

## Bitterman, Deborah

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**From:** Hays, Steve  
**Sent:** Monday, August 29, 2016 9:55 AM  
**To:** 'Breean Zimmerman (bzim461@ecy.wa.gov)'; 'Peterschmidt, Mark F. (ECY)'  
**Cc:** 'Jim Pacheco'; 'Korth, Jeffrey '; 'Graham Simon'; 'travis.maitland@dfw.wa.gov'; 'Kari Grover Wier'; 'Alex Martinez (ramartinez@fs.fed.us)'; 'rvacirca@fs.fed.us'; 'Ashley\_Rawhouser@nps.gov'; 'Hugh\_Anthony@nps.gov'; 'Steve Lewis (Stephen\_Lewis@fws.gov)'; 'Rich Domingue (richard.domingue@noaa.gov)'; 'Justin Yeager (Justin.Yeager@noaa.gov)'; 'Bill Towey'; 'Bob Rose (rosb@yakamafish-nsn.gov)'; 'Carl Merkle (carlmerkle@ctuir.com)'; 'Robert Goedde (bgoedde@cityofchelan.us)'; 'Phil Archibald (ndmarkey@gmail.com)'; 'Nick Elwell'; 'tom.ernsberger@parks.wa.gov'; 'nona.snell@rco.wa.gov'; 'wai@mansonparks.com'; 'Richard Uhlhorn (richard@richarduhlhorn.com)'; 'Thomas O'Keefe (okeefe@amwhitewater.org)'; Osborn, Jeff; Smith, Michelle; Sokolowski, Rosana; Steinmetz, Marcie; Bitterman, Deborah; Buehn, Scott; Campbell, Rob; Willard, Catherine; Underwood, Alene  
**Subject:** Chelan River Temperature Monitoring Data - 2016 July and August Data Reports  
**Attachments:** 2016 Chelan River Hourly Temperature Data August Report.pdf; 2016 Chelan River Daily Average Temperature Data August Report.pdf; 2016 Chelan River Daily Average Temperature Data July Report.pdf; 2016 Chelan River Hourly Temperature Data July Report.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY  
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**To:** Department of Ecology  
Water Quality Program  
Central Regional Office

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)  
Lake Chelan Sportsman Association  
United States Geological Survey  
Washington State Parks and Recreation Commission  
Washington State Recreation and Conservation Office  
City of Chelan  
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](mailto:steve.hays@chelanpud.org)

(509)661-4181

Re: Lake Chelan Hydroelectric Project No. 637 (Project)  
Appendix D 401 Water Quality Certification Condition V.C.i)  
Water Temperature Data Reports: 2016 July and August

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Dear Ecology Water Quality Program, Chelan River Fishery Forum and Other Parties:

Water temperature monitoring data for July and August 2016 are provided in the attached files. August data is through 8/25 and the remaining days will be added following retrieval of data loggers after the end of September.

Data for the End of Reach 1 the first part of July is not available at this time because the data logger was not functioning for download. This logger has been sent to the manufacturer to attempt to download data that may have been recorded prior to the logger's failure. Any such data will be added to updated versions of these files when it becomes available. This logger was pre-tested in a water bath and was functioning properly when launched prior to installation on March 29, 2016.

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

Please feel free to call or email any questions or comments.

Steven Hays  
Fish and Wildlife Senior Advisor  
steve.hays@chelanpud.org  
(509) 661-4181

2016 Chelan River Daily Average Temperature Data - July Report

Date	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/1/2016	21.3	21.5	N/A	21.6	21.7	21.6	21.6	21.6
7/2/2016	21.2	21.4	N/A	21.4	21.6	21.5	21.4	21.4
7/3/2016	20.8	20.9	N/A	20.9	21.0	20.9	21.0	21.0
7/4/2016	20.2	20.3	N/A	20.2	20.4	20.2	20.3	20.4
7/5/2016	19.9	20.0	N/A	20.0	20.1	20.0	20.0	20.1
7/6/2016	20.0	20.1	N/A	20.1	20.3	20.2	20.0	20.1
7/7/2016	20.0	20.1	N/A	20.1	20.2	20.1	20.1	20.1
7/8/2016	19.8	19.9	N/A	20.0	20.2	20.1	19.9	20.0
7/9/2016	18.9	19.1	N/A	19.6	19.7	19.6	19.1	19.3
7/10/2016	19.7	19.8	N/A	19.7	19.8	19.8	20.1	20.2
7/11/2016	19.9	20.0	N/A	20.0	20.1	20.1	20.1	20.1
7/12/2016	20.2	20.4	N/A	20.3	20.4	20.4	20.4	20.4
7/13/2016	20.3	20.5	N/A	20.6	20.7	20.6	20.5	20.5
7/14/2016	20.7	20.8	N/A	20.7	20.8	20.8	20.8	20.8
7/15/2016	20.7	20.8	N/A	20.7	20.8	20.7	20.8	20.8
7/16/2016	20.7	20.9	N/A	21.0	21.1	21.0	20.8	20.9
7/17/2016	20.1	20.2	N/A	20.7	20.8	20.8	20.5	20.5
7/18/2016	20.1	20.2	N/A	19.3	19.4	19.3	20.2	20.2
7/19/2016	20.1	20.2	N/A	20.2	20.3	20.3	20.2	20.2
7/20/2016	20.1	20.2	N/A	20.7	20.8	20.8	20.3	20.4
7/21/2016	20.2	20.3	N/A	20.8	20.8	20.9	20.7	20.7
7/22/2016	21.1	21.1	N/A	20.8	20.7	20.8	21.2	21.2
7/23/2016	21.1	21.2	21.3	21.2	21.1	21.2	21.3	21.3
7/24/2016	21.2	21.3	21.7	21.7	21.7	21.8	21.7	21.8
7/25/2016	20.0	20.2	21.7	22.1	22.1	22.3	21.3	21.2
7/26/2016	21.7	21.8	22.1	22.3	22.2	22.4	22.3	22.3
7/27/2016	21.3	21.5	22.3	22.7	22.6	22.8	21.9	21.8
7/28/2016	22.0	22.1	22.7	23.0	23.0	23.2	22.8	22.7
7/29/2016	21.5	21.8	22.6	23.0	23.0	23.2	23.3	23.1
7/30/2016	23.6	23.7	23.1	23.0	23.0	23.0	24.3	24.2
7/31/2016	23.9	23.9	23.0	22.7	22.6	22.6	24.1	24.0

2016 Chelan River Hourly Temperature Data - July Report

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/1/2016	1	21.6	21.8	N/A	21.7	21.8	21.7	21.9	21.8
7/1/2016	2	21.5	21.7	N/A	21.6	21.7	21.6	21.8	21.7
7/1/2016	3	21.5	21.7	N/A	21.5	21.6	21.5	21.7	21.7
7/1/2016	4	21.4	21.6	N/A	21.4	21.6	21.4	21.6	21.6
7/1/2016	5	21.4	21.5	N/A	21.3	21.4	21.3	21.5	21.5
7/1/2016	6	21.3	21.4	N/A	21.2	21.3	21.2	21.5	21.4
7/1/2016	7	21.2	21.3	N/A	21.2	21.3	21.2	21.5	21.3
7/1/2016	8	21.1	21.2	N/A	21.2	21.3	21.2	21.5	21.3
7/1/2016	9	21.1	21.2	N/A	21.2	21.4	21.3	21.5	21.2
7/1/2016	10	21.1	21.2	N/A	21.4	21.5	21.5	21.4	21.2
7/1/2016	11	21.0	21.3	N/A	21.5	21.6	21.6	21.4	21.3
7/1/2016	12	21.1	21.3	N/A	21.6	21.7	21.7	21.4	21.4
7/1/2016	13	21.1	21.4	N/A	21.7	21.8	21.7	21.4	21.4
7/1/2016	14	21.2	21.5	N/A	21.7	21.9	21.8	21.5	21.5
7/1/2016	15	21.3	21.6	N/A	21.8	22.0	21.9	21.5	21.6
7/1/2016	16	21.4	21.7	N/A	21.9	22.0	22.0	21.6	21.7
7/1/2016	17	21.4	21.7	N/A	22.0	22.1	22.1	21.6	21.7
7/1/2016	18	21.5	21.8	N/A	22.0	22.1	22.1	21.7	21.8
7/1/2016	19	21.5	21.8	N/A	21.9	22.1	22.0	21.7	21.8
7/1/2016	20	21.5	21.7	N/A	21.8	22.0	21.9	21.8	21.8
7/1/2016	21	21.5	21.7	N/A	21.7	21.8	21.7	21.8	21.8
7/1/2016	22	21.5	21.7	N/A	21.6	21.7	21.6	21.8	21.7
7/1/2016	23	21.4	21.6	N/A	21.5	21.7	21.6	21.7	21.6
7/1/2016	24	21.4	21.5	N/A	21.4	21.6	21.5	21.6	21.6
7/2/2016	1	21.3	21.5	N/A	21.4	21.5	21.4	21.6	21.6
7/2/2016	2	21.3	21.5	N/A	21.4	21.5	21.4	21.5	21.5
7/2/2016	3	21.2	21.4	N/A	21.3	21.4	21.3	21.5	21.5
7/2/2016	4	21.2	21.3	N/A	21.3	21.4	21.3	21.4	21.4
7/2/2016	5	21.1	21.3	N/A	21.2	21.3	21.2	21.3	21.4
7/2/2016	6	21.1	21.2	N/A	21.2	21.3	21.2	21.3	21.3
7/2/2016	7	21.0	21.2	N/A	21.2	21.3	21.2	21.3	21.2
7/2/2016	8	21.0	21.1	N/A	21.1	21.3	21.2	21.3	21.2
7/2/2016	9	21.0	21.1	N/A	21.2	21.3	21.2	21.3	21.2
7/2/2016	10	20.9	21.1	N/A	21.2	21.3	21.2	21.3	21.2
7/2/2016	11	20.9	21.2	N/A	21.4	21.5	21.4	21.3	21.2
7/2/2016	12	21.0	21.2	N/A	21.7	21.8	21.8	21.3	21.2
7/2/2016	13	21.0	21.3	N/A	21.8	21.9	21.9	21.3	21.3
7/2/2016	14	21.1	21.4	N/A	21.9	22.1	22.1	21.3	21.4
7/2/2016	15	21.2	21.5	N/A	22.0	22.1	22.1	21.4	21.5
7/2/2016	16	21.4	21.6	N/A	22.0	22.1	22.1	21.4	21.6
7/2/2016	17	21.4	21.7	N/A	22.0	22.1	22.1	21.4	21.7
7/2/2016	18	21.4	21.7	N/A	21.8	21.9	21.9	21.5	21.7
7/2/2016	19	21.4	21.6	N/A	21.6	21.7	21.7	21.5	21.6
7/2/2016	20	21.4	21.6	N/A	21.4	21.5	21.4	21.6	21.6
7/2/2016	21	21.4	21.6	N/A	21.3	21.4	21.3	21.6	21.6
7/2/2016	22	21.4	21.5	N/A	21.1	21.3	21.1	21.5	21.5
7/2/2016	23	21.3	21.4	N/A	21.1	21.2	21.1	21.5	21.4

