NPTN 93-1 93007
105089
9300 Nav

NEPTUNE

NPTN 93-1

LAKE MICHIGAN

FOSTER

MAY 2-7, 1993

NAVIGATION PRINTOUT

NPTN93-1 NAV

NPTN93-1

DGPS/LORAN NAVIGATION

Test shakedown 5/2/93

122:20:57:00	42 30.7106	87 47.4657	33176.53	-1.68	49632.83	-1.62	+08	+06	+06	4.7	0.1	11.3
122:20:58:00	42 30.7840	87 47.4694	33176.05	-1.68	49632.00	-1.62	+08	+06	+06	4.5	355.0	11.3
122:20:59:00	42 30.8559	87 47.4674	33175.56	-1.68	49631.20	-1.62	+09	+06	+06	4.2	359.2	11.3
122:21:00:00	42 30.9284	87 47.4709	33175.09	-1.68	49630.38	-1.62	+08	+06	+06	4.3	1.3	11.2
122:21:01:00	42 31.0019	87 47.4745	33174.61	-1.68	49629.55	-1.62	+09	+06	+07	4.7	359.1	11.4
122:21:02:00	42 31.0719	87 47.4752	33174.13	-1.68	49628.76	-1.62	+08	+06	+06	4.0	357.2	11.2
122:21:03:00	42 31.1462	87 47.4752	33173.65	-1.68	49627.93	-1.62	+09	+06	+05	4.4	359.3	11.2
122:21:04:00	42 31.2183	87 47.4779	33173.18	-1.68	49627.11	-1.62	+08	+05	+05	4.4	359.6	11.1
122:21:05:00	42 31.2912	87 47.4725	33172.66	-1.68	49626.32	-1.62	+08	+06	+05	4.5	12.2	11.7
122:21:06:00	42 31.3494	87 47.4216	33172.06	-1.68	49625.82	-1.62	+08	+05	+05	4.1	38.8	11.9
122:21:07:02	42 31.3974	87 47.3426	33171.43	-1.68	49625.50	-1.62	+05	+06	+06	4.2	65.9	12.6
122:21:08:02	42 31.4239	87 47.2588	33170.93	-1.68	49625.50	-1.62	+08	+06	+06	3.9	73.2	12.7
122:21:09:02	42 31.4327	87 47.1648	33170.50	-1.68	49625.68	-1.62	+09	+06	+06	4.3	68.6	13.0
122:21:10:02	42 31.4211	87 47.0781	33170.21	-1.68	49626.05	-1.62	+08	+06	+06	3.9	116.0	13.2
122:21:11:02	42 31.3839	87 47.0047	33170.14	-1.68	49626.71	-1.62	+09	+06	+05	3.9	132.0	12.4
122:21:12:02	42 31.3312	87 46.9541	33170.31	-1.68	49627.43	-1.62	+08	+06	+06	3.8	147.4	12.7
122:21:13:02	42 31.2714	87 46.9220	33170.53	-1.68	49628.20	-1.62	+09	+06	+05	3.7	160.9	12.9
122:21:14:02	42 31.2084	87 46.9075	33170.91	-1.68	49628.97	-1.62	+08	+06	+05	3.9	171.0	12.9
122:21:16:02	42 31.0822	87 46.8872	33171.69	-1.68	49630.44	-1.62	+08	+06	+05	3.8	176.0	13.2
122:21:17:02	42 31.0191	87 46.8782	33172.07	-1.68	49631.19	-1.62	+09	+06	+06	3.5	174.7	13.4
122:21:18:02	42 30.9556	87 46.8704	33172.46	-1.68	49631.92	-1.62	+08	+06	+06	3.6	175.8	13.1
122:21:19:02	42 30.8917	87 46.8592	33172.84	-1.68	49632.66	-1.62	+09	+06	+06	3.5	176.5	13.1
122:21:20:02	42 30.8266	87 46.8486	33173.25	-1.68	49633.40	-1.62	+06	+05	+06	4.0	178.0	12.3
122:21:21:02	42 30.7631	87 46.8398	33173.64	-1.68	49634.17	-1.62	+09	+06	+06	3.3	178.2	12.2
122:21:22:02	42 30.6976	87 46.8318	33174.04	-1.68	49634.90	-1.62	+08	+06	+06	4.2	178.5	12.7
122:21:23:02	42 30.6339	87 46.8227	33174.44	-1.68	49635.65	-1.62	+09	+07	+07	3.9	178.8	12.9
122:21:24:02	42 30.5686	87 46.8151	33174.82	-1.68	49636.40	-1.62	+08	+06	+06	3.8	176.0	13.1

122:21:25:02	42 30.5029	87 46.8064	33175.24	-1.68	49637.17	-1.62	+07	+07	+08	3.6	174.4	13.6
122:21:26:02	42 30.4401	87 46.7987	33175.61	-1.68	49637.91	-1.62	+08	+06	+05	3.9	174.2	13.3
122:21:27:02	42 30.3756	87 46.7913	33176.03	-1.68	49638.65	-1.62	+09	+07	+05	3.9	173.7	13.2
122:21:28:02	42 30.3110	87 46.7828	33176.41	-1.68	49639.40	-1.62	+07	+06	+05	3.7	174.7	13.3
122:21:29:02	42 30.2475	87 46.7742	33176.82	-1.68	49640.12	-1.62	+08	+07	+06	3.7	178.0	13.4
122:21:30:02	42 30.1833	87 46.7659	33177.19	-1.68	49640.88	-1.62	+08	+06	+06	3.6	177.0	13.5
122:21:31:02	42 30.1215	87 46.7610	33177.61	-1.68	49641.63	-1.62	+09	+06	+07	3.6	179.6	12.7
122:21:32:02	42 30.0551	87 46.7525	33178.04	-1.68	49642.36	-1.62	+08	+06	+06	3.9	176.9	13.1
122:21:33:02	42 29.9922	87 46.7460	33178.43	-1.68	49643.10	-1.62	+08	+06	+06	4.2	173.9	13.7
122:21:34:02	42 29.9244	87 46.7371	33178.83	-1.68	49643.84	-1.62	+08	+06	+07	4.1	174.8	13.2
122:21:45:02	42 29.2240	87 46.6802	33183.34	-1.68	49651.85	-1.62	+08	+07	+06	4.1	174.8	13.5
122:21:46:02	42 29.1489	87 46.6643	33183.71	-1.68	49652.56	-1.62	+08	+06	+08	4.7	170.5	12.4
122:21:47:02	42 29.0997	87 46.6726	33184.13	-1.68	49653.28	-1.62	+09	+08	+08	3.7	177.1	13.3
122:21:48:02	42 29.0372	87 46.6669	33184.54	-1.68	49654.03	-1.62	+08	+06	+06	3.7	174.7	13.7
122:21:49:02	42 28.9749	87 46.6601	33184.92	-1.68	49654.73	-1.62	+09	+06	+08	3.8	175.5	13.4
122:21:50:02	42 28.9129	87 46.6519	33185.33	-1.68	49655.48	-1.62	+08	+06	+07	3.5	174.2	13.2
122:21:51:02	42 28.8487	87 46.6429	33185.72	-1.68	49656.19	-1.62	+09	+06	+06	4.1	171.2	13.3
122:22:08:00	42 28.4172	87 46.9754	33189.92	-1.68	49660.00	-1.62	+08	+06	+07	4.5	357.2	0.0
122:22:09:00	42 28.4915	87 46.9798	33189.44	-1.68	49659.15	-1.62	+09	+07	+05	4.7	359.6	0.0
122:22:10:00	42 28.5660	87 46.9861	33188.96	-1.68	49658.30	-1.62	+08	+08	+06	4.6	335.7	0.0
122:22:11:00	42 28.6412	87 46.9907	33188.47	-1.68	49657.44	-1.62	+09	+08	+08	4.7	358.7	0.0
122:22:12:00	42 28.7150	87 46.9969	33188.00	-1.68	49656.60	-1.62	+08	+06	+06	4.3	336.5	0.0
122:22:13:00	42 28.7893	87 47.0023	33187.52	-1.68	49655.75	-1.62	+09	+07	+07	4.4	358.4	0.0
122:22:14:00	42 28.8617	87 47.0095	33187.06	-1.68	49654.92	-1.62	+08	+06	+06	4.4	353.1	0.0
122:22:15:00	42 28.9361	87 47.0125	33186.56	-1.68	49654.07	-1.62	+09	+07	+06	4.6	358.3	0.0
122:22:16:00	42 28.9959	87 47.0132	33186.20	-1.68	49653.39	-1.62	+08	+06	+06	2.9	331.6	0.0
122:22:17:00	42 29.0223	87 47.0431	33186.12	-1.68	49653.02	-1.62	+09	+07	+06	2.4	299.9	0.0
122:22:18:00	42 29.0600	87 47.0891	33186.06	-1.68	49652.45	-1.62	+05	+06	+06	2.9	319.1	0.0
122:22:19:00	42 29.0980	87 47.1490	33186.05	-1.68	49651.83	-1.62	+07	+06	+06	3.4	315.4	0.0
122:22:20:00	42 29.1372	87 47.1942	33185.98	-1.68	49651.27	-1.62	+08	+06	+06	3.1	317.3	0.0
122:22:21:00	42 29.1571	87 47.2223	33185.96	-1.68	49650.96	-1.62	+09	+06	+07	1.1	316.7	0.0
122:22:22:00	42 29.1735	87 47.2313	33185.89	-1.68	49650.75	-1.62	+08	+06	+06	1.0	347.6	0.0
122:22:23:00	42 29.2089	87 47.3685	33186.23	-1.69	49649.96	-1.62	+09	+06	+06	6.6	278.7	0.0

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123:15:49:10	42 28.3244	87 46.7859	33185.77	-1.70	49661.59	-1.60	+09	+06	+06	4.5	351.5	11.6
123:15:50:00	42 28.4603	87 46.8121	33188.96	-1.70	49659.99	-1.60	+08	+06	+06	4.4	348.6	11.4
123:15:55:02	42 28.8340	87 46.8845	33186.75	-1.70	49655.61	-1.60	+08	+06	+06	4.2	353.4	11.7
123:16:00:02	42 29.2064	87 46.9561	33184.53	-1.70	49651.25	-1.60	+08	+06	+06	5.4	6.2	11.1
123:16:05:02	42 29.5711	87 47.0537	33182.47	-1.70	49646.84	-1.60	+08	+06	+06	4.7	353.9	11.7
123:16:10:02	42 29.9463	87 47.1147	33180.23	-1.70	49642.48	-1.60	+09	+06	+05	4.5	354.2	11.6
123:16:15:02	42 30.3146	87 47.1896	33178.03	-1.70	49638.12	-1.60	+08	+05	+05	4.6	352.3	12.0
123:16:20:02	42 30.6860	87 47.2698	33175.86	-1.70	49633.72	-1.60	+09	+06	+06	4.4	351.4	12.3
123:16:25:02	42 31.0572	87 47.3497	33173.70	-1.70	49629.33	-1.60	+08	+06	+06	4.5	351.8	11.9
123:16:30:02	42 31.4330	87 47.4238	33171.51	-1.70	49624.91	-1.60	+09	+06	+06	4.6	353.7	12.1
123:16:35:02	42 31.8067	87 47.4986	33169.29	-1.70	49620.50	-1.60	+08	+05	+05	4.4	349.3	10.8
123:16:40:02	42 32.1795	87 47.5825	33167.14	-1.70	49616.06	-1.60	+09	+06	+05	4.7	352.9	12.2
123:16:45:02	42 32.5540	87 47.6604	33164.96	-1.70	49611.63	-1.60	+08	+05	+05	4.4	352.7	11.9
123:16:50:02	42 32.9290	87 47.7430	33162.77	-1.70	49607.21	-1.60	+08	+06	+06	4.5	351.7	10.3
123:16:55:02	42 33.3051	87 47.7495	33160.28	-1.70	49602.58	-1.60	+08	+05	+05	4.6	4.7	10.2
123:17:00:02	42 33.6796	87 47.6826	33157.49	-1.70	49599.00	-1.60	+09	+06	+06	4.3	8.8	10.5
123:17:05:02	42 34.0540	87 47.6415	33154.80	-1.70	49594.41	-1.60	+08	+06	+06	4.6	8.3	10.9
123:17:10:02	42 34.4331	87 47.6028	33152.12	-1.70	49590.81	-1.60	+09	+06	+05	4.4	8.8	10.6
123:17:15:02	42 34.8133	87 47.5518	33149.40	-1.70	49586.76	-1.60	+08	+06	+06	4.5	1.7	10.2
123:17:20:02	42 35.1888	87 47.5158	33146.76	-1.70	49582.69	-1.60	+09	+05	+06	4.6	3.6	10.1
123:17:25:02	42 35.5633	87 47.4779	33144.09	-1.70	49578.61	-1.60	+08	+05	+06	4.4	5.5	9.5
123:17:30:02	42 35.9364	87 47.4338	33141.43	-1.70	49574.60	-1.60	+09	+06	+06	4.4	4.2	9.4
123:17:35:02	42 36.3066	87 47.3831	33138.79	-1.70	49570.66	-1.60	+08	+06	+05	4.8	2.7	11.2
123:17:40:02	42 36.6799	87 47.4104	33136.43	-1.70	49566.41	-1.60	+09	+06	+05	4.8	1.3	11.1
123:17:45:02	42 37.0461	87 47.4160	33133.98	-1.70	49562.30	-1.60	+08	+06	+06	4.5	2.4	11.7
123:17:50:02	42 37.4135	87 47.4194	33131.57	-1.70	49558.17	-1.60	+09	+05	+06	4.3	354.3	11.9
123:17:55:02	42 37.7801	87 47.4370	33129.17	-1.70	49554.03	-1.60	+08	+06	+06	4.6	1.3	11.4

