

12/22/02 14:08:53	230780.029	64.10000806	52.25000723	5.42E+01	5.47E+01	08:52.6	230780.1	5.47E+01
12/22/02 14:09:53	230820.04	64.11667778	52.26667695	5.41E+01	5.47E+01	09:52.6	230820.1	5.47E+01
12/22/02 14:10:53	230880.013	64.13333694	52.28333611	5.41E+01	5.47E+01	10:52.6	230880.1	5.47E+01
12/22/02 14:11:53	230940.028	64.15000778	52.30000695	5.41E+01	5.47E+01	11:52.6	230940.1	5.47E+01
12/22/02 14:12:53	231000.015	64.16667083	52.31667	5.41E+01	5.47E+01	12:52.6	231000.1	5.47E+01
12/22/02 14:13:53	231060.018	64.18333833	52.3333375	5.41E+01	5.47E+01	13:52.6	231060.1	5.47E+01
12/22/02 14:14:53	231120.008	64.20000222	52.35000139	5.41E+01	5.47E+01	14:52.6	231120.1	5.47E+01
12/22/02 14:15:53	231180.005	64.21666806	52.36666723	5.42E+01	5.48E+01	15:52.6	231180.1	5.48E+01
12/22/02 14:16:53	231240.004	64.23333444	52.38333361	5.42E+01	5.48E+01	16:52.6	231240.1	5.48E+01
12/22/02 14:17:53	231300.013	64.25000361	52.40000278	5.42E+01	5.48E+01	17:52.6	231300.1	5.48E+01
12/22/02 14:18:53	231360.012	64.26667	52.41666917	5.42E+01	5.48E+01	18:52.6	231360.1	5.48E+01
12/22/02 14:19:53	231420.012	64.28333667	52.43333584	5.42E+01	5.48E+01	19:52.6	231420.1	5.48E+01
12/22/02 14:20:53	231480.048	64.30001333	52.4500125	5.42E+01	5.48E+01	20:52.6	231480.1	5.48E+01
12/22/02 14:21:53	231540.003	64.3166675	52.46666667	5.42E+01	5.47E+01	21:52.6	231540.1	5.47E+01
12/22/02 14:22:53	231600.018	64.33333833	52.4833375	5.42E+01	5.47E+01	22:52.6	231600.1	5.47E+01
12/22/02 14:23:53	231660.038	64.35001056	52.50000973	5.42E+01	5.47E+01	23:52.6	231660.1	5.47E+01
12/22/02 14:24:53	231720.023	64.36667306	52.51667223	5.41E+01	5.47E+01	24:52.6	231720.1	5.47E+01
12/22/02 14:25:53	231780.003	64.38333417	52.53333334	5.42E+01	5.47E+01	25:52.6	231780.1	5.47E+01
12/22/02 14:26:53	231840.045	64.4000125	52.55001167	5.42E+01	5.47E+01	26:52.6	231840.1	5.47E+01
12/22/02 14:27:53	231900.032	64.41667556	52.56667473	5.41E+01	5.47E+01	27:52.6	231900.1	5.47E+01
12/22/02 14:28:53	231960.028	64.43334111	52.58334028	5.42E+01	5.47E+01	28:52.6	231960.1	5.47E+01
12/22/02 14:29:53	232020.035	64.45000972	52.60000889	5.42E+01	5.48E+01	29:52.6	232020.1	5.48E+01
12/22/02 14:30:53	232080.026	64.46667389	52.61667306	5.43E+01	5.48E+01	30:52.6	232080.1	5.48E+01
12/22/02 14:31:53	232140.015	64.4833375	52.63333667	5.43E+01	5.48E+01	31:52.6	232140.1	5.48E+01
12/22/02 14:32:53	232200.011	64.50000306	52.65000223	5.43E+01	5.48E+01	32:52.6	232200.1	5.48E+01
12/22/02 14:33:53	232260.01	64.51666944	52.66666861	5.43E+01	5.48E+01	33:52.6	232260.1	5.48E+01
12/22/02 14:34:53	232320.027	64.53334083	52.68334	5.42E+01	5.48E+01	34:52.6	232320.1	5.48E+01
12/22/02 14:35:53	232380.046	64.55001278	52.70001195	5.42E+01	5.47E+01	35:52.6	232380.1	5.47E+01
12/22/02 14:36:53	232440.011	64.56666972	52.71666889	5.42E+01	5.47E+01	36:52.6	232440.1	5.47E+01
12/22/02 14:37:53	232500.026	64.58334056	52.73333973	5.41E+01	5.47E+01	37:52.6	232500.1	5.47E+01
12/22/02 14:38:53	232560.003	64.60000083	52.75	5.42E+01	5.47E+01	38:52.6	232560.1	5.47E+01
12/22/02 14:39:53	232620.003	64.6166675	52.76666667	5.41E+01	5.47E+01	39:52.6	232620.1	5.47E+01
12/22/02 14:40:53	232680.005	64.63333472	52.78333389	5.42E+01	5.47E+01	40:52.6	232680.1	5.47E+01
12/22/02 14:41:53	232740.006	64.65000167	52.80000084	5.42E+01	5.47E+01	41:52.6	232740.1	5.47E+01
12/22/02 14:42:53	232800.003	64.6666675	52.81666667	5.42E+01	5.48E+01	42:52.6	232800.1	5.48E+01
12/22/02 14:43:53	232860.012	64.68333667	52.83333584	5.43E+01	5.48E+01	43:52.6	232860.1	5.48E+01
12/22/02 14:44:53	232920.009	64.7000025	52.85000167	5.43E+01	5.48E+01	44:52.6	232920.1	5.48E+01
12/22/02 14:45:53	232980.003	64.7166675	52.86666667	5.43E+01	5.48E+01	45:52.6	232980.1	5.48E+01
12/22/02 14:46:53	233040.008	64.73333556	52.88333473	5.43E+01				
12/22/02 14:47:53	233100.003	64.75000083	52.9	5.42E+01	5.48E+01	47:52.6	233100.1	5.48E+01
12/22/02 14:48:53	233160.046	64.76667944	52.91667861	5.42E+01	5.47E+01	48:52.6	233160.1	5.47E+01
12/22/02 14:49:53	233220.038	64.78334389	52.93334306	5.42E+01	5.47E+01	49:52.6	233220.1	5.47E+01
12/22/02 14:50:53	233280.035	64.80000972	52.95000889	5.42E+01	5.47E+01	50:52.6	233280.1	5.47E+01
12/22/02 14:51:53	233340.022	64.81667278	52.96667195	5.41E+01	5.47E+01	51:52.6	233340.1	5.47E+01
12/22/02 14:52:53	233400.012	64.83333667	52.98333584	5.41E+01	5.47E+01	52:52.6	233400.1	5.47E+01
12/22/02 14:53:53	233460.047	64.85001306	53.00001223	5.41E+01	5.47E+01	53:52.6	233460.1	5.47E+01
12/22/02 14:54:53	233520.003	64.8666675	53.01666667	5.41E+01	5.47E+01	54:52.6	233520.1	5.47E+01
12/22/02 14:55:53	233580.011	64.88333639	53.03333556	5.42E+01	5.48E+01	55:52.6	233580.1	5.48E+01
12/22/02 14:56:53	233640.011	64.90000306	53.05000223	5.43E+01	5.48E+01	56:52.6	233640.1	5.48E+01
12/22/02 14:57:53	233700.04	64.91667778	53.06667695	5.43E+01	5.48E+01	57:52.6	233700.1	5.48E+01
12/22/02 14:58:53	233760.045	64.93334583	53.083345	5.42E+01	5.48E+01	58:52.6	233760.1	5.48E+01
12/22/02 14:59:53	233820.036	64.95001	53.10000917	5.42E+01	5.48E+01	59:52.6	233820.1	5.48E+01

12/22/02 15:00:53	233880.003	64.9666675	53.1166667	5.42E+01	5.47E+01	00:52.6	233880	5.47E+01
12/22/02 15:01:53	233940.046	64.9833461	53.1333452	5.41E+01	5.47E+01	01:52.6	233940.1	5.47E+01
12/22/02 15:02:53	234000.021	65.0000058	53.150005	5.42E+01	5.47E+01	02:52.6	234000.1	5.47E+01
12/22/02 15:03:53	234060.032	65.01667556	53.16667473	5.41E+01	5.47E+01	03:52.6	234060.1	5.47E+01
12/22/02 15:04:53	234120.007	65.03333528	53.18333445	5.41E+01	5.47E+01	04:52.6	234120	5.47E+01
12/22/02 15:05:53	234180.029	65.05000806	53.20000723	5.41E+01	5.47E+01	05:52.6	234180.1	5.47E+01
12/22/02 15:06:53	234240.004	65.06666778	53.21666695	5.42E+01	5.47E+01	06:52.6	234240	5.47E+01
12/22/02 15:07:53	234300.003	65.08333417	53.23333334	5.43E+01	5.48E+01	07:52.6	234300	5.48E+01
12/22/02 15:08:53	234360.044	65.10001222	53.25001139	5.43E+01	5.48E+01	08:52.6	234360.1	5.48E+01
12/22/02 15:09:53	234420.045	65.11667917	53.26667834	5.42E+01	5.48E+01	09:52.6	234420.1	5.48E+01
12/22/02 15:10:53	234480.019	65.13333861	53.28333778	5.42E+01	5.48E+01	10:52.6	234480.1	5.48E+01
12/22/02 15:11:53	234540.046	65.15001278	53.30001195	5.41E+01	5.47E+01	11:52.6	234540.1	5.47E+01
12/22/02 15:12:53	234600.024	65.16667333	53.3166725	5.42E+01	5.47E+01	12:52.6	234600.1	5.47E+01
12/22/02 15:13:53	234660.038	65.18334389	53.33334306	5.41E+01	5.47E+01	13:52.6	234660.1	5.47E+01
12/22/02 15:14:53	234720.003	65.20000083	53.35	5.41E+01	5.47E+01	14:52.6	234720	5.47E+01
12/22/02 15:15:53	234780.042	65.21667833	53.3666775	5.41E+01	5.47E+01	15:52.6	234780.1	5.47E+01
12/22/02 15:16:53	234840.035	65.23334306	53.38334223	5.41E+01	5.47E+01	16:52.6	234840.1	5.47E+01
12/22/02 15:17:53	234900.006	65.25000167	53.40000084	5.42E+01	5.47E+01	17:52.6	234900	5.47E+01
12/22/02 15:18:53	234960.033	65.26667583	53.416675	5.43E+01	5.48E+01	18:52.6	234960.1	5.48E+01
12/22/02 15:19:53	235020.006	65.283335	53.43333417	5.43E+01	5.48E+01	19:52.6	235020	5.48E+01
12/22/02 15:20:53	235080.017	65.30000472	53.45000389	5.42E+01	5.48E+01	20:52.6	235080.1	5.48E+01
12/22/02 15:21:53	235140.003	65.3166675	53.46666667	5.42E+01	5.48E+01	21:52.6	235140	5.48E+01
12/22/02 15:22:53	235200.003	65.33333417	53.48333334	5.42E+01	5.47E+01	22:52.6	235200	5.47E+01
12/22/02 15:23:53	235260.003	65.35000083	53.5	5.42E+01	5.47E+01	23:52.6	235260	5.47E+01
12/22/02 15:24:53	235320.041	65.36667806	53.51667723	5.41E+01	5.47E+01	24:52.6	235320.1	5.47E+01
12/22/02 15:25:53	235380.046	65.38334611	53.53334528	5.42E+01	5.47E+01	25:52.6	235380.1	5.47E+01
12/22/02 15:26:53	235440.005	65.40000139	53.55000056	5.42E+01	5.47E+01	26:52.6	235440	5.47E+01
12/22/02 15:27:53	235500.003	65.4166675	53.56666667	5.42E+01	5.47E+01	27:52.6	235500	5.47E+01
12/22/02 15:28:53	235560.013	65.43333694	53.58333611	5.42E+01	5.47E+01	28:52.6	235560.1	5.47E+01
12/22/02 15:29:53	235620.006	65.45000167	53.60000084	5.42E+01	5.48E+01	29:52.6	235620	5.48E+01
12/22/02 15:30:53	235680.005	65.46666806	53.61666723	5.43E+01	5.48E+01	30:52.6	235680	5.48E+01
12/22/02 15:31:53	235740.028	65.48334111	53.63334028	5.43E+01	5.48E+01	31:52.6	235740.1	5.48E+01
12/22/02 15:32:53	235800.039	65.50001083	53.65001	5.42E+01	5.48E+01	32:52.6	235800.1	5.48E+01
12/22/02 15:33:53	235860.026	65.51667389	53.66667306	5.42E+01	5.48E+01	33:52.6	235860.1	5.48E+01
12/22/02 15:34:53	235920.016	65.53333778	53.68333695	5.41E+01	5.47E+01	34:52.6	235920.1	5.47E+01
12/22/02 15:35:53	235980.017	65.55000472	53.70000389	5.41E+01	5.47E+01	35:52.6	235980.1	5.47E+01
12/22/02 15:36:53	236040.012	65.56667	53.71666917	5.42E+01	5.47E+01	36:52.6	236040.1	5.47E+01
12/22/02 15:37:53	236100.026	65.58334056	53.73333973	5.42E+01	5.47E+01	37:52.6	236100.1	5.47E+01
12/22/02 15:38:53	236160.045	65.6000125	53.75001167	5.41E+01	5.47E+01	38:52.6	236160.1	5.47E+01
12/22/02 15:39:53	236220.031	65.61667528	53.76667445	5.41E+01	5.47E+01	39:52.6	236220.1	5.47E+01
12/22/02 15:40:53	236280.016	65.63333778	53.78333695	5.42E+01	5.47E+01	40:52.6	236280.1	5.47E+01
12/22/02 15:41:53	236340.041	65.65001139	53.80001056	5.42E+01	5.48E+01	41:52.6	236340.1	5.48E+01
12/22/02 15:42:53	236400.025	65.66667361	53.81667278	5.43E+01	5.48E+01	42:52.6	236400.1	5.48E+01
12/22/02 15:43:53	236460.042	65.683345	53.83334417	5.42E+01	5.48E+01	43:52.6	236460.1	5.48E+01
12/22/02 15:44:53	236520.003	65.70000083	53.85	5.42E+01	5.47E+01	44:52.6	236520	5.47E+01
12/22/02 15:45:53	236580.014	65.71667056	53.86666973	5.42E+01	5.47E+01	45:52.6	236580.1	5.47E+01
12/22/02 15:46:53	236640.017	65.73333806	53.88333723	5.42E+01	5.47E+01	46:52.6	236640.1	5.47E+01
12/22/02 15:47:53	236700.04	65.75001111	53.90001028	5.41E+01	5.47E+01	47:52.6	236700.1	5.47E+01
12/22/02 15:48:53	236760.003	65.7666675	53.91666667	5.41E+01	5.47E+01	48:52.6	236760	5.47E+01
12/22/02 15:49:53	236820.011	65.78333639	53.93333556	5.41E+01	5.47E+01	49:52.6	236820.1	5.47E+01
12/22/02 15:50:53	236880.045	65.8000125	53.95001167	5.41E+01	5.47E+01	50:52.6	236880.1	5.47E+01
12/22/02 15:51:53	236940.003	65.8166675	53.96666667	5.42E+01	5.48E+01	51:52.6	236940	5.48E+01

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12/22/02 15:52:53	237000.045	65.83334583	53.983345	5.42E+01	5.48E+01	52:52.6	237000.1	5.48E+01
12/22/02 15:53:53	237060.037	65.85001028	54.00000945	5.42E+01	5.48E+01	53:52.6	237060.1	5.48E+01
12/22/02 15:54:53	237120.003	65.86666675	54.01666667	5.42E+01	5.47E+01	54:52.6	237120.1	5.47E+01
12/22/02 15:55:53	237180.027	65.88334083	54.03334	5.42E+01	5.47E+01	55:52.6	237180.1	5.47E+01
12/22/02 15:56:53	237240.038	65.90001056	54.05000973	5.41E+01	5.47E+01	56:52.6	237240.1	5.47E+01
12/22/02 15:57:53	237300.013	65.91667028	54.06666945	5.41E+01	5.47E+01	57:52.6	237300.1	5.47E+01
12/22/02 15:58:53	237360.047	65.93334639	54.08334556	5.41E+01	5.47E+01	58:52.6	237360.1	5.47E+01
12/22/02 15:59:53	237420.024	65.95000667	54.10000584	5.41E+01	5.47E+01	59:52.6	237420.1	5.47E+01
12/22/02 16:00:53	237480.003	65.96666675	54.11666667	5.41E+01	5.47E+01	00:52.6	237480.1	5.47E+01
12/22/02 16:01:53	237540.042	65.983345	54.13334417	5.41E+01	5.47E+01	01:52.6	237540.1	5.47E+01
12/22/02 16:02:53	237600.043	66.00001194	54.15001111	5.42E+01	5.48E+01	02:52.6	237600.1	5.48E+01
12/22/02 16:03:53	237660.035	66.01667639	54.16667556	5.42E+01	5.48E+01	03:52.6	237660.1	5.48E+01
12/22/02 16:04:53	237720.028	66.03334111	54.18334028	5.43E+01	5.48E+01	04:52.6	237720.1	5.48E+01
12/22/02 16:05:53	237780.023	66.05000639	54.20000556	5.42E+01	5.47E+01	05:52.6	237780.1	5.47E+01
12/22/02 16:06:53	237840.003	66.06666675	54.21666667	5.42E+01	5.47E+01	06:52.6	237840.1	5.47E+01
12/22/02 16:07:53	237900.044	66.08334556	54.23334473	5.42E+01	5.47E+01	07:52.6	237900.1	5.47E+01
12/22/02 16:08:53	237960.039	66.10001083	54.25001	5.41E+01	5.47E+01	08:52.6	237960.1	5.47E+01
12/22/02 16:09:53	238020.012	66.11667	54.26666917	5.42E+01	5.47E+01	09:52.6	238020.1	5.47E+01
12/22/02 16:10:53	238080.027	66.13334083	54.28334	5.41E+01	5.47E+01	10:52.6	238080.1	5.47E+01
12/22/02 16:11:53	238140.003	66.15000083	54.3	5.41E+01	5.47E+01	11:52.6	238140.1	5.47E+01
12/22/02 16:12:53	238200.003	66.16666675	54.31666667	5.42E+01	5.47E+01	12:52.6	238200.1	5.47E+01
12/22/02 16:13:53	238260.012	66.18333667	54.33333584	5.43E+01	5.48E+01	13:52.6	238260.1	5.48E+01
12/22/02 16:14:53	238320.005	66.20000139	54.35000056	5.42E+01	5.48E+01	14:52.6	238320.1	5.48E+01
12/22/02 16:15:53	238380.008	66.21666889	54.36666806	5.42E+01	5.48E+01	15:52.6	238380.1	5.48E+01
12/22/02 16:16:53	238440.044	66.23334556	54.38334473	5.42E+01	5.47E+01	16:52.6	238440.1	5.47E+01
12/22/02 16:17:53	238500.003	66.25000083	54.4	5.42E+01	5.47E+01	17:52.6	238500.1	5.47E+01
12/22/02 16:18:53	238560.048	66.26668	54.41667917	5.42E+01	5.47E+01	18:52.6	238560.1	5.47E+01
12/22/02 16:19:53	238620.039	66.28334417	54.43334334	5.41E+01	5.47E+01	19:52.6	238620.1	5.47E+01
12/22/02 16:20:53	238680.006	66.30000167	54.45000084	5.41E+01	5.47E+01	20:52.6	238680.1	5.47E+01
12/22/02 16:21:53	238740.042	66.31667833	54.4666775	5.41E+01	5.47E+01	21:52.6	238740.1	5.47E+01
12/22/02 16:22:53	238800.029	66.33334139	54.48334056	5.41E+01	5.47E+01	22:52.6	238800.1	5.47E+01
12/22/02 16:23:53	238860.032	66.35000889	54.50000806	5.41E+01	5.47E+01	23:52.6	238860.1	5.47E+01
12/22/02 16:24:53	238920.024	66.36667333	54.5166725	5.42E+01	5.48E+01	24:52.6	238920.1	5.48E+01
12/22/02 16:25:53	238980.033	66.3833425	54.53334167	5.42E+01	5.48E+01	25:52.6	238980.1	5.48E+01
12/22/02 16:26:53	239040.044	66.40001222	54.55001139	5.42E+01	5.48E+01	26:52.6	239040.1	5.48E+01
12/22/02 16:27:53	239100.003	66.4166675	54.56666667	5.42E+01	5.48E+01	27:52.6	239100.1	5.48E+01
12/22/02 16:28:53	239160.042	66.433345	54.58334417	5.42E+01	5.47E+01	28:52.6	239160.1	5.47E+01
12/22/02 16:29:53	239220.004	66.45000111	54.60000028	5.42E+01	5.47E+01	29:52.6	239220.1	5.47E+01
12/22/02 16:30:53	239280.021	66.4666725	54.61667167	5.42E+01	5.47E+01	30:52.6	239280.1	5.47E+01
12/22/02 16:31:53	239340.007	66.48333528	54.63333445	5.41E+01	5.47E+01	31:52.6	239340.1	5.47E+01
12/22/02 16:32:53	239400.003	66.50000083	54.65	5.41E+01	5.47E+01	32:52.6	239400.1	5.47E+01
12/22/02 16:33:53	239460.011	66.51666972	54.66666889	5.41E+01	5.47E+01	33:52.6	239460.1	5.47E+01
12/22/02 16:34:53	239520.044	66.53334556	54.68334473	5.41E+01	5.47E+01	34:52.6	239520.1	5.47E+01
12/22/02 16:35:53	239580.033	66.55000917	54.70000834	5.41E+01	5.47E+01	35:52.6	239580.1	5.47E+01
12/22/02 16:36:53	239640.032	66.56667556	54.71667473	5.42E+01	5.48E+01	36:52.6	239640.1	5.48E+01
12/22/02 16:37:53	239700.023	66.58333972	54.73333889	5.42E+01	5.48E+01	37:52.6	239700.1	5.48E+01
12/22/02 16:38:53	239760.013	66.60000361	54.75000278	5.42E+01	5.48E+01	38:52.6	239760.1	5.48E+01
12/22/02 16:39:53	239820.003	66.61666675	54.76666667	5.42E+01	5.48E+01	39:52.6	239820.1	5.48E+01
12/22/02 16:40:53	239880.034	66.63334278	54.78334195	5.42E+01	5.47E+01	40:52.6	239880.1	5.47E+01
12/22/02 16:41:53	239940.017	66.65000472	54.80000389	5.42E+01	5.47E+01	41:52.6	239940.1	5.47E+01
12/22/02 16:42:53	240000.043	66.66667861	54.81667778	5.42E+01	5.47E+01	42:52.6	240000.1	5.47E+01
12/22/02 16:43:53	240060.016	66.68333778	54.83333695	5.42E+01	5.47E+01	43:52.6	240060.1	5.47E+01

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12/22/02 16:44:53	240120.035	66.70000972	54.85000889	5.42E+01	5.47E+01	44.52.6	240120.1	5.47E+01
12/22/02 16:45:53	240180.004	66.71666778	54.86666695	5.42E+01	5.47E+01	45.52.6	240180	5.47E+01
12/22/02 16:46:53	240240.009	66.73333583	54.883335	5.41E+01	5.47E+01	46.52.6	240240	5.47E+01
12/22/02 16:47:53	240300.035	66.75000972	54.90000889	5.41E+01	5.47E+01	47.52.6	240300.1	5.47E+01
12/22/02 16:48:53	240360.003	66.7666675	54.91666667	5.42E+01	5.48E+01	48.52.6	240360	5.48E+01
12/22/02 16:49:53	240420.003	66.78333417	54.93333334	5.43E+01	5.48E+01	49.52.6	240420	5.48E+01
12/22/02 16:50:53	240480.026	66.80000722	54.95000639	5.42E+01	5.48E+01	50.52.6	240480.1	5.48E+01
12/22/02 16:51:53	240540.007	66.81666881	54.96666778	5.42E+01	5.48E+01	51.52.6	240540	5.48E+01
12/22/02 16:52:53	240600.033	66.8333425	54.98334167	5.42E+01	5.47E+01	52.52.6	240600.1	5.47E+01
12/22/02 16:53:53	240660.003	66.85000083	55	5.42E+01	5.47E+01	53.52.6	240660	5.47E+01
12/22/02 16:54:53	240720.006	66.86666833	55.0166675	5.42E+01	5.47E+01	54.52.6	240720	5.47E+01
12/22/02 16:55:53	240780.044	66.88334556	55.03334473	5.41E+01	5.47E+01	55.52.6	240780.1	5.47E+01
12/22/02 16:56:53	240840.018	66.9000005	55.05000417	5.41E+01	5.47E+01	56.52.6	240840.1	5.47E+01
12/22/02 16:57:53	240900.039	66.9166775	55.06667667	5.41E+01	5.47E+01	57.52.6	240900.1	5.47E+01
12/22/02 16:58:53	240960.02	66.93333889	55.08333806	5.41E+01	5.47E+01	58.52.6	240960.1	5.47E+01
12/22/02 16:59:53	241020.003	66.95000083	55.1	5.42E+01	5.47E+01	59.52.6	241020	5.47E+01
12/22/02 17:00:53	241080.016	66.96667111	55.11667028	5.42E+01	5.48E+01	00.52.6	241080.1	5.48E+01
12/22/02 17:01:53	241140.03	66.98334167	55.13334084	5.42E+01	5.48E+01	01.52.6	241140.1	5.48E+01
12/22/02 17:02:53	241200.024	67.00000667	55.15000584	5.42E+01	5.48E+01	02.52.6	241200.1	5.48E+01
12/22/02 17:03:53	241260.015	67.01667083	55.16667	5.42E+01	5.48E+01	03.52.6	241260.1	5.48E+01
12/22/02 17:04:53	241320.01	67.03333611	55.18333528	5.42E+01	5.47E+01	04.52.6	241320	5.47E+01
12/22/02 17:05:53	241380.017	67.05000472	55.20000389	5.41E+01	5.47E+01	05.52.6	241380.1	5.47E+01
12/22/02 17:06:53	241440.011	67.06666972	55.21666889	5.41E+01	5.47E+01	06.52.6	241440.1	5.47E+01
12/22/02 17:07:53	241500.006	67.083335	55.23333417	5.42E+01	5.47E+01	07.52.6	241500	5.47E+01
12/22/02 17:08:53	241560.003	67.10000083	55.25	5.41E+01	5.47E+01	08.52.6	241560	5.47E+01
12/22/02 17:09:53	241620.004	67.11666778	55.26666695	5.42E+01	5.47E+01	09.52.6	241620	5.47E+01
12/22/02 17:10:53	241680.032	67.13334222	55.28334139	5.42E+01	5.47E+01	10.52.6	241680.1	5.47E+01
12/22/02 17:11:53	241740.029	67.15000806	55.30000723	5.41E+01	5.47E+01	11.52.6	241740.1	5.47E+01
12/22/02 17:12:53	241800.032	67.16667556	55.31667473	5.41E+01	5.47E+01	12.52.6	241800.1	5.47E+01
12/22/02 17:13:53	241860.038	67.18334389	55.33334306	5.42E+01	5.48E+01	13.52.6	241860.1	5.48E+01
12/22/02 17:14:53	241920.029	67.20000806	55.35000723	5.42E+01	5.48E+01	14.52.6	241920.1	5.48E+01
12/22/02 17:15:53	241980.036	67.21667667	55.36667584	5.43E+01	5.48E+01	15.52.6	241980.1	5.48E+01
12/22/02 17:16:53	242040.018	67.23333833	55.3833375	5.42E+01	5.48E+01	16.52.6	242040.1	5.48E+01
12/22/02 17:17:53	242100.009	67.2500025	55.40000167	5.42E+01	5.47E+01	17.52.6	242100	5.47E+01
12/22/02 17:18:53	242160.01	67.26666944	55.41666861	5.41E+01	5.47E+01	18.52.6	242160.1	5.47E+01
12/22/02 17:19:53	242220.011	67.28333639	55.43333556	5.41E+01	5.47E+01	19.52.6	242220.1	5.47E+01
12/22/02 17:20:53	242280.015	67.30000417	55.45000334	5.41E+01	5.47E+01	20.52.6	242280.1	5.47E+01
12/22/02 17:21:53	242340.014	67.31667056	55.46666973	5.41E+01	5.47E+01	21.52.6	242340.1	5.47E+01
12/22/02 17:22:53	242400.015	67.3333375	55.48333667	5.41E+01	5.47E+01	22.52.6	242400.1	5.47E+01
12/22/02 17:23:53	242460.016	67.35000444	55.50000361	5.41E+01	5.47E+01	23.52.6	242460.1	5.47E+01
12/22/02 17:24:53	242520.041	67.36667806	55.51667723	5.41E+01	5.47E+01	24.52.6	242520.1	5.47E+01
12/22/02 17:25:53	242580.016	67.38333778	55.53333695	5.42E+01	5.47E+01	25.52.6	242580.1	5.47E+01
12/22/02 17:26:53	242640.033	67.40000917	55.55000834	5.42E+01	5.48E+01	26.52.6	242640.1	5.48E+01
12/22/02 17:27:53	242700.011	67.41666972	55.56666889	5.43E+01	5.48E+01	27.52.6	242700.1	5.48E+01
12/22/02 17:28:53	242760.04	67.43334444	55.58334361	5.42E+01	5.48E+01	28.52.6	242760.1	5.48E+01
12/22/02 17:29:53	242820.003	67.45000083	55.6	5.42E+01	5.47E+01	29.52.6	242820	5.47E+01
12/22/02 17:30:53	242880.014	67.46667056	55.61666973	5.42E+01	5.47E+01	30.52.6	242880.1	5.47E+01
12/22/02 17:31:53	242940.018	67.48333833	55.6333375	5.42E+01	5.47E+01	31.52.6	242940.1	5.47E+01
12/22/02 17:32:53	243000.042	67.50001167	55.65001084	5.42E+01	5.47E+01	32.52.6	243000.1	5.47E+01
12/22/02 17:33:53	243060.009	67.51666917	55.66666834	5.42E+01	5.47E+01	33.52.6	243060	5.47E+01
12/22/02 17:34:53	243120.041	67.53334472	55.68334389	5.42E+01	5.47E+01	34.52.6	243120.1	5.47E+01
12/22/02 17:35:53	243180.012	67.55000333	55.7000025	5.42E+01	5.47E+01	35.52.6	243180.1	5.47E+01

