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Subject: 2016 - August Chelan River Hourly and Daily Average Flow Data
Date: Friday, September 09, 2016 4:38:44 PM
Attachments: [2016 Daily Average Hourly Flow Data August Report.pdf](#)
[2016 Hourly Flow Data August Report.pdf](#)

PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY

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To: Chelan River Fishery Forum

Washington Department of Ecology

Washington Department of Fish and Wildlife

United States Forest Service

National Park Service

United States Fish and Wildlife Service

National Marine Fisheries Service

CCT (Colville)

YN (Yakama)

CTUIR (Umatilla tribe)

City of Chelan

Lake Chelan Sportsman Association

United States Geological Survey

Washington State Parks and Recreation Commission

Washington State Recreation and Conservation Office

Manson Parks and Recreation Department
Lake Chelan Recreation Association
American Whitewater

From: Steven Hays, Fish & Wildlife Senior Advisor
Public Utility District No. 1 of Chelan County (Chelan PUD)
steve.hays@chelanpud.org
(509)661-4181

Re: Lake Chelan Hydroelectric Project No. 637 (Project)
License Article 405a - 2016 Hourly and Daily
Average Flow Data August Report

Dear Chelan River Fishery Forum and Other Parties:

This email is to provide you, in the attached files, with the written August flow information for 2016. This August Flow Report contains data for surface elevations at the Chelan Dam Forebay and Powerhouse Tailrace and flows from the Powerhouse, Low Level Outlet, Spillway, Pump Station and Total Reach 4 flows. Please note that the Pump Station was operated August 3- 18 as part of a feasibility test to use the canal outlet and canal as a Chinook salmon broodstock collection site for the Chelan Falls summer Chinook program. The feasibility test was successful, thus use of this site for broodstock trapping in future years is probable.

This information will be posted to the Lake Chelan Implementation web page under resource documents.

Steven Hays

Fish and Wildlife Senior Advisor

steve.hays@chelanpud.org

(509) 661-4181

2016 Daily Average Flow Data - August

Date	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
8/1/2016	1099.6	2382	709.0	83	0	0	83
8/2/2016	1099.6	2369	709.2	83	0	0	83
8/3/2016	1099.5	1617	709.0	83	0	24	107
8/4/2016	1099.5	1622	709.3	83	0	52	135
8/5/2016	1099.4	1621	709.3	83	0	52	135
8/6/2016	1099.4	1605	709.2	83	0	52	135
8/7/2016	1099.4	20	708.6	83	0	51	134
8/8/2016	1099.4	1592	709.0	83	0	51	134
8/9/2016	1099.4	1113	708.8	83	0	59	142
8/10/2016	1099.4	1077	708.5	82	0	51	134
8/11/2016	1099.4	1598	708.8	82	0	53	135
8/12/2016	1099.3	1612	708.3	82	0	52	134
8/13/2016	1099.3	1113	708.1	82	0	51	134
8/14/2016	1099.3	20	707.7	82	0	51	133
8/15/2016	1099.4	1110	708.5	82	0	52	135
8/16/2016	1099.4	1128	708.8	82	0	52	134
8/17/2016	1099.4	844	709.0	81	0	53	134
8/18/2016	1099.3	816	709.1	81	0	29	111
8/19/2016	1099.3	813	708.9	81	0	0	81
8/20/2016	1099.4	829	708.4	81	0	0	81
8/21/2016	1099.4	18	708.2	81	0	0	81
8/22/2016	1099.4	813	708.5	82	0	0	82
8/23/2016	1099.3	1600	708.4	82	0	0	82
8/24/2016	1099.3	1602	708.3	82	0	0	82
8/25/2016	1099.2	1603	708.7	81	0	0	81
8/26/2016	1099.2	1156	708.8	81	0	0	81
8/27/2016	1099.1	1115	708.2	81	0	0	81
8/28/2016	1099.1	20	708.3	81	0	0	81
8/29/2016	1099.1	1114	708.2	81	0	0	81
8/30/2016	1099.1	1111	708.0	81	0	0	81
8/31/2016	1099.0	1100	708.0	81	0	0	81

2016 Hourly Flow Data - August

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
8/1/2016	1	1099.6	2390	709.1	83	0	0	83
8/1/2016	2	1099.6	2400	708.8	83	0	0	83
8/1/2016	3	1099.6	2390	708.8	83	0	0	83
8/1/2016	4	1099.6	2380	708.7	83	0	0	83
8/1/2016	5	1099.6	2410	708.7	83	0	0	83
8/1/2016	6	1099.6	2410	708.7	83	0	0	83
8/1/2016	7	1099.6	2420	708.8	83	0	0	83
8/1/2016	8	1099.6	2410	708.9	83	0	0	83
8/1/2016	9	1099.6	2390	708.8	83	0	0	83
8/1/2016	10	1099.6	2380	708.9	83	0	0	83
8/1/2016	11	1099.6	2380	708.9	83	0	0	83
8/1/2016	12	1099.6	2380	708.9	83	0	0	83
8/1/2016	13	1099.6	2390	708.9	83	0	0	83
8/1/2016	14	1099.6	2400	709.0	83	0	0	83
8/1/2016	15	1099.6	2380	709.1	83	0	0	83
8/1/2016	16	1099.6	2380	709.1	83	0	0	83
8/1/2016	17	1099.5	2370	709.1	83	0	0	83
8/1/2016	18	1099.5	2390	709.2	83	0	0	83
8/1/2016	19	1099.5	2370	709.2	83	0	0	83
8/1/2016	20	1099.6	2360	709.2	83	0	0	83
8/1/2016	21	1099.5	2340	709.3	83	0	0	83
8/1/2016	22	1099.5	2340	709.3	83	0	0	83
8/1/2016	23	1099.6	2350	709.4	83	0	0	83
8/1/2016	24	1099.6	2350	709.5	83	0	0	83
8/2/2016	1	1099.5	2370	709.5	83	0	0	83
8/2/2016	2	1099.5	2360	709.6	83	0	0	83
8/2/2016	3	1099.5	2370	709.5	83	0	0	83
8/2/2016	4	1099.5	2380	709.5	83	0	0	83
8/2/2016	5	1099.5	2410	709.4	83	0	0	83
8/2/2016	6	1099.5	2420	709.3	83	0	0	83
8/2/2016	7	1099.5	2400	709.0	83	0	0	83
8/2/2016	8	1099.5	2380	708.9	83	0	0	83
8/2/2016	9	1099.5	2390	709.3	83	0	0	83
8/2/2016	10	1099.5	2360	709.2	83	0	0	83
8/2/2016	11	1099.5	2370	709.1	83	0	0	83
8/2/2016	12	1099.6	2370	709.1	83	0	0	83
8/2/2016	13	1099.6	2400	709.1	83	0	0	83
8/2/2016	14	1099.6	2360	709.0	83	0	0	83
8/2/2016	15	1099.6	2350	709.0	83	0	0	83
8/2/2016	16	1099.6	2360	708.9	83	0	0	83
8/2/2016	17	1099.6	2340	708.9	83	0	0	83
8/2/2016	18	1099.6	2370	708.9	83	0	0	83
8/2/2016	19	1099.6	2340	709.0	83	0	0	83
8/2/2016	20	1099.6	2340	709.5	83	0	0	83
8/2/2016	21	1099.6	2380	709.6	83	0	0	83
8/2/2016	22	1099.6	2350	709.5	83	0	0	83
8/2/2016	23	1099.5	2350	709.5	83	0	0	83