123:18:00:02	42 36.1497	87 47.4424	33126.76	-1.70	49549.90	-1.60	+09 +05 +05	4.2	0.0	11.2
123:18:05:02	42 36.5222	87 47.4475	33124.33	-1.70	49545.73	-1.60	+08 +05 +06	4.5	357.2	10.5
123:18:10:02	42 38.8940	87 47.4600	33121.91	-1.70	49541.56	-1.60	+09 +05 +06	4.5	355.9	10.0
123:18:13:57	42 39.1856	87 47.4681	33120.06	-1.70	49538.34	-1.60	+09 +05 +06	4.6	1.3	9.9
123:18:15:02	42 39.2658	87 47.4673	33119.50	-1.70	49537.36	-1.60	+08 +06 +06	4.1	9.6	9.9
123:18:20:02	42 39.2215	87 47.3039	33119.13	-1.70	49538.39	-1.60	+08 +06 +06	4.4	242.7	10.4
123:18:25:02	42 39.1353	87 47.7672	33121.60	-1.70	49537.90	-1.60	+09 +05 +06	4.5	267.2	8.7
123:18:30:02	42 39.2442	87 48.1894	33122.59	-1.70	49535.37	-1.60	+08 +05 +05	4.5	334.5	6.1
123:18:33:02	42 39.2153	87 48.2124	33122.91	-1.70	49535.60	-1.60	+09 +06 +05	4.4	113.2	6.0
123:18:35:02	42 39.2147	87 48.0176	33122.10	-1.70	49536.21	-1.60	+09 +07 +06	4.3	91.0	7.2
123:18:40:02	42 39.2100	87 47.5202	33120.12	-1.70	49537.84	-1.60	+08 +05 +06	4.4	93.8	9.7
123:18:45:02	42 39.1985	87 47.0221	33118.07	-1.70	49539.47	-1.60	+09 +06 +06	4.6	86.8	10.3
123:18:50:02	42 39.2046	87 46.5276	33115.98	-1.70	49540.93	-1.60	+08 +05 +06	4.4	88.6	11.6
123:18:55:02	42 39.2078	87 46.0350	33113.91	-1.70	49542.43	-1.60	+09 +06 +06	4.3	88.6	12.6
123:19:00:02	42 39.2117	87 45.5475	33111.83	-1.70	49543.84	-1.60	+08 +06 +05	4.3	87.6	13.2
123:19:05:02	42 39.2123	87 45.0570	33109.76	-1.70	49545.31	-1.60	+09 +05 +06	4.4	94.7	13.1
123:19:10:02	42 39.1985	87 44.5657	33107.74	-1.70	49546.95	-1.60	+08 +06 +06	4.3	92.9	17.3
123:19:15:02	42 39.2143	87 44.0798	33105.59	-1.70	49548.28	-1.60	+09 +07 +05	4.3	91.0	17.3
123:19:20:02	42 39.2146	87 43.5946	33103.54	-1.70	49549.71	-1.60	+08 +05 +06	4.2	92.5	16.3
123:19:25:02	42 39.2140	87 43.1173	33101.52	-1.70	49551.17	-1.60	+08 +06 +05	4.1	89.5	17.9
123:19:30:02	42 39.2119	87 42.6500	33099.52	-1.70	49552.58	-1.60	+08 +06 +05	4.1	92.0	17.9
123:19:35:02	42 39.2020	87 42.1767	33097.54	-1.70	49554.05	-1.60	+09 +05 +06	4.1	90.0	17.2
123:19:40:02	42 39.2079	87 41.7088	33095.52	-1.70	49555.42	-1.60	+08 +06 +07	4.0	85.9	22.1
123:19:45:02	42 39.1467	87 41.3217	33094.23	-1.70	49557.21	-1.60	+09 +06 +06	4.0	191.0	26.6
123:19:50:02	42 38.8140	87 41.5172	33097.27	-1.70	49560.31	-1.60	+08 +06 +05	4.5	200.1	26.3
123:19:55:02	42 38.4711	87 41.6705	33100.24	-1.70	49563.71	-1.60	+09 +07 +06	4.5	196.1	27.0
123:20:00:02	42 38.1266	87 41.8184	33103.15	-1.70	49567.10	-1.60	+08 +06 +05	4.4	201.4	27.8
123:20:05:02	42 37.7857	87 41.9735	33106.07	-1.70	49570.44	-1.60	+08 +06 +06	4.3	202.7	28.2
123:20:10:02	42 37.4510	87 42.1505	33109.04	-1.70	49573.64	-1.60	+08 +05 +06	4.4	201.4	28.2
123:20:15:02	42 37.1157	87 42.3217	33112.04	-1.70	49576.88	-1.60	+09 +06 +06	4.2	197.9	28.0
123:20:20:02	42 36.7744	87 42.4732	33114.96	-1.70	49580.26	-1.60	+08 +06 +07	4.2	198.4	28.1
123:20:22:02	42 36.6380	87 42.5361	33116.12	-1.70	49581.57	-1.60	+08 +06 +07	4.6	199.8	28.1
123:20:25:02	42 36.5853	87 42.8104	33117.63	-1.70	49581.34	-1.60	+09 +06 +07	4.4	267.7	20.6
123:20:30:02	42 36.5844	87 43.3062	33119.76	-1.70	49579.86	-1.60	+08 +06 +06	4.3	272.9	14.2
123:20:35:02	42 36.5877	87 43.8058	33121.87	-1.70	49578.33	-1.60	+09 +05 +06	4.4	272.8	17.3
123:20:40:02	42 36.5825	87 44.3077	33124.03	-1.70	49576.90	-1.60	+08 +07 +05	4.4	266.7	15.4
123:20:45:02	42 36.5778	87 44.8030	33126.17	-1.70	49575.48	-1.60	+08 +06 +05	4.4	269.1	17.0
123:20:50:02	42 36.5897	87 45.2963	33128.19	-1.70	49573.82	-1.60	+09 +06 +06	4.5	272.3	16.3
123:20:55:02	42 36.5869	87 45.8001	33130.31	-1.70	49572.32	-1.60	+08 +06 +06	4.3	265.2	14.6
123:21:00:02	42 36.5765	87 46.2991	33132.44	-1.70	49570.90	-1.60	+08 +07 +06	4.2	269.5	14.4
123:21:05:02	42 36.5876	87 46.7948	33134.46	-1.70	49569.26	-1.60	+08 +06 +07	4.4	268.6	12.3
123:21:10:02	42 36.5959	87 47.2866	33136.43	-1.70	49567.63	-1.60	+09 +06 +06	4.4	270.0	11.4
123:21:15:02	42 36.5883	87 47.7794	33138.52	-1.70	49566.18	-1.60	+08 +05 +06	4.2	266.6	11.2
123:21:20:02	42 36.5848	87 48.2797	33140.61	-1.70	49564.70	-1.60	+09 +06 +06	4.3	271.0	9.5
123:21:24:37	42 36.5723	87 48.7283	33142.49	-1.70	49563.39	-1.60	+08 +06 +07	4.0	239.1	6.4
123:21:25:02	42 36.5510	87 48.7483	33142.80	-1.70	49563.56	-1.60	+08 +06 +06	3.5	207.0	6.3
123:21:30:02	42 36.3383	87 48.4243	33142.91	-1.70	49567.15	-1.60	+09 +06 +06	2.4	129.9	8.2
123:21:35:02	42 36.0836	87 48.0648	33143.07	-1.70	49570.91	-1.60	+08 +06 +06	5.6	135.2	10.7
123:21:40:00	42 35.8670	87 47.6922	33143.65	-1.70	49574.49	-1.60	+09 +07 +06	4.2	130.1	11.2
123:21:45:02	42 35.6229	87 47.3872	33143.36	-1.70	49578.21	-1.60	+08 +06 +07	4.4	138.0	9.6
123:21:50:02	42 35.3786	87 47.0790	33143.70	-1.70	49581.94	-1.60	+09 +07 +06	2.8	124.1	12.5
123:21:55:02	42 35.1495	87 46.7189	33143.70	-1.70	49585.42	-1.60	+08 +06 +07	4.0	127.5	14.0
123:22:00:02	42 34.9345	87 46.3841	33143.75	-1.70	49588.89	-1.60	+09 +06 +07	3.1	128.8	14.8
123:22:05:02	42 34.7156	87 46.0777	33143.94	-1.70	49592.35	-1.60	+08 +06 +06	3.6	134.7	14.1
123:22:10:02	42 34.4989	87 45.7664	33144.08	-1.70	49595.70	-1.60	+08 +06 +06	4.0	133.6	15.3
123:22:15:02	42 34.2621	87 45.4317	33144.38	-1.70	49599.37	-1.60	+08 +06 +06	3.7	131.5	15.2