12/22/02 17:36:53	243240.033	67.56667563	55.716675	5.42E+01	5.47E+01	36:52.6	243240.1	5.47E+01
12/22/02 17:37:53	243300.011	67.58333639	55.73333556	5.42E+01	5.47E+01	37:52.6	243300.1	5.47E+01
12/22/02 17:38:53	243360.024	67.60000667	55.75000584	5.42E+01	5.47E+01	38:52.6	243360.1	5.47E+01
12/22/02 17:39:53	243420.039	67.61667775	55.76667667	5.42E+01	5.48E+01	39:52.6	243420.1	5.48E+01
12/22/02 17:40:53	243480.017	67.63333806	55.78333723	5.43E+01	5.48E+01	40:52.6	243480.1	5.48E+01
12/22/02 17:41:53	243540.005	67.65000139	55.80000066	5.42E+01	5.48E+01	41:52.6	243540.1	5.48E+01
12/22/02 17:42:53	243600.046	67.66667944	55.81667861	5.42E+01	5.48E+01	42:52.6	243600.1	5.48E+01
12/22/02 17:43:53	243660.003	67.68333417	55.83333334	5.42E+01	5.47E+01	43:52.6	243660.1	5.47E+01
12/22/02 17:44:53	243720.039	67.70001083	55.85001	5.42E+01	5.47E+01	44:52.6	243720.1	5.47E+01
12/22/02 17:45:53	243780.038	67.71667722	55.86667639	5.42E+01	5.47E+01	45:52.6	243780.1	5.47E+01
12/22/02 17:46:53	243840.016	67.73333778	55.88333695	5.42E+01	5.47E+01	46:52.6	243840.1	5.47E+01
12/22/02 17:47:53	243900.003	67.75000083	55.9	5.42E+01	5.47E+01	47:52.6	243900.1	5.47E+01
12/22/02 17:48:53	243960.026	67.76667389	55.91667306	5.42E+01	5.47E+01	48:52.6	243960.1	5.47E+01
12/22/02 17:49:53	244020.047	67.78334639	55.93334556	5.42E+01	5.47E+01	49:52.6	244020.1	5.47E+01
12/22/02 17:50:53	244080.018	67.8000005	55.95000417	5.41E+01	5.47E+01	50:52.6	244080.1	5.47E+01
12/22/02 17:51:53	244140.018	67.81667167	55.96667084	5.42E+01	5.47E+01	51:52.6	244140.1	5.47E+01
12/22/02 17:52:53	244200.042	67.8333345	55.98334417	5.42E+01	5.48E+01	52:52.6	244200.1	5.48E+01
12/22/02 17:53:53	244260.026	67.85000722	56.00000639	5.42E+01	5.48E+01	53:52.6	244260.1	5.48E+01
12/22/02 17:54:53	244320.045	67.86667917	56.01667834	5.43E+01	5.48E+01	54:52.6	244320.1	5.48E+01
12/22/02 17:55:53	244380.014	67.88333722	56.03333639	5.43E+01	5.48E+01	55:52.6	244380.1	5.48E+01
12/22/02 17:56:53	244440.037	67.90001028	56.05000945	5.42E+01	5.47E+01	56:52.6	244440.1	5.47E+01
12/22/02 17:57:53	244500.007	67.91668861	56.06667778	5.42E+01	5.47E+01	57:52.6	244500.1	5.47E+01
12/22/02 17:58:53	244560.022	67.93333944	56.08333861	5.41E+01	5.47E+01	58:52.6	244560.1	5.47E+01
12/22/02 17:59:53	244620.015	67.95000417	56.10000334	5.41E+01	5.47E+01	59:52.6	244620.1	5.47E+01
12/22/02 18:00:53	244680.032	67.96667556	56.11667473	5.41E+01	5.47E+01	00:52.6	244680.1	5.47E+01
12/22/02 18:01:53	244740.003	67.98333417	56.13333334	5.42E+01	5.47E+01	01:52.6	244740.1	5.47E+01
12/22/02 18:02:53	244800.048	68.00001333	56.1500125	5.41E+01	5.47E+01	02:52.6	244800.1	5.47E+01
12/22/02 18:03:53	244860.003	68.0166675	56.16666667	5.41E+01	5.47E+01	03:52.6	244860.1	5.47E+01
12/22/02 18:04:53	244920.003	68.03333417	56.18333334	5.41E+01	5.47E+01	04:52.6	244920.1	5.47E+01
12/22/02 18:05:53	244980.005	68.05000139	56.20000056	5.41E+01	5.47E+01	05:52.6	244980.1	5.47E+01
12/22/02 18:06:53	245040.003	68.0666675	56.21666667	5.41E+01	5.47E+01	06:52.6	245040.1	5.47E+01
12/22/02 18:07:53	245100.042	68.0833345	56.23334417	5.42E+01	5.48E+01	07:52.6	245100.1	5.48E+01
12/22/02 18:08:53	245160.039	68.10001083	56.25001	5.42E+01	5.48E+01	08:52.6	245160.1	5.48E+01
12/22/02 18:09:53	245220.029	68.11667472	56.26667389	5.42E+01	5.48E+01	09:52.6	245220.1	5.48E+01
12/22/02 18:10:53	245280.012	68.13333667	56.28333584	5.42E+01	5.48E+01	10:52.6	245280.1	5.48E+01
12/22/02 18:11:53	245340.037	68.15001028	56.30000945	5.42E+01	5.48E+01	11:52.6	245340.1	5.48E+01
12/22/02 18:12:53	245400.026	68.16667444	56.31667361	5.42E+01	5.47E+01	12:52.6	245400.1	5.47E+01
12/22/02 18:13:53	245460.012	68.18333667	56.33333584	5.42E+01	5.47E+01	13:52.6	245460.1	5.47E+01
12/22/02 18:14:53	245520.003	68.20000083	56.35	5.41E+01	5.47E+01	14:52.6	245520.1	5.47E+01
12/22/02 18:15:53	245580.04	68.21667778	56.36667695	5.42E+01	5.47E+01	15:52.6	245580.1	5.47E+01
12/22/02 18:16:53	245640.039	68.23334417	56.38334334	5.42E+01	5.47E+01	16:52.6	245640.1	5.47E+01
12/22/02 18:17:53	245700.045	68.2500125	56.40001167	5.41E+01	5.47E+01	17:52.6	245700.1	5.47E+01
12/22/02 18:18:53	245760.042	68.26667833	56.4166775	5.41E+01	5.47E+01	18:52.6	245760.1	5.47E+01
12/22/02 18:19:53	245820.026	68.28334056	56.43333973	5.41E+01	5.47E+01	19:52.6	245820.1	5.47E+01
12/22/02 18:20:53	245880.034	68.30000944	56.45000861	5.41E+01	5.47E+01	20:52.6	245880.1	5.47E+01
12/22/02 18:21:53	245940.034	68.31667611	56.46667528	5.41E+01	5.47E+01	21:52.6	245940.1	5.47E+01
12/22/02 18:22:53	246000.033	68.3333425	56.48334167	5.41E+01	5.47E+01	22:52.6	246000.1	5.47E+01
12/22/02 18:23:53	246060.024	68.35000667	56.50000584	5.41E+01	5.47E+01	23:52.6	246060.1	5.47E+01
12/22/02 18:24:53	246120.029	68.36667472	56.51667389	5.42E+01	5.47E+01	24:52.6	246120.1	5.47E+01
12/22/02 18:25:53	246180.03	68.38334167	56.53334084	5.42E+01	5.47E+01	25:52.6	246180.1	5.47E+01
12/22/02 18:26:53	246240.026	68.40000722	56.55000639	5.42E+01	5.47E+01	26:52.6	246240.1	5.47E+01
12/22/02 18:27:53	246300.027	68.41667417	56.56667334	5.42E+01	5.48E+01	27:52.6	246300.1	5.48E+01

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12/22/02 18:28:53	246360.012	68.43333667	56.58333584	5.43E+01	5.48E+01	28:52.6	246360.1	5.48E+01
12/22/02 18:29:53	246420.022	68.45000611	56.60000528	5.42E+01	5.48E+01	29:52.6	246420.1	5.48E+01
12/22/02 18:30:53	246480.013	68.46667028	56.61666945	5.43E+01	5.48E+01	30:52.6	246480.1	5.48E+01
12/22/02 18:31:53	246540.003	68.48333417	56.63333334	5.42E+01	5.48E+01	31:52.6	246540.1	5.48E+01
12/22/02 18:32:53	246600.046	68.50001278	56.65001195	5.42E+01	5.48E+01	32:52.6	246600.1	5.48E+01
12/22/02 18:33:53	246660.041	68.51667806	56.66667723	5.42E+01	5.48E+01	33:52.6	246660.1	5.48E+01
12/22/02 18:34:53	246720.036	68.53334333	56.6833425	5.42E+01	5.47E+01	34:52.6	246720.1	5.47E+01
12/22/02 18:35:53	246780.03	68.55000833	56.7000075	5.42E+01	5.47E+01	35:52.6	246780.1	5.47E+01
12/22/02 18:36:53	246840.017	68.56667139	56.71667056	5.42E+01	5.47E+01	36:52.6	246840.1	5.47E+01
12/22/02 18:37:53	246900.009	68.58333583	56.7333335	5.41E+01	5.47E+01	37:52.6	246900.1	5.47E+01
12/22/02 18:38:53	246960.012	68.60000333	56.75000225	5.42E+01	5.47E+01	38:52.6	246960.1	5.47E+01
12/22/02 18:39:53	247020.007	68.61666861	56.76666778	5.41E+01	5.47E+01	39:52.6	247020.1	5.47E+01
12/22/02 18:40:53	247080.014	68.63333722	56.78333639	5.41E+01	5.47E+01	40:52.6	247080.1	5.47E+01
12/22/02 18:41:53	247140.003	68.65000083	56.8	5.42E+01	5.47E+01	41:52.6	247140.1	5.47E+01
12/22/02 18:42:53	247200.009	68.66666917	56.81666834	5.41E+01	5.47E+01	42:52.6	247200.1	5.47E+01
12/22/02 18:43:53	247260.007	68.68333528	56.83333445	5.41E+01	5.47E+01	43:52.6	247260.1	5.47E+01
12/22/02 18:44:53	247320.006	68.70000167	56.85000084	5.41E+01	5.47E+01	44:52.6	247320.1	5.47E+01
12/22/02 18:45:53	247380.019	68.71667194	56.86667111	5.41E+01	5.47E+01	45:52.6	247380.1	5.47E+01
12/22/02 18:46:53	247440.018	68.73333833	56.88333375	5.41E+01	5.47E+01	46:52.6	247440.1	5.47E+01
12/22/02 18:47:53	247500.013	68.75000361	56.90000278	5.41E+01	5.47E+01	47:52.6	247500.1	5.47E+01
12/22/02 18:48:53	247560.019	68.76667194	56.91667111	5.41E+01	5.47E+01	48:52.6	247560.1	5.47E+01
12/22/02 18:49:53	247620.018	68.78333833	56.93333375	5.42E+01	5.47E+01	49:52.6	247620.1	5.47E+01
12/22/02 18:50:53	247680.029	68.80000806	56.95000723	5.41E+01	5.47E+01	50:52.6	247680.1	5.47E+01
12/22/02 18:51:53	247740.024	68.81667333	56.9666725	5.41E+01	5.47E+01	51:52.6	247740.1	5.47E+01
12/22/02 18:52:53	247800.009	68.83333583	56.9833335	5.41E+01	5.47E+01	52:52.6	247800.1	5.47E+01
12/22/02 18:53:53	247860.005	68.85000139	57.00000066	5.41E+01	5.47E+01	53:52.6	247860.1	5.47E+01
12/22/02 18:54:53	247920.012	68.866667	57.01666917	5.41E+01	5.47E+01	54:52.6	247920.1	5.47E+01
12/22/02 18:55:53	247980.015	68.88333375	57.03333667	5.41E+01	5.47E+01	55:52.6	247980.1	5.47E+01
12/22/02 18:56:53	248040.047	68.90001306	57.05001223	5.41E+01	5.47E+01	56:52.6	248040.1	5.47E+01
12/22/02 18:57:53	248100.007	68.91666861	57.06666778	5.42E+01	5.47E+01	57:52.6	248100.1	5.47E+01
12/22/02 18:58:53	248160.045	68.93334583	57.0833345	5.41E+01	5.47E+01	58:52.6	248160.1	5.47E+01
12/22/02 18:59:53	248220.033	68.95000917	57.10000834	5.41E+01	5.47E+01	59:52.6	248220.1	5.47E+01
12/22/02 19:00:53	248280.03	68.9666675	57.11667417	5.41E+01	5.47E+01	00:52.6	248280.1	5.47E+01
12/22/02 19:01:53	248340.028	68.98334111	57.13334028	5.41E+01	5.47E+01	01:52.6	248340.1	5.47E+01
12/22/02 19:02:53	248400.031	69.00000861	57.15000778	5.42E+01	5.47E+01	02:52.6	248400.1	5.47E+01
12/22/02 19:03:53	248460.023	69.01667306	57.16667223	5.41E+01	5.47E+01	03:52.6	248460.1	5.47E+01
12/22/02 19:04:53	248520.026	69.03334056	57.18333973	5.42E+01	5.48E+01	04:52.6	248520.1	5.48E+01
12/22/02 19:05:53	248580.025	69.05000694	57.20000611	5.42E+01	5.48E+01	05:52.6	248580.1	5.48E+01
12/22/02 19:06:53	248640.028	69.06667444	57.21667361	5.42E+01	5.48E+01	06:52.6	248640.1	5.48E+01
12/22/02 19:07:53	248700.015	69.08333375	57.23333667	5.43E+01	5.48E+01	07:52.6	248700.1	5.48E+01
12/22/02 19:08:53	248760.015	69.10000417	57.25000334	5.42E+01	5.48E+01	08:52.6	248760.1	5.48E+01
12/22/02 19:09:53	248820.01	69.11666944	57.26666861	5.42E+01	5.48E+01	09:52.6	248820.1	5.48E+01
12/22/02 19:10:53	248880.013	69.13333694	57.28333611	5.42E+01	5.48E+01	10:52.6	248880.1	5.48E+01
12/22/02 19:11:53	248940.008	69.15000222	57.30000139	5.43E+01	5.48E+01	11:52.6	248940.1	5.48E+01
12/22/02 19:12:53	249000.019	69.16667194	57.31667111	5.43E+01	5.48E+01	12:52.6	249000.1	5.48E+01
12/22/02 19:13:53	249060.034	69.18334278	57.33334195	5.42E+01	5.48E+01	13:52.6	249060.1	5.48E+01
12/22/02 19:14:53	249120.028	69.20000778	57.35000695	5.42E+01	5.48E+01	14:52.6	249120.1	5.48E+01
12/22/02 19:15:53	249180.017	69.21667139	57.36667056	5.42E+01	5.47E+01	15:52.6	249180.1	5.47E+01
12/22/02 19:16:53	249240.012	69.23333667	57.38333584	5.42E+01	5.47E+01	16:52.6	249240.1	5.47E+01
12/22/02 19:17:53	249300.004	69.25000111	57.40000028	5.42E+01	5.47E+01	17:52.6	249300.1	5.47E+01
12/22/02 19:18:53	249360.041	69.26667806	57.41667723	5.42E+01	5.47E+01	18:52.6	249360.1	5.47E+01
12/22/02 19:19:53	249420.042	69.283345	57.43334417	5.41E+01	5.47E+01	19:52.6	249420.1	5.47E+01

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12/22/02 19:20:53	249480.034	69.30000944	57.45000861	5.41E+01	5.47E+01	20:52.6	249480.1	5.47E+01
12/22/02 19:21:53	249540.023	69.31667306	57.49667223	5.42E+01	5.47E+01	21:52.6	249540.1	5.47E+01
12/22/02 19:22:53	249600.022	69.33333944	57.48333861	5.42E+01	5.47E+01	22:52.6	249600.1	5.47E+01
12/22/02 19:23:53	249660.039	69.35001083	57.50001	5.42E+01	5.47E+01	23:52.6	249660.1	5.47E+01
12/22/02 19:24:53	249720.038	69.36667722	57.51667639	5.42E+01	5.47E+01	24:52.6	249720.1	5.47E+01
12/22/02 19:25:53	249780.024	69.38334	57.53333917	5.42E+01	5.47E+01	25:52.6	249780.1	5.47E+01
12/22/02 19:26:53	249840.031	69.40000861	57.55000778	5.41E+01	5.47E+01	26:52.6	249840.1	5.47E+01
12/22/02 19:27:53	249900.034	69.41667611	57.56667528	5.42E+01	5.47E+01	27:52.6	249900.1	5.47E+01
12/22/02 19:28:53	249960.037	69.43334361	57.58334278	5.42E+01	5.47E+01	28:52.6	249960.1	5.47E+01
12/22/02 19:29:53	250020.02	69.45000556	57.60000473	5.42E+01	5.47E+01	29:52.6	250020.1	5.47E+01
12/22/02 19:30:53	250080.025	69.46667361	57.61667278	5.42E+01	5.47E+01	30:52.6	250080.1	5.47E+01
12/22/02 19:31:53	250140.022	69.48333944	57.63333861	5.42E+01	5.47E+01	31:52.6	250140.1	5.47E+01
12/22/02 19:32:53	250200.008	69.50000222	57.65000139	5.41E+01	5.47E+01	32:52.6	250200.1	5.47E+01
12/22/02 19:33:53	250260.024	69.51667333	57.6666725	5.41E+01	5.47E+01	33:52.6	250260.1	5.47E+01
12/22/02 19:34:53	250320.03	69.53334167	57.68334084	5.41E+01	5.47E+01	34:52.6	250320.1	5.47E+01
12/22/02 19:35:53	250380.027	69.5500075	57.70000667	5.41E+01	5.47E+01	35:52.6	250380.1	5.47E+01
12/22/02 19:36:53	250440.02	69.56667222	57.71667139	5.41E+01	5.47E+01	36:52.6	250440.1	5.47E+01
12/22/02 19:37:53	250500.023	69.58333972	57.73333889	5.41E+01	5.47E+01	37:52.6	250500.1	5.47E+01
12/22/02 19:38:53	250560.022	69.60000611	57.75000528	5.41E+01	5.47E+01	38:52.6	250560.1	5.47E+01
12/22/02 19:39:53	250620.01	69.61666944	57.76666861	5.41E+01	5.47E+01	39:52.6	250620.1	5.47E+01
12/22/02 19:40:53	250680.003	69.63333417	57.78333334	5.41E+01	5.47E+01	40:52.6	250680.1	5.47E+01
12/22/02 19:41:53	250740.019	69.65000528	57.80000445	5.42E+01	5.47E+01	41:52.6	250740.1	5.47E+01
12/22/02 19:42:53	250800.008	69.66666889	57.81666806	5.42E+01	5.47E+01	42:52.6	250800.1	5.47E+01
12/22/02 19:43:53	250860.011	69.68333639	57.83333556	5.42E+01	5.47E+01	43:52.6	250860.1	5.47E+01
12/22/02 19:44:53	250920.016	69.70000444	57.85000361	5.41E+01	5.47E+01	44:52.6	250920.1	5.47E+01
12/22/02 19:45:53	250980.003	69.71666675	57.86666667	5.42E+01	5.47E+01	45:52.6	250980.1	5.47E+01
12/22/02 19:46:53	251040.003	69.73333417	57.88333334	5.41E+01	5.47E+01	46:52.6	251040.1	5.47E+01
12/22/02 19:47:53	251100.036	69.75001	57.90000917	5.42E+01	5.47E+01	47:52.6	251100.1	5.47E+01
12/22/02 19:48:53	251160.024	69.76667333	57.9166725	5.41E+01	5.47E+01	48:52.6	251160.1	5.47E+01
12/22/02 19:49:53	251220.017	69.78333806	57.93333723	5.41E+01	5.47E+01	49:52.6	251220.1	5.47E+01
12/22/02 19:50:53	251280.012	69.80000333	57.9500025	5.41E+01	5.47E+01	50:52.6	251280.1	5.47E+01
12/22/02 19:51:53	251340.016	69.81667111	57.96667028	5.41E+01	5.47E+01	51:52.6	251340.1	5.47E+01
12/22/02 19:52:53	251400.011	69.83333639	57.98333556	5.42E+01	5.47E+01	52:52.6	251400.1	5.47E+01
12/22/02 19:53:53	251460.02	69.85000556	58.00000473	5.41E+01	5.47E+01	53:52.6	251460.1	5.47E+01
12/22/02 19:54:53	251520.003	69.86666675	58.01666667	5.42E+01	5.47E+01	54:52.6	251520.1	5.47E+01
12/22/02 19:55:53	251580.038	69.88334389	58.03334306	5.42E+01	5.47E+01	55:52.6	251580.1	5.47E+01
12/22/02 19:56:53	251640.003	69.90000083	58.05	5.42E+01	5.47E+01	56:52.6	251640.1	5.47E+01
12/22/02 19:57:53	251700.044	69.91667889	58.06667806	5.42E+01	5.47E+01	57:52.6	251700.1	5.47E+01
12/22/02 19:58:53	251760.005	69.93333472	58.08333389	5.42E+01	5.47E+01	58:52.6	251760.1	5.47E+01
12/22/02 19:59:53	251820.045	69.9500125	58.10001167	5.42E+01	5.47E+01	59:52.6	251820.1	5.47E+01
12/22/02 20:00:53	251880.024	69.96667333	58.1166725	5.42E+01	5.47E+01	00:52.6	251880.1	5.47E+01
12/22/02 20:01:53	251940.02	69.98333889	58.13333806	5.42E+01	5.47E+01	01:52.6	251940.1	5.47E+01
12/22/02 20:02:53	252000.015	70.00000417	58.15000334	5.42E+01	5.47E+01	02:52.6	252000.1	5.47E+01
12/22/02 20:03:53	252060.004	70.01666778	58.16666695	5.42E+01	5.47E+01	03:52.6	252060.1	5.47E+01
12/22/02 20:04:53	252120.006	70.03333556	58.18333473	5.42E+01	5.47E+01	04:52.6	252120.1	5.47E+01
12/22/02 20:05:53	252180.009	70.0500025	58.20000167	5.42E+01	5.47E+01	05:52.6	252180.1	5.47E+01
12/22/02 20:06:53	252240.008	70.06666889	58.21666806	5.42E+01	5.47E+01	06:52.6	252240.1	5.47E+01
12/22/02 20:07:53	252300.007	70.08333528	58.23333445	5.42E+01	5.47E+01	07:52.6	252300.1	5.47E+01
12/22/02 20:08:53	252360.003	70.10000083	58.25	5.42E+01	5.47E+01	08:52.6	252360.1	5.47E+01
12/22/02 20:09:53	252420.022	70.11667278	58.26667195	5.42E+01	5.47E+01	09:52.6	252420.1	5.47E+01
12/22/02 20:10:53	252480.037	70.13334361	58.28334278	5.42E+01	5.47E+01	10:52.6	252480.1	5.47E+01
12/22/02 20:11:53	252540.003	70.15000083	58.3	5.42E+01	5.47E+01	11:52.6	252540.1	5.47E+01