2016 Hourly Flow Data - August

8/2/2016	24	1099.5	2340	709.5	83	0	0	83
8/3/2016	1	1099.5	230	708.7	83	0	0	83
8/3/2016	2	1099.5	20	708.3	83	0	0	83
8/3/2016	3	1099.6	20	708.2	83	0	0	83
8/3/2016	4	1099.5	20	708.3	83	0	0	83
8/3/2016	5	1099.5	20	708.1	83	0	0	83
8/3/2016	6	1099.6	400	708.6	83	0	0	83
8/3/2016	7	1099.6	2410	709.2	83	0	0	83
8/3/2016	8	1099.5	2390	709.0	83	0	0	83
8/3/2016	9	1099.5	2390	708.8	83	0	0	83
8/3/2016	10	1099.5	2400	709.0	83	0	0	83
8/3/2016	11	1099.5	2410	709.3	83	0	0	83
8/3/2016	12	1099.5	2380	709.5	83	0	0	83
8/3/2016	13	1099.5	2360	709.4	83	0	11	94
8/3/2016	14	1099.5	2370	709.4	83	0	52	135
8/3/2016	15	1099.5	2390	709.5	83	0	54	137
8/3/2016	16	1099.5	2340	709.4	83	0	54	137
8/3/2016	17	1099.5	2340	709.4	83	0	53	136
8/3/2016	18	1099.5	2330	709.4	83	0	52	136
8/3/2016	19	1099.5	2350	709.6	83	0	52	135
8/3/2016	20	1099.5	2330	709.6	83	0	51	135
8/3/2016	21	1099.5	2350	709.5	83	0	51	134
8/3/2016	22	1099.5	2320	709.4	83	0	51	134
8/3/2016	23	1099.5	220	708.8	83	0	51	134
8/3/2016	24	1099.5	20	708.7	83	0	51	134
8/4/2016	1	1099.5	20	708.7	83	0	52	135
8/4/2016	2	1099.5	20	708.9	83	0	52	135
8/4/2016	3	1099.5	20	708.6	83	0	52	135
8/4/2016	4	1099.5	20	708.3	83	0	52	135
8/4/2016	5	1099.5	20	707.9	83	0	51	134
8/4/2016	6	1099.5	320	708.2	83	0	52	135
8/4/2016	7	1099.5	2400	709.2	83	0	53	136
8/4/2016	8	1099.5	2370	709.5	83	0	52	135
8/4/2016	9	1099.5	2390	709.6	83	0	52	135
8/4/2016	10	1099.5	2390	709.4	83	0	53	136
8/4/2016	11	1099.5	2380	709.3	83	0	54	137
8/4/2016	12	1099.5	2390	709.4	83	0	53	136
8/4/2016	13	1099.5	2380	709.4	83	0	52	135
8/4/2016	14	1099.4	2410	709.5	83	0	52	136
8/4/2016	15	1099.4	2410	709.5	83	0	52	135
8/4/2016	16	1099.4	2400	709.4	83	0	52	135
8/4/2016	17	1099.4	2390	709.5	83	0	52	135
8/4/2016	18	1099.4	2410	709.7	83	0	51	135
8/4/2016	19	1099.4	2370	709.9	83	0	52	135
8/4/2016	20	1099.4	2380	709.9	83	0	52	135
8/4/2016	21	1099.4	2380	709.8	83	0	51	135
8/4/2016	22	1099.4	2370	709.9	83	0	53	136
8/4/2016	23	1099.4	270	709.5	83	0	52	136
8/4/2016	24	1099.4	20	709.4	83	0	52	136
8/5/2016	1	1099.4	20	709.3	83	0	52	135
8/5/2016	2	1099.4	20	708.8	83	0	52	135
8/5/2016	3	1099.4	20	708.3	83	0	52	135

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8/5/2016	4	1099.4	20	708.0	83	0	52	135
8/5/2016	5	1099.4	20	708.1	83	0	52	135
8/5/2016	6	1099.4	430	708.6	83	0	52	135
8/5/2016	7	1099.4	2410	709.4	83	0	53	136
8/5/2016	8	1099.4	2400	709.7	83	0	53	136
8/5/2016	9	1099.4	2390	709.7	83	0	53	136
8/5/2016	10	1099.4	2390	709.8	83	0	52	135
8/5/2016	11	1099.4	2370	709.9	83	0	51	134
8/5/2016	12	1099.4	2390	709.9	83	0	52	135
8/5/2016	13	1099.4	2410	709.8	83	0	52	135
8/5/2016	14	1099.4	2400	709.9	83	0	53	136
8/5/2016	15	1099.4	2400	709.9	83	0	53	136
8/5/2016	16	1099.4	2380	709.9	83	0	52	135
8/5/2016	17	1099.4	2350	709.9	83	0	52	135
8/5/2016	18	1099.4	2370	709.7	83	0	51	134
8/5/2016	19	1099.4	2380	709.5	83	0	51	134
8/5/2016	20	1099.4	2370	709.3	83	0	51	134
8/5/2016	21	1099.4	2370	709.7	83	0	50	133
8/5/2016	22	1099.5	2370	709.8	83	0	50	133
8/5/2016	23	1099.5	200	708.6	83	0	50	133
8/5/2016	24	1099.5	20	708.0	83	0	50	133
8/6/2016	1	1099.5	20	708.1	83	0	51	134
8/6/2016	2	1099.5	20	708.1	83	0	51	134
8/6/2016	3	1099.5	20	708.8	83	0	51	134
8/6/2016	4	1099.5	20	708.7	83	0	51	134
8/6/2016	5	1099.5	20	708.5	83	0	51	134
8/6/2016	6	1099.5	60	708.3	83	0	51	134
8/6/2016	7	1099.5	2260	709.2	83	0	51	134
8/6/2016	8	1099.5	2420	709.6	83	0	51	134
8/6/2016	9	1099.5	2430	709.6	83	0	51	134
8/6/2016	10	1099.5	2400	709.6	83	0	51	134
8/6/2016	11	1099.4	2400	709.4	83	0	52	135
8/6/2016	12	1099.4	2390	709.4	83	0	52	135
8/6/2016	13	1099.4	2400	709.8	83	0	52	136
8/6/2016	14	1099.4	2410	709.8	83	0	52	136
8/6/2016	15	1099.4	2410	709.6	83	0	52	135
8/6/2016	16	1099.4	2390	709.6	83	0	52	135
8/6/2016	17	1099.4	2410	709.7	83	0	53	136
8/6/2016	18	1099.4	2400	709.7	83	0	53	136
8/6/2016	19	1099.4	2390	709.7	83	0	52	135
8/6/2016	20	1099.4	2360	709.6	83	0	53	136
8/6/2016	21	1099.4	2390	709.6	83	0	51	134
8/6/2016	22	1099.4	2370	709.5	83	0	52	135
8/6/2016	23	1099.4	120	708.6	83	0	52	135
8/6/2016	24	1099.4	20	708.4	83	0	52	135
8/7/2016	1	1099.4	20	708.2	83	0	52	135
8/7/2016	2	1099.4	20	708.8	83	0	52	135
8/7/2016	3	1099.4	20	709.0	83	0	52	135
8/7/2016	4	1099.4	20	708.8	83	0	52	135
8/7/2016	5	1099.4	20	709.0	83	0	51	134
8/7/2016	6	1099.4	20	708.9	83	0	51	134
8/7/2016	7	1099.4	20	708.1	83	0	51	135