123:22:20:02	42	34.0346	87	45.1105	33144.45	-1.70	49602.92	-1.60	+08	+06	+06	4.0	128.6	15.9
123:22:25:02	42	33.8072	87	44.7816	33144.59	-1.70	49606.46	-1.60	+08	+07	+06	4.0	138.0	16.7
123:22:30:02	42	33.5670	87	44.4563	33144.79	-1.70	49610.08	-1.60	+08	+06	+07	4.6	137.9	16.3
123:22:35:02	42	33.3440	87	44.1164	33144.94	-1.70	49613.72	-1.60	+08	+07	+07	3.5	114.1	18.7
123:22:40:02	42	33.1083	87	43.7924	33145.06	-1.70	49617.22	-1.60	+09	+06	+06	3.7	159.7	24.3
123:22:45:02	42	33.0707	87	44.2068	33147.07	-1.70	49616.40	-1.60	+09	+07	+07	4.0	265.9	16.4
123:22:50:02	42	33.0646	87	44.6437	33148.96	-1.70	49615.16	-1.60	+08	+06	+07	3.9	273.7	15.0
123:22:55:02	42	33.0572	87	45.0935	33150.88	-1.70	49613.84	-1.60	+09	+07	+06	3.9	267.9	16.2
123:23:00:02	42	33.0653	87	45.5446	33152.72	-1.70	49612.38	-1.60	+08	+06	+06	4.1	267.5	15.1
123:23:05:02	42	33.0575	87	45.9896	33154.64	-1.70	49611.11	-1.60	+09	+06	+06	3.8	266.2	14.6
123:23:10:02	42	33.0679	87	46.4357	33156.43	-1.70	49609.61	-1.60	+08	+06	+06	4.0	272.1	13.5
123:23:15:02	42	33.0545	87	46.8822	33158.40	-1.70	49608.41	-1.60	+09	+07	+07	4.0	269.0	13.6
123:23:20:02	42	33.0634	87	47.3328	33160.20	-1.70	49606.91	-1.60	+08	+06	+06	4.3	271.0	12.4
123:23:25:02	42	33.0651	87	47.7887	33162.05	-1.70	49605.48	-1.60	+09	+06	+06	3.8	270.5	10.2
123:23:30:02	42	33.0610	87	48.2385	33163.92	-1.70	49604.15	-1.60	+08	+05	+06	4.1	271.5	7.3
123:23:31:33	42	33.0645	87	48.3777	33164.49	-1.70	49603.67	-1.60	+09	+06	+06	3.9	271.1	6.3

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124:13:50:02	42 29.1249	87 47.7703	33188.51	-1.70	49649.65	-1.60	+07	+03	+03	0.4	137.9	0.0
124:13:55:02	42 29.0340	87 47.8189	33188.48	-1.70	49651.08	-1.60	+07	+02	+07	4.6	125.0	0.0
124:14:05:02	42 28.8544	87 46.8976	33188.11	-1.70	49657.59	-1.60	+06	+03	+02	3.7	176.1	11.1
124:14:10:02	42 28.4618	87 46.5763	33181.55	-1.70	49660.33	-1.60	-20	-20	-20	5.0	153.2	12.4
124:14:15:02	42 28.4928	87 46.8842	33178.60	-1.70	49647.61	-1.60	-20	-20	-05	4.6	347.0	11.4
124:14:20:02	42 28.9652	87 46.9813	33186.95	-1.70	49654.96	-1.60	+08	+06	+06	4.6	351.7	10.6
124:14:25:02	42 29.0381	87 47.0628	33184.76	-1.70	49650.49	-1.60	+09	+07	+07	4.4	352.0	10.1
124:14:30:02	42 29.0107	87 47.1363	33182.57	-1.70	49646.12	-1.60	+08	+07	+06	4.6	350.0	10.5
124:14:35:02	42 29.9845	87 47.2108	33180.36	-1.70	49641.73	-1.60	+09	+07	+06	4.6	351.1	10.3
124:14:40:02	42 30.3512	87 47.7018	33178.24	-1.70	49637.29	-1.60	+08	+06	+05	4.8	350.8	11.3
124:14:45:02	42 30.7354	87 47.3496	33175.96	-1.70	49632.82	-1.60	+09	+06	+06	4.5	352.2	11.1
124:14:50:02	42 31.1150	87 47.4421	33173.73	-1.70	49628.39	-1.60	+08	+06	+06	4.7	350.6	11.1
124:14:55:02	42 31.4615	87 47.5331	33171.59	-1.70	49623.90	-1.60	+08	+06	+06	4.2	348.2	10.3
124:15:00:02	42 31.8536	87 47.6063	33169.38	-1.70	49619.53	-1.60	+09	+07	+07	4.3	353.6	10.9
124:15:05:02	42 32.2272	87 47.6854	33167.22	-1.70	49615.15	-1.60	+08	+06	+06	4.5	351.5	11.4
124:15:10:02	42 32.6008	87 47.7661	33165.06	-1.70	49610.72	-1.60	+09	+06	+06	4.4	350.6	10.6
124:15:15:02	42 32.9723	87 47.8378	33162.88	-1.70	49606.32	-1.60	+08	+06	+05	4.4	350.7	9.7
124:15:15:57	42 33.0417	87 47.8511	33162.51	-1.70	49605.61	-1.60	+08	+06	+06	4.5	351.9	9.5
124:15:20:02	42 33.0010	87 47.9520	33163.17	-1.70	49605.63	-1.60	+08	+06	+05	4.4	166.8	9.2
124:15:25:02	42 32.6525	87 47.8659	33165.14	-1.70	49609.83	-1.60	+08	+06	+07	4.2	170.4	10.2
124:15:30:02	42 32.3104	87 47.8010	33167.17	-1.70	49613.84	-1.60	+09	+06	+06	4.1	171.1	10.2
124:15:35:00	42 31.9738	87 47.7211	33169.14	-1.70	49617.90	-1.60	+08	+06	+06	21.0	168.8	10.9
124:15:40:00	42 31.6259	87 47.6614	33171.23	-1.70	49621.97	-1.60	+09	+07	+06	4.3	169.7	10.9
124:15:45:00	42 31.2726	87 47.5839	33173.27	-1.70	49626.16	-1.60	+08	+06	+06	4.4	174.2	10.3
124:15:50:00	42 30.9293	87 47.5084	33175.26	-1.70	49630.33	-1.60	+09	+07	+07	4.2	170.7	10.4
124:15:55:00	42 30.5802	87 47.4342	33177.29	-1.70	49634.37	-1.60	+08	+06	+06	4.0	165.6	10.8
124:16:00:00	42 30.2304	87 47.3579	33179.33	-1.70	49638.51	-1.60	+09	+06	+06	4.2	166.7	10.6
124:16:05:00	42 29.8810	87 47.2980	33181.43	-1.70	49642.61	-1.60	+08	+06	+06	4.4	177.1	9.7
124:16:10:00	42 29.5328	87 47.2086	33183.40	-1.70	49646.78	-1.60	+09	+07	+06	4.1	165.2	10.0
124:16:14:00	42 29.2481	87 47.1563	33185.09	-1.70	49650.12	-1.60	+09	+06	+07	4.3	173.1	9.6
124:16:15:00	42 29.1773	87 47.1419	33185.51	-1.70	49650.96	-1.60	+08	+06	+07	4.1	171.5	9.7
124:16:20:00	42 28.8288	87 47.0837	33187.61	-1.70	49655.04	-1.60	+09	+06	+06	4.3	169.3	9.6
124:16:25:00	42 28.5310	87 47.0362	33189.42	-1.70	49658.52	-1.60	+08	+06	+06	0.9	180.8	0.0
124:16:30:00	42 28.8990	87 47.4505	33188.67	-1.70	49653.13	-1.60	+08	+06	+06	7.2	321.4	0.0
124:16:35:00	42 29.2724	87 47.9145	33188.08	-1.70	49647.53	-1.60	+08	+05	+05	4.4	266.5	0.0
124:16:40:00	42 29.1090	87 48.0712	33189.82	-1.70	49648.88	-1.60	+08	+06	+06	5.2	265.3	0.0
124:16:45:00	42 29.1083	87 48.1241	33190.09	-1.70	49648.69	-1.60	+09	+06	+06	0.2	166.1	0.0
124:16:50:00	42 29.1064	87 48.1350	33190.10	-1.70	49648.71	-1.60	+09	+06	+06	0.1	190.8	0.0
124:16:55:00	42 29.1087	87 48.0882	33189.90	-1.70	49648.83	-1.60	+09	+07	+06	4.4	81.6	0.0
124:17:00:00	42 29.2595	87 47.8581	33187.93	-1.70	49647.85	-1.60	+08	+05	+05	5.9	101.0	0.0
124:17:05:00	42 29.1491	87 47.9150	33189.85	-1.70	49647.68	-1.60	+08	+06	+06	4.3	169.1	0.0

124:17:10:00	42 29.6391	87 46.5691	33180.05	-1.70	49647.58	-1.60	+08	+06	+05	6.3	72.3	0.0
124:17:15:00	42 29.7825	87 45.9005	33176.26	-1.70	49647.96	-1.60	+09	+06	+06	5.9	72.4	0.0
124:17:20:00	42 29.9250	87 45.2302	33172.49	-1.70	49648.39	-1.60	+08	+06	+06	5.4	72.5	0.0
124:17:25:00	42 30.0635	87 44.5655	33168.76	-1.70	49648.85	-1.60	+09	+06	+06	6.0	74.5	0.0
124:17:30:00	42 30.1708	87 44.1693	33166.37	-1.70	49648.84	-1.60	+08	+05	+06	3.6	78.6	0.0