7/2/2016	24	21.1	21.2	N/A	21.0	21.1	21.0	21.4	21.3
7/3/2016	1	21.1	21.2	N/A	20.9	21.0	20.9	21.3	21.2
7/3/2016	2	21.0	21.1	N/A	20.7	20.8	20.7	21.2	21.2
7/3/2016	3	20.9	21.0	N/A	20.7	20.8	20.6	21.1	21.1
7/3/2016	4	20.9	21.0	N/A	20.6	20.7	20.5	21.0	21.0
7/3/2016	5	20.8	20.9	N/A	20.5	20.6	20.4	20.9	21.0
7/3/2016	6	20.8	20.8	N/A	20.5	20.6	20.4	20.9	20.9
7/3/2016	7	20.7	20.8	N/A	20.5	20.6	20.4	20.9	20.8
7/3/2016	8	20.6	20.8	N/A	20.5	20.6	20.5	20.9	20.8
7/3/2016	9	20.6	20.8	N/A	20.7	20.8	20.7	20.9	20.8
7/3/2016	10	20.6	20.8	N/A	21.0	21.1	21.0	20.9	20.8
7/3/2016	11	20.6	20.8	N/A	21.2	21.4	21.3	20.9	20.8
7/3/2016	12	20.6	20.8	N/A	21.5	21.6	21.6	20.9	20.9
7/3/2016	13	20.7	20.9	N/A	21.6	21.7	21.7	20.9	21.0
7/3/2016	14	20.8	21.0	N/A	21.5	21.7	21.7	20.9	21.1
7/3/2016	15	20.8	21.1	N/A	21.5	21.6	21.6	20.9	21.1
7/3/2016	16	20.9	21.2	N/A	21.4	21.5	21.5	20.9	21.2
7/3/2016	17	20.9	21.2	N/A	21.3	21.5	21.4	21.0	21.2
7/3/2016	18	20.9	21.2	N/A	21.2	21.3	21.2	21.0	21.2
7/3/2016	19	20.9	21.1	N/A	21.1	21.2	21.1	21.0	21.2
7/3/2016	20	20.9	21.1	N/A	20.9	21.1	20.9	21.0	21.1
7/3/2016	21	20.9	21.0	N/A	20.8	20.9	20.8	21.0	21.1
7/3/2016	22	20.8	20.9	N/A	20.7	20.8	20.7	20.9	21.0
7/3/2016	23	20.8	20.8	N/A	20.6	20.7	20.5	20.9	20.9
7/3/2016	24	20.7	20.7	N/A	20.4	20.5	20.4	20.8	20.8
7/4/2016	1	20.6	20.6	N/A	20.3	20.5	20.3	20.7	20.6
7/4/2016	2	20.5	20.5	N/A	20.3	20.4	20.3	20.6	20.5
7/4/2016	3	20.3	20.4	N/A	20.2	20.3	20.2	20.5	20.5
7/4/2016	4	20.3	20.3	N/A	20.1	20.3	20.1	20.4	20.4
7/4/2016	5	20.2	20.3	N/A	20.1	20.2	20.0	20.3	20.4
7/4/2016	6	20.2	20.2	N/A	20.0	20.1	20.0	20.3	20.3
7/4/2016	7	20.1	20.2	N/A	20.0	20.1	20.0	20.3	20.2
7/4/2016	8	20.0	20.1	N/A	20.0	20.2	20.0	20.3	20.2
7/4/2016	9	20.0	20.1	N/A	20.1	20.2	20.1	20.3	20.2
7/4/2016	10	20.0	20.1	N/A	20.0	20.2	20.0	20.2	20.2
7/4/2016	11	20.0	20.1	N/A	20.1	20.2	20.1	20.2	20.2
7/4/2016	12	20.0	20.1	N/A	20.2	20.3	20.2	20.2	20.2
7/4/2016	13	20.0	20.2	N/A	20.2	20.3	20.2	20.2	20.3
7/4/2016	14	20.1	20.3	N/A	20.5	20.6	20.5	20.2	20.3
7/4/2016	15	20.2	20.4	N/A	20.7	20.8	20.8	20.2	20.4
7/4/2016	16	20.2	20.4	N/A	20.7	20.8	20.8	20.2	20.5
7/4/2016	17	20.3	20.5	N/A	20.7	20.8	20.7	20.2	20.5
7/4/2016	18	20.3	20.5	N/A	20.5	20.7	20.6	20.3	20.5
7/4/2016	19	20.3	20.4	N/A	20.4	20.5	20.4	20.3	20.5
7/4/2016	20	20.3	20.3	N/A	20.2	20.4	20.2	20.3	20.4
7/4/2016	21	20.2	20.3	N/A	20.1	20.2	20.1	20.3	20.4
7/4/2016	22	20.2	20.2	N/A	20.0	20.2	20.0	20.2	20.3
7/4/2016	23	20.1	20.2	N/A	20.0	20.1	19.9	20.2	20.3
7/4/2016	24	20.1	20.1	N/A	19.9	20.1	19.9	20.1	20.2
7/5/2016	1	20.0	20.0	N/A	19.9	20.0	19.9	20.1	20.1
7/5/2016	2	19.9	19.9	N/A	19.8	19.9	19.8	20.0	20.0
7/5/2016	3	19.9	19.9	N/A	19.7	19.8	19.7	19.9	20.0
7/5/2016	4	19.8	19.8	N/A	19.6	19.7	19.6	19.9	19.9
7/5/2016	5	19.7	19.7	N/A	19.6	19.7	19.5	19.8	19.9