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12/22/02 20:12:53	252600.025	70.16667361	58.31667278	5.42E+01	5.47E+01	12:52.6	252600.1	5.47E+01
12/22/02 20:13:53	252660.036	70.18334333	58.3333425	5.42E+01	5.47E+01	13:52.6	252660.1	5.47E+01
12/22/02 20:14:53	252720.023	70.20000639	58.35000556	5.42E+01	5.47E+01	14:52.6	252720.1	5.47E+01
12/22/02 20:15:53	252780.027	70.21667417	58.36667334	5.42E+01	5.47E+01	15:52.6	252780.1	5.47E+01
12/22/02 20:16:53	252840.031	70.23334194	58.38334111	5.42E+01	5.47E+01	16:52.6	252840.1	5.47E+01
12/22/02 20:17:53	252900.003	70.25000083	58.4	5.42E+01	5.47E+01	17:52.6	252900	5.47E+01
12/22/02 20:18:53	252960.029	70.26667472	58.41667389	5.42E+01	5.47E+01	18:52.6	252960.1	5.47E+01
12/22/02 20:19:53	253020.012	70.28333667	58.43333584	5.42E+01	5.47E+01	19:52.6	253020.1	5.47E+01
12/22/02 20:20:53	253080.037	70.30001028	58.45000945	5.42E+01	5.47E+01	20:52.6	253080.1	5.47E+01
12/22/02 20:21:53	253140.004	70.31666778	58.46666695	5.41E+01	5.47E+01	21:52.6	253140	5.47E+01
12/22/02 20:22:53	253200.015	70.3333375	58.48333667	5.42E+01	5.47E+01	22:52.6	253200.1	5.47E+01
12/22/02 20:23:53	253260.038	70.35001056	58.50000973	5.42E+01	5.47E+01	23:52.6	253260.1	5.47E+01
12/22/02 20:24:53	253320.041	70.36667806	58.51667723	5.42E+01	5.47E+01	24:52.6	253320.1	5.47E+01
12/22/02 20:25:53	253380.009	70.38333583	58.533335	5.41E+01	5.47E+01	25:52.6	253380	5.47E+01
12/22/02 20:26:53	253440.007	70.40000194	58.55000111	5.42E+01	5.47E+01	26:52.6	253440	5.47E+01
12/22/02 20:27:53	253500.022	70.41667278	58.56667195	5.42E+01	5.47E+01	27:52.6	253500.1	5.47E+01
12/22/02 20:28:53	253560.029	70.43334139	58.58334056	5.42E+01	5.47E+01	28:52.6	253560.1	5.47E+01
12/22/02 20:29:53	253620.04	70.45001111	58.60001028	5.42E+01	5.47E+01	29:52.6	253620.1	5.47E+01
12/22/02 20:30:53	253680.037	70.46667694	58.61667611	5.41E+01	5.47E+01	30:52.6	253680.1	5.47E+01
12/22/02 20:31:53	253740.034	70.48334278	58.63334195	5.42E+01	5.47E+01	31:52.6	253740.1	5.47E+01
12/22/02 20:32:53	253800.029	70.50000806	58.65000723	5.42E+01	5.47E+01	32:52.6	253800.1	5.47E+01
12/22/02 20:33:53	253860.036	70.51667667	58.66667584	5.42E+01	5.47E+01	33:52.6	253860.1	5.47E+01
12/22/02 20:34:53	253920.04	70.53334444	58.68334361	5.42E+01	5.47E+01	34:52.6	253920.1	5.47E+01
12/22/02 20:35:53	253980.037	70.55001028	58.70000945	5.43E+01	5.48E+01	35:52.6	253980.1	5.48E+01
12/22/02 20:36:53	254040.042	70.56667833	58.7166775	5.43E+01	5.48E+01	36:52.6	254040.1	5.48E+01
12/22/02 20:37:53	254100.027	70.58334083	58.73334	5.43E+01	5.48E+01	37:52.6	254100.1	5.48E+01
12/22/02 20:38:53	254160.015	70.60000417	58.75000334	5.42E+01	5.47E+01	38:52.6	254160.1	5.47E+01
12/22/02 20:39:53	254220.014	70.61667056	58.76666973	5.42E+01	5.48E+01	39:52.6	254220.1	5.48E+01
12/22/02 20:40:53	254280.029	70.63334139	58.78334056	5.42E+01	5.47E+01	40:52.6	254280.1	5.47E+01
12/22/02 20:41:53	254340.034	70.65000944	58.80000861	5.42E+01	5.47E+01	41:52.6	254340.1	5.47E+01
12/22/02 20:42:53	254400.032	70.66667556	58.81667473	5.42E+01	5.47E+01	42:52.6	254400.1	5.47E+01
12/22/02 20:43:53	254460.027	70.68334083	58.83334	5.41E+01	5.47E+01	43:52.6	254460.1	5.47E+01
12/22/02 20:44:53	254520.008	70.70000222	58.85000139	5.42E+01	5.47E+01	44:52.6	254520	5.47E+01
12/22/02 20:45:53	254580.04	70.71667778	58.86667695	5.42E+01	5.47E+01	45:52.6	254580.1	5.47E+01
12/22/02 20:46:53	254640.047	70.73334639	58.88334556	5.41E+01	5.47E+01	46:52.6	254640.1	5.47E+01
12/22/02 20:47:53	254700.023	70.75000639	58.90000556	5.41E+01	5.47E+01	47:52.6	254700.1	5.47E+01
12/22/02 20:48:53	254760.046	70.76667944	58.91667861	5.42E+01	5.47E+01	48:52.6	254760.1	5.47E+01
12/22/02 20:49:53	254820.01	70.78333811	58.93333528	5.42E+01	5.47E+01	49:52.6	254820	5.47E+01
12/22/02 20:50:53	254880.039	70.80001083	58.95001	5.42E+01	5.47E+01	50:52.6	254880.1	5.47E+01
12/22/02 20:51:53	254940.008	70.81666889	58.96666806	5.42E+01	5.47E+01	51:52.6	254940	5.47E+01
12/22/02 20:52:53	255000.025	70.83334028	58.98333945	5.41E+01	5.47E+01	52:52.6	255000.1	5.47E+01
12/22/02 20:53:53	255060.016	70.85000444	59.00000361	5.42E+01	5.47E+01	53:52.6	255060.1	5.47E+01
12/22/02 20:54:53	255120.01	70.86666944	59.01666861	5.42E+01	5.47E+01	54:52.6	255120.1	5.47E+01
12/22/02 20:55:53	255180.013	70.88333694	59.03333611	5.42E+01	5.47E+01	55:52.6	255180.1	5.47E+01
12/22/02 20:56:53	255240.026	70.90000722	59.05000639	5.42E+01	5.47E+01	56:52.6	255240.1	5.47E+01
12/22/02 20:57:53	255300.031	70.91667528	59.06667445	5.42E+01	5.47E+01	57:52.6	255300.1	5.47E+01
12/22/02 20:58:53	255360.005	70.93333472	59.08333389	5.42E+01	5.47E+01	58:52.6	255360	5.47E+01
12/22/02 20:59:53	255420.003	70.95000083	59.1	5.42E+01	5.47E+01	59:52.6	255420	5.47E+01
12/22/02 21:00:53	255480.023	70.96667306	59.11667223	5.41E+01	5.47E+01	00:52.6	255480.1	5.47E+01
12/22/02 21:01:53	255540.038	70.98334389	59.13334306	5.40E+01	5.47E+01	01:52.6	255540.1	5.47E+01
12/22/02 21:02:53	255600.047	71.00001306	59.15001223	5.38E+01	5.47E+01	02:52.6	255600.1	5.47E+01
12/22/02 21:03:53	255660.014	71.01667056	59.16666973	5.25E+01	5.46E+01	03:52.6	255660.1	5.46E+01

12/22/02 21:04:53	255720.003	71.03333417	59.18333334	5.04E+01	5.43E+01	04:52.6	255720	5.43E+01
12/22/02 21:05:53	255780.038	71.05001056	59.20000973	5.00E+01	5.39E+01	05:52.6	255780.1	5.39E+01
12/22/02 21:06:53	255840.032	71.06667556	59.21667473	4.95E+01	5.36E+01	06:52.6	255840.1	5.36E+01
12/22/02 21:07:53	255900.019	71.08333861	59.23333778	4.86E+01	5.33E+01	07:52.6	255900.1	5.33E+01
12/22/02 21:08:53	255960.003	71.10000083	59.25	4.74E+01	5.28E+01	08:52.6	255960	5.28E+01
12/22/02 21:09:53	256020.036	71.11667667	59.26667584	4.64E+01	5.23E+01	09:52.6	256020.1	5.23E+01
12/22/02 21:10:53	256080.003	71.13333417	59.28333334	4.57E+01	5.19E+01	10:52.6	256080	5.19E+01
12/22/02 21:11:53	256140.003	71.15000083	59.3	4.47E+01	5.14E+01	11:52.6	256140	5.14E+01
12/22/02 21:12:53	256200.029	71.16667472	59.31667389	4.37E+01	5.08E+01	12:52.6	256200.1	5.08E+01
12/22/02 21:13:53	256260.028	71.18334111	59.33334028	4.27E+01	5.02E+01	13:52.6	256260.1	5.02E+01
12/22/02 21:14:53	256320.023	71.20000639	59.35000556	4.19E+01	4.96E+01	14:52.6	256320.1	4.96E+01
12/22/02 21:15:53	256380.029	71.21667472	59.36667389	4.08E+01	4.90E+01	15:52.6	256380.1	4.90E+01
12/22/02 21:16:53	256440.028	71.23334111	59.38334028	3.99E+01	4.83E+01	16:52.6	256440.1	4.83E+01
12/22/02 21:17:53	256500.009	71.25000025	59.40000167	3.91E+01	4.77E+01	17:52.6	256500.1	4.77E+01
12/22/02 21:18:53	256560.003	71.26666675	59.41666667	3.80E+01	4.69E+01	18:52.6	256560	4.69E+01
12/22/02 21:19:53	256620.014	71.28333722	59.43333639	3.68E+01	4.62E+01	19:52.6	256620.1	4.62E+01
12/22/02 21:20:53	256680.035	71.30000972	59.45000889	3.59E+01	4.54E+01	20:52.6	256680.1	4.54E+01
12/22/02 21:21:53	256740.003	71.31666675	59.46666667	3.47E+01	4.47E+01	21:52.6	256740	4.47E+01
12/22/02 21:22:53	256800.003	71.33333417	59.48333334	3.36E+01	4.39E+01	22:52.6	256800	4.39E+01
12/22/02 21:23:53	256860.021	71.35000583	59.500005	3.29E+01	4.32E+01	23:52.6	256860.1	4.32E+01
12/22/02 21:24:53	256920.04	71.36667778	59.51667695	3.18E+01	4.24E+01	24:52.6	256920.1	4.24E+01
12/22/02 21:25:53	256980.007	71.38333528	59.53333445	3.07E+01	4.14E+01	25:52.6	256980	4.14E+01
12/22/02 21:26:53	257040.039	71.40001083	59.55001	3.00E+01	4.05E+01	26:52.6	257040.1	4.05E+01
12/22/02 21:27:53	257100.003	71.41666675	59.56666667	2.89E+01	3.96E+01	27:52.6	257100	3.96E+01
12/22/02 21:28:53	257160.003	71.43333417	59.58333334	2.76E+01	3.87E+01	28:52.6	257160	3.87E+01
12/22/02 21:29:53	257220.031	71.45000861	59.60000778	2.67E+01	3.78E+01	29:52.6	257220.1	3.78E+01
12/22/02 21:30:53	257280.025	71.46667361	59.61667278	2.55E+01	3.69E+01	30:52.6	257280.1	3.69E+01
12/22/02 21:31:53	257340.036	71.48334333	59.6333425	2.49E+01	3.61E+01	31:52.6	257340.1	3.61E+01
12/22/02 21:32:53	257400.031	71.50000861	59.65000778	2.50E+01	3.53E+01	32:52.6	257400.1	3.53E+01
12/22/02 21:33:53	257460.04	71.51667778	59.66667695	2.48E+01	3.47E+01	33:52.6	257460.1	3.47E+01
12/22/02 21:34:53	257520.031	71.53334194	59.68334111	2.45E+01	3.40E+01	34:52.6	257520.1	3.40E+01
12/22/02 21:35:53	257580.003	71.55000083	59.7	2.43E+01	3.35E+01	35:52.6	257580	3.35E+01
12/22/02 21:36:53	257640.003	71.56666675	59.71666667	2.42E+01	3.29E+01	36:52.6	257640	3.29E+01
12/22/02 21:37:53	257700.043	71.58334528	59.73334445	2.41E+01	3.24E+01	37:52.6	257700.1	3.24E+01
12/22/02 21:38:53	257760.043	71.60001194	59.75001111	2.40E+01	3.20E+01	38:52.6	257760.1	3.20E+01
12/22/02 21:39:53	257820.036	71.61667722	59.76667639	2.38E+01	3.14E+01	39:52.6	257820.1	3.14E+01
12/22/02 21:40:53	257880.031	71.63334194	59.78334111	2.37E+01	3.10E+01	40:52.6	257880.1	3.10E+01
12/22/02 21:41:53	257940.04	71.65001111	59.80001028	2.36E+01	3.06E+01	41:52.6	257940.1	3.06E+01
12/22/02 21:42:53	258000.024	71.66667333	59.8166725	2.36E+01	3.03E+01	42:52.6	258000.1	3.03E+01
12/22/02 21:43:53	258060.009	71.68333583	59.833335	2.36E+01	2.99E+01	43:52.6	258060	2.99E+01
12/22/02 21:44:53	258120.005	71.70000139	59.85000056	2.33E+01	2.96E+01	44:52.6	258120	2.96E+01
12/22/02 21:45:53	258180.004	71.71666778	59.86666695	2.34E+01	2.93E+01	45:52.6	258180	2.93E+01
12/22/02 21:46:53	258240.045	71.73334583	59.883345	2.34E+01	2.90E+01	46:52.6	258240.1	2.90E+01
12/22/02 21:47:53	258300.043	71.75001194	59.90001111	2.32E+01	2.87E+01	47:52.6	258300.1	2.87E+01
12/22/02 21:48:53	258360.042	71.76667833	59.9166775	2.32E+01	2.85E+01	48:52.6	258360.1	2.85E+01
12/22/02 21:49:53	258420.031	71.78334194	59.93334111	2.32E+01	2.82E+01	49:52.6	258420.1	2.82E+01
12/22/02 21:50:53	258480.03	71.80000833	59.9500075	2.32E+01	2.80E+01	50:52.6	258480.1	2.80E+01
12/22/02 21:51:53	258540.022	71.81667278	59.96667195	2.31E+01	2.78E+01	51:52.6	258540.1	2.78E+01
12/22/02 21:52:53	258600.011	71.83333639	59.98333556	2.31E+01	2.76E+01	52:52.6	258600.1	2.76E+01
12/22/02 21:53:53	258660.007	71.85000194	60.00000111	2.30E+01	2.74E+01	53:52.6	258660	2.74E+01
12/22/02 21:54:53	258720.021	71.8666725	60.01667167	2.29E+01	2.72E+01	54:52.6	258720.1	2.72E+01
12/22/02 21:55:53	258780.009	71.88333583	60.033335	2.29E+01	2.71E+01	55:52.6	258780.1	2.71E+01

12/22/02 21:56:53	258840.029	71.90000906	60.05000723	2.30E+01	2.69E+01	56:52.6	258840.1	2.69E+01
12/22/02 21:57:53	258900.045	71.91667917	60.06667834	2.30E+01	2.68E+01	57:52.6	258900.1	2.68E+01
12/22/02 21:58:53	258960.005	71.93333472	60.08333389	2.30E+01	2.66E+01	58:52.6	258960.1	2.66E+01
12/22/02 21:59:53	259020.04	71.95001111	60.10001028	2.29E+01	2.65E+01	59:52.6	259020.1	2.65E+01
12/22/02 22:00:53	259080.025	71.96667361	60.11667278	2.28E+01	2.63E+01	00:52.6	259080.1	2.63E+01
12/22/02 22:01:53	259140.028	71.98334111	60.13334028	2.28E+01	2.62E+01	01:52.6	259140.1	2.62E+01
12/22/02 22:02:53	259200.004	72.00000111	60.15000028	2.28E+01	2.60E+01	02:52.6	259200.1	2.60E+01
12/22/02 22:03:53	259260.027	72.01667417	60.16667334	2.27E+01	2.59E+01	03:52.6	259260.1	2.59E+01
12/22/02 22:04:53	259320.021	72.03333917	60.18333834	2.28E+01	2.58E+01	04:52.6	259320.1	2.58E+01
12/22/02 22:05:53	259380.032	72.05000889	60.20000806	2.28E+01	2.57E+01	05:52.6	259380.1	2.57E+01
12/22/02 22:06:53	259440.045	72.06667917	60.21667834	2.28E+01	2.57E+01	06:52.6	259440.1	2.57E+01
12/22/02 22:07:53	259500.029	72.08334139	60.23334056	2.27E+01	2.56E+01	07:52.6	259500.1	2.56E+01
12/22/02 22:08:53	259560.016	72.10000444	60.25000361	2.27E+01	2.55E+01	08:52.6	259560.1	2.55E+01
12/22/02 22:09:53	259620.003	72.1166675	60.26666667	2.27E+01	2.54E+01	09:52.6	259620.1	2.54E+01
12/22/02 22:10:53	259680.003	72.13334117	60.28333334	2.27E+01	2.53E+01	10:52.6	259680.1	2.53E+01
12/22/02 22:11:53	259740.02	72.15000556	60.30000473	2.27E+01	2.53E+01	11:52.6	259740.1	2.53E+01
12/22/02 22:12:53	259800.018	72.16667167	60.31667084	2.27E+01	2.52E+01	12:52.6	259800.1	2.52E+01
12/22/02 22:13:53	259860.017	72.18333806	60.33333723	2.26E+01	2.51E+01	13:52.6	259860.1	2.51E+01
12/22/02 22:14:53	259920.004	72.20000111	60.35000028	2.26E+01	2.50E+01	14:52.6	259920.1	2.50E+01
12/22/02 22:15:53	259980.008	72.21666889	60.36666806	2.27E+01	2.50E+01	15:52.6	259980.1	2.50E+01
12/22/02 22:16:53	260040.003	72.23333417	60.38333334	2.27E+01	2.49E+01	16:52.6	260040.1	2.49E+01
12/22/02 22:17:53	260100.003	72.25000083	60.4	2.27E+01	2.49E+01	17:52.6	260100.1	2.49E+01
12/22/02 22:18:53	260160.005	72.26666806	60.41666723	2.27E+01	2.48E+01	18:52.6	260160.1	2.48E+01
12/22/02 22:19:53	260220.016	72.28333778	60.43333695	2.26E+01	2.48E+01	19:52.6	260220.1	2.48E+01
12/22/02 22:20:53	260280.023	72.30000639	60.45000556	2.26E+01	2.47E+01	20:52.6	260280.1	2.47E+01
12/22/02 22:21:53	260340.017	72.31667139	60.46667056	2.27E+01	2.47E+01	21:52.6	260340.1	2.47E+01
12/22/02 22:22:53	260400.014	72.33333722	60.48333639	2.28E+01	2.46E+01	22:52.6	260400.1	2.46E+01
12/22/02 22:23:53	260460.005	72.35000139	60.50000056	2.27E+01	2.46E+01	23:52.6	260460.1	2.46E+01
12/22/02 22:24:53	260520.01	72.36666944	60.51666861	2.26E+01	2.45E+01	24:52.6	260520.1	2.45E+01
12/22/02 22:25:53	260580.01	72.38333611	60.53333528	2.25E+01	2.44E+01	25:52.6	260580.1	2.44E+01
12/22/02 22:26:53	260640.003	72.40000083	60.55	2.26E+01	2.44E+01	26:52.6	260640.1	2.44E+01
12/22/02 22:27:53	260700.044	72.41667889	60.56667806	2.26E+01	2.43E+01	27:52.6	260700.1	2.43E+01
12/22/02 22:28:53	260760.042	72.4333345	60.58333417	2.26E+01	2.43E+01	28:52.6	260760.1	2.43E+01
12/22/02 22:29:53	260820.045	72.4500125	60.60001167	2.26E+01	2.42E+01	29:52.6	260820.1	2.42E+01
12/22/02 22:30:53	260880.046	72.46667944	60.61667861	2.26E+01	2.42E+01	30:52.6	260880.1	2.42E+01
12/22/02 22:31:53	260940.029	72.48334139	60.63334056	2.25E+01	2.42E+01	31:52.6	260940.1	2.42E+01
12/22/02 22:32:53	261000.033	72.50000917	60.65000834	2.25E+01	2.42E+01	32:52.6	261000.1	2.42E+01
12/22/02 22:33:53	261060.012	72.51667	60.66666917	2.26E+01	2.41E+01	33:52.6	261060.1	2.41E+01
12/22/02 22:34:53	261120.03	72.53334167	60.68334084	2.26E+01	2.41E+01	34:52.6	261120.1	2.41E+01
12/22/02 22:35:53	261180.011	72.55000306	60.70000223	2.27E+01	2.41E+01	35:52.6	261180.1	2.41E+01
12/22/02 22:36:53	261240.033	72.56667583	60.716675	2.26E+01	2.40E+01	36:52.6	261240.1	2.40E+01
12/22/02 22:37:53	261300.046	72.58334611	60.73334528	2.25E+01	2.40E+01	37:52.6	261300.1	2.40E+01
12/22/02 22:38:53	261360.021	72.60000583	60.750005	2.26E+01	2.40E+01	38:52.6	261360.1	2.40E+01
12/22/02 22:39:53	261420.006	72.61666833	60.7666675	2.26E+01	2.40E+01	39:52.6	261420.1	2.40E+01
12/22/02 22:40:53	261480.003	72.63333417	60.78333334	2.26E+01	2.39E+01	40:52.6	261480.1	2.39E+01
12/22/02 22:41:53	261540.009	72.65000025	60.80000167	2.26E+01	2.39E+01	41:52.6	261540.1	2.39E+01
12/22/02 22:42:53	261600.003	72.66666675	60.81666667	2.25E+01	2.38E+01	42:52.6	261600.1	2.38E+01
12/22/02 22:43:53	261660.003	72.68333417	60.83333334	2.25E+01	2.39E+01	43:52.6	261660.1	2.39E+01
12/22/02 22:44:53	261720.045	72.7000125	60.85001167	2.24E+01	2.38E+01	44:52.6	261720.1	2.38E+01
12/22/02 22:45:53	261780.048	72.71668	60.86667917	2.25E+01	2.38E+01	45:52.6	261780.1	2.38E+01
12/22/02 22:46:53	261840.039	72.73334417	60.88334334	2.26E+01	2.38E+01	46:52.6	261840.1	2.38E+01
12/22/02 22:47:53	261900.035	72.75000972	60.90000889	2.26E+01	2.37E+01	47:52.6	261900.1	2.37E+01

12/22/02 22:48:53	261960.038	72.76667722	60.91667639	2.25E+01	2.37E+01	48:52.6	261960.1	2.37E+01
12/22/02 22:49:53	262020.029	72.78334139	60.93334056	2.25E+01	2.37E+01	49:52.6	262020.1	2.37E+01
12/22/02 22:50:53	262080.042	72.80001167	60.95001084	2.25E+01	2.37E+01	50:52.6	262080.1	2.37E+01
12/22/02 22:51:53	262140.041	72.81667806	60.96667723	2.25E+01	2.37E+01	51:52.6	262140.1	2.37E+01
12/22/02 22:52:53	262200.032	72.83334222	60.98334139	2.26E+01	2.37E+01	52:52.6	262200.1	2.37E+01
12/22/02 22:53:53	262260.035	72.85000972	61.00000889	2.26E+01	2.36E+01	53:52.6	262260.1	2.36E+01
12/22/02 22:54:53	262320.031	72.86667528	61.01667445	2.26E+01	2.36E+01	54:52.6	262320.1	2.36E+01
12/22/02 22:55:53	262380.044	72.88334556	61.03334473	2.25E+01	2.36E+01	55:52.6	262380.1	2.36E+01
12/22/02 22:56:53	262440.019	72.90000528	61.05000445	2.25E+01	2.36E+01	56:52.6	262440.1	2.36E+01
12/22/02 22:57:53	262500.019	72.91667194	61.06667111	2.25E+01	2.36E+01	57:52.6	262500.1	2.36E+01
12/22/02 22:58:53	262560.003	72.93333417	61.08333334	2.26E+01	2.36E+01	58:52.6	262560.1	2.36E+01
12/22/02 22:59:53	262620.027	72.95000075	61.10000667	2.25E+01	2.35E+01	59:52.6	262620.1	2.35E+01
12/22/02 23:00:53	262680.013	72.96667028	61.11666945	2.25E+01	2.35E+01	00:52.6	262680.1	2.35E+01
12/22/02 23:01:53	262740.026	72.98334056	61.13333973	2.24E+01	2.35E+01	01:52.6	262740.1	2.35E+01
12/22/02 23:02:53	262800.041	73.00001139	61.15001056	2.24E+01	2.35E+01	02:52.6	262800.1	2.35E+01
12/22/02 23:03:53	262860.008	73.01666889	61.16666806	2.25E+01	2.34E+01	03:52.6	262860.1	2.34E+01
12/22/02 23:04:53	262920.003	73.03333417	61.18333334	2.25E+01	2.35E+01	04:52.6	262920.1	2.35E+01
12/22/02 23:05:53	262980.036	73.05001	61.20000917	2.25E+01	2.34E+01	05:52.6	262980.1	2.34E+01
12/22/02 23:06:53	263040.029	73.06667472	61.21667389	2.25E+01	2.34E+01	06:52.6	263040.1	2.34E+01
12/22/02 23:07:53	263100.007	73.08333528	61.23333445	2.24E+01	2.34E+01	07:52.6	263100.1	2.34E+01
12/22/02 23:08:53	263160.003	73.10000083	61.25	2.24E+01	2.34E+01	08:52.6	263160.1	2.34E+01
12/22/02 23:09:53	263220.027	73.11667417	61.26667334	2.25E+01	2.34E+01	09:52.6	263220.1	2.34E+01
12/22/02 23:10:53	263280.006	73.133335	61.28333417	2.25E+01	2.34E+01	10:52.6	263280.1	2.34E+01
12/22/02 23:11:53	263340.017	73.15000472	61.30000389	2.25E+01	2.34E+01	11:52.6	263340.1	2.34E+01
12/22/02 23:12:53	263400.026	73.16667389	61.31667306	2.25E+01	2.34E+01	12:52.6	263400.1	2.34E+01
12/22/02 23:13:53	263460.003	73.18333417	61.33333334	2.25E+01	2.34E+01	13:52.6	263460.1	2.34E+01
12/22/02 23:14:53	263520.008	73.20000222	61.35000139	2.25E+01	2.34E+01	14:52.6	263520.1	2.34E+01
12/22/02 23:15:53	263580.003	73.2166675	61.36666667	2.24E+01	2.33E+01	15:52.6	263580.1	2.33E+01
12/22/02 23:16:53	263640.037	73.23334361	61.38334278	2.25E+01	2.33E+01	16:52.6	263640.1	2.33E+01
12/22/02 23:17:53	263700.032	73.25000889	61.40000806	2.25E+01	2.33E+01	17:52.6	263700.1	2.33E+01
12/22/02 23:18:53	263760.003	73.2666675	61.41666667	2.25E+01	2.33E+01	18:52.6	263760.1	2.33E+01
12/22/02 23:19:53	263820.03	73.28334167	61.43334084	2.25E+01	2.33E+01	19:52.6	263820.1	2.33E+01
12/22/02 23:20:53	263880.039	73.30001083	61.45001	2.24E+01	2.33E+01	20:52.6	263880.1	2.33E+01
12/22/02 23:21:53	263940.036	73.31667567	61.46667584	2.25E+01	2.33E+01	21:52.6	263940.1	2.33E+01
12/22/02 23:22:53	264000.032	73.33334222	61.48334139	2.25E+01	2.32E+01	22:52.6	264000.1	2.32E+01
12/22/02 23:23:53	264060.041	73.35001139	61.50001056	2.25E+01	2.33E+01	23:52.6	264060.1	2.33E+01
12/22/02 23:24:53	264120.034	73.36667611	61.51667528	2.25E+01	2.33E+01	24:52.6	264120.1	2.33E+01
12/22/02 23:25:53	264180.039	73.38334417	61.53334334	2.24E+01	2.33E+01	25:52.6	264180.1	2.33E+01
12/22/02 23:26:53	264240.023	73.40000639	61.55000556	2.24E+01	2.32E+01	26:52.6	264240.1	2.32E+01
12/22/02 23:27:53	264300.004	73.41666778	61.56666695	2.25E+01	2.32E+01	27:52.6	264300.1	2.32E+01
12/22/02 23:28:53	264360.009	73.43333583	61.583335	2.26E+01	2.33E+01	28:52.6	264360.1	2.33E+01
12/22/02 23:29:53	264420.044	73.45001222	61.60001139	2.26E+01	2.33E+01	29:52.6	264420.1	2.33E+01
12/22/02 23:30:53	264480.024	73.46667333	61.6166725	2.25E+01	2.32E+01	30:52.6	264480.1	2.32E+01
12/22/02 23:31:53	264540.035	73.48334306	61.63334223	2.24E+01	2.32E+01	31:52.6	264540.1	2.32E+01
12/22/02 23:32:53	264600.026	73.50000722	61.65000639	2.24E+01	2.32E+01	32:52.6	264600.1	2.32E+01
12/22/02 23:33:53	264660.017	73.51667139	61.66667056	2.36E+01	2.33E+01	33:52.6	264660.1	2.33E+01
12/22/02 23:34:53	264720.022	73.53333944	61.68333861	2.47E+01	2.35E+01	34:52.6	264720.1	2.35E+01
12/22/02 23:35:53	264780.019	73.55000528	61.70000445	2.56E+01	2.37E+01	35:52.6	264780.1	2.37E+01
12/22/02 23:36:53	264840.03	73.566675	61.71667417	2.65E+01	2.40E+01	36:52.6	264840.1	2.40E+01
12/22/02 23:37:53	264900.022	73.58333944	61.73333861	2.74E+01	2.43E+01	37:52.6	264900.1	2.43E+01
12/22/02 23:38:53	264960.017	73.60000472	61.75000389	2.83E+01	2.47E+01	38:52.6	264960.1	2.47E+01
12/22/02 23:39:53	265020.024	73.61667333	61.7666725	2.91E+01	2.51E+01	39:52.6	265020.1	2.51E+01