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124:17:35:00	42 30.1626	87 43.8832	33163.52	0.00	49648.19	0.00	+08	+06	+05	4.1	61.0	0.0
124:17:40:00	42 30.5363	87 43.3683	33160.52	-1.70	49647.15	-1.60	+08	+05	+05	4.2	59.4	35.3
124:17:45:00	42 30.4694	87 43.2065	33160.28	-1.70	49648.38	-1.60	+09	+07	+06	4.3	239.5	36.4
124:17:47:00	42 30.4475	87 43.4030	33161.27	-1.70	49648.04	-1.60	+09	+06	+05	4.6	260.2	35.0
124:17:50:00	42 30.4587	87 43.6977	33162.44	-1.70	49647.03	-1.60	+08	+05	+06	4.2	274.7	32.7
124:17:55:00	42 30.4442	87 44.1940	33164.64	-1.70	49645.71	-1.60	+09	+06	+05	4.5	266.8	27.0
124:18:00:00	42 30.4538	87 44.7005	33166.71	-1.70	49644.08	-1.60	+08	+05	+06	4.7	273.3	16.6
124:18:05:00	42 30.4439	87 45.2024	33168.89	-1.70	49642.67	-1.60	+09	+06	+06	4.3	270.6	15.2
124:18:15:00	42 30.4457	87 46.1981	33173.05	-1.70	49639.64	-1.60	+09	+06	+05	4.0	271.0	14.9
124:18:20:00	42 30.4490	87 46.6841	33175.05	-1.70	49638.12	-1.60	+08	+06	+06	4.2	269.9	13.2
124:18:25:00	42 30.4462	87 47.1801	33177.14	-1.70	49636.64	-1.60	+09	+05	+05	4.3	268.3	11.9
124:18:30:00	42 30.4482	87 47.6745	33179.18	-1.70	49635.11	-1.60	+08	+05	+06	4.5	271.7	8.6
124:18:34:00	42 30.4494	87 48.0697	33180.81	-1.70	49633.88	-1.60	+09	+05	+06	4.6	270.8	5.5
124:18:35:00	42 30.4505	87 48.1479	33181.33	-1.70	49633.97	-1.60	+09	+06	+06	3.9	321.6	4.6
124:18:40:00	42 30.0967	87 47.9605	33182.72	-1.70	49638.16	-1.60	+08	+05	+06	4.2	150.2	5.6
124:18:45:00	42 29.7810	87 47.7355	33183.91	-1.70	49642.39	-1.60	+05	+07	+06	4.3	149.3	6.5
124:18:50:00	42 29.4704	87 47.5118	33185.07	-1.70	49646.55	-1.60	+05	+06	+06	4.4	151.7	8.1
124:18:55:00	42 29.1801	87 47.2797	33186.06	-1.70	49650.51	-1.60	+08	+05	+05	3.9	109.7	9.5
124:18:57:00	42 29.3028	87 47.2429	33185.89	-1.70	49649.28	-1.60	+05	+06	+06	4.7	330.1	9.8
124:19:00:00	42 29.5229	87 47.2969	33185.63	-1.70	49646.62	-1.60	+08	+06	+06	4.6	327.7	9.3
124:19:05:00	42 29.8879	87 47.3914	33184.72	-1.70	49642.12	-1.60	+07	+07	+06	4.3	329.1	9.7
124:19:10:00	42 30.2719	87 47.4485	33179.47	-1.70	49637.78	-1.60	+08	+06	+06	4.3	0.3	9.9
124:19:15:00	42 30.6446	87 47.5356	33174.44	-1.70	49633.44	-1.60	+05	+06	+05	4.7	347.5	10.3
124:19:20:00	42 31.0139	87 47.6233	33173.18	-1.70	49628.95	-1.60	+09	+06	+06	4.2	348.4	10.1
124:19:25:00	42 31.3[illegible]	[illegible] 8831	33172.92	-1.70	49624.59	-1.60	+08	+05	+05	4.4	349.8	10.0
124:19:30:00	42 31.7560	87 47.7723	33170.81	-1.70	49620.18	-1.60	+09	+05	+06	4.5	350.4	10.2
124:19:35:00	42 32.1263	87 47.8405	33168.62	-1.70	49615.83	-1.60	+08	+06	+05	4.4	355.2	9.7
124:19:40:00	42 32.4985	87 47.9240	33166.47	-1.70	49611.41	-1.60	+08	+06	+06	4.2	351.2	9.5
124:19:45:00	42 32.8694	87 48.0130	33164.36	-1.70	49606.99	-1.60	+08	+05	+05	4.5	356.1	5.8
124:19:50:00	42 33.1902	87 48.1637	33162.84	-1.70	49602.94	-1.60	+08	+05	+05	4.8	274.6	7.8
124:19:55:00	42 32.8762	87 48.1007	33164.68	-1.70	49606.65	-1.60	+08	+05	+05	4.2	170.9	8.2
124:20:00:00	42 32.5246	87 48.0207	33166.70	-1.70	49610.82	-1.60	+08	+05	+05	4.2	173.6	8.9
124:20:05:00	42 32.1693	87 47.9519	33168.79	-1.70	49615.01	-1.60	+08	+05	+06	4.3	165.0	9.4
124:20:10:00	42 31.8162	87 47.8727	33170.83	-1.70	49619.20	-1.60	+09	+06	+06	4.3	165.7	8.8
124:20:15:00	42 31.4609	87 47.8060	33172.93	-1.70	49623.36	-1.60	+08	+05	+06	4.2	166.2	9.3
124:20:20:00	42 31.1101	87 47.7369	33175.00	-1.70	49627.51	-1.60	+08	+06	+05	4.1	169.6	9.5
124:20:25:00	42 30.7634	87 47.6554	33176.98	-1.70	49631.64	-1.60	+08	+05	+06	4.3	175.4	9.7
124:20:30:00	42 30.4173	87 47.5883	33179.03	-1.70	49635.72	-1.60	+09	+06	+05	4.2	174.9	9.0
124:20:35:00	42 30.0733	87 47.5119	33181.02	-1.70	49639.80	-1.60	+08	+05	+06	3.9	172.1	8.9
124:20:40:00	42 29.7262	87 47.4347	33183.07	-1.70	49643.92	-1.60	+09	+05	+05	4.3	174.5	8.8
124:20:45:00	42 29.3800	87 47.3747	33185.11	-1.70	49647.98	-1.60	+08	+06	+05	4.0	168.6	8.6

124:20:50:00	42 29.0284	87 47.2915	33187.13	-1.70	49652.17	-1.60	+08	+05	+06	4.3	164.3	10.6
124:20:55:00	42 29.2494	87 47.4227	33186.19	-1.70	49649.29	-1.60	+08	+06	+06	4.5	351.1	9.6
124:21:00:00	42 29.6302	87 47.5223	33184.04	-1.70	49644.73	-1.60	+08	+06	+06	4.9	348.9	9.4
124:21:05:00	42 30.0146	87 47.5924	33181.75	-1.70	49640.21	-1.60	+08	+05	+06	4.9	352.4	9.3
124:21:10:00	42 30.3959	87 47.6749	33179.53	-1.70	49635.69	-1.60	+08	+05	+05	4.7	343.9	9.2
124:21:15:00	42 30.7716	87 47.7598	33177.36	-1.70	49631.23	-1.60	+08	+05	+06	4.4	347.3	10.0
124:21:20:00	42 31.1481	87 47.8361	33175.15	-1.70	49626.78	-1.60	+08	+06	+05	4.6	356.3	9.9
124:21:25:00	42 31.5290	87 47.9007	33172.87	-1.70	49622.32	-1.60	+08	+05	+05	4.5	356.9	9.1
124:21:30:00	42 31.9072	87 47.9815	33170.67	-1.70	49617.85	-1.60	+08	+06	+05	4.7	348.1	9.7
124:21:35:00	42 32.2841	87 48.0804	33168.56	-1.70	49613.33	-1.60	+09	+06	+06	4.7	351.9	10.0
124:21:40:00	42 32.6663	87 48.1465	33166.27	-1.70	49608.85	-1.60	+08	+06	+05	4.6	354.3	8.7
124:21:45:00	42 33.0515	87 48.2254	33164.03	-1.70	49604.30	-1.60	+08	+05	+06	4.5	345.8	8.3
124:21:50:00	42 32.9679	87 48.3145	33164.96	-1.70	49604.96	-1.60	+08	+06	+07	4.3	175.9	7.1
124:21:55:00	42 32.8285	87 48.2314	33166.88	-1.70	49609.01	-1.60	+09	+06	+06	4.2	166.8	7.9
124:22:00:00	42 32.2770	87 48.1564	33168.92	-1.70	49613.17	-1.60	+08	+06	+06	4.5	176.6	9.2
124:22:05:00	42 31.9254	87 48.0872	33170.99	-1.70	49617.32	-1.60	+09	+06	+06	4.4	173.1	8.7
124:22:10:00	42 31.5709	87 48.0146	33173.06	-1.70	49621.51	-1.60	+08	+06	+06	4.2	173.9	9.1
124:22:15:00	42 31.2245	87 47.9386	33175.07	-1.70	49625.61	-1.60	+09	+06	+06	4.1	166.9	9.2
124:22:20:00	42 30.8669	87 47.8592	33177.13	-1.70	49629.86	-1.60	+07	+06	+06	4.2	174.9	9.7
124:22:25:00	42 30.5069	87 47.7993	33179.30	-1.70	49634.07	-1.60	+09	+06	+06	4.5	176.2	8.5
124:22:30:00	42 30.1555	87 47.7141	33181.31	-1.70	49638.26	-1.60	+08	+06	+06	4.4	165.2	8.6
124:22:35:00	42 29.8068	87 47.6457	33183.37	-1.70	49642.37	-1.60	+09	+06	+06	4.2	177.5	9.5
124:22:40:00	42 29.4571	87 47.5764	33185.42	-1.70	49646.50	-1.60	+08	+06	+07	4.5	171.8	8.8
124:22:44:00	42 29.1781	87 47.5155	33187.06	-1.70	49649.81	-1.60	+08	+06	+06	4.4	171.2	9.5
124:22:45:00	42 29.1209	87 47.5309	33187.51	-1.70	49650.40	-1.60	+08	+06	+06	3.3	213.4	8.7
124:22:46:30	42 29.2032	87 47.6115	33187.29	-1.70	49649.23	-1.60	+08	+06	+06	4.7	343.6	9.0
124:22:50:00	42 29.4734	87 47.6536	33185.64	-1.70	49646.08	-1.60	+08	+05	+06	4.7	352.9	8.0
124:22:55:00	42 29.8550	87 47.7420	33183.44	-1.70	49641.54	-1.60	+09	+06	+06	4.6	348.1	7.9
124:23:00:00	42 30.2353	87 47.8249	33181.23	-1.70	49637.03	-1.60	+08	+06	+06	4.6	356.6	7.8

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125:14:03:32	42 43.9384	87 45.9314	33082.31	-1.70	49490.10	-1.60	+08	+07	+06	4.2	42.8	0.0
125:14:05:02	42 44.0748	87 45.9418	33081.44	-1.70	49488.58	-1.60	+09	+07	+06	6.7	350.2	0.0
125:14:10:02	42 44.5973	87 46.0792	33078.51	-1.70	49482.17	-1.60	+08	+06	+07	3.9	351.8	0.0
125:14:15:02	42 44.7384	87 46.1090	33077.75	-1.70	49480.59	-1.60	+08	+06	+07	3.1	343.0	0.0
125:14:20:02	42 45.0446	87 46.2155	33076.18	-1.70	49476.83	-1.60	+08	+06	+07	4.3	343.6	7.7
125:14:25:02	42 45.3403	87 46.4116	33075.08	-1.70	49472.90	-1.60	+09	+06	+06	3.3	73.7	5.9
125:14:30:02	42 45.3363	87 45.4392	33073.12	-1.70	49474.46	-1.60	+08	+06	+06	4.3	92.9	8.9
125:14:35:02	42 45.3313	87 45.4516	33071.10	-1.70	49476.00	-1.60	+08	+06	+07	4.2	90.0	10.2
125:14:40:02	42 45.3259	87 44.9651	33069.05	-1.70	49477.52	-1.60	+09	+06	+06	4.4	90.5	13.2
125:14:45:02	42 45.3336	87 44.4760	33066.96	-1.70	49478.92	-1.60	+08	+06	+06	4.4	91.4	14.2
125:14:50:02	42 45.3252	87 43.9905	33064.95	-1.70	49480.52	-1.60	+09	+06	+06	4.3	89.5	15.5
125:14:55:02	42 45.3258	87 43.5087	33062.89	-1.70	49481.96	-1.60	+08	+06	+07	4.3	90.5	15.5
125:15:00:02	42 45.3288	87 43.0295	33060.83	-1.70	49483.39	-1.60	+09	+07	+06	4.1	93.0	18.0
125:15:05:02	42 45.3259	87 42.5426	33058.75	-1.70	49484.86	-1.60	+08	+06	+07	4.1	92.5	20.3
125:15:10:02	42 45.3261	87 42.0504	33056.63	-1.70	49486.35	-1.60	+08	+06	+07	4.3	88.1	22.8
125:15:15:02	42 45.3302	87 41.5509	33054.48	-1.70	49487.80	-1.60	+08	+06	+06	4.5	91.9	22.6
125:15:20:02	42 45.3254	87 41.0460	33052.35	-1.70	49489.34	-1.60	+09	+06	+06	4.3	90.5	23.6
125:15:25:02	42 45.3264	87 40.5421	33050.15	-1.70	49490.83	-1.60	+07	+06	+06	4.5	88.2	23.0
125:15:30:02	42 45.3266	87 40.0370	33047.96	-1.70	49492.31	-1.60	+09	+06	+06	4.6	92.3	24.4
125:15:35:02	42 45.3220	87 39.5417	33045.83	-1.70	49493.86	-1.60	+08	+05	+06	4.5	87.7	25.5
125:15:40:02	42 45.3153	87 39.0440	33043.70	-1.70	49495.36	-1.60	+08	+06	+06	4.3	118.6	27.6
125:15:45:02	42 45.0117	87 39.1675	33046.26	-1.70	49498.38	-1.60	+08	+05	+06	4.3	193.6	27.9
125:15:50:02	42 44.6517	87 39.2629	33049.01	-1.70	49502.09	-1.60	+09	+06	+06	4.3	194.4	24.7
125:15:55:02	42 44.2940	87 39.3656	33051.79	-1.70	49505.78	-1.60	+08	+06	+06	4.1	191.9	23.1
125:16:00:02	42 43.9344	87 39.4647	33054.60	-1.70	49509.48	-1.60	+09	+05	+07	4.5	191.3	28.1
125:16:05:02	42 43.5761	87 39.5469	33057.31	-1.70	49513.22	-1.60	+08	+05	+07	4.4	193.8	26.4
125:16:10:02	42 43.2199	87 39.6531	33060.13	-1.70	49516.89	-1.60	+09	+05	+05	4.5	192.0	28.8
125:16:15:02	42 42.8612	87 39.7366	33062.85	-1.70	49520.62	-1.60	+08	+06	+05	4.8	195.3	27.9
125:16:20:02	42 42.5033	87 39.8236	33065.58	-1.70	49524.36	-1.60	+09	+06	+05	4.3	190.3	26.0
125:16:25:02	42 42.1455	87 39.9365	33068.45	-1.70	49527.98	-1.60	+08	+06	+07	4.2	189.0	23.6
125:16:29:03	42 41.8573	87 40.0038	33070.63	-1.70	49531.00	-1.60	+08	+05	+05	4.4	196.6	24.1
125:16:30:02	42 41.8183	87 40.0811	33071.23	-1.70	49531.22	-1.60	+09	+05	+06	4.3	353.9	26.1
125:16:35:02	42 41.8323	87 40.5793	33073.26	-1.70	49529.55	-1.60	+08	+06	+06	4.4	269.1	25.3
125:16:40:02	42 41.8242	87 41.0798	33075.47	-1.70	49528.15	-1.60	+08	+06	+06	4.4	269.1	21.8
125:16:45:02	42 41.8246	87 41.5816	33077.62	-1.70	49526.66	-1.60	+08	+06	+06	4.4	270.5	23.6
125:16:50:02	42 41.8271	87 42.0784	33079.74	-1.70	49525.15	-1.60	+08	+06	+06	4.5	269.1	21.6
125:16:55:02	42 41.8240	87 42.5772	33081.94	-1.70	49523.74	-1.60	+08	+06	+06	4.4	267.6	20.5
125:17:00:02	42 41.8158	87 43.0757	33084.12	-1.70	49522.32	-1.60	+08	+06	+06	4.5	269.5	17.9