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8/7/2016	8	1099.4	20	708.2	83	0	51	134
8/7/2016	9	1099.4	20	709.4	83	0	52	135
8/7/2016	10	1099.4	20	709.4	83	0	53	136
8/7/2016	11	1099.4	20	709.1	83	0	53	136
8/7/2016	12	1099.4	20	708.7	83	0	54	137
8/7/2016	13	1099.4	20	708.1	83	0	53	136
8/7/2016	14	1099.4	20	708.2	83	0	51	134
8/7/2016	15	1099.4	20	708.7	83	0	51	134
8/7/2016	16	1099.4	20	709.0	83	0	51	134
8/7/2016	17	1099.4	20	708.9	83	0	50	133
8/7/2016	18	1099.4	20	708.7	83	0	49	133
8/7/2016	19	1099.5	20	708.3	83	0	50	133
8/7/2016	20	1099.5	20	708.3	83	0	49	133
8/7/2016	21	1099.4	20	708.5	83	0	50	133
8/7/2016	22	1099.5	20	708.5	83	0	50	133
8/7/2016	23	1099.5	20	708.4	83	0	50	133
8/7/2016	24	1099.5	20	708.5	83	0	50	133
8/8/2016	1	1099.5	20	708.2	83	0	50	133
8/8/2016	2	1099.5	20	707.9	83	0	50	133
8/8/2016	3	1099.5	20	707.9	83	0	50	133
8/8/2016	4	1099.5	20	708.2	83	0	50	133
8/8/2016	5	1099.5	20	708.6	83	0	50	133
8/8/2016	6	1099.5	230	708.8	83	0	50	133
8/8/2016	7	1099.5	2460	709.4	83	0	51	134
8/8/2016	8	1099.4	2380	709.4	83	0	53	137
8/8/2016	9	1099.4	2350	709.3	83	0	55	138
8/8/2016	10	1099.4	2350	709.2	83	0	54	137
8/8/2016	11	1099.4	2360	709.1	83	0	54	137
8/8/2016	12	1099.4	2370	709.2	83	0	54	138
8/8/2016	13	1099.4	2360	709.2	83	0	52	136
8/8/2016	14	1099.4	2370	709.5	83	0	51	134
8/8/2016	15	1099.4	2360	709.5	83	0	50	134
8/8/2016	16	1099.4	2340	709.4	83	0	49	133
8/8/2016	17	1099.4	2360	709.5	83	0	50	133
8/8/2016	18	1099.5	2370	709.6	83	0	50	134
8/8/2016	19	1099.5	2360	709.7	83	0	51	134
8/8/2016	20	1099.4	2320	709.6	83	0	51	135
8/8/2016	21	1099.4	2330	709.5	83	0	51	134
8/8/2016	22	1099.4	2320	709.3	83	0	51	134
8/8/2016	23	1099.4	100	708.3	83	0	51	134
8/8/2016	24	1099.4	20	708.4	83	0	51	134
8/9/2016	1	1099.4	20	708.5	83	0	50	133
8/9/2016	2	1099.4	20	708.3	83	0	50	133
8/9/2016	3	1099.4	20	708.4	83	0	51	134
8/9/2016	4	1099.4	20	708.7	83	0	51	134
8/9/2016	5	1099.4	20	708.7	83	0	51	134
8/9/2016	6	1099.4	150	708.7	83	0	52	135
8/9/2016	7	1099.4	1660	709.1	83	0	50	134
8/9/2016	8	1099.4	1650	709.2	83	0	51	134
8/9/2016	9	1099.4	1640	708.9	83	0	51	134
8/9/2016	10	1099.4	1630	708.7	83	0	51	134
8/9/2016	11	1099.4	1640	708.7	83	0	51	134

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8/9/2016	12	1099.4	1640	708.7	83	0	73	156
8/9/2016	13	1099.4	1650	709.0	83	0	100	183
8/9/2016	14	1099.4	1640	708.9	82	0	100	183
8/9/2016	15	1099.4	1660	709.1	82	0	100	182
8/9/2016	16	1099.4	1650	709.1	82	0	80	162
8/9/2016	17	1099.4	1630	709.1	82	0	51	133
8/9/2016	18	1099.4	1640	709.1	82	0	51	133
8/9/2016	19	1099.4	1640	709.0	82	0	50	132
8/9/2016	20	1099.4	1630	708.9	82	0	50	132
8/9/2016	21	1099.4	1640	709.1	82	0	50	132
8/9/2016	22	1099.4	1620	709.1	82	0	51	133
8/9/2016	23	1099.4	180	708.5	82	0	50	132
8/9/2016	24	1099.4	20	708.0	82	0	49	131
8/10/2016	1	1099.4	20	708.0	82	0	50	132
8/10/2016	2	1099.4	20	708.4	82	0	49	131
8/10/2016	3	1099.4	20	708.4	82	0	50	132
8/10/2016	4	1099.4	20	708.2	82	0	50	132
8/10/2016	5	1099.4	20	708.2	82	0	50	132
8/10/2016	6	1099.4	20	708.2	82	0	51	133
8/10/2016	7	1099.4	1010	708.6	82	0	52	134
8/10/2016	8	1099.4	1650	708.9	82	0	52	134
8/10/2016	9	1099.4	1650	708.9	82	0	52	134
8/10/2016	10	1099.4	1640	708.8	82	0	52	134
8/10/2016	11	1099.4	1650	708.6	82	0	52	134
8/10/2016	12	1099.4	1630	708.6	82	0	53	135
8/10/2016	13	1099.4	1650	708.6	82	0	53	135
8/10/2016	14	1099.4	1650	708.3	82	0	51	133
8/10/2016	15	1099.4	1650	708.4	82	0	52	134
8/10/2016	16	1099.4	1640	708.6	82	0	51	134
8/10/2016	17	1099.4	1640	708.7	82	0	52	134
8/10/2016	18	1099.4	1640	708.6	82	0	53	135
8/10/2016	19	1099.4	1630	708.3	82	0	52	134
8/10/2016	20	1099.4	1630	708.3	82	0	52	134
8/10/2016	21	1099.4	1630	708.6	82	0	52	134
8/10/2016	22	1099.4	1620	709.0	82	0	52	134
8/10/2016	23	1099.4	90	708.5	82	0	52	134
8/10/2016	24	1099.4	20	708.2	82	0	52	134
8/11/2016	1	1099.4	20	708.0	82	0	52	134
8/11/2016	2	1099.4	20	707.8	82	0	52	134
8/11/2016	3	1099.4	20	707.8	82	0	51	133
8/11/2016	4	1099.4	20	707.8	82	0	51	133
8/11/2016	5	1099.4	20	707.8	82	0	52	134
8/11/2016	6	1099.4	20	707.9	82	0	52	134
8/11/2016	7	1099.4	2080	708.9	82	0	52	134
8/11/2016	8	1099.4	2380	709.1	82	0	51	133
8/11/2016	9	1099.4	2430	709.2	82	0	52	135
8/11/2016	10	1099.4	2420	709.2	82	0	53	135
8/11/2016	11	1099.4	2410	709.1	82	0	53	135
8/11/2016	12	1099.4	2410	709.0	82	0	53	135
8/11/2016	13	1099.4	2400	709.0	82	0	53	135
8/11/2016	14	1099.4	2430	709.1	82	0	54	136
8/11/2016	15	1099.3	2420	709.3	82	0	54	136