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12/22/02 23:40:53	265080.027	73.63334063	61.78334	3.00E+01	2.56E+01	40:52.6	265080.1	2.56E+01
12/22/02 23:41:53	265140.024	73.65000667	61.80000584	3.07E+01	2.61E+01	41:52.6	265140.1	2.61E+01
12/22/02 23:42:53	265200.035	73.66667639	61.81667556	3.18E+01	2.66E+01	42:52.6	265200.1	2.66E+01
12/22/02 23:43:53	265260.019	73.68333861	61.83333778	3.28E+01	2.72E+01	43:52.6	265260.1	2.72E+01
12/22/02 23:44:53	265320.024	73.70000667	61.85000584	3.42E+01	2.77E+01	44:52.6	265320.1	2.77E+01
12/22/02 23:45:53	265380.003	73.7166675	61.86666667	3.49E+01	2.83E+01	45:52.6	265380	2.83E+01
12/22/02 23:46:53	265440.016	73.73333778	61.88333895	3.55E+01	2.89E+01	46:52.6	265440.1	2.89E+01
12/22/02 23:47:53	265500.027	73.7500075	61.90000667	3.63E+01	2.97E+01	47:52.6	265500.1	2.97E+01
12/22/02 23:48:53	265560.036	73.76667667	61.91667584	3.75E+01	3.03E+01	48:52.6	265560.1	3.03E+01
12/22/02 23:49:53	265620.005	73.78333472	61.93333389	3.85E+01	3.09E+01	49:52.6	265620	3.09E+01
12/22/02 23:50:53	265680.029	73.80000806	61.95000723	3.95E+01	3.17E+01	50:52.6	265680.1	3.17E+01
12/22/02 23:51:53	265740.003	73.8166675	61.96666667	4.03E+01	3.23E+01	51:52.6	265740	3.23E+01
12/22/02 23:52:53	265800.029	73.83334139	61.98334056	4.14E+01	3.31E+01	52:52.6	265800.1	3.31E+01
12/22/02 23:53:53	265860.046	73.85001278	62.00001195	4.25E+01	3.39E+01	53:52.6	265860.1	3.39E+01
12/22/02 23:54:53	265920.016	73.86667111	62.01667028	4.34E+01	3.47E+01	54:52.6	265920.1	3.47E+01
12/22/02 23:55:53	265980.011	73.88333639	62.03333556	4.44E+01	3.54E+01	55:52.6	265980.1	3.54E+01
12/22/02 23:56:53	266040.028	73.90000778	62.05000695	4.55E+01	3.62E+01	56:52.6	266040.1	3.62E+01
12/22/02 23:57:53	266100.025	73.91667361	62.06667278	4.66E+01	3.70E+01	57:52.6	266100.1	3.70E+01
12/22/02 23:58:53	266160.033	73.9333425	62.08334167	4.74E+01	3.77E+01	58:52.6	266160.1	3.77E+01
12/22/02 23:59:53	266220.003	73.95000803	62.1	4.88E+01	3.86E+01	59:52.6	266220	3.86E+01
12/23/02 00:00:53	266280.019	73.96667194	62.11667111	4.95E+01	3.93E+01	00:52.6	266280.1	3.93E+01
12/23/02 00:01:53	266340.039	73.98334417	62.13334334	5.05E+01	4.01E+01	01:52.6	266340.1	4.01E+01
12/23/02 00:02:53	266400.035	74.00000972	62.15000889	5.13E+01	4.10E+01	02:52.6	266400.1	4.10E+01
12/23/02 00:03:53	266460.042	74.01667833	62.1666775	5.24E+01	4.18E+01	03:52.6	266460.1	4.18E+01
12/23/02 00:04:53	266520.033	74.0333425	62.18334167	5.31E+01	4.27E+01	04:52.6	266520.1	4.27E+01
12/23/02 00:05:53	266580.003	74.05000803	62.2	5.44E+01	4.35E+01	05:52.6	266580	4.35E+01
12/23/02 00:06:53	266640.033	74.06667583	62.216675	5.54E+01	4.43E+01	06:52.6	266640.1	4.43E+01
12/23/02 00:07:53	266700.029	74.08334139	62.23334056	5.64E+01	4.53E+01	07:52.6	266700.1	4.53E+01
12/23/02 00:08:53	266760.01	74.10000278	62.25000195	5.77E+01	4.61E+01	08:52.6	266760.1	4.61E+01
12/23/02 00:09:53	266820.021	74.1166725	62.26667167	5.84E+01	4.70E+01	09:52.6	266820.1	4.70E+01
12/23/02 00:10:53	266880.024	74.13334	62.28333917	5.95E+01	4.79E+01	10:52.6	266880.1	4.79E+01
12/23/02 00:11:53	266940.033	74.15000917	62.30000834	6.04E+01	4.88E+01	11:52.6	266940.1	4.88E+01
12/23/02 00:12:53	267000.036	74.16667667	62.31667584	6.15E+01	4.98E+01	12:52.6	267000.1	4.98E+01
12/23/02 00:13:53	267060.003	74.18333417	62.33333334	6.23E+01	5.07E+01	13:52.6	267060	5.07E+01
12/23/02 00:14:53	267120.033	74.20000917	62.35000834	6.39E+01	5.14E+01	14:52.6	267120.1	5.14E+01
12/23/02 00:15:53	267180.036	74.21667667	62.36667584	6.45E+01	5.24E+01	15:52.6	267180.1	5.24E+01
12/23/02 00:16:53	267240.041	74.23334472	62.38334389	6.52E+01	5.33E+01	16:52.6	267240.1	5.33E+01
12/23/02 00:17:53	267300.038	74.25001056	62.40000973	6.65E+01	5.42E+01	17:52.6	267300.1	5.42E+01
12/23/02 00:18:53	267360.037	74.26667694	62.41667611	6.74E+01	5.50E+01	18:52.6	267360.1	5.50E+01
12/23/02 00:19:53	267420.044	74.28334556	62.43334473	6.86E+01	5.59E+01	19:52.6	267420.1	5.59E+01
12/23/02 00:20:53	267480.036	74.30001	62.45000917	6.97E+01	5.69E+01	20:52.6	267480.1	5.69E+01
12/23/02 00:21:53	267540.027	74.31667417	62.46667334	7.10E+01	5.78E+01	21:52.6	267540.1	5.78E+01
12/23/02 00:22:53	267600.014	74.33333722	62.48333639	7.17E+01	5.88E+01	22:52.6	267600.1	5.88E+01
12/23/02 00:23:53	267660.012	74.35000333	62.5000025	7.25E+01	5.98E+01	23:52.6	267660.1	5.98E+01
12/23/02 00:24:53	267720.009	74.36666917	62.51666834	7.38E+01	6.06E+01	24:52.6	267720	6.06E+01
12/23/02 00:25:53	267780.014	74.38333722	62.53333639	7.49E+01	6.16E+01	25:52.6	267780.1	6.16E+01
12/23/02 00:26:53	267840.003	74.40000803	62.55	7.57E+01	6.26E+01	26:52.6	267840	6.26E+01
12/23/02 00:27:53	267900.034	74.41667611	62.56667528	7.70E+01	6.35E+01	27:52.6	267900.1	6.35E+01
12/23/02 00:28:53	267960.024	74.43334	62.58333917	7.79E+01	6.44E+01	28:52.6	267960.1	6.44E+01
12/23/02 00:29:53	268020.027	74.4500075	62.60000667	7.89E+01	6.55E+01	29:52.6	268020.1	6.55E+01
12/23/02 00:30:53	268080.016	74.46667111	62.61667028	7.98E+01	6.63E+01	30:52.6	268080.1	6.63E+01
12/23/02 00:31:53	268140.008	74.48333556	62.63333473	8.10E+01	6.72E+01	31:52.6	268140	6.72E+01

12/23/02 0:32:53	268200.003	74.50000083	62.65	8.12E+01	6.80E+01	32:52.6	268200	6.80E+01
12/23/02 0:33:53	268260.003	74.5166675	62.66666667	8.13E+01	6.90E+01	33:52.6	268260	6.90E+01
12/23/02 0:34:53	268320.036	74.53334333	62.6833425	8.17E+01	6.98E+01	34:52.6	268320.1	6.98E+01
12/23/02 0:35:53	268380.012	74.55000333	62.7000025	8.18E+01	7.06E+01	35:52.6	268380.1	7.06E+01
12/23/02 0:36:53	268440.017	74.56667139	62.71667056	8.22E+01	7.13E+01	36:52.6	268440.1	7.13E+01
12/23/02 0:37:53	268500.03	74.58334167	62.73334084	8.23E+01	7.20E+01	37:52.6	268500.1	7.20E+01
12/23/02 0:38:53	268560.035	74.60000972	62.75000889	8.22E+01	7.27E+01	38:52.6	268560.1	7.27E+01
12/23/02 0:39:53	268620.005	74.61666806	62.76666723	8.27E+01	7.33E+01	39:52.6	268620	7.33E+01
12/23/02 0:40:53	268680.028	74.63334111	62.78334028	8.27E+01	7.39E+01	40:52.6	268680.1	7.39E+01
12/23/02 0:41:53	268740.003	74.65000083	62.8	8.29E+01	7.44E+01	41:52.6	268740	7.44E+01
12/23/02 0:42:53	268800.006	74.66666833	62.8166675	8.30E+01	7.49E+01	42:52.6	268800	7.49E+01
12/23/02 0:43:53	268860.027	74.68334083	62.83334	8.31E+01	7.54E+01	43:52.6	268860.1	7.54E+01
12/23/02 0:44:53	268920.017	74.70000472	62.85000389	8.32E+01	7.59E+01	44:52.6	268920.1	7.59E+01
12/23/02 0:45:53	268980.029	74.71667472	62.86667389	8.36E+01	7.63E+01	45:52.6	268980.1	7.63E+01
12/23/02 0:46:53	269040.038	74.73334389	62.88334306	8.36E+01	7.67E+01	46:52.6	269040.1	7.67E+01
12/23/02 0:47:53	269100.004	74.75000111	62.90000028	8.36E+01	7.71E+01	47:52.6	269100	7.71E+01
12/23/02 0:48:53	269160.03	74.766675	62.91667417	8.35E+01	7.75E+01	48:52.6	269160.1	7.75E+01
12/23/02 0:49:53	269220.022	74.78333944	62.93333961	8.36E+01	7.78E+01	49:52.6	269220.1	7.78E+01
12/23/02 0:50:53	269280.02	74.80000556	62.95000473	8.37E+01	7.81E+01	50:52.6	269280.1	7.81E+01
12/23/02 0:51:53	269340.023	74.81667306	62.96667223	8.36E+01	7.84E+01	51:52.6	269340.1	7.84E+01
12/23/02 0:52:53	269400.02	74.83333889	62.98333806	8.38E+01	7.86E+01	52:52.6	269400.1	7.86E+01
12/23/02 0:53:53	269460.033	74.85000917	63.00000834	8.39E+01	7.89E+01	53:52.6	269460.1	7.89E+01
12/23/02 0:54:53	269520.024	74.86667333	63.0166725	8.39E+01	7.92E+01	54:52.6	269520.1	7.92E+01
12/23/02 0:55:53	269580.02	74.88333889	63.03333806	8.39E+01	7.94E+01	55:52.6	269580.1	7.94E+01
12/23/02 0:56:53	269640.042	74.90001167	63.05001084	8.40E+01	7.96E+01	56:52.6	269640.1	7.96E+01
12/23/02 0:57:53	269700.028	74.91667444	63.06667361	8.41E+01	7.98E+01	57:52.6	269700.1	7.98E+01
12/23/02 0:58:53	269760.027	74.93334083	63.08334	8.41E+01	8.01E+01	58:52.6	269760.1	8.01E+01
12/23/02 0:59:53	269820.012	74.95000333	63.1000025	8.41E+01	8.03E+01	59:52.6	269820.1	8.03E+01
12/23/02 1:00:53	269880.011	74.96666972	63.11666889	8.41E+01	8.05E+01	00:52.6	269880.1	8.05E+01
12/23/02 1:01:53	269940.032	74.98334222	63.13334139	8.42E+01	8.06E+01	01:52.6	269940.1	8.06E+01
12/23/02 1:02:53	270000.022	75.00000611	63.15000528	8.43E+01	8.08E+01	02:52.6	270000.1	8.08E+01
12/23/02 1:03:53	270060.019	75.01667194	63.16667111	8.42E+01	8.09E+01	03:52.6	270060.1	8.09E+01
12/23/02 1:04:53	270120.014	75.03333722	63.18333639	8.42E+01	8.11E+01	04:52.6	270120.1	8.11E+01
12/23/02 1:05:53	270180.046	75.05001278	63.20001195	8.42E+01	8.13E+01	05:52.6	270180.1	8.13E+01
12/23/02 1:06:53	270240.035	75.06667639	63.21667556	8.43E+01	8.14E+01	06:52.6	270240.1	8.14E+01
12/23/02 1:07:53	270300.025	75.08334028	63.23333945	8.43E+01	8.16E+01	07:52.6	270300.1	8.16E+01
12/23/02 1:08:53	270360.014	75.10000389	63.25000306	8.43E+01	8.17E+01	08:52.6	270360.1	8.17E+01
12/23/02 1:09:53	270420.041	75.11667806	63.26667723	8.44E+01	8.18E+01	09:52.6	270420.1	8.18E+01
12/23/02 1:10:53	270480.018	75.13333833	63.2833375	8.44E+01	8.20E+01	10:52.6	270480.1	8.20E+01
12/23/02 1:11:53	270540.012	75.15000333	63.3000025	8.44E+01	8.21E+01	11:52.6	270540.1	8.21E+01
12/23/02 1:12:53	270600.003	75.1666675	63.31666667	8.45E+01	8.22E+01	12:52.6	270600	8.22E+01
12/23/02 1:13:53	270660.024	75.18334	63.33333917	8.44E+01	8.23E+01	13:52.6	270660.1	8.23E+01
12/23/02 1:14:53	270720.045	75.2000125	63.35001167	8.44E+01	8.24E+01	14:52.6	270720.1	8.24E+01
12/23/02 1:15:53	270780.018	75.21667167	63.36667084	8.45E+01	8.25E+01	15:52.6	270780.1	8.25E+01
12/23/02 1:16:53	270840.041	75.23334472	63.38334389	8.44E+01	8.26E+01	16:52.6	270840.1	8.26E+01
12/23/02 1:17:53	270900.021	75.25000583	63.400005	8.44E+01	8.27E+01	17:52.6	270900.1	8.27E+01
12/23/02 1:18:53	270960.016	75.26667111	63.41667028	8.45E+01	8.28E+01	18:52.6	270960.1	8.28E+01
12/23/02 1:19:53	271020.003	75.28333417	63.43333334	8.45E+01	8.29E+01	19:52.6	271020	8.29E+01
12/23/02 1:20:53	271080.003	75.30000083	63.45	8.45E+01	8.30E+01	20:52.6	271080	8.30E+01
12/23/02 1:21:53	271140.023	75.31667306	63.46667223	8.45E+01	8.31E+01	21:52.6	271140.1	8.31E+01
12/23/02 1:22:53	271200.042	75.3333345	63.48334417	8.46E+01	8.31E+01	22:52.6	271200.1	8.31E+01
12/23/02 1:23:53	271260.014	75.35000389	63.50000306	8.47E+01	8.32E+01	23:52.6	271260.1	8.32E+01

12/23/02 1:24:53	271320.029	75.36667472	63.51667389	8.46E+01	8.33E+01	24:52.6	271320.1	8.33E+01
12/23/02 1:25:53	271380.004	75.38333444	63.53333361	8.46E+01	8.34E+01	25:52.6	271380	8.34E+01
12/23/02 1:26:53	271440.031	75.40000861	63.55000778	8.46E+01	8.35E+01	26:52.6	271440.1	8.35E+01
12/23/02 1:27:53	271500.007	75.41666861	63.56666778	8.48E+01	8.35E+01	27:52.6	271500	8.35E+01
12/23/02 1:28:53	271560.02	75.43333889	63.58333806	8.47E+01	8.36E+01	28:52.6	271560.1	8.36E+01
12/23/02 1:29:53	271620.029	75.45000806	63.60000723	8.46E+01	8.37E+01	29:52.6	271620.1	8.37E+01
12/23/02 1:30:53	271680.01	75.46666944	63.61666861	8.46E+01	8.37E+01	30:52.6	271680	8.37E+01
12/23/02 1:31:53	271740.015	75.48333375	63.63333667	8.46E+01	8.37E+01	31:52.6	271740.1	8.37E+01
12/23/02 1:32:53	271800.03	75.50000833	63.6500075	8.47E+01	8.38E+01	32:52.6	271800.1	8.38E+01
12/23/02 1:33:53	271860.043	75.51667861	63.6666778	8.47E+01	8.38E+01	33:52.6	271860.1	8.38E+01
12/23/02 1:34:53	271920.013	75.53333694	63.68333611	8.46E+01	8.39E+01	34:52.6	271920.1	8.39E+01
12/23/02 1:35:53	271980.045	75.5500125	63.70001167	8.47E+01	8.39E+01	35:52.6	271980.1	8.39E+01
12/23/02 1:36:53	272040.017	75.56667139	63.71667056	8.47E+01	8.40E+01	36:52.6	272040.1	8.40E+01
12/23/02 1:37:53	272100.045	75.58334583	63.733345	8.46E+01	8.40E+01	37:52.6	272100.1	8.40E+01
12/23/02 1:38:53	272160.004	75.60000111	63.75000028	8.46E+01	8.40E+01	38:52.6	272160	8.40E+01
12/23/02 1:39:53	272220.027	75.61667417	63.76667334	8.46E+01	8.41E+01	39:52.6	272220.1	8.41E+01
12/23/02 1:40:53	272280.045	75.63334583	63.783345	8.47E+01	8.41E+01	40:52.6	272280.1	8.41E+01
12/23/02 1:41:53	272340.019	75.65000528	63.80000445	8.47E+01	8.42E+01	41:52.6	272340.1	8.42E+01
12/23/02 1:42:53	272400.024	75.66667333	63.8166725	8.46E+01	8.42E+01	42:52.6	272400.1	8.42E+01
12/23/02 1:43:53	272460.042	75.683345	63.83334417	8.47E+01	8.43E+01	43:52.6	272460.1	8.43E+01
12/23/02 1:44:53	272520.015	75.70000417	63.85000334	8.47E+01	8.43E+01	44:52.6	272520.1	8.43E+01
12/23/02 1:45:53	272580.021	75.7166725	63.86667167	8.47E+01	8.43E+01	45:52.6	272580.1	8.43E+01
12/23/02 1:46:53	272640.011	75.73333639	63.88333556	8.47E+01	8.44E+01	46:52.6	272640.1	8.44E+01
12/23/02 1:47:53	272700.014	75.75000389	63.90000306	8.47E+01	8.44E+01	47:52.6	272700.1	8.44E+01
12/23/02 1:48:53	272760.005	75.76666806	63.91666723	8.47E+01	8.45E+01	48:52.6	272760	8.45E+01
12/23/02 1:49:53	272820.044	75.78334556	63.93334473	8.47E+01	8.45E+01	49:52.6	272820.1	8.45E+01
12/23/02 1:50:53	272880.011	75.80000306	63.95000223	8.46E+01	8.45E+01	50:52.6	272880.1	8.45E+01
12/23/02 1:51:53	272940.038	75.81667722	63.96667639	8.46E+01	8.45E+01	51:52.6	272940.1	8.45E+01
12/23/02 1:52:53	273000.003	75.83333417	63.98333334	8.46E+01	8.46E+01	52:52.6	273000	8.46E+01
12/23/02 1:53:53	273060.021	75.85000583	64.0000005	8.48E+01	8.46E+01	53:52.6	273060.1	8.46E+01
12/23/02 1:54:53	273120.044	75.86667889	64.01667806	8.48E+01	8.46E+01	54:52.6	273120.1	8.46E+01
12/23/02 1:55:53	273180.015	75.88333375	64.03333667	8.47E+01	8.47E+01	55:52.6	273180.1	8.47E+01
12/23/02 1:56:53	273240.025	75.90000694	64.05000611	8.47E+01	8.47E+01	56:52.6	273240.1	8.47E+01
12/23/02 1:57:53	273300.016	75.91667111	64.06667028	8.47E+01	8.47E+01	57:52.6	273300.1	8.47E+01
12/23/02 1:58:53	273360.025	75.93334028	64.08333945	8.47E+01	8.47E+01	58:52.6	273360.1	8.47E+01
12/23/02 1:59:53	273420.04	75.95001111	64.10001028	8.48E+01	8.48E+01	59:52.6	273420.1	8.48E+01
12/23/02 2:00:53	273480.047	75.96667972	64.11667889	8.47E+01	8.48E+01	00:52.6	273480.1	8.48E+01
12/23/02 2:01:53	273540.003	75.98333417	64.13333334	8.48E+01	8.48E+01	01:52.6	273540	8.48E+01
12/23/02 2:02:53	273600.01	76.00000278	64.15000195	8.48E+01	8.48E+01	02:52.6	273600	8.48E+01
12/23/02 2:03:53	273660.019	76.01667194	64.16667111	8.47E+01	8.48E+01	03:52.6	273660.1	8.48E+01
12/23/02 2:04:53	273720.041	76.03334472	64.18334389	8.48E+01	8.49E+01	04:52.6	273720.1	8.49E+01
12/23/02 2:05:53	273780.021	76.05000583	64.2000005	8.48E+01	8.49E+01	05:52.6	273780.1	8.49E+01
12/23/02 2:06:53	273840.007	76.06666861	64.21666778	8.48E+01	8.49E+01	06:52.6	273840	8.49E+01
12/23/02 2:07:53	273900.031	76.08334194	64.23334111	8.48E+01	8.49E+01	07:52.6	273900.1	8.49E+01
12/23/02 2:08:53	273960.038	76.10001056	64.25000973	8.47E+01	8.49E+01	08:52.6	273960.1	8.49E+01
12/23/02 2:09:53	274020.003	76.1166675	64.26666667	8.48E+01	8.50E+01	09:52.6	274020	8.50E+01
12/23/02 2:10:53	274080.003	76.13333417	64.28333334	8.48E+01	8.50E+01	10:52.6	274080	8.50E+01
12/23/02 2:11:53	274140.012	76.15000333	64.3000025	8.49E+01	8.50E+01	11:52.6	274140.1	8.50E+01
12/23/02 2:12:53	274200.015	76.16667083	64.316667	8.48E+01	8.50E+01	12:52.6	274200.1	8.50E+01
12/23/02 2:13:53	274260.028	76.18334111	64.33334028	8.48E+01	8.51E+01	13:52.6	274260.1	8.51E+01
12/23/02 2:14:53	274320.003	76.20000083	64.35	8.48E+01	8.51E+01	14:52.6	274320	8.51E+01
12/23/02 2:15:53	274380.015	76.21667083	64.36667	8.48E+01	8.51E+01	15:52.6	274380.1	8.51E+01