125:17:10:02	42 41.8279	87 44.0738	33088.29	-1.70	49519.19	-1.60	+08 +05 +06	4.5	267.2	10.2
125:17:15:02	42 41.8203	87 44.5717	33090.46	-1.70	49517.77	-1.60	+09 +06 +06	4.3	270.0	14.7
125:17:20:02	42 41.8262	87 45.0720	33092.55	-1.70	49516.21	-1.60	+09 +05 +06	4.2	270.0	12.7
125:17:25:02	42 41.8257	87 45.5717	33094.65	-1.70	49514.69	-1.60	+09 +05 +06	4.4	270.0	10.8
125:17:30:02	42 41.8207	87 46.0699	33096.77	-1.70	49513.22	-1.60	+08 +05 +05	4.3	270.0	10.1
125:17:35:02	42 41.8275	87 46.5730	33098.85	-1.70	49511.63	-1.60	+09 +06 +06	4.2	268.5	8.5
125:17:38:02	42 41.8240	87 46.8756	33100.10	-1.70	49510.73	-1.60	+08 +05 +05	4.4	271.4	7.3
125:17:40:02	42 41.9217	87 46.9848	33099.50	-1.70	49509.61	-1.60	+08 +05 +06	4.2	34.9	6.1
125:17:45:02	42 42.0756	87 46.4603	33096.76	-1.70	49509.24	-1.60	+08 +06 +05	4.4	75.9	8.9
125:17:49:02	42 41.9145	87 46.4028	33097.55	-1.70	49511.17	-1.60	+08 +06 +06	4.4	200.7	8.6
125:17:50:02	42 41.7805	87 46.4864	33098.79	-1.70	49512.37	-1.60	+08 +05 +06	4.4	204.8	8.4
125:17:55:02	42 41.4349	87 46.6593	33101.81	-1.70	49515.67	-1.60	+08 +06 +06	4.3	198.8	8.4
125:18:00:02	42 41.0939	87 46.8393	33104.80	-1.70	49518.92	-1.60	+08 +06 +06	4.3	203.1	9.6
125:18:05:02	42 40.7598	87 47.0295	33107.80	-1.70	49522.06	-1.60	+09 +05 +06	4.2	202.8	9.2
125:18:10:02	42 40.4169	87 47.2021	33110.76	-1.70	49525.31	-1.60	+08 +05 +06	4.4	198.8	9.7
125:18:15:02	42 40.0759	87 47.3733	33113.74	-1.70	49528.58	-1.60	+09 +06 +07	4.2	207.0	9.7
125:18:20:02	42 39.7417	87 47.5496	33116.76	-1.70	49531.71	-1.60	+08 +05 +06	4.5	200.9	8.9
125:18:25:02	42 39.4016	87 47.7407	33119.74	-1.70	49535.01	-1.60	+09 +05 +06	4.4	198.8	8.7
125:18:27:02	42 39.2630	87 47.8083	33120.90	-1.70	49536.30	-1.60	+09 +05 +06	4.2	202.5	8.4
125:18:30:02	42 39.1474	87 47.8436	33121.86	-1.70	49537.49	-1.60	+08 +06 +06	3.7	152.5	0.0
125:18:34:03	42 39.1602	87 47.4743	33120.19	-1.70	49538.55	-1.60	+09 +05 +06	4.7	21.9	0.0
125:18:35:02	42 39.2360	87 47.4409	33119.59	-1.70	49537.81	-1.60	+09 +05 +06	4.6	19.5	10.1

ERROR # 57 AT LINE 1081 18:39:01

ERROR # 57 AT LINE 1081 18:39:04

ERROR # 57 AT LINE 1081 18:42:18

125:18:45:02	42 39.9590	87 47.0457	33113.16	-1.70	49530.94	-1.60	+08 +05 +06	4.9	19.9	10.0
125:18:50:02	42 40.3212	87 46.8656	33109.98	-1.70	49527.43	-1.60	+08 +05 +06	4.7	20.7	10.2
125:18:55:02	42 40.6832	87 46.6708	33106.77	-1.70	49524.00	-1.60	+08 +05 +06	4.5	20.9	10.5
125:19:00:02	42 41.0403	87 46.4775	33103.61	-1.70	49520.62	-1.60	+08 +06 +06	4.6	23.5	10.3
125:19:05:02	42 41.3921	87 46.2838	33100.46	-1.70	49517.26	-1.60	+08 +05 +06	4.5	19.8	10.8
125:19:10:02	42 41.7561	87 46.1041	33097.34	-1.70	49513.79	-1.60	+08 +05 +06	4.7	16.9	9.9
125:19:15:02	42 42.1355	87 46.0733	33094.70	-1.70	49509.67	-1.60	+08 +05 +06	4.7	360.0	10.0
125:19:20:02	42 42.5142	87 46.0988	33092.31	-1.70	49505.36	-1.60	+08 +06 +06	4.5	358.6	9.8
125:19:25:02	42 42.8920	87 46.1073	33089.87	-1.70	49501.15	-1.60	+08 +05 +07	4.4	359.3	9.2
125:19:30:02	42 43.2728	87 46.1197	33087.43	-1.70	49496.86	-1.60	+09 +05 +06	4.5	359.7	9.4
125:19:35:02	42 43.6502	87 46.1328	33084.99	-1.70	49492.62	-1.60	+08 +06 +06	4.5	359.0	9.8
125:19:40:02	42 44.0239	87 46.0836	33082.34	-1.70	49488.63	-1.60	+09 +06 +06	4.6	2.3	9.7
125:19:45:02	42 44.3995	87 46.0493	33079.70	-1.70	49484.52	-1.60	+08 +05 +06	4.6	6.6	8.7
125:19:50:02	42 44.7833	87 45.9884	33076.95	-1.70	49480.47	-1.60	+09 +06 +06	4.7	9.0	8.6
125:19:55:02	42 45.1715	87 45.9559	33074.29	-1.70	49476.24	-1.60	+08 +05 +06	4.7	8.9	7.9
125:20:00:02	42 45.5397	87 45.8267	33071.33	-1.70	49472.54	-1.60	+08 +06 +06	4.6	31.9	8.5
125:20:05:02	42 45.8898	87 45.6155	33068.13	-1.70	49469.30	-1.60	+08 +05 +05	4.5	20.2	8.7
125:20:10:02	42 46.2431	87 45.4311	33065.06	-1.70	49465.95	-1.60	+08 +06 +07	4.6	22.5	8.5
125:20:15:02	42 46.5887	87 45.2207	33061.90	-1.70	49462.74	-1.60	+07 +05 +06	4.5	20.9	7.6
125:20:20:02	42 46.9456	87 45.0290	33058.78	-1.70	49459.35	-1.60	+09 +05 +05	4.4	18.1	9.6
125:20:25:02	42 47.3137	87 45.1135	33056.68	-1.70	49454.93	-1.60	+08 +05 +07	4.6	347.3	9.3
125:20:29:02	42 47.6185	87 45.2062	33055.10	-1.70	49451.30	-1.60	+08 +06 +06	4.4	338.8	10.2
125:20:30:02	42 47.6759	87 45.2750	33055.04	-1.70	49450.47	-1.60	+09 +06 +06	4.6	313.8	10.9
125:20:35:02	42 47.9542	87 45.6387	33054.76	-1.70	49446.27	-1.60	+08 +06 +06	4.6	318.8	13.2
125:20:40:02	42 48.2433	87 45.9910	33054.36	-1.70	49441.96	-1.60	+09 +06 +06	4.5	320.1	12.9
125:20:45:02	42 48.5238	87 46.3623	33056.08	-1.70	49437.72	-1.60	+08 +07 +06	4.6	315.1	13.7

125:20:50:02	42 48.8067	87 46.7196	33053.77	-1.70	49433.47	-1.60	+08 +05 +06	4.6	315.9	13.6
125:20:55:02	42 49.0927	87 47.0716	33053.40	-1.70	49429.21	-1.60	+08 +06 +06	4.9	319.6	12.4
125:21:00:02	42 49.3758	87 47.4325	33053.13	-1.70	49424.93	-1.60	+08 +06 +06	4.9	318.1	11.6
125:21:05:02	42 49.6588	87 47.7982	33052.77	-1.70	49420.70	-1.60	+08 +07 +06	4.9	316.7	11.8
125:21:06:02	42 49.7165	87 47.8675	33052.67	-1.70	49419.83	-1.60	+08 +06 +06	4.5	320.1	12.1
125:21:10:02	42 49.8495	87 47.9173	33053.34	-1.70	49420.36	-1.60	+08 +05 +06	4.4	126.5	11.4
125:21:15:02	42 47.3776	87 47.5640	33053.66	-1.70	49424.50	-1.60	+05 +06 +06	4.4	133.1	10.5
125:21:20:02	42 49.1071	87 47.2142	33053.95	-1.70	49428.67	-1.60	+08 +06 +07	4.6	137.0	11.7
125:21:25:02	42 48.8361	87 46.8645	33054.35	-1.70	49432.78	-1.60	+09 +06 +06	3.9	133.9	12.6
125:21:30:00	42 48.5706	87 46.5412	33054.66	-1.59	49436.87	-1.93	+08 +06 +06	4.6	138.1	13.4
125:21:35:02	42 48.2775	87 46.1836	33055.02	-1.59	49441.01	-1.93	+09 +06 +07	2.3	134.7	13.7
125:21:40:02	42 48.0109	87 45.8289	33055.27	-1.59	49445.11	-1.93	+08 +06 +07	2.1	136.7	13.0
125:21:43:02	42 47.8466	87 45.6192	33055.44	-1.59	49447.56	-1.93	+09 +07 +06	2.3	136.7	12.1