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8/11/2016	16	1099.3	2420	709.4	82	0	54	136
8/11/2016	17	1099.3	2400	709.2	82	0	53	135
8/11/2016	18	1099.4	2390	709.3	82	0	53	135
8/11/2016	19	1099.3	2390	709.3	82	0	53	135
8/11/2016	20	1099.3	2360	709.3	82	0	53	135
8/11/2016	21	1099.3	2350	709.2	82	0	53	135
8/11/2016	22	1099.3	2370	709.4	82	0	53	135
8/11/2016	23	1099.3	150	708.7	82	0	53	135
8/11/2016	24	1099.3	20	708.2	82	0	52	134
8/12/2016	1	1099.3	20	708.1	82	0	52	134
8/12/2016	2	1099.4	20	707.4	82	0	51	133
8/12/2016	3	1099.4	20	706.6	82	0	51	133
8/12/2016	4	1099.4	20	706.0	82	0	50	132
8/12/2016	5	1099.4	20	705.8	82	0	50	132
8/12/2016	6	1099.4	200	706.1	82	0	50	132
8/12/2016	7	1099.4	2390	708.6	82	0	53	135
8/12/2016	8	1099.4	2400	708.7	82	0	52	135
8/12/2016	9	1099.3	2410	708.7	82	0	52	134
8/12/2016	10	1099.3	2400	708.7	82	0	52	134
8/12/2016	11	1099.3	2390	708.7	82	0	52	135
8/12/2016	12	1099.3	2400	708.7	82	0	54	136
8/12/2016	13	1099.3	2420	708.8	82	0	54	137
8/12/2016	14	1099.3	2400	708.8	82	0	54	136
8/12/2016	15	1099.3	2370	708.8	82	0	52	134
8/12/2016	16	1099.3	2400	708.8	82	0	52	135
8/12/2016	17	1099.3	2360	708.7	82	0	52	135
8/12/2016	18	1099.3	2360	708.9	82	0	52	135
8/12/2016	19	1099.3	2350	709.2	82	0	52	135
8/12/2016	20	1099.3	2360	709.3	82	0	53	135
8/12/2016	21	1099.3	2360	709.4	82	0	52	134
8/12/2016	22	1099.3	2330	709.6	82	0	53	135
8/12/2016	23	1099.3	270	709.0	82	0	52	135
8/12/2016	24	1099.3	20	708.4	82	0	52	134
8/13/2016	1	1099.3	20	707.6	82	0	51	133
8/13/2016	2	1099.3	20	707.0	82	0	51	133
8/13/2016	3	1099.3	20	706.7	82	0	51	133
8/13/2016	4	1099.3	20	706.8	82	0	50	133
8/13/2016	5	1099.3	20	707.0	82	0	51	133
8/13/2016	6	1099.3	150	707.2	82	0	51	134
8/13/2016	7	1099.3	1620	708.3	82	0	52	134
8/13/2016	8	1099.3	1640	708.5	82	0	52	135
8/13/2016	9	1099.3	1660	708.5	82	0	52	134
8/13/2016	10	1099.3	1650	708.5	82	0	53	135
8/13/2016	11	1099.3	1660	708.2	82	0	52	135
8/13/2016	12	1099.3	1650	708.1	82	0	52	134
8/13/2016	13	1099.3	1640	708.1	82	0	52	134
8/13/2016	14	1099.3	1640	708.3	82	0	51	134
8/13/2016	15	1099.3	1650	708.5	82	0	53	135
8/13/2016	16	1099.3	1660	708.5	82	0	51	134
8/13/2016	17	1099.3	1630	708.7	82	0	52	134
8/13/2016	18	1099.3	1630	708.8	82	0	52	134
8/13/2016	19	1099.3	1620	708.7	82	0	52	134

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8/13/2016	20	1099.3	1620	708.5	82	0	52	134
8/13/2016	21	1099.3	1630	708.6	82	0	50	132
8/13/2016	22	1099.3	1620	708.6	82	0	51	133
8/13/2016	23	1099.3	220	708.0	82	0	51	133
8/13/2016	24	1099.3	20	707.6	82	0	51	133
8/14/2016	1	1099.3	20	707.1	82	0	50	133
8/14/2016	2	1099.3	20	706.5	82	0	51	133
8/14/2016	3	1099.3	20	706.6	82	0	51	133
8/14/2016	4	1099.3	20	707.0	82	0	51	134
8/14/2016	5	1099.3	20	706.8	82	0	51	134
8/14/2016	6	1099.3	20	706.8	82	0	51	134
8/14/2016	7	1099.3	20	707.3	82	0	51	134
8/14/2016	8	1099.3	20	707.7	82	0	52	134
8/14/2016	9	1099.3	20	707.7	82	0	52	134
8/14/2016	10	1099.3	20	707.8	82	0	52	134
8/14/2016	11	1099.3	20	707.9	82	0	52	134
8/14/2016	12	1099.3	20	707.9	82	0	52	134
8/14/2016	13	1099.3	20	707.9	82	0	52	134
8/14/2016	14	1099.3	20	707.9	82	0	52	134
8/14/2016	15	1099.3	20	708.1	82	0	52	134
8/14/2016	16	1099.3	20	707.9	82	0	51	133
8/14/2016	17	1099.4	20	707.9	82	0	51	133
8/14/2016	18	1099.4	20	707.9	82	0	50	132
8/14/2016	19	1099.4	20	708.1	82	0	49	132
8/14/2016	20	1099.4	20	708.3	82	0	49	131
8/14/2016	21	1099.4	20	708.2	82	0	50	132
8/14/2016	22	1099.4	20	708.4	82	0	51	134
8/14/2016	23	1099.4	20	708.4	82	0	52	134
8/14/2016	24	1099.4	20	708.3	82	0	51	133
8/15/2016	1	1099.4	20	708.0	82	0	52	134
8/15/2016	2	1099.4	20	707.7	82	0	51	133
8/15/2016	3	1099.4	20	707.7	82	0	52	135
8/15/2016	4	1099.4	20	707.8	82	0	52	134
8/15/2016	5	1099.4	20	707.7	82	0	52	134
8/15/2016	6	1099.4	160	708.1	82	0	52	134
8/15/2016	7	1099.4	1640	708.9	82	0	52	135
8/15/2016	8	1099.4	1640	708.9	82	0	52	134
8/15/2016	9	1099.4	1640	708.7	82	0	51	134
8/15/2016	10	1099.4	1640	708.5	82	0	50	133
8/15/2016	11	1099.4	1650	708.4	82	0	51	133
8/15/2016	12	1099.4	1640	708.6	82	0	52	134
8/15/2016	13	1099.4	1640	708.9	82	0	52	134
8/15/2016	14	1099.4	1650	709.0	82	0	53	135
8/15/2016	15	1099.4	1650	708.9	82	0	53	135
8/15/2016	16	1099.4	1640	708.9	82	0	53	135
8/15/2016	17	1099.4	1640	708.9	82	0	52	135
8/15/2016	18	1099.4	1630	708.9	82	0	53	136
8/15/2016	19	1099.4	1630	708.9	82	0	53	136
8/15/2016	20	1099.4	1620	708.9	82	0	53	135
8/15/2016	21	1099.4	1620	708.9	82	0	53	135
8/15/2016	22	1099.4	1610	708.8	82	0	53	135
8/15/2016	23	1099.4	170	708.2	82	0	52	135