12/23/02 2:16:53	274440.014	76.2333722	64.38333639	8.48E+01	8.50E+01	16:52.6	274440.1	8.50E+01
12/23/02 2:17:53	274500.008	76.25000222	64.40000139	8.48E+01	8.51E+01	17:52.6	274500	8.51E+01
12/23/02 2:18:53	274560.02	76.26667222	64.41667139	8.47E+01	8.51E+01	18:52.6	274560.1	8.51E+01
12/23/02 2:19:53	274620.008	76.28333556	64.43333473	8.48E+01	8.51E+01	19:52.6	274620	8.51E+01
12/23/02 2:20:53	274680.003	76.30000083	64.45	8.48E+01	8.50E+01	20:52.6	274680	8.50E+01
12/23/02 2:21:53	274740.007	76.31666861	64.46666778	8.47E+01	8.51E+01	21:52.6	274740	8.51E+01
12/23/02 2:22:53	274800.024	76.33334	64.48333917	8.47E+01	8.51E+01	22:52.6	274800.1	8.51E+01
12/23/02 2:23:53	274860.031	76.35000861	64.50000778	8.47E+01	8.51E+01	23:52.6	274860.1	8.51E+01
12/23/02 2:24:53	274920.006	76.36666833	64.5166675	8.48E+01	8.51E+01	24:52.6	274920	8.51E+01
12/23/02 2:25:53	274980.022	76.38333944	64.53333861	8.48E+01	8.51E+01	25:52.6	274980.1	8.51E+01
12/23/02 2:26:53	275040.033	76.40000917	64.55000834	8.48E+01	8.51E+01	26:52.6	275040.1	8.51E+01
12/23/02 2:27:53	275100.048	76.41668	64.56667917	8.47E+01	8.51E+01	27:52.6	275100.1	8.51E+01
12/23/02 2:28:53	275160.032	76.43334222	64.58334139	8.48E+01	8.52E+01	28:52.6	275160.1	8.52E+01
12/23/02 2:29:53	275220.031	76.45000861	64.60000778	8.48E+01	8.52E+01	29:52.6	275220.1	8.52E+01
12/23/02 2:30:53	275280.03	76.466675	64.61667417	8.48E+01	8.52E+01	30:52.6	275280.1	8.52E+01
12/23/02 2:31:53	275340.047	76.48334639	64.63334556	8.48E+01	8.52E+01	31:52.6	275340.1	8.52E+01
12/23/02 2:32:53	275400.046	76.50001278	64.65001195	8.47E+01	8.52E+01	32:52.6	275400.1	8.52E+01
12/23/02 2:33:53	275460.029	76.51667472	64.66667389	8.48E+01	8.52E+01	33:52.6	275460.1	8.52E+01
12/23/02 2:34:53	275520.042	76.533345	64.68334417	8.48E+01	8.52E+01	34:52.6	275520.1	8.52E+01
12/23/02 2:35:53	275580.026	76.55000722	64.70000639	8.48E+01	8.52E+01	35:52.6	275580.1	8.52E+01
12/23/02 2:36:53	275640.015	76.56667083	64.71667	8.48E+01	8.52E+01	36:52.6	275640.1	8.52E+01
12/23/02 2:37:53	275700.009	76.58333583	64.733335	8.49E+01	8.52E+01	37:52.6	275700	8.52E+01
12/23/02 2:38:53	275760.019	76.60000528	64.75000445	8.48E+01	8.52E+01	38:52.6	275760.1	8.52E+01
12/23/02 2:39:53	275820.017	76.61667139	64.76667056	8.48E+01	8.53E+01	39:52.6	275820.1	8.53E+01
12/23/02 2:40:53	275880.022	76.63333944	64.78333861	8.49E+01	8.53E+01	40:52.6	275880.1	8.53E+01
12/23/02 2:41:53	275940.031	76.65000861	64.80000778	8.49E+01	8.53E+01	41:52.6	275940.1	8.53E+01
12/23/02 2:42:53	276000.024	76.66667333	64.8166725	8.48E+01	8.53E+01	42:52.6	276000.1	8.53E+01
12/23/02 2:43:53	276060.023	76.68333972	64.83333889	8.47E+01	8.53E+01	43:52.6	276060.1	8.53E+01
12/23/02 2:44:53	276120.03	76.70000833	64.8500075	8.48E+01	8.53E+01	44:52.6	276120.1	8.53E+01
12/23/02 2:45:53	276180.022	76.71667278	64.86667195	8.49E+01	8.53E+01	45:52.6	276180.1	8.53E+01
12/23/02 2:46:53	276240.017	76.73333806	64.88333723	8.48E+01	8.53E+01	46:52.6	276240.1	8.53E+01
12/23/02 2:47:53	276300.036	76.75001	64.90000917	8.48E+01	8.53E+01	47:52.6	276300.1	8.53E+01
12/23/02 2:48:53	276360.037	76.76667694	64.91667611	8.48E+01	8.52E+01	48:52.6	276360.1	8.52E+01
12/23/02 2:49:53	276420.03	76.78334167	64.93334084	8.48E+01	8.53E+01	49:52.6	276420.1	8.53E+01
12/23/02 2:50:53	276480.023	76.80000639	64.95000556	8.48E+01	8.53E+01	50:52.6	276480.1	8.53E+01
12/23/02 2:51:53	276540.034	76.81667611	64.96667528	8.48E+01	8.53E+01	51:52.6	276540.1	8.53E+01
12/23/02 2:52:53	276600.031	76.83334194	64.98334111	8.48E+01	8.53E+01	52:52.6	276600.1	8.53E+01
12/23/02 2:53:53	276660.023	76.85000639	65.00000556	8.48E+01	8.53E+01	53:52.6	276660.1	8.53E+01
12/23/02 2:54:53	276720.014	76.86667056	65.01666973	8.48E+01	8.53E+01	54:52.6	276720.1	8.53E+01
12/23/02 2:55:53	276780.013	76.88333694	65.03333611	8.47E+01	8.53E+01	55:52.6	276780.1	8.53E+01
12/23/02 2:56:53	276840.011	76.90000306	65.05000223	8.48E+01	8.53E+01	56:52.6	276840	8.53E+01
12/23/02 2:57:53	276900.006	76.91666833	65.0666675	8.48E+01	8.53E+01	57:52.6	276900	8.53E+01
12/23/02 2:58:53	276960.045	76.93334583	65.083345	8.48E+01	8.53E+01	58:52.6	276960.1	8.53E+01
12/23/02 2:59:53	277020.003	76.95000083	65.1	8.47E+01	8.53E+01	59:52.6	277020	8.53E+01
12/23/02 3:00:53	277080.003	76.9666675	65.11666667	8.47E+01	8.53E+01	00:52.6	277080	8.53E+01
12/23/02 3:01:53	277140.016	76.98333778	65.13333695	8.48E+01	8.53E+01	01:52.6	277140.1	8.53E+01
12/23/02 3:02:53	277200.043	77.00001194	65.15001111	8.48E+01	8.53E+01	02:52.6	277200.1	8.53E+01
12/23/02 3:03:53	277260.003	77.0166675	65.16666667	8.48E+01	8.53E+01	03:52.6	277260	8.53E+01
12/23/02 3:04:53	277320.035	77.03334306	65.18334223	8.48E+01	8.53E+01	04:52.6	277320.1	8.53E+01
12/23/02 3:05:53	277380.034	77.05000944	65.20000861	8.49E+01	8.53E+01	05:52.6	277380.1	8.53E+01
12/23/02 3:06:53	277440.043	77.06667861	65.21667778	8.49E+01	8.54E+01	06:52.6	277440.1	8.54E+01
12/23/02 3:07:53	277500.017	77.08333806	65.23333723	8.49E+01	8.54E+01	07:52.6	277500.1	8.54E+01

12/23/02 3:08:53	277560.04	77.10001111	65.25001028	8.49E+01	8.54E+01	08:52.6	277560.1	8.54E+01
12/23/02 3:09:53	277620.003	77.1166675	65.26666667	8.49E+01	8.54E+01	09:52.6	277620	8.54E+01
12/23/02 3:10:53	277680.006	77.1333335	65.28333417	8.49E+01	8.54E+01	10:52.6	277680	8.54E+01
12/23/02 3:11:53	277740.027	77.1500075	65.30000667	8.49E+01	8.54E+01	11:52.6	277740.1	8.54E+01
12/23/02 3:12:53	277800.003	77.1666675	65.31666667	8.48E+01	8.54E+01	12:52.6	277800	8.54E+01
12/23/02 3:13:53	277860.014	77.18333722	65.33333639	8.48E+01	8.53E+01	13:52.6	277860.1	8.53E+01
12/23/02 3:14:53	277920.017	77.20000472	65.35000389	8.48E+01	8.53E+01	14:52.6	277920.1	8.53E+01
12/23/02 3:15:53	277980.007	77.21666861	65.36666778	8.48E+01	8.53E+01	15:52.6	277980	8.53E+01
12/23/02 3:16:53	278040.004	77.23333444	65.38333361	8.47E+01	8.53E+01	16:52.6	278040	8.53E+01
12/23/02 3:17:53	278100.007	77.25000194	65.40000111	8.48E+01	8.53E+01	17:52.6	278100	8.53E+01
12/23/02 3:18:53	278160.024	77.26667333	65.4166725	8.48E+01	8.53E+01	18:52.6	278160.1	8.53E+01
12/23/02 3:19:53	278220.004	77.28333444	65.43333361	8.47E+01	8.53E+01	19:52.6	278220	8.53E+01
12/23/02 3:20:53	278280.003	77.30000083	65.45	8.48E+01	8.53E+01	20:52.6	278280	8.53E+01
12/23/02 3:21:53	278340.046	77.31667944	65.46667861	8.47E+01	8.53E+01	21:52.6	278340.1	8.53E+01
12/23/02 3:22:53	278400.003	77.33333417	65.48333334	8.48E+01	8.53E+01	22:52.6	278400	8.53E+01
12/23/02 3:23:53	278460.003	77.35000083	65.5	8.47E+01	8.53E+01	23:52.6	278460	8.53E+01
12/23/02 3:24:53	278520.034	77.36667811	65.51667528	8.47E+01	8.53E+01	24:52.6	278520.1	8.53E+01
12/23/02 3:25:53	278580.029	77.38334139	65.53334056	8.48E+01	8.53E+01	25:52.6	278580.1	8.53E+01
12/23/02 3:26:53	278640.04	77.40001111	65.55001028	8.48E+01	8.53E+01	26:52.6	278640.1	8.53E+01
12/23/02 3:27:53	278700.041	77.41667806	65.56667723	8.48E+01	8.53E+01	27:52.6	278700.1	8.53E+01
12/23/02 3:28:53	278760.023	77.43333972	65.58333889	8.48E+01	8.53E+01	28:52.6	278760.1	8.53E+01
12/23/02 3:29:53	278820.018	77.4500005	65.60000417	8.48E+01	8.53E+01	29:52.6	278820.1	8.53E+01
12/23/02 3:30:53	278880.017	77.46667139	65.61667056	8.49E+01	8.53E+01	30:52.6	278880.1	8.53E+01
12/23/02 3:31:53	278940.022	77.48333944	65.63333861	8.48E+01	8.53E+01	31:52.6	278940.1	8.53E+01
12/23/02 3:32:53	279000.019	77.50000528	65.65000445	8.48E+01	8.53E+01	32:52.6	279000.1	8.53E+01
12/23/02 3:33:53	279060.009	77.51666917	65.66666834	8.49E+01	8.54E+01	33:52.6	279060	8.54E+01
12/23/02 3:34:53	279120.014	77.53333722	65.68333639	8.48E+01	8.53E+01	34:52.6	279120.1	8.53E+01
12/23/02 3:35:53	279180.031	77.55000861	65.70000778	8.48E+01	8.54E+01	35:52.6	279180.1	8.54E+01
12/23/02 3:36:53	279240.044	77.56667889	65.71667806	8.47E+01	8.54E+01	36:52.6	279240.1	8.54E+01
12/23/02 3:37:53	279300.004	77.58333444	65.73333361	8.48E+01	8.53E+01	37:52.6	279300	8.53E+01
12/23/02 3:38:53	279360.029	77.60000806	65.75000723	8.48E+01	8.53E+01	38:52.6	279360.1	8.53E+01
12/23/02 3:39:53	279420.022	77.61667278	65.76667195	8.48E+01	8.54E+01	39:52.6	279420.1	8.54E+01
12/23/02 3:40:53	279480.006	77.6333335	65.78333417	8.48E+01	8.54E+01	40:52.6	279480	8.54E+01
12/23/02 3:41:53	279540.003	77.65000083	65.8	8.48E+01	8.54E+01	41:52.6	279540	8.54E+01
12/23/02 3:42:53	279600.046	77.66667944	65.81667861	8.48E+01	8.54E+01	42:52.6	279600.1	8.54E+01
12/23/02 3:43:53	279660.038	77.68334389	65.83334306	8.48E+01	8.54E+01	43:52.6	279660.1	8.54E+01
12/23/02 3:44:53	279720.045	77.7000125	65.85001167	8.48E+01	8.54E+01	44:52.6	279720.1	8.54E+01
12/23/02 3:45:53	279780.003	77.7166675	65.86666667	8.49E+01	8.54E+01	45:52.6	279780	8.54E+01
12/23/02 3:46:53	279840.003	77.73333417	65.88333334	8.49E+01	8.54E+01	46:52.6	279840	8.54E+01
12/23/02 3:47:53	279900.032	77.75000889	65.90000806	8.50E+01	8.54E+01	47:52.6	279900.1	8.54E+01
12/23/02 3:48:53	279960.03	77.766675	65.91667417	8.49E+01	8.54E+01	48:52.6	279960.1	8.54E+01
12/23/02 3:49:53	280020.013	77.78333694	65.93333611	8.49E+01	8.54E+01	49:52.6	280020.1	8.54E+01
12/23/02 3:50:53	280080.004	77.80000111	65.95000028	8.49E+01	8.54E+01	50:52.6	280080	8.54E+01
12/23/02 3:51:53	280140.003	77.8166675	65.96666667	8.49E+01	8.54E+01	51:52.6	280140	8.54E+01
12/23/02 3:52:53	280200.029	77.83334139	65.98334056	8.49E+01	8.54E+01	52:52.6	280200.1	8.54E+01
12/23/02 3:53:53	280260.026	77.85000722	66.00000639	8.48E+01	8.54E+01	53:52.6	280260.1	8.54E+01
12/23/02 3:54:53	280320.003	77.86666675	66.01666667	8.48E+01	8.53E+01	54:52.6	280320	8.53E+01
12/23/02 3:55:53	280380.008	77.88333556	66.03333473	8.48E+01	8.53E+01	55:52.6	280380	8.53E+01
12/23/02 3:56:53	280440.012	77.90000333	66.05000025	8.48E+01	8.53E+01	56:52.6	280440.1	8.53E+01
12/23/02 3:57:53	280500.021	77.9166725	66.06667167	8.48E+01	8.53E+01	57:52.6	280500.1	8.53E+01
12/23/02 3:58:53	280560.014	77.93333722	66.08333639	8.49E+01	8.53E+01	58:52.6	280560.1	8.53E+01
12/23/02 3:59:53	280620.004	77.95000111	66.10000028	8.48E+01	8.53E+01	59:52.6	280620	8.53E+01

12/23/02 4:00:53	280680.026	77.96667389	66.11667306	8.48E+01	8.53E+01	00:52.6	280680.1	8.53E+01
12/23/02 4:01:53	280740.015	77.98333375	66.13333667	8.48E+01	8.53E+01	01:52.6	280740.1	8.53E+01
12/23/02 4:02:53	280800.017	78.00000472	66.15000389	8.49E+01	8.53E+01	02:52.6	280800.1	8.53E+01
12/23/02 4:03:53	280860.008	78.01666889	66.16666806	8.48E+01	8.53E+01	03:52.6	280860.1	8.53E+01
12/23/02 4:04:53	280920.003	78.03333417	66.18333334	8.48E+01	8.53E+01	04:52.6	280920.1	8.53E+01
12/23/02 4:05:53	280980.008	78.05000222	66.20000139	8.48E+01	8.53E+01	05:52.6	280980.1	8.53E+01
12/23/02 4:06:53	281040.005	78.06666806	66.21666723	8.48E+01	8.53E+01	06:52.6	281040.1	8.53E+01
12/23/02 4:07:53	281100.015	78.08333375	66.23333667	8.48E+01	8.53E+01	07:52.6	281100.1	8.53E+01
12/23/02 4:08:53	281160.027	78.10000075	66.25000667	8.48E+01	8.54E+01	08:52.6	281160.1	8.54E+01
12/23/02 4:09:53	281220.034	78.11667611	66.26667528	8.48E+01	8.54E+01	09:52.6	281220.1	8.54E+01
12/23/02 4:10:53	281280.043	78.13334528	66.28334445	8.47E+01	8.54E+01	10:52.6	281280.1	8.54E+01
12/23/02 4:11:53	281340.042	78.15001167	66.30001084	8.48E+01	8.54E+01	11:52.6	281340.1	8.54E+01
12/23/02 4:12:53	281400.03	78.166675	66.31667417	8.49E+01	8.54E+01	12:52.6	281400.1	8.54E+01
12/23/02 4:13:53	281460.015	78.18333375	66.33333667	8.48E+01	8.54E+01	13:52.6	281460.1	8.54E+01
12/23/02 4:14:53	281520.005	78.20000139	66.35000056	8.49E+01	8.54E+01	14:52.6	281520.1	8.54E+01
12/23/02 4:15:53	281580.016	78.21667111	66.36667028	8.49E+01	8.54E+01	15:52.6	281580.1	8.54E+01
12/23/02 4:16:53	281640.003	78.23333417	66.38333334	8.49E+01	8.54E+01	16:52.6	281640.1	8.54E+01
12/23/02 4:17:53	281700.003	78.25000083	66.4	8.49E+01	8.54E+01	17:52.6	281700.1	8.54E+01
12/23/02 4:18:53	281760.011	78.26666972	66.41666889	8.49E+01	8.54E+01	18:52.6	281760.1	8.54E+01
12/23/02 4:19:53	281820.013	78.28333694	66.43333611	8.49E+01	8.54E+01	19:52.6	281820.1	8.54E+01
12/23/02 4:20:53	281880.023	78.30000639	66.45000556	8.49E+01	8.54E+01	20:52.6	281880.1	8.54E+01
12/23/02 4:21:53	281940.037	78.31667694	66.46667611	8.48E+01	8.53E+01	21:52.6	281940.1	8.53E+01
12/23/02 4:22:53	282000.039	78.33334417	66.48334334	8.48E+01	8.53E+01	22:52.6	282000.1	8.53E+01
12/23/02 4:23:53	282060.027	78.35000075	66.50000667	8.48E+01	8.53E+01	23:52.6	282060.1	8.53E+01
12/23/02 4:24:53	282120.026	78.36667389	66.51667306	8.47E+01	8.53E+01	24:52.6	282120.1	8.53E+01
12/23/02 4:25:53	282180.017	78.38333806	66.53333723	8.48E+01	8.53E+01	25:52.6	282180.1	8.53E+01
12/23/02 4:26:53	282240.015	78.40000417	66.55000334	8.48E+01	8.53E+01	26:52.6	282240.1	8.53E+01
12/23/02 4:27:53	282300.019	78.41667194	66.56667111	8.48E+01	8.54E+01	27:52.6	282300.1	8.54E+01
12/23/02 4:28:53	282360.017	78.43333806	66.58333723	8.48E+01	8.53E+01	28:52.6	282360.1	8.53E+01
12/23/02 4:29:53	282420.008	78.45000222	66.60000139	8.48E+01	8.53E+01	29:52.6	282420.1	8.53E+01
12/23/02 4:30:53	282480.003	78.46666675	66.61666667	8.49E+01	8.54E+01	30:52.6	282480.1	8.54E+01
12/23/02 4:31:53	282540.003	78.48333417	66.63333334	8.49E+01	8.54E+01	31:52.6	282540.1	8.54E+01
12/23/02 4:32:53	282600.006	78.50000167	66.65000084	8.48E+01	8.54E+01	32:52.6	282600.1	8.54E+01
12/23/02 4:33:53	282660.003	78.51666675	66.66666667	8.48E+01	8.53E+01	33:52.6	282660.1	8.53E+01
12/23/02 4:34:53	282720.003	78.53333417	66.68333334	8.48E+01	8.54E+01	34:52.6	282720.1	8.54E+01
12/23/02 4:35:53	282780.038	78.55001056	66.70000973	8.48E+01	8.54E+01	35:52.6	282780.1	8.54E+01
12/23/02 4:36:53	282840.025	78.56667361	66.71667278	8.48E+01	8.54E+01	36:52.6	282840.1	8.54E+01
12/23/02 4:37:53	282900.036	78.58334333	66.7333425	8.48E+01	8.54E+01	37:52.6	282900.1	8.54E+01
12/23/02 4:38:53	282960.034	78.60000944	66.75000861	8.49E+01	8.54E+01	38:52.6	282960.1	8.54E+01
12/23/02 4:39:53	283020.017	78.61667139	66.76667056	8.48E+01	8.54E+01	39:52.6	283020.1	8.54E+01
12/23/02 4:40:53	283080.031	78.63334194	66.78334111	8.48E+01	8.54E+01	40:52.6	283080.1	8.54E+01
12/23/02 4:41:53	283140.003	78.65000083	66.8	8.48E+01	8.54E+01	41:52.6	283140.1	8.54E+01
12/23/02 4:42:53	283200.007	78.66666861	66.81666778	8.48E+01	8.54E+01	42:52.6	283200.1	8.54E+01
12/23/02 4:43:53	283260.003	78.68333417	66.83333334	8.49E+01	8.54E+01	43:52.6	283260.1	8.54E+01
12/23/02 4:44:53	283320.007	78.70000194	66.85000111	8.49E+01	8.54E+01	44:52.6	283320.1	8.54E+01
12/23/02 4:45:53	283380.003	78.71666675	66.86666667	8.48E+01	8.54E+01	45:52.6	283380.1	8.54E+01
12/23/02 4:46:53	283440.046	78.73334611	66.88334528	8.49E+01	8.54E+01	46:52.6	283440.1	8.54E+01
12/23/02 4:47:53	283500.041	78.75001139	66.90001056	8.49E+01	8.54E+01	47:52.6	283500.1	8.54E+01
12/23/02 4:48:53	283560.037	78.76667694	66.91667611	8.49E+01	8.54E+01	48:52.6	283560.1	8.54E+01
12/23/02 4:49:53	283620.03	78.78334167	66.93334064	8.49E+01	8.54E+01	49:52.6	283620.1	8.54E+01
12/23/02 4:50:53	283680.003	78.80000083	66.95	8.49E+01	8.54E+01	50:52.6	283680.1	8.54E+01
12/23/02 4:51:53	283740.019	78.81667194	66.96667111	8.49E+01	8.54E+01	51:52.6	283740.1	8.54E+01

12/23/02 4:52:53	283800.005	78.83333472	66.98333389	8.49E+01	8.54E+01	52:52.6	283800	8.54E+01
12/23/02 4:53:53	283860.021	78.85000583	67.0000005	8.48E+01	8.54E+01	53:52.6	283860.1	8.54E+01
12/23/02 4:54:53	283920.022	78.86667278	67.01667195	8.48E+01	8.53E+01	54:52.6	283920.1	8.53E+01
12/23/02 4:55:53	283980.02	78.88333889	67.03333806	8.47E+01	8.53E+01	55:52.6	283980.1	8.53E+01
12/23/02 4:56:53	284040.009	78.90000025	67.05000167	8.48E+01	8.53E+01	56:52.6	284040	8.53E+01
12/23/02 4:57:53	284100.043	78.91667861	67.06667778	8.49E+01	8.53E+01	57:52.6	284100.1	8.53E+01
12/23/02 4:58:53	284160.042	78.9333345	67.08334417	8.48E+01	8.54E+01	58:52.6	284160.1	8.54E+01
12/23/02 4:59:53	284220.043	78.95001194	67.10001111	8.49E+01	8.53E+01	59:52.6	284220.1	8.53E+01
12/23/02 5:00:53	284280.038	78.96667722	67.11667639	8.48E+01	8.54E+01	00:52.6	284280.1	8.54E+01
12/23/02 5:01:53	284340.032	78.98334222	67.13334139	8.48E+01	8.54E+01	01:52.6	284340.1	8.54E+01
12/23/02 5:02:53	284400.039	79.00001083	67.15001	8.43E+01	8.53E+01	02:52.6	284400.1	8.53E+01
12/23/02 5:03:53	284460.034	79.01667611	67.16667528	8.41E+01	8.53E+01	03:52.6	284460.1	8.53E+01
12/23/02 5:04:53	284520.021	79.03333917	67.18333834	8.38E+01	8.52E+01	04:52.6	284520.1	8.52E+01
12/23/02 5:05:53	284580.009	79.05000025	67.20000167	8.36E+01	8.51E+01	05:52.6	284580	8.51E+01
12/23/02 5:06:53	284640.016	79.06667111	67.21667028	8.27E+01	8.50E+01	06:52.6	284640.1	8.50E+01
12/23/02 5:07:53	284700.015	79.08333375	67.23333667	8.15E+01	8.48E+01	07:52.6	284700.1	8.48E+01
12/23/02 5:08:53	284760.012	79.10000333	67.25000025	8.10E+01	8.45E+01	08:52.6	284760.1	8.45E+01
12/23/02 5:09:53	284820.009	79.11666917	67.26666834	8.06E+01	8.43E+01	09:52.6	284820.1	8.43E+01
12/23/02 5:10:53	284880.007	79.13333528	67.28333445	8.01E+01	8.40E+01	10:52.6	284880	8.40E+01
12/23/02 5:11:53	284940.006	79.15000167	67.30000084	7.94E+01	8.38E+01	11:52.6	284940	8.38E+01
12/23/02 5:12:53	285000.043	79.16667861	67.31667778	7.88E+01	8.34E+01	12:52.6	285000.1	8.34E+01
12/23/02 5:13:53	285060.036	79.18334333	67.3333425	7.81E+01	8.31E+01	13:52.6	285060.1	8.31E+01
12/23/02 5:14:53	285120.025	79.20000694	67.35000611	7.76E+01	8.27E+01	14:52.6	285120.1	8.27E+01
12/23/02 5:15:53	285180.013	79.21667028	67.36666945	7.70E+01	8.23E+01	15:52.6	285180.1	8.23E+01
12/23/02 5:16:53	285240.014	79.23333722	67.38333639	7.62E+01	8.19E+01	16:52.6	285240.1	8.19E+01
12/23/02 5:17:53	285300.013	79.25000361	67.40000278	7.56E+01	8.15E+01	17:52.6	285300.1	8.15E+01
12/23/02 5:18:53	285360.01	79.26666944	67.41666861	7.51E+01	8.11E+01	18:52.6	285360	8.11E+01
12/23/02 5:19:53	285420.048	79.28334667	67.43334584	7.44E+01	8.07E+01	19:52.6	285420.1	8.07E+01
12/23/02 5:20:53	285480.045	79.3000125	67.45001167	7.39E+01	8.02E+01	20:52.6	285480.1	8.02E+01
12/23/02 5:21:53	285540.003	79.3166675	67.46666667	7.31E+01	7.97E+01	21:52.6	285540	7.97E+01
12/23/02 5:22:53	285600.046	79.33334611	67.48334528	7.25E+01	7.92E+01	22:52.6	285600.1	7.92E+01
12/23/02 5:23:53	285660.008	79.35000222	67.50000139	7.18E+01	7.88E+01	23:52.6	285660	7.88E+01
12/23/02 5:24:53	285720.006	79.36666833	67.5166675	7.12E+01	7.83E+01	24:52.6	285720	7.83E+01
12/23/02 5:25:53	285780.003	79.38333417	67.53333334	7.05E+01	7.78E+01	25:52.6	285780	7.78E+01
12/23/02 5:26:53	285840.008	79.40000222	67.55000139	6.97E+01	7.72E+01	26:52.6	285840	7.72E+01
12/23/02 5:27:53	285900.043	79.41667861	67.56667778	6.91E+01	7.66E+01	27:52.6	285900.1	7.66E+01
12/23/02 5:28:53	285960.023	79.43333972	67.58333889	6.85E+01	7.61E+01	28:52.6	285960.1	7.61E+01
12/23/02 5:29:53	286020.01	79.45000278	67.60000195	6.78E+01	7.56E+01	29:52.6	286020.1	7.56E+01
12/23/02 5:30:53	286080.009	79.46666817	67.61666834	6.73E+01	7.50E+01	30:52.6	286080.1	7.50E+01
12/23/02 5:31:53	286140.003	79.48333417	67.63333334	6.65E+01	7.45E+01	31:52.6	286140	7.45E+01
12/23/02 5:32:53	286200.026	79.50000722	67.65000639	6.57E+01	7.39E+01	32:52.6	286200.1	7.39E+01
12/23/02 5:33:53	286260.011	79.51666972	67.66666889	6.51E+01	7.34E+01	33:52.6	286260.1	7.34E+01
12/23/02 5:34:53	286320.031	79.53334194	67.68334111	6.43E+01	7.28E+01	34:52.6	286320.1	7.28E+01
12/23/02 5:35:53	286380.004	79.55000111	67.70000028	6.36E+01	7.23E+01	35:52.6	286380	7.23E+01
12/23/02 5:36:53	286440.017	79.56667139	67.71667056	6.30E+01	7.17E+01	36:52.6	286440.1	7.17E+01
12/23/02 5:37:53	286500.039	79.58334417	67.73334334	6.24E+01	7.11E+01	37:52.6	286500.1	7.11E+01
12/23/02 5:38:53	286560.003	79.60000083	67.75	6.19E+01	7.04E+01	38:52.6	286560	7.04E+01
12/23/02 5:39:53	286620.012	79.61667	67.76666917	6.10E+01	6.99E+01	39:52.6	286620.1	6.99E+01
12/23/02 5:40:53	286680.01	79.63333611	67.78333528	6.06E+01	6.94E+01	40:52.6	286680	6.94E+01
12/23/02 5:41:53	286740.009	79.65000025	67.80000167	5.98E+01	6.88E+01	41:52.6	286740	6.88E+01
12/23/02 5:42:53	286800.003	79.6666675	67.81666667	5.91E+01	6.82E+01	42:52.6	286800	6.82E+01
12/23/02 5:43:53	286860.031	79.68334194	67.83334111	5.85E+01	6.76E+01	43:52.6	286860.1	6.76E+01