7/5/2016	6	19.7	19.7	N/A	19.5	19.7	19.5	19.8	19.8
7/5/2016	7	19.6	19.7	N/A	19.5	19.6	19.5	19.8	19.8
7/5/2016	8	19.6	19.7	N/A	19.6	19.7	19.6	19.8	19.8
7/5/2016	9	19.6	19.7	N/A	19.7	19.9	19.8	19.8	19.8
7/5/2016	10	19.6	19.7	N/A	19.9	20.1	20.0	19.8	19.8
7/5/2016	11	19.7	19.8	N/A	20.2	20.3	20.2	19.8	19.9
7/5/2016	12	19.7	19.9	N/A	20.4	20.5	20.5	19.8	20.0
7/5/2016	13	19.8	20.0	N/A	20.2	20.4	20.5	19.9	20.0
7/5/2016	14	19.8	20.1	N/A	20.3	20.4	20.4	20.0	20.1
7/5/2016	15	19.9	20.2	N/A	20.3	20.5	20.4	20.0	20.2
7/5/2016	16	20.0	20.2	N/A	20.6	20.7	20.6	20.0	20.2
7/5/2016	17	20.1	20.3	N/A	20.8	20.9	20.8	20.1	20.3
7/5/2016	18	20.1	20.3	N/A	20.6	20.7	20.7	20.1	20.4
7/5/2016	19	20.1	20.2	N/A	20.2	20.4	20.4	20.2	20.3
7/5/2016	20	20.1	20.2	N/A	20.0	20.1	20.0	20.2	20.3
7/5/2016	21	20.1	20.2	N/A	19.8	19.9	19.9	20.2	20.2
7/5/2016	22	20.0	20.1	N/A	19.7	19.8	19.7	20.2	20.2
7/5/2016	23	20.0	20.1	N/A	19.7	19.8	19.7	20.1	20.2
7/5/2016	24	19.9	20.0	N/A	19.6	19.7	19.6	20.1	20.1
7/6/2016	1	19.9	20.0	N/A	19.5	19.7	19.5	20.0	20.1
7/6/2016	2	19.9	19.9	N/A	19.4	19.5	19.4	20.0	20.0
7/6/2016	3	19.8	19.9	N/A	19.3	19.4	19.3	19.9	20.0
7/6/2016	4	19.8	19.8	N/A	19.2	19.4	19.2	19.9	19.9
7/6/2016	5	19.7	19.7	N/A	19.2	19.3	19.2	19.8	19.9
7/6/2016	6	19.7	19.7	N/A	19.1	19.2	19.1	19.8	19.8
7/6/2016	7	19.6	19.7	N/A	19.1	19.2	19.1	19.8	19.8
7/6/2016	8	19.6	19.7	N/A	19.2	19.3	19.2	19.9	19.7
7/6/2016	9	19.6	19.7	N/A	19.4	19.5	19.4	19.9	19.7
7/6/2016	10	19.6	19.8	N/A	19.8	19.9	19.8	19.9	19.8
7/6/2016	11	19.6	19.8	N/A	20.3	20.4	20.3	19.9	19.8
7/6/2016	12	19.7	19.9	N/A	20.7	20.8	20.8	19.9	19.9
7/6/2016	13	19.8	20.1	N/A	21.0	21.1	21.1	19.9	20.0
7/6/2016	14	19.9	20.2	N/A	21.2	21.4	21.4	20.0	20.2
7/6/2016	15	20.1	20.4	N/A	21.3	21.5	21.5	20.0	20.2
7/6/2016	16	20.2	20.5	N/A	21.4	21.5	21.5	20.1	20.4
7/6/2016	17	20.3	20.6	N/A	21.3	21.5	21.5	20.2	20.4
7/6/2016	18	20.3	20.5	N/A	21.1	21.2	21.2	20.2	20.5
7/6/2016	19	20.3	20.4	N/A	20.8	21.0	20.9	20.3	20.5
7/6/2016	20	20.3	20.5	N/A	20.6	20.7	20.7	20.4	20.5
7/6/2016	21	20.3	20.4	N/A	20.3	20.4	20.4	20.4	20.4
7/6/2016	22	20.3	20.4	N/A	20.1	20.2	20.1	20.4	20.4
7/6/2016	23	20.3	20.4	N/A	20.0	20.1	20.0	20.3	20.4
7/6/2016	24	20.3	20.3	N/A	19.9	20.0	19.9	20.3	20.4
7/7/2016	1	20.2	20.2	N/A	19.8	19.9	19.8	20.2	20.3
7/7/2016	2	20.1	20.2	N/A	19.7	19.8	19.7	20.2	20.2
7/7/2016	3	20.0	20.1	N/A	19.7	19.8	19.7	20.1	20.2
7/7/2016	4	20.0	20.0	N/A	19.6	19.7	19.6	20.1	20.1
7/7/2016	5	19.9	20.0	N/A	19.6	19.7	19.6	20.0	20.1
7/7/2016	6	19.9	20.0	N/A	19.5	19.7	19.5	20.0	20.1
7/7/2016	7	19.9	20.0	N/A	19.5	19.7	19.6	20.0	20.0
7/7/2016	8	19.8	20.0	N/A	19.6	19.7	19.6	20.0	20.0
7/7/2016	9	19.8	20.0	N/A	19.7	19.8	19.7	20.0	20.0
7/7/2016	10	19.8	19.9	N/A	19.8	20.0	19.9	20.0	20.0
7/7/2016	11	19.8	20.0	N/A	20.1	20.2	20.1	20.0	20.0

7/7/2016	12	19.8	20.0	N/A	20.3	20.4	20.3	20.0	20.0
7/7/2016	13	19.9	20.0	N/A	20.4	20.5	20.4	20.0	20.0
7/7/2016	14	19.9	20.1	N/A	20.5	20.6	20.6	20.0	20.0
7/7/2016	15	19.9	20.2	N/A	20.6	20.7	20.7	20.0	20.1
7/7/2016	16	20.0	20.2	N/A	20.8	20.9	20.8	20.1	20.1
7/7/2016	17	20.0	20.2	N/A	20.8	20.9	20.9	20.1	20.1
7/7/2016	18	20.0	20.2	N/A	20.7	20.9	20.9	20.1	20.2
7/7/2016	19	20.1	20.2	N/A	20.7	20.8	20.7	20.1	20.2
7/7/2016	20	20.1	20.2	N/A	20.6	20.7	20.7	20.2	20.2
7/7/2016	21	20.1	20.2	N/A	20.3	20.4	20.4	20.2	20.2
7/7/2016	22	20.1	20.1	N/A	19.9	20.1	20.0	20.1	20.2
7/7/2016	23	20.0	20.1	N/A	19.7	19.8	19.7	20.1	20.2
7/7/2016	24	20.0	20.1	N/A	19.6	19.7	19.6	20.1	20.2
7/8/2016	1	20.0	20.1	N/A	19.5	19.6	19.5	20.0	20.1
7/8/2016	2	19.9	20.0	N/A	19.5	19.6	19.5	20.0	20.1
7/8/2016	3	19.9	20.0	N/A	19.5	19.6	19.5	20.0	20.0
7/8/2016	4	19.9	19.9	N/A	19.5	19.6	19.5	19.9	20.0
7/8/2016	5	19.8	19.9	N/A	19.5	19.6	19.5	19.9	20.0
7/8/2016	6	19.8	19.9	N/A	19.4	19.6	19.5	19.9	19.9
7/8/2016	7	19.8	19.8	N/A	19.4	19.6	19.4	19.9	19.9
7/8/2016	8	19.7	19.8	N/A	19.4	19.6	19.4	19.9	19.9
7/8/2016	9	19.7	19.9	N/A	19.5	19.7	19.6	19.9	19.9
7/8/2016	10	19.7	19.9	N/A	19.7	19.8	19.8	19.9	19.9
7/8/2016	11	19.7	19.9	N/A	20.0	20.1	20.0	19.9	20.0
7/8/2016	12	19.8	19.9	N/A	20.2	20.3	20.2	19.9	20.0
7/8/2016	13	19.8	20.0	N/A	20.5	20.6	20.6	20.0	20.0
7/8/2016	14	19.8	20.1	N/A	20.8	20.9	20.9	20.0	20.1
7/8/2016	15	19.9	20.1	N/A	21.2	21.3	21.4	20.0	20.1
7/8/2016	16	19.9	20.1	N/A	21.5	21.6	21.6	20.0	20.1
7/8/2016	17	19.9	20.1	N/A	21.5	21.7	21.6	19.9	20.1
7/8/2016	18	19.9	20.1	N/A	21.0	21.2	21.3	19.9	20.2
7/8/2016	19	19.9	20.1	N/A	20.5	20.7	20.7	19.9	20.1
7/8/2016	20	19.9	20.0	N/A	20.2	20.4	20.3	19.9	20.1
7/8/2016	21	19.8	19.9	N/A	19.9	20.1	20.0	19.9	20.0
7/8/2016	22	19.8	19.8	N/A	19.7	19.9	19.8	19.8	19.8
7/8/2016	23	19.6	19.6	N/A	19.6	19.7	19.6	19.6	19.6
7/8/2016	24	19.4	19.4	N/A	19.4	19.6	19.5	19.5	19.4
7/9/2016	1	19.2	19.2	N/A	19.4	19.5	19.4	19.3	19.3
7/9/2016	2	19.0	19.0	N/A	19.3	19.5	19.3	19.1	19.2
7/9/2016	3	18.9	18.8	N/A	19.2	19.3	19.2	18.9	19.0
7/9/2016	4	18.3	18.2	N/A	19.0	19.1	19.0	18.7	18.8
7/9/2016	5	18.0	18.0	N/A	18.7	18.9	18.8	18.5	18.6
7/9/2016	6	17.7	17.6	N/A	18.5	18.7	18.6	18.3	18.3
7/9/2016	7	17.5	17.3	N/A	18.2	18.4	18.3	18.2	18.0
7/9/2016	8	17.4	17.6	N/A	18.1	18.2	18.2	18.0	18.0
7/9/2016	9	17.7	18.2	N/A	18.1	18.2	18.2	18.1	18.4
7/9/2016	10	18.6	18.9	N/A	18.3	18.4	18.4	18.3	18.8
7/9/2016	11	18.8	18.9	N/A	18.8	18.9	18.8	18.6	19.1
7/9/2016	12	18.8	18.9	N/A	19.5	19.5	19.5	18.9	19.2
7/9/2016	13	18.6	18.9	N/A	20.3	20.3	20.3	19.2	19.3
7/9/2016	14	18.9	19.3	N/A	21.0	21.0	21.0	19.3	19.5
7/9/2016	15	19.2	19.6	N/A	21.4	21.5	21.5	19.4	19.6
7/9/2016	16	19.6	19.9	N/A	21.4	21.5	21.5	19.5	19.7
7/9/2016	17	19.8	19.9	N/A	21.2	21.4	21.4	19.6	19.8