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8/15/2016	24	1099.4	20	708.2	82	0	52	135
8/16/2016	1	1099.4	20	708.0	82	0	52	134
8/16/2016	2	1099.4	20	707.8	82	0	52	134
8/16/2016	3	1099.4	20	708.0	82	0	52	134
8/16/2016	4	1099.4	20	708.1	82	0	51	134
8/16/2016	5	1099.4	20	708.3	82	0	52	134
8/16/2016	6	1099.4	30	708.3	82	0	51	134
8/16/2016	7	1099.4	1630	709.0	82	0	52	135
8/16/2016	8	1099.4	1640	709.1	82	0	53	135
8/16/2016	9	1099.4	1640	708.9	82	0	51	133
8/16/2016	10	1099.4	1640	708.7	82	0	51	134
8/16/2016	11	1099.4	1650	708.7	82	0	52	133
8/16/2016	12	1099.4	1670	708.9	81	0	52	134
8/16/2016	13	1099.4	1660	709.1	81	0	53	134
8/16/2016	14	1099.4	1670	709.3	81	0	52	134
8/16/2016	15	1099.4	1690	709.2	81	0	52	133
8/16/2016	16	1099.4	1700	709.1	81	0	52	134
8/16/2016	17	1099.4	1700	709.1	81	0	52	134
8/16/2016	18	1099.4	1680	709.2	81	0	52	133
8/16/2016	19	1099.4	1690	709.3	81	0	52	133
8/16/2016	20	1099.4	1680	709.6	81	0	51	133
8/16/2016	21	1099.4	1700	709.3	81	0	51	133
8/16/2016	22	1099.4	1680	709.2	81	0	52	133
8/16/2016	23	1099.4	190	708.8	81	0	52	133
8/16/2016	24	1099.4	20	709.0	81	0	52	134
8/17/2016	1	1099.4	20	708.8	81	0	52	134
8/17/2016	2	1099.4	20	708.3	81	0	51	132
8/17/2016	3	1099.4	20	707.4	81	0	50	132
8/17/2016	4	1099.4	20	707.4	81	0	51	132
8/17/2016	5	1099.4	20	707.7	81	0	50	132
8/17/2016	6	1099.4	20	708.0	81	0	51	133
8/17/2016	7	1099.4	20	708.5	81	0	52	133
8/17/2016	8	1099.4	20	709.0	81	0	53	134
8/17/2016	9	1099.4	20	709.1	81	0	52	133
8/17/2016	10	1099.4	20	709.1	81	0	52	133
8/17/2016	11	1099.4	20	709.0	81	0	52	133
8/17/2016	12	1099.3	290	708.7	81	0	54	135
8/17/2016	13	1099.4	2460	709.4	81	0	53	134
8/17/2016	14	1099.4	2430	709.6	81	0	53	135
8/17/2016	15	1099.4	2410	709.6	81	0	54	136
8/17/2016	16	1099.4	2430	709.8	81	0	55	136
8/17/2016	17	1099.4	2430	709.8	81	0	55	137
8/17/2016	18	1099.4	2410	709.6	81	0	56	137
8/17/2016	19	1099.4	2410	709.7	81	0	55	137
8/17/2016	20	1099.4	2390	709.7	81	0	55	137
8/17/2016	21	1099.4	310	709.3	81	0	55	137
8/17/2016	22	1099.4	20	709.2	81	0	54	136
8/17/2016	23	1099.4	20	709.2	81	0	55	136
8/17/2016	24	1099.4	20	709.2	81	0	54	136
8/18/2016	1	1099.4	20	709.0	81	0	54	136
8/18/2016	2	1099.4	20	708.4	81	0	52	134
8/18/2016	3	1099.4	20	708.3	81	0	53	135

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8/18/2016	4	1099.4	20	708.8	81	0	53	135
8/18/2016	5	1099.4	20	708.4	81	0	52	133
8/18/2016	6	1099.4	20	709.0	81	0	52	133
8/18/2016	7	1099.4	20	708.1	81	0	52	133
8/18/2016	8	1099.4	20	707.8	81	0	51	133
8/18/2016	9	1099.4	20	708.0	81	0	52	133
8/18/2016	10	1099.4	20	708.3	81	0	54	136
8/18/2016	11	1099.4	20	708.5	81	0	55	136
8/18/2016	12	1099.4	200	708.8	81	0	55	137
8/18/2016	13	1099.4	2410	709.5	81	0	56	137
8/18/2016	14	1099.4	2400	709.6	81	0	16	97
8/18/2016	15	1099.4	2380	709.7	81	0	0	81
8/18/2016	16	1099.3	2410	709.7	81	0	0	81
8/18/2016	17	1099.3	2350	709.8	81	0	0	81
8/18/2016	18	1099.3	2330	709.9	81	0	0	81
8/18/2016	19	1099.3	2370	709.9	81	0	0	81
8/18/2016	20	1099.3	2330	709.9	81	0	0	81
8/18/2016	21	1099.3	130	709.6	81	0	0	81
8/18/2016	22	1099.3	20	709.7	81	0	0	81
8/18/2016	23	1099.4	20	710.1	81	0	0	81
8/18/2016	24	1099.4	20	710.4	81	0	0	81
8/19/2016	1	1099.4	20	710.2	81	0	0	81
8/19/2016	2	1099.4	20	709.2	81	0	0	81
8/19/2016	3	1099.3	20	708.5	81	0	0	81
8/19/2016	4	1099.3	20	708.1	81	0	0	81
8/19/2016	5	1099.3	20	708.4	81	0	0	81
8/19/2016	6	1099.3	20	708.4	81	0	0	81
8/19/2016	7	1099.3	20	708.6	81	0	0	81
8/19/2016	8	1099.4	20	708.4	81	0	0	81
8/19/2016	9	1099.4	20	708.3	81	0	0	81
8/19/2016	10	1099.4	20	708.4	81	0	0	81
8/19/2016	11	1099.4	20	708.4	81	0	0	81
8/19/2016	12	1099.4	280	708.5	81	0	0	81
8/19/2016	13	1099.4	2440	709.2	81	0	0	81
8/19/2016	14	1099.4	2390	709.3	81	0	0	81
8/19/2016	15	1099.3	2380	709.4	81	0	0	81
8/19/2016	16	1099.3	2370	709.4	81	0	0	81
8/19/2016	17	1099.3	2360	709.4	81	0	0	81
8/19/2016	18	1099.3	2360	709.4	81	0	0	81
8/19/2016	19	1099.3	2340	709.4	81	0	0	81
8/19/2016	20	1099.3	2260	709.3	81	0	0	81
8/19/2016	21	1099.4	50	708.7	81	0	0	81
8/19/2016	22	1099.4	20	708.7	81	0	0	81
8/19/2016	23	1099.4	20	708.5	81	0	0	81
8/19/2016	24	1099.4	20	708.2	81	0	0	81
8/20/2016	1	1099.4	20	707.9	81	0	0	81
8/20/2016	2	1099.4	20	707.5	81	0	0	81
8/20/2016	3	1099.4	20	707.7	81	0	0	81
8/20/2016	4	1099.4	20	708.0	81	0	0	81
8/20/2016	5	1099.4	20	708.0	81	0	0	81
8/20/2016	6	1099.4	20	707.8	81	0	0	81
8/20/2016	7	1099.4	20	707.6	81	0	0	81