12/23/02 5:44:53	286920.018	79.700005	67.85000417	5.78E+01	6.69E+01	44:52.6	286920.1	5.69E+01
12/23/02 5:45:53	286980.023	79.71667306	67.86667223	5.70E+01	6.64E+01	45:52.6	286980.1	6.64E+01
12/23/02 5:46:53	287040.022	79.73333944	67.88333861	5.65E+01	6.58E+01	46:52.6	287040.1	6.58E+01
12/23/02 5:47:53	287100.015	79.75000417	67.90000334	5.61E+01	6.52E+01	47:52.6	287100.1	6.52E+01
12/23/02 5:48:53	287160.015	79.76667083	67.91667	5.58E+01	6.46E+01	48:52.6	287160.1	6.46E+01
12/23/02 5:49:53	287220.022	79.78333944	67.93333861	5.60E+01	6.40E+01	49:52.6	287220.1	6.40E+01
12/23/02 5:50:53	287280.017	79.80000472	67.95000389	5.59E+01	6.35E+01	50:52.6	287280.1	6.35E+01
12/23/02 5:51:53	287340.01	79.81666944	67.96666861	5.57E+01	6.32E+01	51:52.6	287340	6.32E+01
12/23/02 5:52:53	287400.019	79.83333861	67.98333778	5.57E+01	6.27E+01	52:52.6	287400.1	6.27E+01
12/23/02 5:53:53	287460.022	79.85000611	68.00000528	5.57E+01	6.24E+01	53:52.6	287460.1	6.24E+01
12/23/02 5:54:53	287520.025	79.86667361	68.01667278	5.56E+01	6.20E+01	54:52.6	287520.1	6.20E+01
12/23/02 5:55:53	287580.015	79.88333375	68.03333667	5.53E+01	6.17E+01	55:52.6	287580.1	6.17E+01
12/23/02 5:56:53	287640.029	79.90000806	68.05000723	5.51E+01	6.13E+01	56:52.6	287640.1	6.13E+01
12/23/02 5:57:53	287700.034	79.91667611	68.06667528	5.51E+01	6.10E+01	57:52.6	287700.1	6.10E+01
12/23/02 5:58:53	287760.036	79.93334333	68.0833425	5.50E+01	6.08E+01	58:52.6	287760.1	6.08E+01
12/23/02 5:59:53	287820.031	79.95000861	68.10000778	5.49E+01	6.05E+01	59:52.6	287820.1	6.05E+01
12/23/02 6:00:53	287880.034	79.96667611	68.11667528	5.49E+01	6.02E+01	00:52.6	287880.1	6.02E+01
12/23/02 6:01:53	287940.039	79.98334417	68.13334334	5.49E+01	5.99E+01	01:52.6	287940.1	5.99E+01
12/23/02 6:02:53	288000.04	80.00001111	68.15001028	5.48E+01	5.98E+01	02:52.6	288000.1	5.98E+01
12/23/02 6:03:53	288060.039	80.0166775	68.16667667	5.47E+01	5.95E+01	03:52.6	288060.1	5.95E+01
12/23/02 6:04:53	288120.003	80.0333417	68.18333334	5.47E+01	5.92E+01	04:52.6	288120	5.92E+01
12/23/02 6:05:53	288180.023	80.05000639	68.20000556	5.47E+01	5.90E+01	05:52.6	288180.1	5.90E+01
12/23/02 6:06:53	288240.009	80.06666917	68.21666834	5.46E+01	5.89E+01	06:52.6	288240	5.89E+01
12/23/02 6:07:53	288300.018	80.08333833	68.2333375	5.46E+01	5.87E+01	07:52.6	288300.1	5.87E+01
12/23/02 6:08:53	288360.013	80.10000361	68.25000278	5.46E+01	5.85E+01	08:52.6	288360.1	5.85E+01
12/23/02 6:09:53	288420.016	80.11667111	68.26667028	5.46E+01	5.84E+01	09:52.6	288420.1	5.84E+01
12/23/02 6:10:53	288480.011	80.13333639	68.28333556	5.46E+01	5.82E+01	10:52.6	288480.1	5.82E+01
12/23/02 6:11:53	288540.042	80.15001167	68.30001084	5.46E+01	5.81E+01	11:52.6	288540.1	5.81E+01
12/23/02 6:12:53	288600.03	80.166675	68.31667417	5.46E+01	5.80E+01	12:52.6	288600.1	5.80E+01
12/23/02 6:13:53	288660.047	80.18334639	68.33334556	5.46E+01	5.79E+01	13:52.6	288660.1	5.79E+01
12/23/02 6:14:53	288720.024	80.20000667	68.35000584	5.46E+01	5.78E+01	14:52.6	288720.1	5.78E+01
12/23/02 6:15:53	288780.011	80.21666972	68.36666889	5.46E+01	5.76E+01	15:52.6	288780.1	5.76E+01
12/23/02 6:16:53	288840.003	80.2333417	68.38333334	5.45E+01	5.76E+01	16:52.6	288840	5.76E+01
12/23/02 6:17:53	288900.045	80.2500125	68.40001167	5.46E+01	5.75E+01	17:52.6	288900.1	5.75E+01
12/23/02 6:18:53	288960.038	80.26667722	68.41667639	5.46E+01	5.74E+01	18:52.6	288960.1	5.74E+01
12/23/02 6:19:53	289020.021	80.28333917	68.43333834	5.45E+01	5.72E+01	19:52.6	289020.1	5.72E+01
12/23/02 6:20:53	289080.028	80.30000778	68.45000695	5.45E+01	5.72E+01	20:52.6	289080.1	5.72E+01
12/23/02 6:21:53	289140.012	80.31667	68.46666917	5.45E+01	5.71E+01	21:52.6	289140.1	5.71E+01
12/23/02 6:22:53	289200.013	80.33333694	68.48333611	5.45E+01	5.70E+01	22:52.6	289200.1	5.70E+01
12/23/02 6:23:53	289260.026	80.35000722	68.50000639	5.45E+01	5.69E+01	23:52.6	289260.1	5.69E+01
12/23/02 6:24:53	289320.015	80.36667083	68.51667	5.45E+01	5.69E+01	24:52.6	289320.1	5.69E+01
12/23/02 6:25:53	289380.018	80.38333833	68.5333375	5.45E+01	5.68E+01	25:52.6	289380.1	5.68E+01
12/23/02 6:26:53	289440.003	80.40000803	68.55	5.44E+01	5.67E+01	26:52.6	289440	5.67E+01
12/23/02 6:27:53	289500.013	80.41667028	68.56666945	5.44E+01	5.67E+01	27:52.6	289500.1	5.67E+01
12/23/02 6:28:53	289560.034	80.43334278	68.58334195	5.44E+01	5.66E+01	28:52.6	289560.1	5.66E+01
12/23/02 6:29:53	289620.047	80.45001306	68.60001223	5.44E+01	5.65E+01	29:52.6	289620.1	5.65E+01
12/23/02 6:30:53	289680.008	80.46666889	68.61666806	5.44E+01	5.65E+01	30:52.6	289680	5.65E+01
12/23/02 6:31:53	289740.017	80.48333806	68.63333723	5.44E+01	5.64E+01	31:52.6	289740.1	5.64E+01
12/23/02 6:32:53	289800.034	80.50000944	68.65000861	5.44E+01	5.64E+01	32:52.6	289800.1	5.64E+01
12/23/02 6:33:53	289860.043	80.51667861	68.66667778	5.45E+01	5.63E+01	33:52.6	289860.1	5.63E+01
12/23/02 6:34:53	289920.003	80.53333417	68.68333334	5.44E+01	5.62E+01	34:52.6	289920	5.62E+01
12/23/02 6:35:53	289980.003	80.55000083	68.7	5.43E+01	5.62E+01	35:52.6	289980	5.62E+01

12/23/02 6:36:53	290040.048	80.56668	68.71667917	5.43E+01	5.61E+01	36:52.6	290040.1	5.61E+01
12/23/02 6:37:53	290100.047	80.58334639	68.73334556	5.43E+01	5.60E+01	37:52.6	290100.1	5.60E+01
12/23/02 6:38:53	290160.045	80.6000125	68.75001167	5.43E+01	5.60E+01	38:52.6	290160.1	5.60E+01
12/23/02 6:39:53	290220.034	80.81667611	68.76667528	5.43E+01	5.60E+01	39:52.6	290220.1	5.60E+01
12/23/02 6:40:53	290280.041	80.63334472	68.78334389	5.43E+01	5.60E+01	40:52.6	290280.1	5.60E+01
12/23/02 6:41:53	290340.017	80.65000472	68.80000389	5.43E+01	5.59E+01	41:52.6	290340.1	5.59E+01
12/23/02 6:42:53	290400.003	80.6666675	68.81666667	5.43E+01	5.59E+01	42:52.6	290400	5.59E+01
12/23/02 6:43:53	290460.01	80.68333611	68.83333528	5.43E+01	5.58E+01	43:52.6	290460	5.58E+01
12/23/02 6:44:53	290520.047	80.70001306	68.85001223	5.43E+01	5.58E+01	44:52.6	290520.1	5.58E+01
12/23/02 6:45:53	290580.029	80.71667472	68.86667389	5.43E+01	5.57E+01	45:52.6	290580.1	5.57E+01
12/23/02 6:46:53	290640.04	80.73334444	68.88334361	5.43E+01	5.57E+01	46:52.6	290640.1	5.57E+01
12/23/02 6:47:53	290700.003	80.75000083	68.9	5.43E+01	5.57E+01	47:52.6	290700	5.57E+01
12/23/02 6:48:53	290760.042	80.76667833	68.9166775	5.43E+01	5.57E+01	48:52.6	290760.1	5.57E+01
12/23/02 6:49:53	290820.045	80.78334583	68.933345	5.43E+01	5.57E+01	49:52.6	290820.1	5.57E+01
12/23/02 6:50:53	290880.042	80.80001167	68.95001084	5.44E+01	5.57E+01	50:52.6	290880.1	5.57E+01
12/23/02 6:51:53	290940.034	80.81667611	68.96667528	5.44E+01	5.57E+01	51:52.6	290940.1	5.57E+01
12/23/02 6:52:53	291000.035	80.83334306	68.98334223	5.44E+01	5.56E+01	52:52.6	291000.1	5.56E+01
12/23/02 6:53:53	291060.044	80.85001222	69.00001139	5.44E+01	5.56E+01	53:52.6	291060.1	5.56E+01
12/23/02 6:54:53	291120.043	80.86667861	69.01667778	5.43E+01	5.55E+01	54:52.6	291120.1	5.55E+01
12/23/02 6:55:53	291180.034	80.88334278	69.03334195	5.43E+01	5.55E+01	55:52.6	291180.1	5.55E+01
12/23/02 6:56:53	291240.034	80.90000944	69.05000861	5.43E+01	5.55E+01	56:52.6	291240.1	5.55E+01
12/23/02 6:57:53	291300.029	80.91667472	69.06667389	5.43E+01	5.54E+01	57:52.6	291300.1	5.54E+01
12/23/02 6:58:53	291360.028	80.93334111	69.08334028	5.43E+01	5.54E+01	58:52.6	291360.1	5.54E+01
12/23/02 6:59:53	291420.033	80.95000917	69.10000834	5.42E+01	5.54E+01	59:52.6	291420.1	5.54E+01
12/23/02 7:00:53	291480.003	80.9666675	69.11666667	5.43E+01	5.54E+01	00:52.6	291480	5.54E+01
12/23/02 7:01:53	291540.043	80.98334528	69.13334445	5.43E+01	5.54E+01	01:52.6	291540.1	5.54E+01
12/23/02 7:02:53	291600.038	81.00001056	69.15000973	5.42E+01	5.53E+01	02:52.6	291600.1	5.53E+01
12/23/02 7:03:53	291660.006	81.01666833	69.1666675	5.43E+01	5.54E+01	03:52.6	291660	5.54E+01
12/23/02 7:04:53	291720.029	81.03334139	69.18334056	5.43E+01	5.53E+01	04:52.6	291720.1	5.53E+01
12/23/02 7:05:53	291780.043	81.05001194	69.20001111	5.43E+01	5.53E+01	05:52.6	291780.1	5.53E+01
12/23/02 7:06:53	291840.026	81.06667389	69.21667306	5.43E+01	5.53E+01	06:52.6	291840.1	5.53E+01
12/23/02 7:07:53	291900.039	81.08334417	69.23334334	5.44E+01	5.53E+01	07:52.6	291900.1	5.53E+01
12/23/02 7:08:53	291960.028	81.10000778	69.25000695	5.44E+01	5.53E+01	08:52.6	291960.1	5.53E+01
12/23/02 7:09:53	292020.037	81.11667694	69.26667611	5.43E+01	5.52E+01	09:52.6	292020.1	5.52E+01
12/23/02 7:10:53	292080.013	81.13333694	69.28333611	5.43E+01	5.52E+01	10:52.6	292080.1	5.52E+01
12/23/02 7:11:53	292140.004	81.15000111	69.30000028	5.42E+01	5.52E+01	11:52.6	292140	5.52E+01
12/23/02 7:12:53	292200.003	81.1666675	69.31666667	5.42E+01	5.52E+01	12:52.6	292200	5.52E+01
12/23/02 7:13:53	292260.003	81.18333417	69.33333334	5.43E+01	5.51E+01	13:52.6	292260	5.51E+01
12/23/02 7:14:53	292320.046	81.20001278	69.35001195	5.43E+01	5.52E+01	14:52.6	292320.1	5.52E+01
12/23/02 7:15:53	292380.035	81.21667639	69.36667556	5.43E+01	5.51E+01	15:52.6	292380.1	5.51E+01
12/23/02 7:16:53	292440.027	81.23334083	69.38334	5.43E+01	5.51E+01	16:52.6	292440.1	5.51E+01
12/23/02 7:17:53	292500.02	81.25000556	69.40000473	5.42E+01	5.51E+01	17:52.6	292500.1	5.51E+01
12/23/02 7:18:53	292560.015	81.26667083	69.41667	5.43E+01	5.51E+01	18:52.6	292560.1	5.51E+01
12/23/02 7:19:53	292620.042	81.283345	69.43334417	5.43E+01	5.51E+01	19:52.6	292620.1	5.51E+01
12/23/02 7:20:53	292680.013	81.30000361	69.45000278	5.42E+01	5.51E+01	20:52.6	292680.1	5.51E+01
12/23/02 7:21:53	292740.024	81.31667333	69.4666725	5.43E+01	5.51E+01	21:52.6	292740.1	5.51E+01
12/23/02 7:22:53	292800.031	81.33334194	69.48334111	5.43E+01	5.51E+01	22:52.6	292800.1	5.51E+01
12/23/02 7:23:53	292860.03	81.35000833	69.5000075	5.43E+01	5.50E+01	23:52.6	292860.1	5.50E+01
12/23/02 7:24:53	292920.006	81.36666833	69.5166675	5.42E+01	5.50E+01	24:52.6	292920	5.50E+01
12/23/02 7:25:53	292980.003	81.38333417	69.53333334	5.42E+01	5.50E+01	25:52.6	292980	5.50E+01
12/23/02 7:26:53	293040.02	81.40000556	69.55000473	5.42E+01	5.50E+01	26:52.6	293040.1	5.50E+01
12/23/02 7:27:53	293100.003	81.4166675	69.56666667	5.43E+01	5.50E+01	27:52.6	293100	5.50E+01

12/23/02 7:28:53	293160.003	81.43333417	69.58333334	5.43E+01	5.50E+01	28:52.6	293160	5.50E+01
12/23/02 7:29:53	293220.045	81.4500125	69.60001167	3.55E+01	5.48E+01	29:52.6	293220.1	5.49E+01
12/23/02 7:30:53	293280.025	81.46667361	69.61667278	3.52E+01	5.46E+01	30:52.6	293280.1	5.46E+01
12/23/02 7:31:53	293340.003	81.48333417	69.63333334	3.49E+01	5.42E+01	31:52.6	293340	5.42E+01
12/23/02 7:32:53	293400.003	81.50000083	69.65	3.40E+01	5.38E+01	32:52.6	293400	5.38E+01
12/23/02 7:33:53	293460.003	81.5166675	69.66666667	3.34E+01	5.33E+01	33:52.6	293460	5.33E+01
12/23/02 7:34:53	293520.019	81.53333861	69.68333778	2.64E+01	4.99E+01	34:52.6	293520.1	4.99E+01
12/23/02 7:35:53	293580.003	81.55000083	69.7	3.04E+01	5.05E+01	35:52.6	293580	5.05E+01
12/23/02 7:36:53	293640.008	81.56666889	69.71666806	3.01E+01	3.58E+01	36:52.6	293640	3.58E+01

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

Tested By: R. H. H. H.

DATE: 12/20/02

Beacon P3-03-0041-001

Serial Number: 2007

SS HIGH TEMP TEST DO 204

2.3, 2.2 AWO 00183 2.3.1, 2

~~AWT B = 91W 0059~~ 2.3, 2.6 GELP TEST
HAT

START BEACON 9:03AM

12/24/03 DATA

@ 9:08AM

AWT A = NOT USED UNIT CONNECTED TO TEST EQ
AWT B = 91W 0059

Test Equipment	Model	Serial No. or Control No.	Cal. Due
SPECTAN	HP 8568B	OR3063	9/18/03
GENERATOR	HP 8656B	OR1091	5/18/03
MODAWA #1	HP 8901B	6R1093	11/30/03
SLOPE	HP 54510B	OR0627	8/29/03
MODAWA #2 (for sensor)	HP 8901B	31N 3704A0571	12/11/03
Power sensor	HP 8481A	OR092	1/29/03

AWT A = N/A
AWT B = 0059
DIG = 0016
RF = 0002
PART = 02042
N/A



(K)

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

SPECTRUM ANALYZER OFFSET DETERMINATION AND PRETEST					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
3.3	HP8656 setting for 121.5MHZ	-0.5	+ 0.3 dBm	+0.5	P F
3.4	HP8656 setting for 243 MHZ	-0.5	+ 0.3 dBm	+0.5	P F
3.5	HP8656 setting for 406.028 MHZ	-0.5	+ 0.3 dBm	+0.5	P F

ORL
SQ001
DME

BIST and turn on tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.1.1	Beacon passes self test and goes off	N/A	✓ chk	N/A	P F
4.1.2	Beacon stays off	N/A	✓ chk	N/A	P F
4.1.3	Beacon transmits when B antenna is touched. <i>POT IN WATER RIGHT</i>	N/A	✓ chk	N/A	P F
4.1.4	Beacon goes off when magnet is installed.	N/A	N/A * chk	N/A	P F
4.1.5	Beacon transmits when A antenna is touched.	N/A	N/A * chk	N/A	P F
4.1.6	Beacon goes off when magnet is installed.	N/A	N/A * chk	N/A	P F

ORL
SQ001
DME

* EQUIPMENT CONNECTED TO ANT A,

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

RF beacon 121.5/243 Mhz Tests

Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.2.1	Peak Power at 121.5 MHZ	17.0dBm	<u>20.1</u> dBm	N/A	<u>P</u> F
	Antenna gain including feeder and mismatch losses for 121.5 Mhz obtained from antenna field tests.	N/A	<u>-1.0</u> dB <u>N/A</u>	N/A	N/A
	Peak power + antenna gain= EIRP	<u>17.0</u> dBm EIRP	<u>19.1</u> dBm <u>N/A</u>	N/A	P <u>F</u>
4.2.2	Frequency 121.5 MHz $\pm$ 6 kHz	121.494	<u>121.5014</u> MHz	121.506	P <u>F</u>
4.2.3	Peak Power at 243 MHZ	17.0dBm	<u>20.9</u> dBm	N/A	P <u>F</u>
	Antenna gain including feeder and mismatch losses for 243 Mhz obtained from antenna field tests.	N/A	<u>3.7</u> dB <u>N/A</u>	N/A	N/A
	Peak power + antenna gain= EIRP	<u>20.7</u> dBm EIRP	<u>24.6</u> dBm <u>N/A</u>	N/A	P <u>F</u>
4.2.4	Frequency 243 MHz $\pm$ 12 kHz	242.988	<u>243.0024</u> MHz	243.012	P <u>F</u>
4.2.5	121.5 Mhz Modulation depth	N/A	<u>-41</u> dBc	-22dBc	P <u>F</u>
4.2.6	121.5 /243 Mhz Duty cycle	45%	<u>61.5</u> %	67%	P <u>F</u>
4.2.7	Max audio frequency	N/A	<u>1503</u> Hz	1600	P <u>F</u>
	Min audio frequency	300	<u>336</u> Hz	N/A	P <u>F</u>
	Max - Min	<u>N/A</u> 700	<u>1167</u> Hz	<u>700</u> N/A	P <u>F</u>
4.2.8	Sweeps in 10 seconds	20	<u>30</u> count	40	P <u>F</u>

ORL
SQ001
DME

6830 N.W. 16th Terrace, Fort Lauderdale, FL 33309
(954) 975-2100 *Fax (954) 979-3313 * www.dmecorp.com



TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

RF beacon 406.028 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.3.1	Peak Power at 406.028 MHZ	35.0dBm	<u>36.0</u> dBm	N/A	P F
	Antenna gain including feeder and mismatch losses for 406.028 Mhz obtained from antenna field tests.	N/A	<u>0.15</u> dB <u>N/A</u>	N/A	N/A
	Peak power + antenna gain= EIRP	32.0dbm EIRP	<u>36.15</u> dBm <u>N/A</u>	N/A	P F
4.3.2	Frequency Accuracy 406.028 MHz $\pm$ 1 kHz	406.0270	<u>406.0283</u> mHz	406.0290	P F

ORL
SQ001
DME
[Signature]

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

HIGH TEMP TEST 00204-2.3,2.2
+55°C 00183-2.3,1.2

Tested By: [Signature]

DATE: 12/20/02 START BEACON SIN 2007 @ 9:03AM

RF PCB (A3-07-0039) Serial Number: THUE 12/243/406 DATA @ 9:18AM
0002

DIGITAL PCB (A3-07-0038) Serial Number: 0046

Test Equipment	Model	Serial No. or Control No.	Cal. Due
SPECAN	HP568B	0R3063	9/18/03
GENERATOR	HP8656B	0R1091	5/18/03
MODANA #1	HP8901B	0R1093	1/30/03
SLOPE	HP54510B	0R0627	8/29/03
TIME+FREQ AWA	HP5371A	2842A00760	6/11/03
MODANA #2 (FOR SENSING)	HP8901B	SIN 3704A0571	2/11/03
POWER SENSOR	HP8481A	0R1092	1/29/03
D			

ORL
SCOT
ONE
[Signature]

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

SPECTRUM ANALYZER OFFSET DETERMINATION AND PRETEST					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
3.3	HP8656 setting for 121.5MHZ	-0.5	<u>+0.3</u> dBm	+0.5	P F
3.4	HP8656 setting for 243 MHZ	-0.5	<u>+0.3</u> dBm	+0.5	P F
3.5	HP8656 setting for 406.028 MHZ	-0.5	<u>+0.3</u> dBm	+0.5	P F