7/9/2016	18	19.8	20.0	N/A	20.8	21.0	21.0	19.6	20.0
7/9/2016	19	19.8	20.0	N/A	20.4	20.6	20.5	19.7	20.0
7/9/2016	20	19.8	20.0	N/A	20.2	20.3	20.2	19.8	20.0
7/9/2016	21	19.8	19.9	N/A	19.8	20.0	19.9	19.9	20.0
7/9/2016	22	19.8	19.9	N/A	19.5	19.7	19.6	19.9	20.0
7/9/2016	23	19.8	19.8	N/A	19.2	19.4	19.3	19.9	19.9
7/9/2016	24	19.8	19.8	N/A	19.0	19.2	19.1	19.8	19.9
7/10/2016	1	19.7	19.8	N/A	18.9	19.0	18.9	19.8	19.9
7/10/2016	2	19.7	19.7	N/A	18.8	18.9	18.8	19.8	20.0
7/10/2016	3	19.7	19.7	N/A	18.7	18.9	18.7	19.8	20.1
7/10/2016	4	19.7	19.7	N/A	18.7	18.8	18.7	19.7	20.0
7/10/2016	5	19.6	19.7	N/A	18.6	18.8	18.6	19.7	19.9
7/10/2016	6	19.6	19.7	N/A	18.6	18.7	18.6	19.8	19.9
7/10/2016	7	19.6	19.7	N/A	18.6	18.7	18.6	19.8	19.9
7/10/2016	8	19.6	19.7	N/A	18.7	18.8	18.8	19.9	20.0
7/10/2016	9	19.6	19.8	N/A	19.0	19.1	19.0	20.0	19.8
7/10/2016	10	19.6	19.7	N/A	19.2	19.3	19.1	20.1	20.0
7/10/2016	11	19.6	19.8	N/A	19.6	19.7	19.7	20.1	20.1
7/10/2016	12	19.6	19.8	N/A	19.9	20.0	20.0	20.2	20.2
7/10/2016	13	19.7	19.9	N/A	20.3	20.4	20.4	20.3	20.6
7/10/2016	14	19.7	19.9	N/A	20.5	20.6	20.5	20.3	20.4
7/10/2016	15	19.8	19.9	N/A	21.2	21.2	21.2	20.4	20.3
7/10/2016	16	19.8	20.1	N/A	21.2	21.3	21.3	20.4	20.2
7/10/2016	17	19.8	20.0	N/A	21.2	21.4	21.4	20.5	20.7
7/10/2016	18	19.8	20.0	N/A	21.2	21.3	21.3	20.5	20.8
7/10/2016	19	19.8	20.0	N/A	21.0	21.2	21.1	20.4	20.8
7/10/2016	20	19.8	20.0	N/A	20.7	20.9	20.9	20.3	20.5
7/10/2016	21	19.9	20.0	N/A	20.2	20.4	20.3	20.3	20.4
7/10/2016	22	19.9	20.0	N/A	19.7	19.8	19.8	20.2	20.2
7/10/2016	23	19.9	20.0	N/A	19.3	19.4	19.3	20.1	20.2
7/10/2016	24	19.9	19.9	N/A	19.1	19.2	19.1	20.1	20.1
7/11/2016	1	19.8	19.9	N/A	18.9	19.1	18.9	20.0	20.1
7/11/2016	2	19.8	19.9	N/A	18.9	19.0	18.9	19.9	20.0
7/11/2016	3	19.8	19.8	N/A	18.9	19.0	18.8	19.9	20.0
7/11/2016	4	19.8	19.8	N/A	18.8	18.9	18.8	19.9	19.9
7/11/2016	5	19.8	19.8	N/A	18.7	18.9	18.7	19.9	19.9
7/11/2016	6	19.7	19.8	N/A	18.7	18.8	18.7	19.8	19.8
7/11/2016	7	19.7	19.8	N/A	18.7	18.8	18.7	19.8	19.8
7/11/2016	8	19.7	19.8	N/A	18.7	18.8	18.7	19.8	19.8
7/11/2016	9	19.7	19.8	N/A	19.0	19.0	18.9	19.8	19.8
7/11/2016	10	19.7	19.8	N/A	19.4	19.5	19.4	19.8	19.8
7/11/2016	11	19.7	19.9	N/A	20.1	20.1	20.0	19.8	19.9
7/11/2016	12	19.7	20.0	N/A	20.8	20.8	20.8	19.9	20.0
7/11/2016	13	19.8	20.1	N/A	21.5	21.5	21.5	20.0	20.0
7/11/2016	14	19.8	20.0	N/A	21.9	22.0	22.0	20.0	20.1
7/11/2016	15	19.9	20.1	N/A	21.8	22.0	22.2	20.1	20.2
7/11/2016	16	19.9	20.2	N/A	21.6	21.8	21.9	20.2	20.2
7/11/2016	17	20.0	20.2	N/A	21.5	21.7	21.7	20.3	20.3
7/11/2016	18	20.1	20.3	N/A	21.1	21.3	21.3	20.3	20.4
7/11/2016	19	20.1	20.3	N/A	20.9	21.1	21.0	20.3	20.4
7/11/2016	20	20.2	20.3	N/A	20.8	21.0	20.8	20.3	20.5
7/11/2016	21	20.2	20.3	N/A	20.5	20.7	20.6	20.4	20.6
7/11/2016	22	20.2	20.3	N/A	20.0	20.2	20.2	20.4	20.6
7/11/2016	23	20.2	20.3	N/A	19.7	19.9	19.8	20.4	20.5



7/11/2016	24	20.2	20.3	N/A	19.5	19.7	19.6	20.4	20.5
7/12/2016	1	20.3	20.4	N/A	19.4	19.6	19.4	20.4	20.5
7/12/2016	2	20.3	20.4	N/A	19.3	19.4	19.3	20.4	20.5
7/12/2016	3	20.3	20.4	N/A	19.2	19.4	19.2	20.4	20.4
7/12/2016	4	20.3	20.3	N/A	19.2	19.4	19.2	20.3	20.4
7/12/2016	5	20.2	20.2	N/A	19.2	19.3	19.2	20.3	20.3
7/12/2016	6	20.1	20.2	N/A	19.2	19.4	19.2	20.2	20.2
7/12/2016	7	20.0	20.1	N/A	19.3	19.5	19.3	20.2	20.2
7/12/2016	8	20.0	20.1	N/A	19.4	19.5	19.4	20.1	20.1
7/12/2016	9	19.9	20.1	N/A	19.6	19.7	19.6	20.1	20.1
7/12/2016	10	19.9	20.1	N/A	19.9	20.0	19.9	20.1	20.1
7/12/2016	11	19.9	20.2	N/A	20.4	20.4	20.4	20.1	20.2
7/12/2016	12	20.0	20.2	N/A	21.1	21.1	21.1	20.2	20.2
7/12/2016	13	20.1	20.4	N/A	21.8	21.8	21.8	20.2	20.3
7/12/2016	14	20.1	20.4	N/A	21.7	21.8	21.8	20.3	20.4
7/12/2016	15	20.3	20.6	N/A	21.5	21.7	21.8	20.4	20.5
7/12/2016	16	20.4	20.8	N/A	21.6	21.7	21.7	20.4	20.5
7/12/2016	17	20.5	20.6	N/A	21.8	21.9	21.8	20.5	20.6
7/12/2016	18	20.4	20.6	N/A	21.7	21.9	21.9	20.6	20.7
7/12/2016	19	20.5	20.7	N/A	21.1	21.3	21.3	20.6	20.7
7/12/2016	20	20.6	20.7	N/A	20.7	20.9	20.8	20.7	20.7
7/12/2016	21	20.5	20.6	N/A	20.5	20.6	20.5	20.6	20.7
7/12/2016	22	20.5	20.5	N/A	20.2	20.3	20.2	20.6	20.6
7/12/2016	23	20.4	20.5	N/A	19.9	20.1	20.0	20.5	20.5
7/12/2016	24	20.4	20.4	N/A	19.7	19.8	19.7	20.5	20.5
7/13/2016	1	20.3	20.4	N/A	19.5	19.7	19.5	20.4	20.4
7/13/2016	2	20.3	20.3	N/A	19.4	19.6	19.4	20.4	20.4
7/13/2016	3	20.2	20.3	N/A	19.4	19.5	19.4	20.3	20.3
7/13/2016	4	20.2	20.2	N/A	19.3	19.5	19.3	20.3	20.3
7/13/2016	5	20.2	20.2	N/A	19.3	19.4	19.3	20.2	20.3
7/13/2016	6	20.1	20.2	N/A	19.2	19.4	19.2	20.2	20.2
7/13/2016	7	20.1	20.2	N/A	19.2	19.4	19.2	20.2	20.2
7/13/2016	8	20.1	20.2	N/A	19.3	19.5	19.3	20.2	20.2
7/13/2016	9	20.1	20.2	N/A	19.6	19.6	19.6	20.2	20.2
7/13/2016	10	20.1	20.3	N/A	19.9	20.0	19.9	20.2	20.3
7/13/2016	11	20.1	20.3	N/A	20.5	20.6	20.5	20.2	20.3
7/13/2016	12	20.2	20.5	N/A	21.3	21.4	21.3	20.3	20.4
7/13/2016	13	20.3	20.6	N/A	22.0	22.1	22.1	20.4	20.5
7/13/2016	14	20.4	20.6	N/A	22.4	22.5	22.5	20.5	20.6
7/13/2016	15	20.4	20.7	N/A	22.7	22.8	22.8	20.5	20.6
7/13/2016	16	20.5	20.8	N/A	22.3	22.5	22.6	20.6	20.7
7/13/2016	17	20.6	20.9	N/A	21.8	22.0	22.2	20.7	20.7
7/13/2016	18	20.6	20.8	N/A	21.6	21.8	21.8	20.8	20.8
7/13/2016	19	20.6	20.8	N/A	21.5	21.7	21.6	20.8	20.8
7/13/2016	20	20.6	20.7	N/A	21.3	21.4	21.3	20.8	20.8
7/13/2016	21	20.6	20.8	N/A	20.9	21.0	21.0	20.8	20.8
7/13/2016	22	20.6	20.8	N/A	20.5	20.6	20.6	20.7	20.8
7/13/2016	23	20.6	20.7	N/A	20.2	20.3	20.2	20.7	20.8
7/13/2016	24	20.6	20.7	N/A	20.0	20.2	20.0	20.7	20.7
7/14/2016	1	20.6	20.7	N/A	19.9	20.0	19.9	20.6	20.7
7/14/2016	2	20.5	20.6	N/A	19.7	19.8	19.7	20.6	20.6
7/14/2016	3	20.5	20.6	N/A	19.6	19.7	19.6	20.5	20.6
7/14/2016	4	20.5	20.5	N/A	19.5	19.6	19.5	20.5	20.6
7/14/2016	5	20.4	20.5	N/A	19.4	19.6	19.4	20.5	20.6