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8/20/2016	8	1099.4	20	707.5	81	0	0	81
8/20/2016	9	1099.4	20	708.2	81	0	0	81
8/20/2016	10	1099.4	20	708.1	81	0	0	81
8/20/2016	11	1099.4	20	708.2	81	0	0	81
8/20/2016	12	1099.4	240	708.2	81	0	0	81
8/20/2016	13	1099.4	2410	709.1	81	0	0	81
8/20/2016	14	1099.4	2390	709.0	81	0	0	81
8/20/2016	15	1099.4	2410	709.0	81	0	0	81
8/20/2016	16	1099.4	2390	709.1	81	0	0	81
8/20/2016	17	1099.4	2400	709.1	81	0	0	81
8/20/2016	18	1099.4	2370	709.3	81	0	0	81
8/20/2016	19	1099.4	2330	709.3	81	0	0	81
8/20/2016	20	1099.4	2350	709.4	81	0	0	81
8/20/2016	21	1099.4	330	708.9	81	0	0	81
8/20/2016	22	1099.4	20	708.6	81	0	0	81
8/20/2016	23	1099.4	20	708.6	81	0	0	81
8/20/2016	24	1099.4	20	708.2	81	0	0	81
8/21/2016	1	1099.4	20	708.0	81	0	0	81
8/21/2016	2	1099.4	20	707.9	81	0	0	81
8/21/2016	3	1099.4	20	707.6	81	0	0	81
8/21/2016	4	1099.4	20	707.7	81	0	0	81
8/21/2016	5	1099.4	20	708.2	81	0	0	81
8/21/2016	6	1099.4	20	707.9	81	0	0	81
8/21/2016	7	1099.4	20	707.7	81	0	0	81
8/21/2016	8	1099.4	20	707.8	81	0	0	81
8/21/2016	9	1099.4	10	708.0	81	0	0	81
8/21/2016	10	1099.4	10	707.8	81	0	0	81
8/21/2016	11	1099.4	10	707.6	81	0	0	81
8/21/2016	12	1099.4	20	707.7	81	0	0	81
8/21/2016	13	1099.4	20	708.0	81	0	0	81
8/21/2016	14	1099.4	20	708.0	81	0	0	81
8/21/2016	15	1099.4	20	708.3	81	0	0	81
8/21/2016	16	1099.4	20	708.8	81	0	0	81
8/21/2016	17	1099.4	20	708.9	81	0	0	81
8/21/2016	18	1099.4	20	708.9	81	0	0	81
8/21/2016	19	1099.4	20	708.8	81	0	0	81
8/21/2016	20	1099.5	20	708.8	81	0	0	81
8/21/2016	21	1099.4	20	709.0	81	0	0	81
8/21/2016	22	1099.4	10	708.8	81	0	0	81
8/21/2016	23	1099.4	10	708.6	81	0	0	81
8/21/2016	24	1099.4	10	708.2	81	0	0	81
8/22/2016	1	1099.4	10	708.6	81	0	0	81
8/22/2016	2	1099.4	10	708.7	81	0	0	81
8/22/2016	3	1099.4	10	708.4	81	0	0	81
8/22/2016	4	1099.4	10	708.1	81	0	0	81
8/22/2016	5	1099.4	20	708.4	81	0	0	81
8/22/2016	6	1099.4	20	708.4	81	0	0	81
8/22/2016	7	1099.4	20	708.7	81	0	0	81
8/22/2016	8	1099.4	20	708.5	81	0	0	81
8/22/2016	9	1099.4	20	708.2	81	0	0	81
8/22/2016	10	1099.4	10	708.0	81	0	0	81
8/22/2016	11	1099.4	10	707.6	82	0	0	82

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8/22/2016	12	1099.5	270	707.4	82	0	0	82
8/22/2016	13	1099.5	2350	708.8	82	0	0	82
8/22/2016	14	1099.4	2350	709.0	81	0	0	81
8/22/2016	15	1099.4	2340	709.0	82	0	0	82
8/22/2016	16	1099.4	2350	709.2	82	0	0	82
8/22/2016	17	1099.4	2320	709.2	81	0	0	81
8/22/2016	18	1099.4	2340	709.2	82	0	0	82
8/22/2016	19	1099.4	2320	709.2	82	0	0	82
8/22/2016	20	1099.4	2320	709.2	82	0	0	82
8/22/2016	21	1099.4	320	708.4	82	0	0	82
8/22/2016	22	1099.4	20	708.4	82	0	0	82
8/22/2016	23	1099.4	20	708.2	82	0	0	82
8/22/2016	24	1099.4	20	707.9	82	0	0	82
8/23/2016	1	1099.4	20	707.5	82	0	0	82
8/23/2016	2	1099.4	20	707.3	82	0	0	82
8/23/2016	3	1099.4	20	707.2	82	0	0	82
8/23/2016	4	1099.4	20	707.3	82	0	0	82
8/23/2016	5	1099.4	20	707.4	82	0	0	82
8/23/2016	6	1099.4	120	707.6	82	0	0	82
8/23/2016	7	1099.4	2420	708.8	82	0	0	82
8/23/2016	8	1099.4	2350	708.7	82	0	0	82
8/23/2016	9	1099.4	2360	708.7	82	0	0	82
8/23/2016	10	1099.4	2370	708.7	82	0	0	82
8/23/2016	11	1099.4	2410	708.8	82	0	0	82
8/23/2016	12	1099.4	2390	708.8	81	0	0	81
8/23/2016	13	1099.4	2370	708.8	81	0	0	81
8/23/2016	14	1099.4	2380	708.7	82	0	0	82
8/23/2016	15	1099.3	2380	708.7	82	0	0	82
8/23/2016	16	1099.3	2370	708.8	82	0	0	82
8/23/2016	17	1099.3	2270	708.9	82	0	0	82
8/23/2016	18	1099.3	2380	709.0	82	0	0	82
8/23/2016	19	1099.3	2350	709.0	82	0	0	82
8/23/2016	20	1099.3	2340	708.9	82	0	0	82
8/23/2016	21	1099.3	2350	709.0	82	0	0	82
8/23/2016	22	1099.3	2330	709.1	82	0	0	82
8/23/2016	23	1099.3	330	708.2	82	0	0	82
8/23/2016	24	1099.3	20	707.7	82	0	0	82
8/24/2016	1	1099.3	20	707.1	82	0	0	82
8/24/2016	2	1099.3	20	706.5	82	0	0	82
8/24/2016	3	1099.3	20	706.5	82	0	0	82
8/24/2016	4	1099.3	20	706.5	82	0	0	82
8/24/2016	5	1099.3	20	706.6	82	0	0	82
8/24/2016	6	1099.3	210	706.9	82	0	0	82
8/24/2016	7	1099.3	2400	708.7	82	0	0	82
8/24/2016	8	1099.3	2370	708.8	82	0	0	82
8/24/2016	9	1099.3	2360	708.8	82	0	0	82
8/24/2016	10	1099.3	2360	708.8	82	0	0	82
8/24/2016	11	1099.3	2370	708.7	82	0	0	82
8/24/2016	12	1099.3	2350	708.8	82	0	0	82
8/24/2016	13	1099.3	2350	708.8	82	0	0	82
8/24/2016	14	1099.3	2370	708.9	82	0	0	82
8/24/2016	15	1099.3	2350	709.0	82	0	0	82