ORL
SQ01
DME

KY

RF beacon 121.5/243 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.1.1	Peak Power at 121.5 MHZ	17.0dBm	<u>19.8</u> dBm	N/A	P F
	UUT current during 121.5/243 Mhz broadcast	N/A	<u>N/A</u> mA	100mA	P F
4.1.2	Frequency 121.5 MHZ $\pm$ 6 kHz	121.494	<u>121.5013</u> MHz	121.506	P F
4.1.3	121.5 MHz Bandwidth $\geq$ +12.5 kHz	N/A	<u>-29.4</u> dBc	-25dBc	P F
	121.5 MHz Bandwidth $\leq$ -12.5 kHz	N/A	<u>-29.6</u> dBc	-25dBc	P F
	121.5 MHz Bandwidth $\geq$ +25 kHz	N/A	<u>-34.4</u> dBc	-30dBc	P F
	121.5 MHz Bandwidth $\leq$ -25 kHz	N/A	<u>-34.4</u> dBc	-30dBc	P F
4.1.4	Peak Power at 243 MHZ	17.0dBm	<u>20.6</u> dBm	N/A	P F
4.1.5	Frequency 243 MHZ $\pm$ 12 kHz	242.988	<u>243.0023</u> MHz	243.012	P F
4.1.6	243 MHz Bandwidth $\geq$ +12.5 kHz	N/A	<u>-30.1</u> dBc	-25dBc	P F
	243 MHz Bandwidth $\leq$ -12.5 kHz	N/A	<u>-29.9</u> dBc	-25dBc	P F
	243 MHz Bandwidth $\geq$ +25 kHz	N/A	<u>-34.6</u> dBc	-30dBc	P F
	243 MHz Bandwidth $\leq$ -25 kHz	N/A	<u>-34.9</u> dBc	-30dBc	P F
4.1.7	121.5 Mhz Modulation depth	N/A	<u>-63</u> dBc	-22dBc	P F
4.1.8	364.5 MHz harmonic	N/A	<u>-49.3</u> dBc	-30dBc	P F
	486 MHz harmonic	N/A	<u>-52.0</u> dBc	-30dBc	P F
4.1.9	121.5 /243 Mhz Duty cycle	45%	<u>61.2</u> %	67%	P F

* ON BATTERY

ORL
SQ01
DME

KY

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

RF beacon 406.028 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.2.1	Peak Power at 406.028 MHz	35.0dBm	<u>35.8</u> dBm	39.0dbm	P F
	UUT peak current during 406 Mhz broadcast	N/A	<u>N/A</u> A	1.7A	P F
4.2.2	406.028 MHz Bandwidth $\geq +12.0$ kHz	N/A	<u>-39.2</u> dBc	-30dBc	P F
	406.028 MHz Bandwidth ≤ -12.0 kHz	N/A	<u>-40.2</u> dBc	-30dBc	P F
	406.028 MHz Bandwidth $\geq +24$ kHz	N/A	<u>-30.0</u> dBc	-40dBc	P F
	406.028 MHz Bandwidth ≤ -24 kHz	N/A	<u>-47.7</u> dBc	-40dBc	P F
4.2.3	812 MHz harmonic	N/A	<u>-43.0</u> dBc	-30dBc	P F
4.2.4	406 pulse falling (starting edge) time	0.3	<u>0.826</u> msec	5.0	P F
4.2.5	406 pulse rising (stopping edge) time	0.3	<u>1.39</u> msec	5.0	P F
4.2.6	Total transmission pulse time measured with diode detector.	435.6	<u>442.29</u> msec	444.4	P F
4.2.7	Total transmission time burst spacing measured with diode detector.	47.5	<u>50.44</u> sec	52.5	P F
4.2.9	Phase modulation +1.10 radian peak	1.00	<u>1.135</u> Rad	1.20	P F
4.2.10	Phase modulation -1.10 radian peak	-1.20	<u>-1.050</u> Rad	-1.00	P F
4.2.11	Phase modulation rise time	50usec	<u>157.6</u> usec	250 usec	P F
4.2.12	Phase modulation fall time	50usec	<u>153.8</u> usec	250 usec	P F
4.2.13	Phase modulation rise/fall symmetry	N/A	<u>0.180</u> ratio	0.05	P F
4.2.14	Modulation Bit rate 400 bits/sec	396.0	<u>401.07</u> Hz	404.0	P F
4.2.15	CW preamble time	158.4	<u>160.823</u> msec	161.6	P F
4.2.16	NOAA HEX ID ID/SN matches programmed in	N/A	<u>ADDC07C01440401</u>	N/A	P F
4.2.17	Frequency Accuracy 406.028 MHz ± 1 kHz	406.0270	<u>406.028158</u> mHz	406.0290	P F
4.2.18	Short term stability	-2e-9	<u>17340⁻¹²</u> n/a	2e-9	P F
4.2.19	medium term residual variation	-3e-9	<u>915810⁻¹²</u> n/a	3e-9	P F
4.2.20	medium term slope	-1e-9	<u>645810⁻¹²</u> n/a	1e-9	P F

* ON BATTERY



TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

BIST ,activation and B antenna output power tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.3.2	Beacon stays off	N/A	_____ chk	N/A	P F
4.3.3	Beacon passes self test and goes off	N/A	_____ chk	N/A	P F
4.3.4	Beacon transmits when load is connected to B antenna	N/A	_____ chk	N/A	P F
4.3.6 (-002 version only)	Peak Power at 121.5 MHZ	17.0dBm	_____ dBm	N/A	P F
4.3.7 (-002 version only)	Peak Power at 243 MHZ	17.0dBm	_____ dBm	N/A	P F
4.3.8 (-002 version only)	Peak Power at 406.028 MHZ	35.0dBm	_____ dBm	39.0dBm	P F

N/A

TEST CONTINUES
UNINTERRUPTED, ON BATTERY
M. H. M. H.



TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

Beacon Calibration factor recording				
Para.	Description	Under 0 deg c	0 to 35 deg c	Over 35 deg c
4.4.4	12 volt gain settings for 121/243 power (Q1 location)			
4.4.5	12 volt gain settings for 406 power (Q3 location)			
4.4.6	406 phase modulation +1.1 radian (Q5 location)			
	406 phase modulation 0.0 radian (Q5 location)			
	406 phase modulation -1.1 radian (Q5 location)			
4.4.7	406 gain A (Q7 location)			
4.4.8	406 gain B (Q9 location)			
Para.	Description	N/A	Time in msec	N/A
4.4.9	Preamble time. (Q11 location)	N/A		N/A
Para.	Description	Over voltage mode	Nominal voltage	Undervoltage mode
4.4.10	406 gain B offset (Q13 location)			
Para.	Description	Over voltage mode	N/A	Undervoltage mode
4.4.11	Battery threshold (Q15 location)		N/A	

N/A TESTS CONTINUES
UNINTERRUPTED ON BATTERY

[Handwritten signature]



[Handwritten initials]

BEACON SN 2007_12_20_02_hightempstart
 TIME START 9:18:08 AM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.80

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.60

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -55.30

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.12241E-010

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.37741E+02
 AUDIO FREQ HIGH PASS AT +1.51078E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-29.90
-30DB MAX VALUE FOR 25.0K TO 44.00K	25400	-34.40
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26700	-34.40

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-30.10
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-34.60
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.90
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-34.90

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-25.20
-30DB MAX VALUE FOR 7K TO 11.99K	7040	-35.00
-35DB MAX VALUE FOR 12K TO 23.99K	16780	-39.20

INITIAL DATA CTS
 WITH ALIVENESS
 DATA TAKEN
 EVERY HOUR
 (REQUIREMENT EVERY
 6 HRS) 

DATA TRANSCRIBED
 TO DATA
 41-02-1093

-40DB MAX VALUE FOR 24K TO 25K	25040	-50.00
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.40
-30DB MAX VALUE FOR -7K TO -11.99K	-7340	-35.50
-35DB MAX VALUE FOR -12K TO -23.99K	-16830	-40.20
-40DB MAX VALUE FOR -24K TO -25K	-24020	-47.70

BEACON SN 2007_12_20_02_hightempstart
 TIME START 11:18:58 AM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.00

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -62.20

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.24128E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.62463E+02
 AUDIO FREQ HIGH PASS AT +1.51406E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	26200	-34.50
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13200	-29.10
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26300	-33.80

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14200	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	25300	-34.40
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.80
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-35.00

Test Start 12/20/02, 9:54 AM

---MODULATION TEST---

PosPhase

UL = 1.2000000

LL = 1.0000000

Results = 1.1356191

NegPhase

UL = -1.0000000

LL = -1.2000000

Results = -1.0560471

Test Status: PASSED

---MOD_SYM TEST---

ModRise

UL = 0.0002500

LL = 0.0000500

Results = 0.0001576

ModFall

UL = 0.0002500

LL = 0.0000500

Results = 0.0001538

ModSym

UL = 0.0500000

LL = N/A

Results = 0.0180400

Test Status: PASSED

---DECODER TEST---

Baud

UL = 404.0000000

LL = 396.0000000

Results = 401.0730555

Preamble

UL = 0.161600

LL = 0.158400

Results = 0.160873

ID/SN: ADDC07C01440401

Test Status: PASSED

---FREQUENCY TEST---

MeanFreq

UL = 406.0290000E+6

LL = 406.0270000E+6

Results = 406.0281582E+6

ShortTerm

UL = 2.0000000E-9

LL = -2.0000000E-9

Results = 173.1469859E-12

MediumTerm

UL = 3.0000000E-9

LL = -3.0000000E-9

Results = 915.9952545E-12

MeanSlope

UL = 1.0000000E-9

LL = -1.0000000E-9

Results = 645.7414983E-12

Test Status: PASSED

Test Finished 12/20/02, 10:11 AM

BEACON SN 2007_12_20_02_hightempstart
 TIME START 9:18:08 AM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.80

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.60

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT +63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT +55.30

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.12241E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.37741E+02
 AUDIO FREQ HIGH PASS AT +1.51078E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-29.90
-30DB MAX VALUE FOR 25.0K TO 44.00K	25400	-34.40
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26700	-34.40

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-30.10
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-34.60
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.90
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-34.90

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-25.20
-30DB MAX VALUE FOR 7K TO 11.99K	7040	-35.00
-35DB MAX VALUE FOR 12K TO 23.99K	16780	-39.20

INITIAL DATA CTS
 WITH ALIVENESS
 DATA TAKEN
 EVERY HOUR
 (REQUIREMENT EVERY
 6 HRS)

ORL
 SQ01
 DME

KK

-40DB MAX VALUE FOR 24K TO 25K	25040	-50.00
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.40
-30DB MAX VALUE FOR -7K TO -11.99K	-7340	-35.50
-35DB MAX VALUE FOR -12K TO -23.99K	-16830	-40.20
-40DB MAX VALUE FOR -24K TO -25K	-24020	-47.70

BEACON SN 2007_12_20_02_hightempstart
 TIME START 11:18:58 AM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.00

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -62.20

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.24128E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.62463E+02
 AUDIO FREQ HIGH PASS AT +1.51406E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	26200	-34.50
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13200	-29.10
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26300	-33.80

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14200	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	25300	-34.40
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.80
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-35.00

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-23.80
-30DB MAX VALUE FOR 7K TO 11.99K	7290	-33.60
-35DB MAX VALUE FOR 12K TO 23.99K	17740	-37.10
-40DB MAX VALUE FOR 24K TO 25K	24270	-52.20
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.90
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-34.20
-35DB MAX VALUE FOR -12K TO -23.99K	-12650	-40.10
-40DB MAX VALUE FOR -24K TO -25K	-24020	-50.10

BEACON SN 2007_12_20_02_hightempstart
TIME START 12:19:04 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 19.80

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09633E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.56405E+02
AUDIO FREQ HIGH PASS AT +1.47108E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	13200	-29.20
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-34.00
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12700	-29.20
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26700	-34.70

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.70
-30DB MAX VALUE FOR	25.0K TO 44.00K	26400	-34.40
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-35.10

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.30
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-33.30
-35DB MAX VALUE FOR	12K TO 23.99K	20350	-38.10
-40DB MAX VALUE FOR	24K TO 25K	25090	-42.80
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.60
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.90
-35DB MAX VALUE FOR	-12K TO -23.99K	-19330	-37.50
-40DB MAX VALUE FOR	-24K TO -25K	-24480	-41.40

BEACON SN 2007_12_20_02_hightempstart
TIME START 1:19:22 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.00

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.70

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.40

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.11768E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.54507E+02
AUDIO FREQ HIGH PASS AT +1.48747E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5014E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.10
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-30DB MAX VALUE FOR	25.0K TO 44.00K	26300	-33.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12600	-29.10
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26200	-34.00

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	14000	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	25000	-34.40
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12600	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.70

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02836E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-25.00
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-35.00
-35DB MAX VALUE FOR	12K TO 23.99K	19730	-37.50
-40DB MAX VALUE FOR	24K TO 25K	24120	-49.30
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.20
-30DB MAX VALUE FOR	-7K TO -11.99K	-7090	-33.90
-35DB MAX VALUE FOR	-12K TO -23.99K	-13410	-38.80
-40DB MAX VALUE FOR	-24K TO -25K	-24020	-43.70

BEACON SN 2007_12_20_02_hightempstart
TIME START 2:19:18 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.00

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.70

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT +62.20

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.00656E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.56865E+02

AUDIO FREQ HIGH PASS AT +1.56559E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14400	-29.90
-30DB MAX VALUE FOR 25.0K TO 44.00K	26900	-35.20
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12600	-30.00
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-35.20

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12700	-30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-34.90
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26500	-34.80

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.20
-30DB MAX VALUE FOR 7K TO 11.99K	7440	-35.20
-35DB MAX VALUE FOR 12K TO 23.99K	19530	-36.60
-40DB MAX VALUE FOR 24K TO 25K	24680	-42.70
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-24.60
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-33.40
-35DB MAX VALUE FOR -12K TO -23.99K	-19580	-37.90
-40DB MAX VALUE FOR -24K TO -25K	-24070	-44.20

BEACON SN 2007_12_20_02_hightempstart
TIME START 3:19:40 PM
DATE START 12/20/02

6 HR DATA
ALIVENESS

ORL
SO01
DME

EP

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -61.80

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.70

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.16480E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.22449E+02
AUDIO FREQ HIGH PASS AT +1.47715E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-28.80
-30DB MAX VALUE FOR	25.0K TO 44.00K	25800	-34.30
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-28.80
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.20

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12700	-29.40
-30DB MAX VALUE FOR	25.0K TO 44.00K	26900	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12900	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26400	-34.20

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-25.20
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.70
-35DB MAX VALUE FOR	12K TO 23.99K	12750	-41.00
-40DB MAX VALUE FOR	24K TO 25K	24070	-44.40
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-24.80
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.40
-35DB MAX VALUE FOR	-12K TO -23.99K	-19990	-40.50
-40DB MAX VALUE FOR	-24K TO -25K	-24780	-44.50

BEACON SN 2007_12_20_02_hightempstart
TIME START 4:20:02 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT +62.50

BEACON 243 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT +54.90

BEACON DUTY CYCLE A PASS

DUTY CYCLE A PASS AT +6.23949E-01□

AUDIO FREQ PASS

AUDIO FREQ LOW PASS AT +3.57119E+02

AUDIO FREQ HIGH PASS AT +1.51440E+03

BEACON 121 SIDEBAND PASS

CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	14800	-29.90
-30DB MAX VALUE FOR	25.0K TO 44.00K	27100	-35.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.80
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-35.00

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	25600	-35.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12600	-29.70
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.30

BEACON 406 SIDEBAND PASS

CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-25.00
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.30
-35DB MAX VALUE FOR	12K TO 23.99K	20450	-39.50
-40DB MAX VALUE FOR	24K TO 25K	24320	-41.60
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.20
-30DB MAX VALUE FOR	-7K TO -11.99K	-7240	-34.90
-35DB MAX VALUE FOR	-12K TO -23.99K	-15140	-39.20
-40DB MAX VALUE FOR	-24K TO -25K	-24370	-42.60

BEACON SN 2007_12_20_02_hightempstart

TIME START 5:20:29 PM

DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS

121 POWER PASS AT 19.30

BEACON 243 OUTPUT POWER PASS

243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10252E-01□

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.35557E+02
AUDIO FREQ HIGH PASS AT +1.47091E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14900	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-35.00
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13000	-29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-35.00

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-30.10
-30DB MAX VALUE FOR 25.0K TO 44.00K	27000	-34.40
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26400	-34.80

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.10
-30DB MAX VALUE FOR 7K TO 11.99K	7040	-34.80
-35DB MAX VALUE FOR 12K TO 23.99K	21720	-40.30
-40DB MAX VALUE FOR 24K TO 25K	24020	-41.80
-20DB MAX VALUE FOR -3K TO -6.99K	-3670	-26.00
-30DB MAX VALUE FOR -7K TO -11.99K	-7290	-34.80
-35DB MAX VALUE FOR -12K TO -23.99K	-13560	-38.90
-40DB MAX VALUE FOR -24K TO -25K	-24020	-42.50

BEACON SN 2007_12_20_02_hightempstart
TIME START 6:20:47 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09469E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.63898E+02
AUDIO FREQ HIGH PASS AT +1.51462E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	13000	-29.90
-30DB MAX VALUE FOR 25.0K TO 44.00K	26200	-34.10
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13200	-29.40
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-34.80

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	25600	-34.90
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26400	-34.20

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.00
-30DB MAX VALUE FOR 7K TO 11.99K	7090	-34.20
-35DB MAX VALUE FOR 12K TO 23.99K	13050	-37.50
-40DB MAX VALUE FOR 24K TO 25K	24020	-43.40
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.30
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-34.00
-35DB MAX VALUE FOR -12K TO -23.99K	-13560	-38.50

-40DB MAX VALUE FOR -24K TO -25K -24420 -43.00

BEACON SN 2007_12_20_02_hightempstart
 TIME START 7:21:09 PM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -61.80

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.09203E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.54667E+02
 AUDIO FREQ HIGH PASS AT +1.56301E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5014E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	13100	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	26700	-35.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-25100	-34.50

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0024E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	26700	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.40
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26800	-34.80

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.60
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-30DB MAX VALUE FOR 7K TO 11.99K	7700	-34.50
-35DB MAX VALUE FOR 12K TO 23.99K	21620	-39.90
-40DB MAX VALUE FOR 24K TO 25K	24780	-43.50
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.40
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-33.30
-35DB MAX VALUE FOR -12K TO -23.99K	-12340	-39.20
-40DB MAX VALUE FOR -24K TO -25K	-25090	-49.10

BEACON SN 2007_12_20_02_hightempstart
 TIME START 8:21:36 PM
 DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -61.90

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.13916E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.55519E+02
 AUDIO FREQ HIGH PASS AT +1.49950E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12600	-29.10
-30DB MAX VALUE FOR 25.0K TO 44.00K	26200	-33.80
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13000	-29.20
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26500	-33.90

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	25400	-33.90
-25DB MAX VALUE FOR -12.5K TO -24.99K	-13000	-29.20

-30DB MAX VALUE FOR -25.0K TO -44.00K -26600 -34.40

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-25.00
-30DB MAX VALUE FOR 7K TO 11.99K	7750	-35.30
-35DB MAX VALUE FOR 12K TO 23.99K	13360	-40.80
-40DB MAX VALUE FOR 24K TO 25K	24320	-43.50
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.30
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-34.30
-35DB MAX VALUE FOR -12K TO -23.99K	-12030	-39.70
-40DB MAX VALUE FOR -24K TO -25K	-24220	-41.80

BEACON SN 2007-12-20_02_hightempstart
TIME START 9:21:33 PM
DATE START 12/20/02

12 HR DATA
ALIVENESS



BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.30

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.13690E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.54576E+02
AUDIO FREQ HIGH PASS AT +1.51498E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5014E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14300	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	26600	-34.30
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26900	-35.00

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12700	-29.70
-30DB MAX VALUE FOR 25.0K TO 44.00K	26900	-35.00
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-25200	-34.50

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.90
-30DB MAX VALUE FOR 7K TO 11.99K	7390	-34.70
-35DB MAX VALUE FOR 12K TO 23.99K	12290	-39.20
-40DB MAX VALUE FOR 24K TO 25K	25090	-45.00
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.50
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-33.80
-35DB MAX VALUE FOR -12K TO -23.99K	-12700	-40.40
-40DB MAX VALUE FOR -24K TO -25K	-24990	-43.30

BEACON SN 2007_12_20_02_hightempstart
TIME START 10:21:20 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.60

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10920E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.37265E+02
AUDIO FREQ HIGH PASS AT +1.51423E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12700	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26500	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12900	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26300	-34.10

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26900	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26800	-34.70

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.20
-30DB MAX VALUE FOR	7K TO 11.99K	7800	-35.10
-35DB MAX VALUE FOR	12K TO 23.99K	13820	-40.60
-40DB MAX VALUE FOR	24K TO 25K	24830	-43.90
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.50
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-34.00
-35DB MAX VALUE FOR	-12K TO -23.99K	-12290	-39.20
-40DB MAX VALUE FOR	-24K TO -25K	-24170	-42.80

BEACON SN 2007_12_20_02_hightempstart
TIME START 11:21:15 PM
DATE START 12/20/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.40

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.20

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09222E-01□

AUDIO FREQ PASS

AUDIO FREQ LOW PASS AT +3.57039E+02
 AUDIO FREQ HIGH PASS AT +1.51326E+03

BEACON 121 SIDEBAND PASS

CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	25500	-34.30
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.40
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26700	-35.00

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	25600	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.80

BEACON 406 SIDEBAND PASS

CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-25.00
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.60
-35DB MAX VALUE FOR	12K TO 23.99K	12590	-36.90
-40DB MAX VALUE FOR	24K TO 25K	24680	-43.10
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-26.00
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-34.90
-35DB MAX VALUE FOR	-12K TO -23.99K	-13050	-39.20
-40DB MAX VALUE FOR	-24K TO -25K	-24120	-43.20

BEACON SN 2007_12_20_02_hightempstart

TIME START 12:21:13 AM

DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS

121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS

243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS

406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT -62.30

BEACON 243 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS

DUTY CYCLE A PASS AT +6.11134E-01

AUDIO FREQ PASS

AUDIO FREQ LOW PASS AT +3.35758E+02

AUDIO FREQ HIGH PASS AT +1.51599E+03

BEACON 121 SIDEBAND PASS

CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	27000	-35.10
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26400	-35.10

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0024E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	13200	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	26700	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.30

BEACON 406 SIDEBAND PASS

CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.40
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.80
-35DB MAX VALUE FOR	12K TO 23.99K	12340	-39.50
-40DB MAX VALUE FOR	24K TO 25K	24320	-45.50
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.40
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.90
-35DB MAX VALUE FOR	-12K TO -23.99K	-12140	-39.20
-40DB MAX VALUE FOR	-24K TO -25K	-25090	-43.10

BEACON SN 2007_12_20_02_hightempstart

TIME START 1:21:35 AM

DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS

121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS

243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS

406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -62.60

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.10179E-01□

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.36343E+02
 AUDIO FREQ HIGH PASS AT +1.51394E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12700	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	25200	-34.40
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12700	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26900	-35.10

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	27100	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-13600	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.20

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.60
-30DB MAX VALUE FOR	7K TO 11.99K	7290	-34.40
-35DB MAX VALUE FOR	12K TO 23.99K	12190	-39.60
-40DB MAX VALUE FOR	24K TO 25K	25040	-43.20
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.00
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.40
-35DB MAX VALUE FOR	-12K TO -23.99K	-12390	-39.20
-40DB MAX VALUE FOR	-24K TO -25K	-24480	-43.10

BEACON SN 2007_12_20_02_hightempstart
 TIME START 2:21:23 AM
 DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -61.90

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.11761E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.62402E+02
AUDIO FREQ HIGH PASS AT +1.47105E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	15800	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	25100	-34.20
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR -25.0K TO -44.00K	-25100	-34.90

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	15300	-29.60
-30DB MAX VALUE FOR 25.0K TO 44.00K	25700	-34.00
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12600	-29.40
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-34.60

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.50
-30DB MAX VALUE FOR 7K TO 11.99K	7040	-34.80
-35DB MAX VALUE FOR 12K TO 23.99K	12590	-40.90
-40DB MAX VALUE FOR 24K TO 25K	24990	-44.90
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.00
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-34.10
-35DB MAX VALUE FOR -12K TO -23.99K	-13000	-39.10
-40DB MAX VALUE FOR -24K TO -25K	-24220	-42.80

BEACON SN 2007_12_20_02_hightempstart
TIME START 13:21:15 AM

18 HR
DATA
ACQUIRED

ORL
5001
DME

KB

DATE START

12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 35.80

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.30

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10067E-01□

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.81589E+02
AUDIO FREQ HIGH PASS AT +1.50994E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	13900	-29.30
-30DB MAX VALUE FOR 25.0K TO 44.00K	25000	-33.90
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12900	-29.00
-30DB MAX VALUE FOR -25.0K TO -44.00K	-25200	-33.80

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0024E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-29.10
-30DB MAX VALUE FOR 25.0K TO 44.00K	26500	-34.50
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.00
-30DB MAX VALUE FOR -25.0K TO -44.00K	-25800	-33.80

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.50
-30DB MAX VALUE FOR 7K TO 11.99K	7040	-34.30
-35DB MAX VALUE FOR 12K TO 23.99K	12590	-39.40
-40DB MAX VALUE FOR 24K TO 25K	24580	-44.10
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-25.10

-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-34.30
-35DB MAX VALUE FOR -12K TO -23.99K	-12700	-39.60
-40DB MAX VALUE FOR -24K TO -25K	-24020	-48.00

BEACON SN 2007_12_20_02_hightempstart
 TIME START 4:21:12 AM
 DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -62.30

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.09451E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.36206E+02
 AUDIO FREQ HIGH PASS AT +1.47475E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5013E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	14500	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	26400	-34.30
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12600	-29.90
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26700	-35.10

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-29.30
-30DB MAX VALUE FOR 25.0K TO 44.00K	26900	-34.80
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.40
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26200	-34.10

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02831E6

-20DB MAX VALUE FOR 3K TO 6.99K	3010	-24.70
-30DB MAX VALUE FOR 7K TO 11.99K	7700	-34.30
-35DB MAX VALUE FOR 12K TO 23.99K	12340	-40.20
-40DB MAX VALUE FOR 24K TO 25K	24020	-44.50
-20DB MAX VALUE FOR -3K TO -6.99K	-3010	-24.70
-30DB MAX VALUE FOR -7K TO -11.99K	-7040	-33.40
-35DB MAX VALUE FOR -12K TO -23.99K	-15500	-40.00
-40DB MAX VALUE FOR -24K TO -25K	-24020	-44.90

BEACON SN 2007_12_20_02_hightempstart
 TIME START 5:21:29 AM
 DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
 121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
 243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
 406 POWER PASS AT 35.90

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -62.20

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
 -22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
 DUTY CYCLE A PASS AT +6.13441E-01□

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.57260E+02
 AUDIO FREQ HIGH PASS AT +1.51196E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	16000	-29.80
-30DB MAX VALUE FOR 25.0K TO 44.00K	25200	-34.10
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26500	-34.90