7/14/2016	6	20.4	20.4	N/A	19.4	19.5	19.3	20.5	20.6
7/14/2016	7	20.4	20.4	N/A	19.4	19.5	19.3	20.5	20.5
7/14/2016	8	20.3	20.5	N/A	19.4	19.5	19.4	20.5	20.5
7/14/2016	9	20.3	20.5	N/A	19.6	19.7	19.6	20.5	20.5
7/14/2016	10	20.4	20.6	N/A	20.1	20.1	20.0	20.5	20.6
7/14/2016	11	20.4	20.7	N/A	20.7	20.8	20.7	20.6	20.6
7/14/2016	12	20.5	20.8	N/A	21.5	21.6	21.5	20.7	20.7
7/14/2016	13	20.5	20.8	N/A	22.2	22.3	22.3	20.7	20.8
7/14/2016	14	20.6	21.0	N/A	22.6	22.7	22.7	20.8	20.9
7/14/2016	15	20.9	21.2	N/A	22.8	23.0	23.0	20.9	21.1
7/14/2016	16	20.9	21.3	N/A	22.9	23.0	23.1	21.0	21.1
7/14/2016	17	21.0	21.2	N/A	22.7	22.9	22.9	21.1	21.2
7/14/2016	18	20.9	21.1	N/A	22.4	22.6	22.6	21.1	21.2
7/14/2016	19	21.0	21.2	N/A	21.9	22.1	22.0	21.2	21.2
7/14/2016	20	21.1	21.3	N/A	21.3	21.5	21.5	21.2	21.2
7/14/2016	21	21.1	21.2	N/A	20.7	20.8	20.8	21.2	21.2
7/14/2016	22	21.1	21.2	N/A	20.2	20.3	20.2	21.1	21.2
7/14/2016	23	21.0	21.1	N/A	19.9	20.0	19.9	21.0	21.1
7/14/2016	24	20.9	21.0	N/A	19.8	19.9	19.7	21.0	21.0
7/15/2016	1	20.8	20.9	N/A	19.7	19.8	19.7	20.9	20.8
7/15/2016	2	20.8	20.8	N/A	19.6	19.7	19.6	20.9	20.7
7/15/2016	3	20.7	20.8	N/A	19.6	19.7	19.5	20.8	20.8
7/15/2016	4	20.7	20.7	N/A	19.5	19.6	19.5	20.8	20.7
7/15/2016	5	20.6	20.7	N/A	19.5	19.6	19.4	20.7	20.7
7/15/2016	6	20.6	20.7	N/A	19.5	19.6	19.4	20.7	20.6
7/15/2016	7	20.6	20.7	N/A	19.4	19.6	19.4	20.7	20.7
7/15/2016	8	20.5	20.7	N/A	19.5	19.6	19.5	20.7	20.7
7/15/2016	9	20.5	20.6	N/A	19.7	19.8	19.7	20.7	20.6
7/15/2016	10	20.4	20.6	N/A	20.2	20.2	20.2	20.6	20.6
7/15/2016	11	20.4	20.6	N/A	20.7	20.8	20.7	20.6	20.7
7/15/2016	12	20.4	20.7	N/A	21.3	21.4	21.3	20.7	20.7
7/15/2016	13	20.5	20.7	N/A	21.9	22.0	21.9	20.7	20.7
7/15/2016	14	20.5	20.8	N/A	22.3	22.4	22.4	20.8	20.8
7/15/2016	15	20.6	21.0	N/A	22.6	22.7	22.7	20.8	20.9
7/15/2016	16	20.8	21.1	N/A	22.6	22.8	22.8	20.9	21.0
7/15/2016	17	20.9	21.2	N/A	22.4	22.6	22.7	21.0	21.1
7/15/2016	18	20.9	21.1	N/A	22.2	22.3	22.4	21.0	21.1
7/15/2016	19	20.9	21.1	N/A	21.8	21.9	21.9	21.1	21.1
7/15/2016	20	20.9	21.0	N/A	21.3	21.5	21.4	21.1	21.1
7/15/2016	21	20.8	20.9	N/A	20.8	21.0	20.9	21.0	21.0
7/15/2016	22	20.8	20.9	N/A	20.3	20.5	20.4	21.0	21.0
7/15/2016	23	20.8	20.9	N/A	20.0	20.2	20.1	20.9	20.9
7/15/2016	24	20.8	20.8	N/A	19.9	20.0	19.9	20.9	20.8
7/16/2016	1	20.7	20.8	N/A	19.8	19.9	19.8	20.8	20.8
7/16/2016	2	20.7	20.8	N/A	19.8	19.9	19.7	20.7	20.7
7/16/2016	3	20.7	20.7	N/A	19.7	19.8	19.7	20.7	20.7
7/16/2016	4	20.6	20.7	N/A	19.7	19.8	19.6	20.7	20.7
7/16/2016	5	20.6	20.7	N/A	19.7	19.8	19.6	20.7	20.6
7/16/2016	6	20.6	20.7	N/A	19.7	19.8	19.6	20.7	20.5
7/16/2016	7	20.6	20.7	N/A	19.7	19.8	19.7	20.7	20.7
7/16/2016	8	20.6	20.7	N/A	19.8	19.9	19.8	20.6	20.7
7/16/2016	9	20.5	20.6	N/A	19.9	20.0	19.9	20.6	20.7
7/16/2016	10	20.5	20.6	N/A	20.0	20.2	20.0	20.6	20.7
7/16/2016	11	20.5	20.7	N/A	20.2	20.3	20.3	20.6	20.7