ERROR # 5 AT LINE 1652 21:43:04

ERROR # 5 AT LINE 1652 21:43:06

ERROR # 5 AT LINE 1652 21:43:07

ERROR # 5 AT LINE 1652 21:43:08

ERROR # 5 AT LINE 1652 21:43:10

ERROR # 5 AT LINE 1652 21:43:11

125:21:45:02	42 47.7321	87 45.5430	33055.81	-1.70	49449.08	-1.60	+09 +07 +06	4.2	219.0	11.1
125:21:47:02	42 47.8011	87 45.6883	33056.00	-1.70	49447.87	-1.60	+09 +06 +06	4.8	321.1	11.6
125:21:50:02	42 47.9595	87 45.8950	33055.83	-1.70	49445.41	-1.60	+08 +06 +07	3.7	316.3	12.4
125:21:55:02	42 48.2347	87 46.2327	33055.42	-1.70	49441.39	-1.60	+09 +07 +07	4.2	316.0	13.3
125:22:00:02	42 48.5014	87 46.5859	33055.15	-1.70	49437.29	-1.60	+08 +06 +06	4.5	314.6	13.6
125:22:05:02	42 48.7823	87 46.9295	33054.81	-1.70	49433.14	-1.60	+09 +06 +07	5.0	319.0	12.9
125:22:10:02	42 49.0588	87 47.2757	33054.50	-1.70	49429.02	-1.60	+08 +06 +06	4.8	3.8.1	11.6
125:22:15:02	42 49.3243	87 47.6263	33054.18	-1.70	49424.90	-1.60	+09 +06 +06	4.6	315.3	10.9
125:22:20:02	42 49.6116	87 47.9635	33053.78	-1.70	49420.73	-1.60	+08 +06 +07	4.7	325.2	10.2
125:22:21:02	42 49.6638	87 48.0343	33053.73	-1.70	49419.91	-1.60	+08 +07 +06	4.1	308.2	10.6
125:22:24:03	42 49.5910	87 48.0847	33054.40	-1.70	49420.52	-1.60	+08 +06 +07	4.1	126.3	10.1
125:22:25:02	42 49.8395	87 48.0163	33054.45	-1.70	49421.32	-1.60	+09 +06 +07	4.5	135.8	10.1
125:22:30:02	42 49.2739	87 47.6694	33054.73	-1.70	49425.34	-1.60	+08 +06 +07	4.9	143.9	10.9
125:22:35:02	42 48.9988	87 47.3441	33055.15	-1.70	49429.40	-1.60	+09 +06 +07	4.3	135.4	11.2
125:22:40:02	42 48.7386	87 46.9912	33055.38	-1.70	49433.36	-1.60	+08 +06 +07	4.5	137.4	12.4
125:22:45:02	42 48.4595	87 46.6676	33055.78	-1.70	49437.46	-1.60	+09 +06 +07	4.4	140.3	11.9
125:22:50:02	42 48.1979	87 46.3226	33056.02	-1.70	49441.43	-1.60	+08 +06 +07	4.3	135.0	12.7
125:22:55:02	42 47.9356	87 45.9791	33056.32	-1.70	49445.41	-1.60	+09 +06 +07	4.5	139.5	11.5
125:22:58:02	42 47.7681	87 45.7839	33056.57	-1.70	49447.87	-1.60	+08 +07 +07	4.4	138.9	10.3
125:23:00:02	42 47.6611	87 45.6432	33056.66	-1.70	49449.48	-1.60	+08 +06 +07	4.6	133.7	10.0
125:23:05:02	42 47.4243	87 45.2493	33056.55	-1.70	49453.32	-1.60	+08 +06 +06	4.5	123.4	8.8
125:23:07:02	42 47.3266	87 45.1124	33056.60	-1.70	49454.84	-1.60	+09 +07 +07	4.5	165.4	8.2
125:23:10:02	42 47.1074	87 45.0306	33057.71	-1.70	49457.53	-1.60	+08 +06 +07	4.5	164.7	10.0
125:23:15:02	42 46.7564	87 45.1365	33060.42	-1.70	49461.12	-1.60	+09 +06 +07	4.6	200.7	9.4
125:23:20:02	42 46.4025	87 45.3303	33063.54	-1.70	49464.43	-1.60	+08 +07 +07	4.7	206.9	8.6
125:23:25:02	42 46.0483	87 45.5301	33066.71	-1.70	49467.78	-1.60	+08 +06 +06	4.6	200.1	8.9
125:23:30:02	42 45.6972	87 45.7240	33069.87	-1.70	49471.15	-1.60	+08 +07 +07	4.5	202.0	8.4

125:23:35:02	42 45.3404	87 45.9257	33073.01	-1.70	49474.46	-1.60	+08	+06	+07	4.7	202.1	8.5
125:23:40:02	42 44.9586	87 45.9737	33075.72	-1.70	49478.51	-1.60	+09	+06	+06	4.7	184.9	8.6
125:23:45:02	42 44.5765	87 46.0264	33078.41	-1.70	49482.61	-1.60	+08	+06	+06	4.7	182.9	8.7
125:23:50:02	42 44.1985	87 46.0752	33081.10	-1.70	49486.66	-1.60	+09	+07	+07	4.6	187.2	9.6
125:23:55:02	42 43.8192	87 46.1180	33083.78	-1.70	49490.76	-1.60	+08	+05	+06	4.7	183.9	8.3
125:23:57:02	42 43.6640	87 46.1303	33084.85	-1.70	49492.43	-1.60	+08	+06	+07	4.3	185.3	9.8

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126:14:05:02 42 46.7498 87 44.9766 33059.78 -1.70 49461.69 -1.60 +08 +06 +06 3.2 16.6 0.0

ERROR # 57 AT LINE 1081 14:07:06

ERROR # 57 AT LINE 1081 14:08:25

ERROR # 57 AT LINE 1081 14:09:41

ERROR # 57 AT LINE 1081 14:09:42

ERROR # 57 AT LINE 1081 14:09:52

ERROR # 57 AT LINE 1081 14:09:53

126:14:15:02 42 47.3327 87 45.3200 33057.51 -1.70 49454.20 -1.60 +08 +05 +06 4.7 321.0 6.0

126:14:15:57 42 47.3711 87 45.3927 33057.45 -1.70 49453.53 -1.60 +08 +06 +06 4.5 318.7 8.3
126:14:20:02 42 47.5877 87 45.6701 33057.18 -1.70 49430.18 -1.60 +08 +06 +06 4.1 316.5 6.1
126:14:23:22 42 47.7672 87 45.8994 33057.00 -1.70 49447.49 -1.60 +08 +06 +06 4.5 313.6 8.7
126:14:25:02 42 47.8603 87 46.0150 33056.87 -1.70 49446.13 -1.60 +08 +05 +06 4.5 317.6 10.7
126:14:30:02 42 48.1348 87 46.3633 33056.55 -1.70 49441.99 -1.60 +08 +06 +07 4.3 317.4 12.3
126:14:35:02 42 48.4150 87 46.7164 33056.21 -1.70 49437.77 -1.60 +08 +05 +06 5.0 318.0 11.5
126:14:36:47 42 48.5167 87 46.8493 33056.16 -1.70 49436.31 -1.60 +09 +05 +07 5.0 317.8 11.8
126:14:40:02 42 48.7062 87 47.0920 33055.95 -1.70 49433.39 -1.60 +09 +06 +06 4.7 316.4 11.9

126:14:45:02 42 48.9980 87 47.4631 33055.61 -1.70 49429.02 -1.60 +08 +06 +06 4.9 317.6 10.4
126:14:50:02 42 49.2911 87 47.8217 33055.19 -1.70 49424.64 -1.60 +08 +06 +06 4.7 316.9 10.1
126:14:55:02 42 49.5779 87 48.1850 33054.89 -1.70 49420.33 -1.60 +08 +05 +06 4.8 315.4 9.7
126:14:59:03 42 49.4999 87 48.2130 33055.53 -1.70 49421.07 -1.60 +08 +06 +06 4.6 135.4 8.9
126:15:00:02 42 49.4416 87 48.1403 33056.61 -1.70 49421.94 -1.60 +09 +06 +07 4.8 137.5 8.6
126:15:05:02 42 49.1541 87 47.7804 33055.97 -1.70 49426.34 -1.60 +08 +05 +06 4.7 134.3 9.7

126:15:10:02 42 48.8706 87 47.4200 33056.30 -1.70 49430.51 -1.60 +09 +06 +06 4.7 139.7 10.6
126:15:15:02 42 48.5864 87 47.0649 33056.68 -1.70 49434.76 -1.60 +08 +06 +05 4.7 136.5 11.4
126:15:20:02 42 48.3125 87 46.7071 33056.95 -1.70 49438.94 -1.60 +09 +06 +06 4.7 139.2 11.2
126:15:25:02 42 48.0311 87 46.3622 33057.31 -1.70 49443.14 -1.60 +08 +05 +06 4.7 137.9 11.3
126:15:30:02 42 47.7586 87 46.0069 33057.61 -1.70 49447.28 -1.60 +09 +06 +06 4.4 137.6 9.3

126:15:31:03 42 47.7062 87 45.9367 33057.64 -1.70 49448.08 -1.60 +08 +05 +05 6.5 133.2 7.0
126:15:34:02 42 47.7052 87 46.0635 33058.16 -1.70 49447.71 -1.60 +09 +06 +06 4.7 319.5 7.4