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8/24/2016	16	1099.3	2380	709.0	82	0	0	82
8/24/2016	17	1099.3	2370	709.1	82	0	0	82
8/24/2016	18	1099.2	2380	709.2	82	0	0	82
8/24/2016	19	1099.3	2350	709.1	82	0	0	82
8/24/2016	20	1099.2	2360	709.1	82	0	0	82
8/24/2016	21	1099.3	2350	709.2	82	0	0	82
8/24/2016	22	1099.3	2320	709.3	82	0	0	82
8/24/2016	23	1099.2	330	708.6	82	0	0	82
8/24/2016	24	1099.2	20	708.2	82	0	0	82
8/25/2016	1	1099.3	20	707.7	82	0	0	82
8/25/2016	2	1099.3	20	707.4	82	0	0	82
8/25/2016	3	1099.3	20	707.6	82	0	0	82
8/25/2016	4	1099.3	20	707.8	82	0	0	82
8/25/2016	5	1099.3	20	708.2	82	0	0	82
8/25/2016	6	1099.3	170	708.0	82	0	0	82
8/25/2016	7	1099.3	2360	708.8	82	0	0	82
8/25/2016	8	1099.2	2340	708.8	82	0	0	82
8/25/2016	9	1099.2	2360	708.8	82	0	0	82
8/25/2016	10	1099.2	2370	709.0	82	0	0	82
8/25/2016	11	1099.2	2370	709.0	81	0	0	81
8/25/2016	12	1099.2	2380	709.1	81	0	0	81
8/25/2016	13	1099.2	2390	709.0	81	0	0	81
8/25/2016	14	1099.2	2400	709.1	81	0	0	81
8/25/2016	15	1099.2	2400	709.2	81	0	0	81
8/25/2016	16	1099.2	2370	709.2	81	0	0	81
8/25/2016	17	1099.2	2380	709.1	81	0	0	81
8/25/2016	18	1099.2	2370	709.3	81	0	0	81
8/25/2016	19	1099.2	2370	709.3	81	0	0	81
8/25/2016	20	1099.2	2380	709.3	81	0	0	81
8/25/2016	21	1099.2	2350	709.4	81	0	0	81
8/25/2016	22	1099.2	2340	709.4	81	0	0	81
8/25/2016	23	1099.2	260	708.6	81	0	0	81
8/25/2016	24	1099.2	20	708.3	81	0	0	81
8/26/2016	1	1099.2	20	708.2	81	0	0	81
8/26/2016	2	1099.2	20	707.9	81	0	0	81
8/26/2016	3	1099.2	20	707.8	81	0	0	81
8/26/2016	4	1099.2	20	707.9	81	0	0	81
8/26/2016	5	1099.2	20	708.0	81	0	0	81
8/26/2016	6	1099.2	200	708.3	81	0	0	81
8/26/2016	7	1099.2	1990	709.0	81	0	0	81
8/26/2016	8	1099.2	2350	709.1	81	0	0	81
8/26/2016	9	1099.2	1670	708.6	81	0	0	81
8/26/2016	10	1099.1	1650	708.7	81	0	0	81
8/26/2016	11	1099.1	1630	708.7	81	0	0	81
8/26/2016	12	1099.1	1640	708.9	81	0	0	81
8/26/2016	13	1099.1	1660	709.1	81	0	0	81
8/26/2016	14	1099.1	1640	709.3	81	0	0	81
8/26/2016	15	1099.1	1630	709.4	81	0	0	81
8/26/2016	16	1099.1	1650	709.3	81	0	0	81
8/26/2016	17	1099.1	1650	709.2	81	0	0	81
8/26/2016	18	1099.1	1630	709.2	81	0	0	81
8/26/2016	19	1099.1	1610	709.1	81	0	0	81