7/16/2016	12	20.5	20.8	N/A	20.8	20.8	20.9	20.7	20.7
7/16/2016	13	20.6	21.0	N/A	21.3	21.4	21.4	20.7	20.8
7/16/2016	14	20.7	21.2	N/A	21.9	22.0	22.0	20.8	20.9
7/16/2016	15	20.8	21.2	N/A	22.5	22.6	22.7	20.9	21.0
7/16/2016	16	20.9	21.4	N/A	22.9	23.0	23.0	21.0	21.1
7/16/2016	17	20.9	21.2	N/A	23.0	23.2	23.2	21.0	21.1
7/16/2016	18	21.0	21.2	N/A	22.9	23.2	23.1	21.1	21.2
7/16/2016	19	21.0	21.2	N/A	22.6	22.8	22.9	21.2	21.2
7/16/2016	20	21.0	21.2	N/A	22.2	22.4	22.4	21.2	21.2
7/16/2016	21	21.0	21.1	N/A	21.8	22.0	22.0	21.1	21.2
7/16/2016	22	21.0	21.1	N/A	21.4	21.6	21.6	21.1	21.1
7/16/2016	23	20.9	21.0	N/A	21.0	21.2	21.2	21.1	20.9
7/16/2016	24	20.9	21.0	N/A	20.6	20.8	20.8	21.0	20.9
7/17/2016	1	20.9	21.0	N/A	20.3	20.4	20.4	21.0	20.9
7/17/2016	2	20.9	20.9	N/A	20.0	20.2	20.1	20.9	20.9
7/17/2016	3	20.9	20.9	N/A	19.9	20.0	19.9	20.9	20.9
7/17/2016	4	20.8	20.9	N/A	19.8	19.9	19.8	20.8	20.9
7/17/2016	5	20.8	20.9	N/A	19.7	19.8	19.7	20.8	20.9
7/17/2016	6	20.8	20.9	N/A	19.7	19.8	19.7	20.7	20.8
7/17/2016	7	20.4	20.4	N/A	19.7	19.8	19.6	20.7	20.8
7/17/2016	8	20.1	20.2	N/A	19.6	19.8	19.7	20.6	20.7
7/17/2016	9	20.0	20.1	N/A	19.7	19.8	19.7	20.5	20.5
7/17/2016	10	19.8	20.0	N/A	19.7	19.8	19.8	20.5	20.3
7/17/2016	11	19.7	19.9	N/A	19.8	20.0	19.9	20.4	20.2
7/17/2016	12	19.7	20.0	N/A	20.3	20.3	20.4	20.4	20.1
7/17/2016	13	19.6	19.9	N/A	20.5	20.6	20.7	20.3	20.0
7/17/2016	14	19.6	20.0	N/A	21.0	21.0	21.1	20.3	20.0
7/17/2016	15	19.6	20.0	N/A	21.7	21.7	21.8	20.2	20.1
7/17/2016	16	19.6	20.0	N/A	22.2	22.3	22.3	20.2	20.2
7/17/2016	17	19.6	19.8	N/A	22.4	22.6	22.6	20.2	20.3
7/17/2016	18	19.6	19.7	N/A	22.6	22.8	22.6	20.2	20.4
7/17/2016	19	19.6	19.7	N/A	22.6	22.8	22.6	20.2	20.3
7/17/2016	20	19.6	19.7	N/A	22.2	22.4	22.4	20.2	20.3
7/17/2016	21	19.7	19.8	N/A	21.7	21.9	22.0	20.2	20.3
7/17/2016	22	19.9	20.0	N/A	21.1	21.3	21.4	20.3	20.3
7/17/2016	23	20.1	20.2	N/A	20.5	20.7	20.8	20.3	20.3
7/17/2016	24	20.2	20.2	N/A	20.0	20.2	20.2	20.3	20.4
7/18/2016	1	20.1	20.2	N/A	19.6	19.8	19.7	20.3	20.4
7/18/2016	2	20.2	20.2	N/A	19.2	19.4	19.4	20.3	20.4
7/18/2016	3	20.1	20.1	N/A	19.0	19.2	19.1	20.3	20.4
7/18/2016	4	20.1	20.0	N/A	18.9	19.0	18.9	20.2	20.3
7/18/2016	5	20.0	20.0	N/A	18.7	18.9	18.7	20.2	20.3
7/18/2016	6	20.1	20.1	N/A	18.6	18.8	18.6	20.2	20.3
7/18/2016	7	20.1	20.2	N/A	18.6	18.7	18.6	20.2	20.2
7/18/2016	8	20.1	20.2	N/A	18.6	18.7	18.6	20.2	20.2
7/18/2016	9	20.1	20.2	N/A	18.7	18.8	18.7	20.2	20.2
7/18/2016	10	20.1	20.2	N/A	18.8	18.9	18.8	20.2	20.2
7/18/2016	11	20.1	20.3	N/A	19.0	19.1	19.0	20.2	20.3
7/18/2016	12	20.1	20.2	N/A	19.2	19.2	19.1	20.2	20.3
7/18/2016	13	20.1	20.2	N/A	19.4	19.5	19.2	20.2	20.3
7/18/2016	14	20.1	20.2	N/A	19.6	19.7	19.4	20.2	20.3
7/18/2016	15	20.1	20.2	N/A	19.7	19.8	19.7	20.2	20.2
7/18/2016	16	20.1	20.2	N/A	19.7	19.8	19.8	20.2	20.2
7/18/2016	17	20.1	20.4	N/A	19.7	19.9	19.9	20.1	20.2

7/18/2016	18	20.1	20.2	N/A	19.7	19.9	20.0	20.1	20.2
7/18/2016	19	20.1	20.2	N/A	19.7	19.8	19.8	20.1	20.2
7/18/2016	20	20.0	20.1	N/A	19.8	19.9	19.7	20.1	20.1
7/18/2016	21	20.0	20.0	N/A	19.9	20.1	19.8	20.1	20.1
7/18/2016	22	20.0	20.0	N/A	19.9	20.1	19.9	20.1	20.1
7/18/2016	23	20.0	20.0	N/A	19.7	19.9	19.8	20.1	20.1
7/18/2016	24	20.0	20.0	N/A	19.4	19.6	19.5	20.1	20.1
7/19/2016	1	19.9	20.0	N/A	19.1	19.3	19.2	20.0	20.1
7/19/2016	2	19.9	19.9	N/A	18.9	19.0	18.9	20.0	20.1
7/19/2016	3	19.9	19.9	N/A	18.7	18.8	18.7	20.0	20.1
7/19/2016	4	19.9	19.9	N/A	18.5	18.7	18.5	20.0	20.1
7/19/2016	5	19.9	19.8	N/A	18.4	18.5	18.4	20.0	20.0
7/19/2016	6	19.8	19.8	N/A	18.3	18.4	18.3	20.0	20.0
7/19/2016	7	19.8	19.8	N/A	18.2	18.4	18.2	20.0	20.0
7/19/2016	8	19.8	19.9	N/A	18.3	18.4	18.2	20.0	20.0
7/19/2016	9	19.8	20.0	N/A	18.5	18.5	18.6	20.0	20.0
7/19/2016	10	19.8	20.1	N/A	18.7	18.7	18.9	20.0	20.0
7/19/2016	11	19.9	20.2	N/A	19.1	19.1	19.2	20.0	20.1
7/19/2016	12	20.0	20.3	N/A	19.8	19.8	19.8	20.1	20.2
7/19/2016	13	20.0	20.4	N/A	20.7	20.7	20.8	20.1	20.3
7/19/2016	14	20.1	20.5	N/A	21.7	21.6	21.7	20.2	20.3
7/19/2016	15	20.2	20.7	N/A	22.4	22.4	22.4	20.2	20.4
7/19/2016	16	20.3	20.5	N/A	22.8	22.9	22.7	20.3	20.5
7/19/2016	17	20.3	20.4	N/A	22.9	23.1	22.8	20.3	20.5
7/19/2016	18	20.4	20.5	N/A	22.8	23.0	22.9	20.4	20.5
7/19/2016	19	20.4	20.5	N/A	22.5	22.7	22.8	20.4	20.5
7/19/2016	20	20.4	20.5	N/A	21.8	22.1	22.1	20.4	20.5
7/19/2016	21	20.4	20.4	N/A	21.3	21.5	21.5	20.4	20.5
7/19/2016	22	20.4	20.4	N/A	20.8	21.0	21.0	20.4	20.5
7/19/2016	23	20.3	20.3	N/A	20.3	20.5	20.5	20.3	20.4
7/19/2016	24	20.3	20.3	N/A	19.9	20.1	20.0	20.3	20.4
7/20/2016	1	20.2	20.2	N/A	19.6	19.7	19.7	20.3	20.4
7/20/2016	2	20.2	20.2	N/A	19.2	19.4	19.3	20.3	20.3
7/20/2016	3	20.2	20.2	N/A	19.0	19.2	19.1	20.2	20.3
7/20/2016	4	20.1	20.1	N/A	18.9	19.0	18.9	20.2	20.3
7/20/2016	5	20.1	20.1	N/A	18.7	18.9	18.7	20.2	20.2
7/20/2016	6	20.1	20.1	N/A	18.6	18.7	18.6	20.2	20.2
7/20/2016	7	20.1	20.1	N/A	18.5	18.7	18.5	20.2	20.2
7/20/2016	8	20.0	20.2	N/A	18.7	18.7	18.6	20.2	20.2
7/20/2016	9	20.0	20.2	N/A	18.8	18.8	18.8	20.2	20.2
7/20/2016	10	20.0	20.3	N/A	19.0	19.0	19.1	20.2	20.2
7/20/2016	11	20.1	20.4	N/A	19.4	19.4	19.5	20.2	20.3
7/20/2016	12	20.1	20.5	N/A	20.1	20.0	20.1	20.3	20.4
7/20/2016	13	20.3	20.7	N/A	21.0	20.9	21.0	20.3	20.4
7/20/2016	14	20.3	20.7	N/A	21.8	21.8	21.8	20.3	20.5
7/20/2016	15	20.2	20.6	N/A	22.5	22.6	22.6	20.4	20.5
7/20/2016	16	20.2	20.6	N/A	23.1	23.2	23.2	20.4	20.6
7/20/2016	17	20.2	20.4	N/A	23.3	23.5	23.5	20.4	20.6
7/20/2016	18	20.0	20.2	N/A	23.4	23.6	23.6	20.5	20.5
7/20/2016	19	20.0	20.2	N/A	23.3	23.4	23.4	20.5	20.5
7/20/2016	20	20.0	20.2	N/A	22.9	23.1	23.1	20.5	20.6
7/20/2016	21	19.9	19.9	N/A	22.6	22.8	22.7	20.5	20.6
7/20/2016	22	20.0	20.0	N/A	22.0	22.2	22.3	20.5	20.6
7/20/2016	23	19.9	19.9	N/A	21.3	21.6	21.7	20.5	20.6