126:15:35:02	42 47.7638	87 46.1343	33058.06	-1.70	49446.82	-1.60	+06 +05 +06	4.6	316.9	7.8
126:15:40:02	42 48.0501	87 46.5131	33057.83	-1.70	49442.47	-1.60	+09 +05 +06	4.7	317.3	10.1
126:15:45:02	42 48.3451	87 46.8785	33057.44	-1.70	49438.08	-1.60	+07 +06 +06	4.9	322.6	10.8
126:15:50:02	42 48.6351	87 47.2462	33057.08	-1.70	49433.72	-1.60	+09 +06 +06	4.7	312.9	10.2
126:15:55:02	42 48.9264	87 47.6163	33056.77	-1.70	49429.39	-1.60	+08 +06 +05	4.8	318.3	6.8
126:16:00:02	42 49.2174	87 47.9787	33056.37	-1.70	49425.00	-1.60	+09 +05 +05	4.6	318.0	6.6
126:16:05:02	42 49.5049	87 48.3436	33056.01	-1.70	49420.67	-1.60	+08 +05 +06	4.6	319.4	7.9
126:16:08:02	42 49.4417	87 48.3990	33056.67	-1.70	49421.19	-1.60	+08 +05 +06	4.6	136.2	6.7
126:16:10:02	42 49.3379	87 48.2535	33056.76	-1.70	49422.77	-1.60	+08 +05 +05	4.3	121.9	5.7
126:16:15:02	42 49.0670	87 47.9308	33057.13	-1.70	49426.76	-1.60	+06 +05 +06	4.2	142.5	7.2
126:16:20:02	42 48.8048	87 47.6027	33057.50	-1.70	49430.75	-1.60	+08 +06 +05	4.3	136.8	8.0
126:16:25:02	42 48.5521	87 47.2803	33057.69	-1.70	49434.38	-1.60	+05 +05 +06	4.3	135.6	9.0
126:16:30:02	42 48.2916	87 46.9513	33058.00	-1.70	49438.48	-1.60	+06 +05 +06	4.4	137.2	9.2
126:16:35:02	42 48.0276	87 46.6027	33058.36	-1.70	49442.44	-1.60	+06 +05 +06	4.4	139.7	8.0
126:16:40:02	42 47.7715	87 46.2711	33058.61	-1.70	49446.28	-1.60	+08 +04 +05	4.2	137.2	6.6
126:16:43:02	42 47.6174	87 46.0696	33058.79	-1.70	49448.66	-1.60	+09 +05 +05	4.5	135.9	5.7
126:16:45:02	42 47.6600	87 45.9603	33058.02	-1.70	49448.56	-1.60	+09 +05 +05	4.0	339.4	5.9
126:16:50:02	42 47.8031	87 46.3919	33058.92	-1.70	49445.61	-1.60	+08 +04 +05	4.6	289.4	5.9
126:16:53:02	42 47.9084	87 46.5386	33058.91	-1.70	49443.96	-1.60	+09 +05 +05	4.2	67.4	5.8
126:16:55:02	42 47.9310	87 46.3476	33057.92	-1.70	49444.32	-1.60	+09 +05 +06	4.5	87.2	9.0
126:17:00:02	42 47.9363	87 45.8518	33055.80	-1.70	49445.82	-1.60	+06 +05 +06	4.4	90.5	12.4
126:17:05:02	42 47.9291	87 45.3597	33053.83	-1.70	49447.40	-1.60	+09 +06 +05	3.6	91.7	12.9
126:17:10:02	42 47.9247	87 44.8681	33051.77	-1.70	49448.98	-1.60	+08 +05 +05	4.3	93.8	15.3
126:17:15:02	42 47.9346	87 44.3699	33049.63	-1.70	49450.42	-1.60	+09 +05 +06	4.7	87.8	13.1
126:17:20:02	42 47.9275	87 43.8736	33047.56	-1.70	49452.01	-1.60	+08 +05 +06	4.4	91.9	11.9
126:17:25:02	42 47.9224	87 43.3804	33045.49	-1.70	49453.58	-1.60	+09 +05 +06	4.6	89.1	16.0
126:17:30:02	42 47.9258	87 42.8865	33043.33	-1.70	49455.03	-1.60	+08 +04 +06	4.3	89.5	19.4
126:17:35:02	42 47.9300	87 42.3882	33041.15	-1.70	49456.46	-1.60	+09 +05 +05	4.5	90.0	21.0
126:17:40:02	42 47.9241	87 41.8833	33039.03	-1.70	49458.05	-1.60	+08 +05 +05	4.4	89.5	23.2
126:17:45:02	42 47.9251	87 41.3800	33036.86	-1.70	49459.57	-1.60	+09 +05 +05	4.5	86.3	22.2
126:17:50:02	42 47.9232	87 40.8815	33034.72	-1.70	49461.08	-1.60	+07 +05 +05	4.4	91.4	22.7
126:17:55:02	42 47.9232	87 40.3859	33032.58	-1.70	49462.53	-1.60	+09 +05 +06	4.3	90.5	24.1
126:18:00:02	42 47.9280	87 39.8886	33030.39	-1.70	49463.96	-1.60	+08 +05 +05	4.5	90.3	25.5
126:18:05:02	42 47.9292	87 39.3913	33028.23	-1.70	49465.44	-1.60	+09 +05 +05	4.3	87.6	28.2
126:18:06:22	42 47.9341	87 39.2627	33027.63	-1.70	49465.80	-1.60	+08 +06 +06	4.0	64.1	23.7
126:18:10:02	42 48.0946	87 39.4246	33027.26	-1.70	49463.49	-1.60	+08 +05 +05	3.9	301.8	28.2
126:18:15:02	42 48.3589	87 39.7593	33026.97	-1.70	49459.52	-1.60	+09 +05 +05	4.3	319.1	26.5
126:18:20:02	42 48.6341	87 40.0925	33026.65	-1.70	49455.51	-1.60	+08 +06 +06	4.6	311.9	25.1
126:18:25:02	42 48.9068	87 40.4234	33026.33	-1.70	49451.31	-1.60	+08 +05 +05	4.4	315.3	25.4
126:18:30:02	42 49.1909	87 40.7548	33025.83	-1.70	49447.41	-1.60	+08 +05 +05	4.0	321.6	24.5
126:18:35:02	42 49.4713	87 41.0856	33025.40	-1.70	49443.07	-1.60	+06 +05 +05	4.1	320.6	27.7
126:18:39:02	42 49.6884	87 41.3247	33025.15	-1.70	49440.14	-1.60	+09 +05 +06	4.2	315.7	25.8
126:18:40:02	42 49.7409	87 41.3923	33025.10	-1.70	49439.34	-1.60	+09 +05 +06	4.7	319.5	23.5
126:18:45:02	42 49.8271	87 41.7540	33023.96	-1.70	49435.76	-1.60	+08 +05 +06	4.3	148.7	24.1
126:18:46:07	42 49.8947	87 41.8087	33024.98	-1.70	49440.10	-1.60	+09 +05 +06	4.1	263.5	24.1
126:18:50:02	42 49.8812	87 41.4690	33025.86	-1.70	49439.66	-1.60	+09 +05 +05	4.1	270.5	23.3
126:18:55:02	42 49.6835	87 41.9617	33027.89	-1.70	49438.23	-1.60	+08 +04 +06	4.0	269.5	21.6
126:19:00:02	42 49.6871	87 42.4367	33029.91	-1.70	49436.74	-1.60	+09 +05 +05	4.1	274.5	21.5
126:19:05:02	42 49.6776	87 42.9074	33032.04	-1.70	49435.46	-1.60	+08 +05 +05	4.1	270.5	22.1
126:19:10:02	42 49.6769	87 43.3820	33034.04	-1.70	49434.04	-1.60	+09 +05 +05	4.2	271.0	20.1
126:19:15:02	42 49.6836	87 43.8593	33036.02	-1.70	49432.50	-1.60	+08 +05 +06	4.1	269.5	18.6
126:19:20:02	42 49.6821	87 44.3336	33038.04	-1.70	49431.04	-1.60	+09 +06 +05	4.1	269.0	18.9
126:19:25:02	42 49.6774	87 44.8190	33040.15	-1.70	49429.61	-1.60	+08 +05 +06	4.3	272.9	16.1
126:19:30:02	42 49.6879	87 45.3049	33042.10	-1.70	49428.01	-1.60	+07 +05 +05	4.3	267.1	17.0
126:19:35:02	42 49.6885	87 45.7886	33044.11	-1.70	49426.51	-1.60	+08 +05 +05	4.1	272.5	14.3
126:19:40:02	42 49.6778	87 46.2731	33046.25	-1.70	49425.13	-1.60	+08 +06 +05	4.4	262.0	17.0

126:19:45:02	42 49.6605	87 46.7806	33048.29	-1.70	49423.81	-1.60	+08 +05 +06	4.0	274.9	16.0
126:19:50:02	42 49.6782	87 47.2553	33050.35	-1.70	49422.11	-1.60	+09 +05 +05	4.3	271.9	14.8
126:19:55:02	42 49.6914	87 47.7458	33052.36	-1.70	49420.42	-1.60	+07 +05 +05	3.9	279.5	11.9
126:20:00:02	42 49.6884	87 48.2423	33054.40	-1.70	49418.90	-1.60	+09 +05 +06	4.3	269.1	9.4
126:20:04:23	42 49.6817	87 48.6691	33056.19	-1.70	49417.65	-1.60	+08 +05 +05	4.5	274.1	6.1
126:20:05:02	42 49.7101	87 48.7129	33056.24	-1.70	49417.24	-1.60	+08 +04 +05	3.7	334.5	5.8
126:20:10:02	42 50.0582	87 48.8468	33054.52	-1.70	49412.96	-1.60	+09 +05 +06	4.6	337.6	7.3
126:20:15:02	42 50.4130	87 49.0284	33053.01	-1.70	49408.47	-1.60	+07 +05 +06	4.6	337.2	8.3
126:20:20:02	42 50.7610	87 49.2296	33051.52	-1.70	49403.96	-1.60	+08 +05 +06	4.4	336.7	6.9
126:20:25:02	42 51.1173	87 49.4109	33049.97	-1.70	49399.43	-1.60	+08 +06 +06	4.6	340.0	7.4
126:20:30:02	42 51.4789	87 49.5848	33048.38	-1.70	49394.89	-1.60	+08 +05 +06	4.6	339.0	8.1
126:20:35:02	42 51.8333	87 49.7756	33046.88	-1.70	49390.34	-1.60	+08 +05 +05	4.7	338.0	7.4
126:20:40:02	42 52.1914	87 49.9696	33045.38	-1.70	49385.77	-1.60	+08 +05 +05	4.6	332.2	7.1
126:20:45:02	42 52.2720	87 49.7459	33043.99	-1.70	49385.58	-1.60	+08 +05 +06	4.3	92.4	8.3
126:20:50:02	42 52.2605	87 49.2719	33042.10	-1.70	49387.20	-1.60	+08 +06 +07	4.3	84.7	10.1
126:20:55:02	42 52.2674	87 48.7913	33040.06	-1.70	49388.64	-1.60	+08 +06 +06	4.2	88.1	12.0
126:21:00:02	42 52.2669	87 48.3057	33038.07	-1.70	49390.15	-1.60	+08 +05 +05	4.2	94.0	12.9
126:21:05:02	42 52.2637	87 47.8281	33036.06	-1.70	49391.68	-1.60	+08 +05 +06	4.4	90.7	14.5
126:21:10:02	42 52.2686	87 47.3485	33034.06	-1.70	49393.16	-1.60	+08 +04 +06	4.3	93.3	15.6
126:21:15:02	42 52.2631	87 46.8678	33032.07	-1.70	49394.72	-1.60	+08 +06 +05	4.5	90.0	16.0
126:21:20:02	42 52.2604	87 46.3764	33030.01	-1.70	49396.22	-1.60	+08 +05 +06	5.2	102.8	18.3
126:21:25:00	42 52.2670	87 45.8851	33027.91	-1.52	49397.65	-1.71	+09 +06 +05	4.5	88.6	18.9
126:21:30:00	42 52.2644	87 45.3952	33025.86	-1.52	49399.18	-1.71	+08 +06 +06	4.2	91.9	19.4
126:21:35:02	42 52.2608	87 44.8993	33023.78	-1.52	49400.79	-1.71	+09 +06 +06	4.3	91.0	18.9
126:21:40:02	42 52.2570	87 44.4062	33021.73	-1.52	49402.44	-1.71	+08 +05 +06	4.9	97.7	21.5
126:21:45:02	42 52.2604	87 43.9046	33019.60	-1.52	49403.95	-1.71	+09 +05 +06	4.0	62.0	23.2
126:21:50:02	42 52.2635	87 43.3958	33017.38	-1.52	49405.35	-1.71	+07 +05 +06	4.5	86.3	22.5
126:21:55:02	42 52.2729	87 42.8884	33015.19	-1.52	49406.88	-1.71	+09 +06 +06	4.4	88.1	23.4
126:22:00:02	42 52.1200	87 42.5834	33014.86	-1.52	49409.40	-1.71	+08 +06 +06	4.4	158.3	24.5
126:22:05:02	42 51.7867	87 42.4213	33016.31	-1.52	49413.64	-1.71	+09 +06 +06	4.9	162.3	24.4
126:22:10:02	42 51.4534	87 42.2405	33017.69	-1.52	49417.87	-1.71	+08 +05 +06	4.1	153.5	24.3
126:22:15:02	42 51.1185	87 42.0636	33019.09	-1.52	49422.09	-1.71	+09 +06 +06	4.0	158.4	24.4
126:22:20:02	42 50.7817	87 41.8880	33020.48	-1.52	49426.31	-1.71	+08 +06 +06	4.3	158.5	24.5
126:22:25:02	42 50.4521	87 41.7136	33021.91	-1.52	49430.53	-1.71	+08 +06 +06	4.2	161.7	24.4
126:22:30:02	42 50.1086	87 41.5575	33023.45	-1.52	49434.78	-1.71	+08 +06 +06	4.3	162.6	24.7
126:22:35:02	42 49.7672	87 41.3779	33024.87	-1.52	49439.09	-1.71	+09 +06 +06	4.5	157.3	24.5
126:22:37:02	42 49.6374	87 41.2938	33025.40	-1.52	49440.80	-1.71	+09 +06 +07	4.7	165.8	24.6