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8/26/2016	20	1099.1	1630	709.1	81	0	0	81
8/26/2016	21	1099.1	1620	709.0	81	0	0	81
8/26/2016	22	1099.2	1620	709.0	81	0	0	81
8/26/2016	23	1099.1	160	708.8	81	0	0	81
8/26/2016	24	1099.1	20	708.8	81	0	0	81
8/27/2016	1	1099.1	20	708.7	81	0	0	81
8/27/2016	2	1099.1	20	708.1	81	0	0	81
8/27/2016	3	1099.1	20	707.7	81	0	0	81
8/27/2016	4	1099.1	20	707.5	81	0	0	81
8/27/2016	5	1099.1	20	707.7	81	0	0	81
8/27/2016	6	1099.1	200	707.7	81	0	0	81
8/27/2016	7	1099.1	1640	708.5	81	0	0	81
8/27/2016	8	1099.1	1650	708.6	81	0	0	81
8/27/2016	9	1099.1	1630	708.5	81	0	0	81
8/27/2016	10	1099.1	1630	708.3	81	0	0	81
8/27/2016	11	1099.1	1630	708.3	81	0	0	81
8/27/2016	12	1099.1	1640	708.2	81	0	0	81
8/27/2016	13	1099.1	1660	708.2	81	0	0	81
8/27/2016	14	1099.1	1650	708.2	81	0	0	81
8/27/2016	15	1099.2	1650	708.3	81	0	0	81
8/27/2016	16	1099.1	1660	708.4	81	0	0	81
8/27/2016	17	1099.1	1660	708.4	81	0	0	81
8/27/2016	18	1099.1	1650	708.4	81	0	0	81
8/27/2016	19	1099.1	1640	708.3	81	0	0	81
8/27/2016	20	1099.1	1650	708.3	81	0	0	81
8/27/2016	21	1099.1	1640	708.3	81	0	0	81
8/27/2016	22	1099.1	1640	708.5	81	0	0	81
8/27/2016	23	1099.1	130	708.0	81	0	0	81
8/27/2016	24	1099.1	20	707.9	81	0	0	81
8/28/2016	1	1099.1	20	708.0	81	0	0	81
8/28/2016	2	1099.1	20	708.7	81	0	0	81
8/28/2016	3	1099.1	20	708.6	81	0	0	81
8/28/2016	4	1099.2	20	708.3	81	0	0	81
8/28/2016	5	1099.2	20	707.7	81	0	0	81
8/28/2016	6	1099.1	20	708.2	81	0	0	81
8/28/2016	7	1099.1	20	708.4	81	0	0	81
8/28/2016	8	1099.1	20	708.6	81	0	0	81
8/28/2016	9	1099.1	20	708.4	81	0	0	81
8/28/2016	10	1099.1	20	708.2	81	0	0	81
8/28/2016	11	1099.1	20	708.1	81	0	0	81
8/28/2016	12	1099.1	20	708.2	81	0	0	81
8/28/2016	13	1099.1	20	708.5	81	0	0	81
8/28/2016	14	1099.1	20	708.3	81	0	0	81
8/28/2016	15	1099.1	20	708.4	81	0	0	81
8/28/2016	16	1099.1	20	708.4	81	0	0	81
8/28/2016	17	1099.1	20	708.4	81	0	0	81
8/28/2016	18	1099.1	20	708.2	81	0	0	81
8/28/2016	19	1099.1	20	708.3	81	0	0	81
8/28/2016	20	1099.1	20	708.3	81	0	0	81
8/28/2016	21	1099.1	20	708.3	81	0	0	81
8/28/2016	22	1099.1	20	708.1	81	0	0	81
8/28/2016	23	1099.1	20	708.0	81	0	0	81

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8/28/2016	24	1099.1	20	707.7	81	0	0	81
8/29/2016	1	1099.1	20	707.4	81	0	0	81
8/29/2016	2	1099.1	20	707.1	81	0	0	81
8/29/2016	3	1099.1	20	707.0	81	0	0	81
8/29/2016	4	1099.1	20	707.4	81	0	0	81
8/29/2016	5	1099.1	20	707.6	81	0	0	81
8/29/2016	6	1099.1	210	708.0	81	0	0	81
8/29/2016	7	1099.1	1640	708.7	81	0	0	81
8/29/2016	8	1099.1	1640	708.7	81	0	0	81
8/29/2016	9	1099.1	1630	708.4	81	0	0	81
8/29/2016	10	1099.1	1640	708.3	81	0	0	81
8/29/2016	11	1099.1	1640	708.2	81	0	0	81
8/29/2016	12	1099.1	1640	708.1	81	0	0	81
8/29/2016	13	1099.1	1650	708.3	81	0	0	81
8/29/2016	14	1099.1	1660	708.5	81	0	0	81
8/29/2016	15	1099.1	1650	708.5	81	0	0	81
8/29/2016	16	1099.1	1630	708.4	81	0	0	81
8/29/2016	17	1099.1	1640	708.5	81	0	0	81
8/29/2016	18	1099.1	1640	708.6	81	0	0	81
8/29/2016	19	1099.1	1620	708.7	81	0	0	81
8/29/2016	20	1099.1	1630	708.6	81	0	0	81
8/29/2016	21	1099.1	1620	708.7	81	0	0	81
8/29/2016	22	1099.1	1620	708.6	81	0	0	81
8/29/2016	23	1099.1	220	707.9	81	0	0	81
8/29/2016	24	1099.1	20	707.5	81	0	0	81
8/30/2016	1	1099.1	20	707.2	81	0	0	81
8/30/2016	2	1099.1	20	707.0	81	0	0	81
8/30/2016	3	1099.1	20	707.4	81	0	0	81
8/30/2016	4	1099.1	20	707.5	81	0	0	81
8/30/2016	5	1099.1	20	707.5	81	0	0	81
8/30/2016	6	1099.1	220	707.7	81	0	0	81
8/30/2016	7	1099.1	1640	708.4	81	0	0	81
8/30/2016	8	1099.1	1630	708.5	81	0	0	81
8/30/2016	9	1099.1	1650	708.4	81	0	0	81
8/30/2016	10	1099.1	1630	708.2	81	0	0	81
8/30/2016	11	1099.1	1620	708.1	81	0	0	81
8/30/2016	12	1099.1	1640	708.2	81	0	0	81
8/30/2016	13	1099.1	1650	708.2	81	0	0	81
8/30/2016	14	1099.1	1650	708.4	81	0	0	81
8/30/2016	15	1099.1	1640	708.3	81	0	0	81
8/30/2016	16	1099.1	1630	708.3	81	0	0	81
8/30/2016	17	1099.1	1630	708.2	81	0	0	81
8/30/2016	18	1099.1	1620	708.2	81	0	0	81
8/30/2016	19	1099.1	1610	708.2	81	0	0	81
8/30/2016	20	1099.1	1630	708.3	81	0	0	81
8/30/2016	21	1099.1	1620	708.4	81	0	0	81
8/30/2016	22	1099.1	1610	708.3	81	0	0	81
8/30/2016	23	1099.1	230	707.6	81	0	0	81
8/30/2016	24	1099.1	20	707.1	81	0	0	81
8/31/2016	1	1099.1	20	706.9	81	0	0	81
8/31/2016	2	1099.1	20	706.8	81	0	0	81
8/31/2016	3	1099.1	20	707.1	81	0	0	81

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8/31/2016	4	1099.1	20	706.9	81	0	0	81
8/31/2016	5	1099.0	20	707.1	81	0	0	81
8/31/2016	6	1099.1	140	707.6	81	0	0	81
8/31/2016	7	1099.1	1640	708.3	81	0	0	81
8/31/2016	8	1099.1	1620	708.4	81	0	0	81
8/31/2016	9	1099.0	1620	708.4	81	0	0	81
8/31/2016	10	1099.0	1650	708.3	81	0	0	81
8/31/2016	11	1099.0	1650	708.5	81	0	0	81
8/31/2016	12	1099.0	1640	708.3	81	0	0	81
8/31/2016	13	1099.0	1650	708.4	81	0	0	81
8/31/2016	14	1099.0	1660	708.3	81	0	0	81
8/31/2016	15	1099.0	1640	708.3	81	0	0	81
8/31/2016	16	1099.0	1620	708.2	81	0	0	81
8/31/2016	17	1099.0	1630	708.3	81	0	0	81
8/31/2016	18	1099.0	1630	708.3	81	0	0	81
8/31/2016	19	1099.0	1620	708.4	81	0	0	81
8/31/2016	20	1099.1	1610	708.4	81	0	0	81
8/31/2016	21	1099.0	1570	708.3	81	0	0	81
8/31/2016	22	1099.0	1570	708.3	81	0	0	81
8/31/2016	23	1099.0	110	707.9	81	0	0	81
8/31/2016	24	1099.0	20	707.7	81	0	0	81