7/20/2016	24	20.0	19.9	N/A	20.7	20.9	21.0	20.5	20.6
7/21/2016	1	19.9	19.8	N/A	20.2	20.3	20.4	20.5	20.6
7/21/2016	2	20.0	20.0	N/A	19.7	19.9	19.9	20.4	20.6
7/21/2016	3	19.8	19.9	N/A	19.4	19.5	19.5	20.4	20.5
7/21/2016	4	19.9	19.9	N/A	19.1	19.3	19.2	20.4	20.4
7/21/2016	5	20.0	19.9	N/A	18.9	19.1	18.9	20.4	20.4
7/21/2016	6	20.0	20.0	N/A	18.7	18.9	18.7	20.4	20.4
7/21/2016	7	19.9	20.0	N/A	18.6	18.7	18.6	20.4	20.4
7/21/2016	8	20.1	20.2	N/A	18.7	18.7	18.7	20.4	20.3
7/21/2016	9	20.1	20.2	N/A	18.8	18.8	18.9	20.5	20.4
7/21/2016	10	20.1	20.2	N/A	19.0	19.0	19.1	20.5	20.5
7/21/2016	11	20.1	20.3	N/A	19.3	19.3	19.5	20.6	20.5
7/21/2016	12	19.8	20.1	N/A	20.1	20.0	20.1	20.6	20.5
7/21/2016	13	19.8	20.2	N/A	21.0	21.0	21.0	20.6	20.5
7/21/2016	14	19.8	20.2	N/A	21.9	22.2	21.9	20.7	20.6
7/21/2016	15	20.0	20.3	N/A	22.8	22.7	22.8	20.7	20.7
7/21/2016	16	20.0	20.2	N/A	23.5	23.4	23.5	20.8	20.9
7/21/2016	17	20.2	20.4	N/A	23.8	23.8	23.7	20.9	21.0
7/21/2016	18	20.4	20.5	N/A	24.0	23.9	24.0	21.0	21.1
7/21/2016	19	20.8	20.7	N/A	23.5	23.5	23.6	21.1	21.2
7/21/2016	20	20.7	20.7	N/A	22.9	22.9	23.1	21.2	21.2
7/21/2016	21	20.9	20.9	N/A	22.2	22.3	22.4	21.3	21.3
7/21/2016	22	21.1	21.0	N/A	21.5	21.6	21.7	21.3	21.3
7/21/2016	23	21.0	21.0	N/A	20.8	20.9	21.1	21.3	21.2
7/21/2016	24	21.0	20.9	N/A	20.3	20.3	20.5	21.3	21.1
7/22/2016	1	21.0	21.0	N/A	20.0	20.0	20.1	21.2	21.0
7/22/2016	2	20.9	20.9	N/A	19.7	19.7	19.8	21.2	20.9
7/22/2016	3	20.9	20.9	N/A	19.7	19.6	19.6	21.1	20.9
7/22/2016	4	20.9	20.9	N/A	19.6	19.6	19.5	21.1	20.9
7/22/2016	5	20.9	20.9	N/A	19.6	19.5	19.5	21.1	20.9
7/22/2016	6	20.9	20.9	N/A	19.6	19.5	19.5	21.0	20.9
7/22/2016	7	20.9	20.9	N/A	19.6	19.6	19.5	21.0	21.0
7/22/2016	8	20.9	20.9	N/A	19.7	19.6	19.6	21.1	21.0
7/22/2016	9	20.9	21.0	N/A	19.9	19.8	19.9	21.1	21.0
7/22/2016	10	20.9	21.1	N/A	20.0	20.0	20.2	21.1	21.1
7/22/2016	11	21.0	21.2	N/A	20.3	20.3	20.5	21.2	21.2
7/22/2016	12	21.1	21.2	N/A	20.7	20.6	20.9	21.2	21.2
7/22/2016	13	21.1	21.1	21.5	21.1	20.9	20.7	21.2	21.2
7/22/2016	14	21.1	21.3	22.0	21.8	21.7	21.9	21.3	21.3
7/22/2016	15	21.1	21.3	22.1	21.9	21.8	22.1	21.3	21.3
7/22/2016	16	21.1	21.3	22.4	22.0	22.0	22.1	21.3	21.3
7/22/2016	17	21.2	21.3	22.7	22.1	22.2	22.3	21.3	21.4
7/22/2016	18	21.2	21.3	22.6	22.2	22.2	22.2	21.3	21.4
7/22/2016	19	21.3	21.3	22.1	22.1	22.0	22.0	21.3	21.4
7/22/2016	20	21.3	21.3	21.3	22.0	21.9	21.8	21.3	21.4
7/22/2016	21	21.3	21.2	20.7	21.8	21.8	21.7	21.3	21.4
7/22/2016	22	21.2	21.1	20.2	21.5	21.5	21.4	21.3	21.3
7/22/2016	23	21.2	21.1	19.8	21.0	21.0	21.1	21.3	21.2
7/22/2016	24	21.1	21.0	19.6	20.5	20.5	20.6	21.3	21.2
7/23/2016	1	21.1	21.0	19.5	20.1	20.1	20.2	21.3	21.1
7/23/2016	2	21.1	20.9	19.4	19.7	19.7	19.7	21.2	21.1
7/23/2016	3	21.0	20.9	19.4	19.4	19.4	19.4	21.2	21.1
7/23/2016	4	21.0	20.9	19.3	19.3	19.2	19.2	21.2	21.1
7/23/2016	5	21.0	20.8	19.2	19.2	19.1	19.1	21.1	21.0

7/23/2016	6	21.0	20.8	19.2	19.1	19.0	19.0	21.1	21.0
7/23/2016	7	20.9	20.8	19.1	19.0	19.0	18.9	21.1	21.0
7/23/2016	8	20.9	20.9	19.5	19.1	19.0	19.0	21.2	21.0
7/23/2016	9	20.9	21.0	20.0	19.2	19.1	19.2	21.2	21.0
7/23/2016	10	20.9	21.0	20.7	19.3	19.3	19.5	21.2	21.1
7/23/2016	11	21.0	21.1	21.6	19.7	19.6	19.9	21.2	21.1
7/23/2016	12	21.0	21.2	22.6	20.4	20.3	20.5	21.3	21.2
7/23/2016	13	21.1	21.3	23.3	21.4	21.2	21.3	21.3	21.2
7/23/2016	14	21.2	21.4	23.9	22.3	22.1	22.2	21.3	21.3
7/23/2016	15	21.3	21.5	24.2	23.0	22.9	23.0	21.4	21.4
7/23/2016	16	21.4	21.6	24.2	23.6	23.5	23.7	21.4	21.5
7/23/2016	17	21.4	21.6	24.1	23.9	23.9	24.1	21.4	21.6
7/23/2016	18	21.4	21.5	23.6	24.1	24.1	24.2	21.4	21.6
7/23/2016	19	21.4	21.5	23.0	23.9	23.9	24.0	21.5	21.6
7/23/2016	20	21.4	21.5	22.2	23.6	23.6	23.7	21.5	21.6
7/23/2016	21	21.3	21.4	21.4	23.2	23.2	23.3	21.5	21.6
7/23/2016	22	21.3	21.2	20.7	22.7	22.7	22.9	21.5	21.5
7/23/2016	23	21.2	21.1	20.2	21.9	22.0	22.2	21.5	21.4
7/23/2016	24	21.2	21.1	19.9	21.3	21.3	21.5	21.5	21.4
7/24/2016	1	21.2	21.1	19.7	20.7	20.7	20.9	21.4	21.3
7/24/2016	2	21.2	21.1	19.5	20.2	20.2	20.4	21.4	21.3
7/24/2016	3	21.2	21.1	19.4	19.9	19.9	20.0	21.3	21.2
7/24/2016	4	21.2	21.1	19.5	19.6	19.6	19.7	21.3	21.2
7/24/2016	5	21.2	21.1	19.5	19.5	19.4	19.4	21.2	21.2
7/24/2016	6	21.1	21.0	19.5	19.3	19.3	19.3	21.2	21.2
7/24/2016	7	21.1	21.1	19.5	19.3	19.2	19.2	21.2	21.1
7/24/2016	8	21.1	21.2	19.9	19.4	19.3	19.3	21.3	21.1
7/24/2016	9	21.1	21.2	20.4	19.6	19.5	19.6	21.4	21.1
7/24/2016	10	21.1	21.2	21.2	19.8	19.7	20.0	21.5	21.3
7/24/2016	11	21.1	21.3	22.0	20.2	20.1	20.4	21.6	21.5
7/24/2016	12	21.1	21.4	23.0	21.0	20.8	21.0	21.7	21.6
7/24/2016	13	21.2	21.5	23.8	21.9	21.7	21.9	21.8	21.8
7/24/2016	14	21.2	21.6	24.4	22.8	22.7	22.8	21.9	22.2
7/24/2016	15	21.3	21.6	24.7	23.6	23.5	23.6	22.0	22.6
7/24/2016	16	21.3	21.6	24.8	24.2	24.2	24.3	22.1	22.6
7/24/2016	17	21.3	21.6	24.6	24.6	24.6	24.8	22.2	22.7
7/24/2016	18	21.3	21.5	24.1	24.7	24.7	24.9	22.3	22.6
7/24/2016	19	21.3	21.5	23.4	24.6	24.6	24.7	22.2	22.7
7/24/2016	20	21.3	21.4	22.6	24.2	24.2	24.3	22.2	22.6
7/24/2016	21	21.3	21.4	22.0	23.8	23.8	24.0	22.2	22.6
7/24/2016	22	21.3	21.4	21.4	23.3	23.4	23.5	22.1	22.4
7/24/2016	23	21.3	21.3	21.0	22.7	22.7	23.0	22.1	22.3
7/24/2016	24	21.3	21.3	20.7	22.1	22.2	22.4	22.1	22.3
7/25/2016	1	21.3	21.3	20.5	21.5	21.6	21.8	22.0	22.4
7/25/2016	2	21.3	21.3	20.4	21.1	21.2	21.3	22.0	22.2
7/25/2016	3	21.3	21.3	20.3	20.8	20.8	20.9	21.9	22.0
7/25/2016	4	21.3	21.2	20.2	20.6	20.6	20.7	21.8	21.8
7/25/2016	5	21.2	21.2	20.2	20.4	20.4	20.4	21.7	21.8
7/25/2016	6	20.8	20.9	20.1	20.3	20.3	20.3	21.6	21.4
7/25/2016	7	20.5	20.6	20.1	20.2	20.2	20.2	21.4	21.1
7/25/2016	8	20.1	20.4	20.4	20.2	20.2	20.2	21.2	21.1
7/25/2016	9	19.8	20.1	20.9	20.3	20.3	20.5	20.9	20.8
7/25/2016	10	19.5	19.8	21.5	20.5	20.5	20.8	20.8	20.6
7/25/2016	11	19.3	19.6	22.2	20.9	20.8	21.1	20.8	20.4