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127:14:20:02	42 49.1757	87 47.1205	33053.04	-1.70	49428.10	-1.60	+08	+06	+06	3.9	310.5	6.0
127:14:35:02	42 49.9051	87 47.6895	33050.67	-1.70	49418.17	-1.60	+09	+07	+06	5.2	141.3	13.5
127:14:40:02	42 49.5455	87 47.6576	33052.90	-1.70	49422.30	-1.60	+08	+06	+07	5.6	273.8	12.1
127:14:44:02	42 49.6957	87 47.8528	33051.74	-1.70	49420.04	-1.60	+07	+06	+05	4.3	339.5	10.7
127:14:45:02	42 49.7658	87 47.8861	33052.44	-1.70	49419.18	-1.60	+08	+06	+06	4.0	340.8	12.7
127:14:50:02	42 50.1089	87 48.0613	33050.74	-1.70	49414.97	-1.60	+07	+06	+06	4.3	341.5	12.6
127:14:55:02	42 50.4537	87 48.2386	33049.44	-1.70	49410.44	-1.60	+09	+05	+06	4.5	341.6	12.3
127:15:00:02	42 50.8018	87 48.4185	33047.97	-1.70	49406.05	-1.60	+08	+06	+06	4.5	339.5	12.6
127:15:05:02	42 51.1443	87 48.5967	33046.45	-1.70	49401.63	-1.60	+08	+06	+06	4.3	341.8	12.7
127:15:10:02	42 51.4914	87 48.7693	33044.98	-1.70	49397.28	-1.60	+08	+06	+05	4.6	339.9	12.5
127:15:15:02	42 51.8339	87 48.9473	33043.46	-1.70	49392.53	-1.60	+08	+05	+06	4.5	339.8	12.0
127:15:20:02	42 52.1779	87 49.1262	33041.99	-1.70	49388.04	-1.60	+05	+07	+06	4.5	340.7	11.6
127:15:25:02	42 52.5422	87 49.1995	33039.43	-1.70	49384.36	-1.60	+08	+06	+06	4.2	0.3	10.4
127:15:30:02	42 52.9105	87 49.2185	33037.84	-1.70	49380.16	-1.60	+08	+05	+06	4.3	358.2	11.6
127:15:35:02	42 53.2812	87 49.3417	33035.36	-1.70	49375.93	-1.60	+08	+06	+06	4.3	357.2	11.9
127:15:40:02	42 53.6517	87 49.4727	33033.09	-1.70	49371.75	-1.60	+06	+06	+06	4.4	355.2	11.9
127:15:45:02	-2 54.0183	87 49.6029	33030.69	-1.70	49367.59	-1.60	+08	+05	+06	4.7	357.7	12.0
127:15:50:02	42 54.3852	87 49.7283	33028.60	-1.70	49363.51	-1.60	+08	+06	+06	4.6	0.3	10.6
127:15:55:02	42 54.7476	87 49.8620	33026.44	-1.70	49359.35	-1.60	+09	+06	+06	4.5	359.3	11.1
127:16:00:02	42 55.1016	87 49.3117	33023.96	-1.70	49355.59	-1.60	+09	+05	+06	4.4	10.3	10.7
127:16:05:02	42 55.4615	87 49.2067	33021.24	-1.70	49351.91	-1.60	+08	+05	+05	4.5	13.5	11.4
127:16:10:02	42 55.8222	87 49.1118	33018.83	-1.70	49348.24	-1.60	+08	+05	+05	4.5	11.2	12.4
127:16:15:02	42 56.1845	87 49.0176	33015.83	-1.70	49344.55	-1.60	+07	+05	+07	4.4	13.5	13.9
127:16:20:02	42 56.5439	87 48.9113	33013.06	-1.70	49340.88	-1.60	+08	+06	+06	4.2	9.7	15.1
127:16:25:02	42 56.9035	87 48.8382	33010.88	-1.70	49336.84	-1.60	+07	+05	+06	4.5	347.1	14.4
127:16:30:02	42 57.2649	87 49.0445	33009.01	-1.70	49333.47	-1.60	+09	+06	+06	4.5	348.2	13.4
127:16:35:02	42 57.6237	87 49.1558	33007.18	-1.70	49328.15	-1.60	+08	+05	+05	4.4	348.2	15.1
127:16:40:02	42 57.9816	87 49.2671	33005.36	-1.70	49323.84	-1.60	+09	+06	+05	4.3	345.4	14.7
127:16:45:02	42 58.3410	87 49.3705	33003.50	-1.70	49319.54	-1.60	+07	+05	+05	4.6	348.3	16.2
127:16:50:02	42 58.7008	87 49.4837	33001.70	-1.70	49315.21	-1.60	+08	+05	+05	4.5	350.9	15.6
127:16:55:02	42 59.0630	87 49.5932	32999.85	-1.70	49310.86	-1.60	+08	+05	+06	4.8	352.1	14.8
127:16:59:02	42 59.3972	87 49.6844	32998.37	-1.70	49307.34	-1.60	+08	+06	+06	4.5	345.9	15.8
127:17:00:02	42 59.4280	87 49.7130	32998.02	-1.70	49306.46	-1.60	+09	+06	+05	4.5	344.4	14.2
127:17:05:02	42 59.7953	87 49.8296	32999.73	-1.70	49308.19	-1.60	+08	+05	+06	4.4	168.7	12.9
127:17:10:02	42 59.8743	87 49.8372	33002.65	-1.70	49312.14	-1.60	+09	+06	+06	4.5	190.1	11.3
127:17:15:02	42 59.5092	87 49.9251	33004.74	-1.70	49315.88	-1.60	+08	+05	+05	4.7	193.5	11.5
127:17:20:02	42 59.1449	87 50.0380	33007.35	-1.70	49319.60	-1.60	+08	+06	+04	4.5	190.8	7.6

127:17:25:02	42 57.9852	87 49.7297	33007.33	-1.70	49322.48	-1.60	+06 +06 +06	4.3	90.0	15.5
127:17:30:02	42 57.9837	87 49.2316	33005.25	-1.70	49323.99	-1.60	+08 +05 +05	4.5	86.3	15.3
127:17:35:02	42 57.9872	87 48.7324	33003.15	-1.70	49325.50	-1.60	+07 +06 +05	4.7	88.2	19.8
127:17:40:02	42 57.9823	87 48.2329	33001.08	-1.70	49327.11	-1.60	+08 +05 +06	4.7	91.3	21.3
127:17:45:02	42 57.9837	87 47.7279	32998.97	-1.70	49328.68	-1.60	+08 +05 +06	4.4	90.0	20.9
127:17:50:02	42 57.9834	87 47.2253	32996.87	-1.70	49330.26	-1.60	+08 +05 +06	4.3	89.6	20.6
127:17:55:02	42 57.9828	87 46.7176	32994.74	-1.70	49331.80	-1.60	+08 +06 +06	4.4	89.5	24.5
127:18:00:02	42 57.9812	87 46.2098	32992.62	-1.70	49333.41	-1.60	+08 +05 +06	4.4	90.9	24.9
127:18:05:02	42 57.9841	87 45.7070	32990.46	-1.70	49334.99	-1.60	+08 +06 +06	4.3	88.1	25.2
127:18:10:02	42 57.9834	87 45.1804	32988.28	-1.70	49336.60	-1.60	+07 +05 +05	4.7	90.4	27.8
127:18:15:02	42 57.9857	87 44.6664	32986.07	-1.70	49338.18	-1.60	+09 +06 +04	4.5	88.6	30.5
127:18:20:02	42 57.6792	87 44.3905	32986.70	-1.70	49342.14	-1.60	+08 +05 +05	4.4	166.0	30.8
127:18:25:02	42 57.3667	87 44.1980	32988.01	-1.70	49346.41	-1.60	+03 +06 +06	4.4	135.3	30.3
127:18:30:02	42 57.0384	87 43.9865	32989.22	-1.70	49350.68	-1.60	+08 +05 +05	4.2	158.7	29.7
127:18:35:02	42 56.7028	87 43.8020	32990.60	-1.70	49354.98	-1.60	+07 +06 +06	4.2	158.6	28.7
127:18:40:02	42 56.3659	87 43.6050	32991.87	-1.70	49359.24	-1.60	+08 +05 +06	4.1	157.4	28.8
127:18:45:02	42 56.0353	87 43.4166	32993.18	-1.70	49363.47	-1.60	+09 +06 +06	4.4	160.5	28.3
127:18:50:02	42 55.7068	87 43.2321	32994.52	-1.70	49367.70	-1.60	+08 +05 +05	4.2	158.6	28.0
127:18:55:02	42 55.3805	87 43.0265	32995.72	-1.70	49371.91	-1.60	+08 +06 +05	4.5	156.0	27.8
127:19:00:02	42 55.0506	87 42.8254	32996.99	-1.70	49376.19	-1.60	+07 +06 +06	4.5	160.6	27.7
127:19:05:02	42 54.8456	87 42.7320	32998.70	-1.70	49378.11	-1.60	+08 +06 +05	4.4	267.9	27.4
127:19:10:02	42 54.8796	87 43.4356	33000.66	-1.70	49376.20	-1.60	+07 +06 +06	4.5	268.6	25.3
127:19:15:02	42 54.8798	87 43.9463	33002.93	-1.70	49374.65	-1.60	+08 +06 +05	4.5	271.4	24.2
127:19:20:02	42 54.8837	87 44.4574	33004.99	-1.70	49373.03	-1.60	+08 +06 +06	4.6	268.6	23.6
127:19:25:02	42 54.8784	87 44.9673	33007.15	-1.70	49371.52	-1.60	+08 +05 +06	4.4	270.9	22.8
127:19:30:02	42 54.8794	87 45.4791	33009.35	-1.70	49369.93	-1.60	+08 +05 +06	4.5	269.1	21.8
127:19:35:02	42 54.8829	87 45.9898	33011.47	-1.70	49368.32	-1.60	+09 +05 +06	4.3	270.0	19.1
127:19:40:02	42 54.8816	87 46.5061	33013.64	-1.70	49366.76	-1.60	+08 +06 +05	4.5	274.6	18.0
127:19:45:02	42 54.8806	87 47.0205	33015.81	-1.70	49365.16	-1.60	+08 +05 +06	4.5	270.0	15.0
127:19:50:02	42 54.8846	87 47.5326	33017.94	-1.70	49363.53	-1.60	+08 +06 +05	4.4	271.9	12.6
127:19:55:02	42 54.8839	87 48.0476	33020.10	-1.70	49361.93	-1.60	+08 +06 +05	4.3	270.5	13.0
127:20:00:02	42 54.8830	87 48.5693	33022.25	-1.70	49360.29	-1.60	+08 +05 +06	4.8	268.7	12.4
127:20:05:02	42 54.8828	87 49.0898	33024.43	-1.70	49358.66	-1.60	+08 +05 +06	4.5	272.3	10.4
127:20:10:02	42 54.8838	87 49.6108	33026.62	-1.70	49357.05	-1.60	+08 +05 +06	4.6	262.6	11.0
127:20:14:17	42 54.8810	87 50.0533	33028.40	-1.70	49355.67	-1.60	+08 +06 +06	4.4	247.9	7.8
127:20:15:02	42 54.8795	87 50.0873	33028.86	-1.70	49356.04	-1.60	+08 +05 +05	4.2	192.6	0.0
127:20:20:02	42 54.4510	87 50.0836	33031.30	-1.70	49360.25	-1.60	+08 +06 +05	4.6	178.7	0.0
127:20:25:02	42 54.0847	87 50.0698	33033.69	-1.70	49364.48	-1.60	+08 +05 +05	4.6	177.4	0.0