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0023E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	15800	-29.60
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-30DB MAX VALUE FOR	25.0K TO 44.00K	26200	-33.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12700	-29.20
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26900	-34.40

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02826E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-23.90
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-33.70
-35DB MAX VALUE FOR	12K TO 23.99K	17130	-39.20
-40DB MAX VALUE FOR	24K TO 25K	24680	-44.50
-20DB MAX VALUE FOR	-3K TO -6.99K	-3570	-25.70
-30DB MAX VALUE FOR	-7K TO -11.99K	-7290	-34.70
-35DB MAX VALUE FOR	-12K TO -23.99K	-13410	-40.30
-40DB MAX VALUE FOR	-24K TO -25K	-24020	-44.20

BEACON SN 2007_12_20_02_hightempstart
TIME START 6:21:30 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 36.00

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.80

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09859E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.56162E+02
AUDIO FREQ HIGH PASS AT +1.51348E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	13000	-29.30
-30DB MAX VALUE FOR	25.0K TO 44.00K	26800	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.30

-30DB MAX VALUE FOR -25.0K TO -44.00K -26300 -34.20

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0019E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.80
-30DB MAX VALUE FOR	25.0K TO 44.00K	26300	-34.60
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26300	-34.50

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02826E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.10
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.00
-35DB MAX VALUE FOR	12K TO 23.99K	12140	-40.70
-40DB MAX VALUE FOR	24K TO 25K	24880	-44.90
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.90
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-34.10
-35DB MAX VALUE FOR	-12K TO -23.99K	-13260	-38.80
-40DB MAX VALUE FOR	-24K TO -25K	-24990	-48.20

BEACON SN 2007_12_20_02_hightempstart
TIME START 7:21:30 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 36.00

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.30

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.08814E-01[]

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.57054E+02
AUDIO FREQ HIGH PASS AT +1.51548E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5014E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	14500	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	25900	-35.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-27000	-35.00

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0019E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	26400	-34.50
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.40
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.40

BEACON 406 SIDEBAND PASS
CENTER FREQ PASS AT 406.02826E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.10
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.50
-35DB MAX VALUE FOR	12K TO 23.99K	12540	-39.70
-40DB MAX VALUE FOR	24K TO 25K	24070	-45.10
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.60
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-34.20
-35DB MAX VALUE FOR	-12K TO -23.99K	-14890	-41.10
-40DB MAX VALUE FOR	-24K TO -25K	-24580	-48.20

BEACON SN
TIME START
DATE START

2007_12_20_02_hightempstart
8:19:01 AM
12/21/02

23 HR DATA BEFORE

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.20

406 SHOTS OFF AT

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.30

24 HRS



BEACON 406 OUTPUT POWER PASS
406 POWER PASS AT 36.00

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.60

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.08441E-01

AUDIO FREQ PASS
 AUDIO FREQ LOW PASS AT +3.78742E+02
 AUDIO FREQ HIGH PASS AT +1.51173E+03

BEACON 121 SIDEBAND PASS
 CENTER FREQ PASS AT 121.5016E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.90
-30DB MAX VALUE FOR	25.0K TO 44.00K	27300	-34.10
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.70

BEACON 243 SIDEBAND PASS
 CENTER FREQ PASS AT 243.0031E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	27000	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.80
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26400	-34.90

BEACON 406 SIDEBAND PASS
 CENTER FREQ PASS AT 406.02999E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.80
-30DB MAX VALUE FOR	7K TO 11.99K	7800	-35.20
-35DB MAX VALUE FOR	12K TO 23.99K	13360	-39.40
-40DB MAX VALUE FOR	24K TO 25K	24070	-45.10
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-24.60
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.80
-35DB MAX VALUE FOR	-12K TO -23.99K	-12090	-38.60
-40DB MAX VALUE FOR	-24K TO -25K	-24020	-51.20

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

155 HIGH TEMP C 23HRS

Tested By:

M. M. M. A.

DATE:

12/21/02 8:19 AM PATA

Beacon P3-03-0041-001

Serial Number:

2007

Test Equipment	Model	Serial No. or Control No.	Cal. Due
SPECAW	HP 8568B	OR3063	9/18/03
GENERATOR	HP 8656B	OR1091	5/18/03
MODAWA #1	HP 8901B	OR1093	11/30/03
SLOPE	HP 54510B	OR0627	8/29/03
MODAWA #2 (FOR SLOPE)	HP 8901B	SIN 3704A0571	12/11/03
POWER SENSOR	HP 8481A	OR1092	1/29/03

ORL
S001
DME

RP

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

SPECTRUM ANALYZER OFFSET DETERMINATION AND PRETEST					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
3.3	HP8656 setting for 121.5MHZ	-0.5	<u>0.3</u> dBm	+0.5	P F
3.4	HP8656 setting for 243 MHZ	-0.5	<u>0.3</u> dBm	+0.5	P F
3.5	HP8656 setting for 406.028 MHZ	-0.5	<u>0.3</u> dBm	+0.5	P F

BIST and turn on tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.1.1	Beacon passes self test and goes off	N/A	<u>N/A</u> chk	N/A	P F
4.1.2	Beacon stays off	N/A	<u>N/A</u> chk	N/A	P F
4.1.3	Beacon transmits when B antenna is touched.	N/A	<u>N/A</u> chk	N/A	P F
4.1.4	Beacon goes off when magnet is installed.	N/A	<u>N/A</u> chk	N/A	P F
4.1.5	Beacon transmits when A antenna is touched.	N/A	<u>N/A</u> chk	N/A	P F
4.1.6	Beacon goes off when magnet is installed.	N/A	<u>N/A</u> chk	N/A	P F

** BEACON NOT REACTIVATED*
KUH

TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

RF beacon 121.5/243 Mhz Tests

Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.2.1	Peak Power at 121.5 MHZ	17.0dBm	<u>19.2</u> dBm	N/A	<u>P</u> F
	Antenna gain including feeder and mismatch losses for 121.5 Mhz obtained from antenna field tests.	N/A	<u>-1.0</u> N/A dB	N/A	N/A
	Peak power + antenna gain= EIRP	<u>2</u> 20dbm EIRP	<u>18.2</u> N/A dBm	N/A	<u>P</u> F
4.2.2	Frequency 121.5 MHz $\pm$ 6 kHz	121.494	<u>121.5016</u> MHz	121.506	<u>P</u> F
4.2.3	Peak Power at 243 MHZ	17.0dBm	<u>20.3</u> dBm	N/A	<u>P</u> F
	Antenna gain including feeder and mismatch losses for 243 Mhz obtained from antenna field tests.	N/A	<u>3.7</u> N/A dB	N/A	N/A
	Peak power + antenna gain= EIRP	<u>7</u> 20dbm EIRP	<u>24.0</u> N/A dBm	N/A	<u>P</u> F
4.2.4	Frequency 243 MHz $\pm$ 12 kHz	242.988	<u>243.0034</u> MHz	243.012	<u>P</u> F
4.2.5	121.5 Mhz Modulation depth	N/A	<u>-62.6</u> dBc	-22dBc	<u>P</u> F
4.2.6	121.5 /243 Mhz Duty cycle	45%	<u>60.8</u> %	67%	<u>P</u> F
4.2.7	Max audio frequency	N/A	<u>1511</u> Hz	1600	<u>P</u> F
	Min audio frequency	300	<u>378</u> Hz	N/A	<u>P</u> F
	Max - Min	N/A	<u>1433</u> Hz	700	<u>P</u> F
4.2.8	Sweeps in 10 seconds	20	<u>30</u> count	40	<u>P</u> F



ISO 9001
CERTIFIED



TEST DATA SHEETS
RF BEACON ASSEMBLY
P3-03-0041-001

RF beacon 406.028 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.3.1	Peak Power at 406.028 MHZ	35.0dBm	36.0 dBm	N/A	(P) F
	Antenna gain including feeder and mismatch losses for 406.028 Mhz obtained from antenna field tests.	N/A	+0.15 dB N/A	N/A	N/A
	Peak power + antenna gain= EIRP	32.0dbm EIRP	36.15 dBm N/A	N/A	(P) F
4.3.2	Frequency Accuracy 406.028 MHz $\pm$ 1 kHz	406.0270	406.02816 MHz	406.0290	(P) F

ORL
SQ01
DME

(P)

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

+55°C HIGH TEMP @ 23HR

Tested By: W. H. H. H.

DATE: 12/21/02 1:58; 8:19 AM 9/11/2007

RF PCB

(A3-07-0039) Serial Number: 0002

DIGITAL PCB (A3-07-0038) Serial Number: 0016

Test Equipment	Model	Serial No. or Control No.	Cal. Due
SPEAN	HP568B	OR3063	9/18/03
GENERATOR	HP8656B	OR1091	5/18/03
MODANA #1	HP8901B	OR1093	1/30/03
SCOPE	HP5490B	OR0627	8/29/03
TIME+FREQ ANA	HP5371A	2842A0060	6/11/03
MODANA #2 (for ground)	HP8901B	SIN 3704A0571	2/11/03
POWER SENSOR	HP8481A	OR1092	1/29/03

BEACON ACTIVATED 9:03 AM 12/20/02
406 CUT OFF 9:16 AM 12/21/02



TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

SPECTRUM ANALYZER OFFSET DETERMINATION AND PRETEST					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
3.3	HP8656 setting for 121.5MHZ	-0.5	<u>0.3</u> dBm	+0.5	P F
3.4	HP8656 setting for 243 MHz	-0.5	<u>0.3</u> dBm	+0.5	P F
3.5	HP8656 setting for 406.028 MHz	-0.5	<u>0.3</u> dBm	+0.5	P F

ORL
SQ001
DME
11

RF beacon 121.5/243 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.1.1	Peak Power at 121.5 MHz	17.0dBm	<u>19.2</u> dBm	N/A	P F
	UUT current during 121.5/243 Mhz broadcast	N/A	<u>N/A*</u> mA	100mA	P F
4.1.2	Frequency 121.5 MHz $\pm$ 6 kHz	121.494	<u>121.5016</u> MHz	121.506	P F
4.1.3	121.5 MHz Bandwidth $\geq$ +12.5 kHz	N/A	<u>-29.9</u> dBc	-25dBc	P F
	121.5 MHz Bandwidth $\leq$ -12.5 kHz	N/A	<u>-29.6</u> dBc	-25dBc	P F
	121.5 MHz Bandwidth $\geq$ +25 kHz	N/A	<u>-34.1</u> dBc	-30dBc	P F
	121.5 MHz Bandwidth $\leq$ -25 kHz	N/A	<u>-34.7</u> dBc	-30dBc	P F
4.1.4	Peak Power at 243 MHz	17.0dBm	<u>20.3</u> dBm	N/A	P F
4.1.5	Frequency 243 MHz $\pm$ 12 kHz	242.988	<u>243.0031</u> MHz	243.012	P F
4.1.6	243 MHz Bandwidth $\geq$ +12.5 kHz	N/A	<u>-30.00</u> dBc	-25dBc	P F
	243 MHz Bandwidth $\leq$ -12.5 kHz	N/A	<u>-29.80</u> dBc	-25dBc	P F
	243 MHz Bandwidth $\geq$ +25 kHz	N/A	<u>-34.80</u> dBc	-30dBc	P F
	243 MHz Bandwidth $\leq$ -25 kHz	N/A	<u>-34.8</u> dBc	-30dBc	P F
4.1.7	121.5 Mhz Modulation depth	N/A	<u>-62.6</u> dBc	-22dBc	P F
4.1.8	364.5 MHz harmonic	N/A	<u>-49.8</u> dBc	-30dBc	P F
	486 MHz harmonic	N/A	<u>-56.8</u> dBc	-30dBc	P F
4.1.9	121.5 /243 Mhz Duty cycle	45%	<u>60.84</u> %	67%	P F

on battery

ORL
SQ001
DME
11

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

RF beacon 406.028 Mhz Tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.2.1	Peak Power at 406.028 MHZ	35.0dBm	<u>36.0</u> dBm	39.0dbm	P F
	UUT peak current during 406 Mhz broadcast	N/A	<u>N/A</u> A	1.7A	P F
4.2.2	406.028 MHz Bandwidth $\geq +12.0$ kHz	N/A	<u>-34.4</u> dBc	-30dBc	P F
	406.028 MHz Bandwidth ≤ -12.0 kHz	N/A	<u>-38.6</u> dBc	-30dBc	P F
	406.028 MHz Bandwidth $\geq +24$ kHz	N/A	<u>-45.0</u> dBc	-40dBc	P F
	406.028 MHz Bandwidth ≤ -24 kHz	N/A	<u>-51.2</u> dBc	-40dBc	P F
4.2.3	812 MHz harmonic	N/A	<u>-43.6</u> dBc	-30dBc	P F
4.2.4	406 pulse falling (starting edge) time	0.3	<u>0.920</u> msec	5.0	P F
4.2.5	406 pulse rising (stopping edge) time	0.3	<u>1.3496</u> msec	5.0	P F
4.2.6	Total transmission pulse time measured with diode detector.	435.6	<u>442.4</u> msec	444.4	P F
4.2.7	Total transmission time burst spacing measured with diode detector.	47.5	<u>51.0</u> sec	52.5	P F
4.2.9	Phase modulation +1.10 radian peak	1.00	<u>1.148</u> Rad	1.20	P F
4.2.10	Phase modulation -1.10 radian peak	-1.20	<u>-1.065</u> Rad	-1.00	P F
4.2.11	Phase modulation rise time	50usec	<u>144.2</u> usec	250 usec	P F
4.2.12	Phase modulation fall time	50usec	<u>145.8</u> usec	250 usec	P F
4.2.13	Phase modulation rise/fall symmetry	N/A	<u>0.018</u> ratio	0.05	P F
4.2.14	Modulation Bit rate 400 bits/sec	396.0	<u>401.0696</u> Hz	404.0	P F
4.2.15	CW preamble time	158.4	<u>160.873</u> msec	161.6	P F
4.2.16	NOAA HEX ID ID/SN matches programmed in	N/A	<u>A00C07C01440401</u>	N/A	P F
4.2.17	Frequency Accuracy 406.028 MHz ± 1 kHz	406.0270	<u>406.0281163</u> MHz	406.0290	P F
4.2.18	Short term stability	-2e-9	<u>159x10⁻¹²</u> n/a	2e-9	P F
4.2.19	medium term residual variation	-3e-9	<u>920x10⁻¹²</u> n/a	3e-9	P F
4.2.20	medium term slope	-1e-9	<u>98x10⁻¹²</u> n/a	1e-9	P F

FROM BATTERY R.H.

ORL
3001
DME
RK

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

BIST ,activation and B antenna output power tests					
Para.	Description	Min.	Results	Max.	Pass / Fail (circle one)
4.3.2	Beacon stays off	N/A	_____chk	N/A	P F
4.3.3	Beacon passes self test and goes off	N/A	_____chk	N/A	P F
4.3.4	Beacon transmits when load is connected to B antenna	N/A	_____chk	N/A	P F
4.3.6 (-002 version only)	Peak Power at 121.5 MHZ	17.0dBm	_____dBm	N/A	P F
4.3.7 (-002 version only)	Peak Power at 243 MHZ	17.0dBm	_____dBm	N/A	P F
4.3.8 (-002 version only)	Peak Power at 406.028 MHZ	35.0dBm	_____dBm	39.0dBm	P F

N/A IN CONDITIONS
TEST
K/H (K)

TEST DATA SHEETS
RF BEACON ASSEMBLY
A3-07-1032

Beacon Calibration factor recording				
Para.	Description	Under 0 deg c	0 to 35 deg c	Over 35 deg c
4.4.4	12 volt gain settings for 121/243 power (Q1 location)			
4.4.5	12 volt gain settings for 406 power (Q3 location)			
4.4.6	406 phase modulation +1.1 radian (Q5 location)			
	406 phase modulation 0.0 radian (Q5 location)			
	406 phase modulation -1.1 radian (Q5 location)			
4.4.7	406 gain A (Q7 location)			
4.4.8	406 gain B (Q9 location)			
Para.	Description	N/A	Time in msec	N/A
4.4.9	Preamble time. (Q11 location)	N/A		N/A
Para.	Description	Over voltage mode	Nominal voltage	Undervoltage mode
4.4.10	406 gain B offset (Q13 location)			
Para.	Description	Over voltage mode	N/A	Undervoltage mode
4.4.11	Battery threshold (Q15 location)		N/A	

N/A IN CONTINUOUS TEST
RMA
(K)

Test Start 12/21/02, 7:58 AM

---MODULATION TEST---

PosPhase

UL = 1.2000000

LL = 1.0000000

Results = 1.1481445

NegPhase

UL = -1.0000000

LL = -1.2000000

Results = -1.0653083

Test Status: PASSED

---MOD_SYM TEST---

ModRise

UL = 0.0002500

LL = 0.0000500

Results = 0.0001442

ModFall

UL = 0.0002500

LL = 0.0000500

Results = 0.0001458

ModSym

UL = 0.0500000

LL = N/A

Results = 0.0185861

Test Status: PASSED

---DECODER TEST---

Baud

UL = 404.0000000

LL = 396.0000000

Results = 401.0696946

Preamble

UL = 0.161600

LL = 0.158400

Results = 0.160873

ID/SN: ADDC07C01440401

Test Status: PASSED

---FREQUENCY TEST---

23 HR
DATA BEFORE
406 SHUTS OFF



MeanFreq

UL = 406.0290000E+6

LL = 406.0270000E+6

Results = 406.0281163E+6

ShortTerm

UL = 2.0000000E-9

LL = -2.0000000E-9

Results = 159.7809712E-12

MediumTerm

UL = 3.0000000E-9

LL = -3.0000000E-9

Results = 920.0309887E-12

MeanSlope

UL = 1.0000000E-9

LL = -1.0000000E-9

Results = 98.9075197E-12

Test Status: PASSED

Test Finished 12/21/02, 8:15 AM

BEACON 121 SIDEBAND PASS

CENTER FREQ PASS AT 121.5014E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	14500	-29.60
-30DB MAX VALUE FOR	25.0K TO 44.00K	25900	-35.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-27000	-35.00

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0019E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	26400	-34.50
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.40
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.40

BEACON 406 SIDEBAND PASS

CENTER FREQ PASS AT 406.02826E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.10
-30DB MAX VALUE FOR	7K TO 11.99K	7040	-34.50
-35DB MAX VALUE FOR	12K TO 23.99K	12540	-39.70
-40DB MAX VALUE FOR	24K TO 25K	24070	-45.10
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-25.60
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-34.20
-35DB MAX VALUE FOR	-12K TO -23.99K	-14890	-41.10
-40DB MAX VALUE FOR	-24K TO -25K	-24580	-48.20

BEACON SN

TIME START

DATE START

2007_12_20_02_hightempstart

8:19:01 AM

12/21/02

23 HR DATA BEFORE

BEACON 121 OUTPUT POWER PASS

121 POWER PASS AT 19.20

406 SHOTS OFF AT

BEACON 243 OUTPUT POWER PASS

243 POWER PASS AT 20.30

24 HRS



BEACON 406 OUTPUT POWER PASS

406 POWER PASS AT 36.00

BEACON 121 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT -62.60

BEACON 243 85% MINIMUM MODULATION DEPTH PASS

-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS

DUTY CYCLE A PASS AT +6.08441E-01

AUDIO FREQ PASS

AUDIO FREQ LOW PASS AT +3.78742E+02
 AUDIO FREQ HIGH PASS AT +1.51173E+03

BEACON 121 SIDEBAND PASS

CENTER FREQ PASS AT 121.5016E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.90
-30DB MAX VALUE FOR	25.0K TO 44.00K	27300	-34.10
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.70

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0031E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	27000	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.80
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26400	-34.90

BEACON 406 SIDEBAND PASS

CENTER FREQ PASS AT 406.02999E6

-20DB MAX VALUE FOR	3K TO 6.99K	3010	-24.80
-30DB MAX VALUE FOR	7K TO 11.99K	7800	-35.20
-35DB MAX VALUE FOR	12K TO 23.99K	13360	-39.40
-40DB MAX VALUE FOR	24K TO 25K	24070	-45.10
-20DB MAX VALUE FOR	-3K TO -6.99K	-3010	-24.60
-30DB MAX VALUE FOR	-7K TO -11.99K	-7040	-33.80
-35DB MAX VALUE FOR	-12K TO -23.99K	-12090	-38.60
-40DB MAX VALUE FOR	-24K TO -25K	-24020	-51.20

BEACON SN 2007_12_21_02_hightempaafter24hr
TIME START 9:16:14 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.10

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09027E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.37012E+02
AUDIO FREQ HIGH PASS AT +1.51530E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12900	-30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K	26800	-34.80
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26600	-34.90

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0019E6

-25DB MAX VALUE FOR 12.5K TO 24.99K	12500	-30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K	27000	-34.80
-25DB MAX VALUE FOR -12.5K TO -24.99K	-12500	-29.70
-30DB MAX VALUE FOR -25.0K TO -44.00K	-26300	-34.80

BEACON SN 2007_12_21_02_hightempaafter24hr
TIME START 9:46:26 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.90

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.70

121.5/243 MHz
ALL VENERG DATA AFTER
FIRST 24 HRS
DATA COLLECTED EVERY
30 MINS (REQUIREMENT
IS 60 HRS VENERG)
UNIT OPERATED
64 HR MINIMUM
50 HRS IS REQUIREMENT
K. HUNT 12/23/02

UNIT
PASSES



BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.08468E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.53344E+02
AUDIO FREQ HIGH PASS AT +1.51465E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.10
-30DB MAX VALUE FOR	25.0K TO 44.00K	26800	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.90

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12900	-29.70
-30DB MAX VALUE FOR	25.0K TO 44.00K	26100	-34.50
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.30
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.50

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 10:16:37 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.80

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.90

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10450E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.62190E+02
AUDIO FREQ HIGH PASS AT +1.51237E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5009E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-29.90
-30DB MAX VALUE FOR	25.0K TO 44.00K	27100	-34.70
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26300	-34.80

BEACON 243 SIDEBAND PASS

CENTER FREQ PASS AT 243.0019E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12900	-29.20
-30DB MAX VALUE FOR	25.0K TO 44.00K	26900	-34.00
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-28.70
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26400	-34.00

BEACON SN 2007_12_21_02_hightempaafter24hr
TIME START 10:46:44 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.40

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.08476E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.35639E+02
AUDIO FREQ HIGH PASS AT +1.51475E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.70
-30DB MAX VALUE FOR	25.0K TO 44.00K	26900	-34.50
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.20
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26600	-34.60

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26100	-34.80
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26500	-34.80

BEACON SN 2007_12_21_02_hightempaafter24hr
TIME START 11:16:54 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.08806E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.55276E+02
AUDIO FREQ HIGH PASS AT +1.51604E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5012E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26000	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26700	-34.90

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0022E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12500	-29.50
-30DB MAX VALUE FOR	25.0K TO 44.00K	26600	-34.30
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.00
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26800	-34.30

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 11:47:06 AM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.10

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.80

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.12118E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.35946E+02
AUDIO FREQ HIGH PASS AT +1.50087E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K 12600 -30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K 26200 -34.90
-25DB MAX VALUE FOR -12.5K TO -24.99K -12600 -29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K -26600 -35.00

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR 12.5K TO 24.99K 12500 -30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K 26900 -34.80
-25DB MAX VALUE FOR -12.5K TO -24.99K -12600 -29.50
-30DB MAX VALUE FOR -25.0K TO -44.00K -26500 -34.80

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 12:17:18 PM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.10

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.70

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.09428E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.57171E+02
AUDIO FREQ HIGH PASS AT +1.51404E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR 12.5K TO 24.99K 12600 -29.90
-30DB MAX VALUE FOR 25.0K TO 44.00K 26800 -34.70
-25DB MAX VALUE FOR -12.5K TO -24.99K -12500 -29.50
-30DB MAX VALUE FOR -25.0K TO -44.00K -26700 -34.80

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR 12.5K TO 24.99K 12700 -30.00
-30DB MAX VALUE FOR 25.0K TO 44.00K 25600 -34.90
-25DB MAX VALUE FOR -12.5K TO -24.99K -12600 -29.60
-30DB MAX VALUE FOR -25.0K TO -44.00K -26500 -34.80

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 12:47:28 PM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -63.00

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -55.00

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10999E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.81595E+02
AUDIO FREQ HIGH PASS AT +1.51321E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26800	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.60
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26700	-34.90

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0021E6

-25DB MAX VALUE FOR	12.5K TO 24.99K	12600	-30.00
-30DB MAX VALUE FOR	25.0K TO 44.00K	26000	-34.90
-25DB MAX VALUE FOR	-12.5K TO -24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO -44.00K	-26700	-34.80

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 1:17:36 PM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.20

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.90

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.70

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.10259E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.56936E+02
AUDIO FREQ HIGH PASS AT +1.51500E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5011E6

-25DB MAX VALUE FOR	12.5K TO	24.99K	12500	-29.80
-30DB MAX VALUE FOR	25.0K TO	44.00K	25600	-34.60
-25DB MAX VALUE FOR	-12.5K TO	-24.99K	-12500	-29.20
-30DB MAX VALUE FOR	-25.0K TO	-44.00K	-26700	-34.60

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR	12.5K TO	24.99K	12700	-29.90
-30DB MAX VALUE FOR	25.0K TO	44.00K	26800	-34.70
-25DB MAX VALUE FOR	-12.5K TO	-24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO	-44.00K	-26600	-34.70

BEACON SN 2007_12_21_02_hightempafter24hr
TIME START 1:47:47 PM
DATE START 12/21/02

BEACON 121 OUTPUT POWER PASS
121 POWER PASS AT 19.40

BEACON 243 OUTPUT POWER PASS
243 POWER PASS AT 20.10

BEACON 121 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -62.50

BEACON 243 85% MINIMUM MODULATION DEPTH PASS
-22DB MODULATION DEPTH LIMIT -54.70

BEACON DUTY CYCLE A PASS
DUTY CYCLE A PASS AT +6.12109E-01

AUDIO FREQ PASS
AUDIO FREQ LOW PASS AT +3.35494E+02
AUDIO FREQ HIGH PASS AT +1.47591E+03

BEACON 121 SIDEBAND PASS
CENTER FREQ PASS AT 121.5010E6

-25DB MAX VALUE FOR	12.5K TO	24.99K	12700	-29.90
-30DB MAX VALUE FOR	25.0K TO	44.00K	27100	-34.70
-25DB MAX VALUE FOR	-12.5K TO	-24.99K	-12500	-29.50
-30DB MAX VALUE FOR	-25.0K TO	-44.00K	-26500	-34.80

BEACON 243 SIDEBAND PASS
CENTER FREQ PASS AT 243.0020E6

-25DB MAX VALUE FOR	12.5K TO	24.99K	12500	-30.10
-30DB MAX VALUE FOR	25.0K TO	44.00K	26900	-34.80