7/25/2016	12	19.3	19.7	22.7	21.6	21.4	21.6	20.7	20.7
7/25/2016	13	19.4	19.9	23.2	22.5	22.3	22.5	20.8	20.7
7/25/2016	14	19.4	19.8	23.7	23.4	23.3	23.4	20.9	20.7
7/25/2016	15	19.4	20.0	24.3	23.8	23.8	24.1	21.1	21.0
7/25/2016	16	19.6	20.2	24.3	24.1	24.2	24.5	21.2	21.2
7/25/2016	17	19.5	19.9	24.0	24.4	24.4	24.7	21.2	21.1
7/25/2016	18	19.5	19.8	23.5	24.6	24.5	24.7	21.2	21.1
7/25/2016	19	19.7	19.9	22.8	24.4	24.4	24.6	21.2	21.2
7/25/2016	20	19.6	19.9	22.0	24.0	24.1	24.2	21.3	21.2
7/25/2016	21	19.6	19.9	21.3	23.6	23.6	23.8	21.3	21.3
7/25/2016	22	19.6	19.9	20.8	23.1	23.2	23.4	21.3	21.2
7/25/2016	23	19.5	19.7	20.4	22.5	22.6	22.9	21.3	21.2
7/25/2016	24	19.4	19.5	20.2	21.8	21.9	22.2	21.3	21.3
7/26/2016	1	19.4	19.5	20.0	21.3	21.4	21.6	21.3	21.3
7/26/2016	2	19.8	20.0	19.8	20.9	21.0	21.2	21.4	21.7
7/26/2016	3	19.9	20.2	19.7	20.6	20.6	20.8	21.6	21.7
7/26/2016	4	19.9	20.1	19.5	20.4	20.3	20.5	21.8	21.7
7/26/2016	5	20.9	21.0	19.4	20.2	20.1	20.2	21.9	21.9
7/26/2016	6	21.5	21.4	19.5	20.0	19.9	20.0	21.9	22.0
7/26/2016	7	21.7	21.7	19.5	19.8	19.8	19.9	22.0	22.1
7/26/2016	8	21.9	21.9	19.9	19.8	19.7	19.9	22.1	22.1
7/26/2016	9	21.8	21.9	20.6	19.9	19.8	20.0	22.2	22.2
7/26/2016	10	21.9	22.1	21.5	20.2	20.1	20.4	22.2	22.2
7/26/2016	11	21.9	22.2	22.6	20.6	20.5	20.8	22.3	22.3
7/26/2016	12	22.0	22.3	23.6	21.4	21.2	21.5	22.4	22.3
7/26/2016	13	22.1	22.4	24.4	22.4	22.2	22.4	22.4	22.4
7/26/2016	14	22.2	22.6	25.1	23.4	23.2	23.4	22.5	22.5
7/26/2016	15	22.3	22.7	25.4	24.2	24.1	24.3	22.6	22.7
7/26/2016	16	22.3	22.6	25.5	24.9	24.8	25.0	22.6	22.8
7/26/2016	17	22.3	22.6	25.2	25.3	25.3	25.4	22.7	22.8
7/26/2016	18	22.3	22.5	24.7	25.5	25.5	25.6	22.8	22.8
7/26/2016	19	22.4	22.6	24.0	25.3	25.3	25.4	22.8	22.8
7/26/2016	20	22.3	22.4	23.2	24.8	24.8	24.9	22.9	22.8
7/26/2016	21	22.4	22.4	22.5	24.3	24.3	24.5	22.8	22.8
7/26/2016	22	22.4	22.4	21.9	23.8	23.8	24.0	22.6	22.7
7/26/2016	23	22.3	22.3	21.5	23.2	23.2	23.4	22.5	22.6
7/26/2016	24	22.1	22.2	21.3	22.6	22.7	22.8	22.3	22.4
7/27/2016	1	21.9	22.0	21.2	22.1	22.2	22.3	22.2	22.1
7/27/2016	2	21.5	21.7	21.1	21.7	21.7	21.9	22.0	21.8
7/27/2016	3	21.2	21.3	21.0	21.4	21.4	21.5	21.9	21.6
7/27/2016	4	21.0	21.0	20.9	21.3	21.2	21.3	21.7	21.4
7/27/2016	5	20.9	20.9	20.7	21.1	21.1	21.1	21.6	21.3
7/27/2016	6	20.7	20.7	20.6	21.0	21.0	21.0	21.5	21.2
7/27/2016	7	20.6	20.7	20.4	20.9	20.9	20.9	21.3	21.2
7/27/2016	8	20.7	20.7	20.5	20.9	20.8	20.9	21.2	21.1
7/27/2016	9	20.8	21.1	20.9	20.9	20.9	21.1	21.3	21.3
7/27/2016	10	20.7	20.9	21.5	21.0	20.9	21.3	21.5	21.3
7/27/2016	11	20.9	21.2	22.3	21.2	21.2	21.6	21.6	21.4
7/27/2016	12	21.2	21.4	23.3	21.8	21.7	22.0	21.8	21.5
7/27/2016	13	21.2	21.5	24.1	22.6	22.4	22.7	21.9	21.8
7/27/2016	14	21.3	21.6	24.6	23.4	23.3	23.5	22.0	21.9
7/27/2016	15	21.6	21.9	24.9	24.1	24.0	24.2	22.2	22.1
7/27/2016	16	21.6	21.9	25.0	24.7	24.6	24.8	22.2	22.3
7/27/2016	17	21.7	21.9	24.8	25.0	25.0	25.2	22.2	22.3

7/27/2016	18	21.8	21.9	24.4	25.1	25.2	25.3	22.3	22.4
7/27/2016	19	21.8	21.9	23.8	25.0	25.0	25.1	22.3	22.4
7/27/2016	20	21.9	22.1	23.0	24.6	24.6	24.8	22.3	22.5
7/27/2016	21	21.7	21.8	22.4	24.3	24.3	24.4	22.4	22.3
7/27/2016	22	21.7	21.8	21.9	23.8	23.9	24.0	22.4	22.3
7/27/2016	23	21.6	21.7	21.6	23.2	23.3	23.5	22.4	22.3
7/27/2016	24	21.5	21.7	21.3	22.7	22.8	23.0	22.4	22.4
7/28/2016	1	21.5	21.6	21.2	22.2	22.3	22.5	22.4	22.4
7/28/2016	2	21.5	21.6	21.0	21.8	21.9	22.0	22.4	22.4
7/28/2016	3	21.5	21.6	20.9	21.6	21.6	21.7	22.5	22.4
7/28/2016	4	21.7	21.8	20.8	21.3	21.3	21.4	22.5	22.4
7/28/2016	5	21.6	21.6	20.7	21.2	21.2	21.2	22.5	22.4
7/28/2016	6	21.6	21.5	20.7	21.0	21.0	21.1	22.5	22.4
7/28/2016	7	21.7	21.6	20.7	20.9	20.9	20.9	22.5	22.4
7/28/2016	8	21.7	21.8	21.0	20.9	20.9	21.0	22.5	22.4
7/28/2016	9	21.9	22.0	21.5	21.0	21.0	21.2	22.6	22.4
7/28/2016	10	21.9	22.1	22.2	21.2	21.2	21.5	22.6	22.5
7/28/2016	11	22.0	22.0	23.1	21.6	21.5	21.8	22.6	22.6
7/28/2016	12	22.1	22.2	24.0	22.3	22.2	22.4	22.7	22.7
7/28/2016	13	22.1	22.3	24.9	23.2	23.0	23.3	22.8	22.7
7/28/2016	14	22.5	22.5	25.4	24.1	23.9	24.1	22.9	22.9
7/28/2016	15	22.7	22.6	25.7	24.8	24.7	24.9	23.0	23.1
7/28/2016	16	22.9	22.9	25.3	25.4	25.4	25.6	23.1	23.2
7/28/2016	17	22.7	22.9	24.8	25.7	25.7	25.9	23.3	23.4
7/28/2016	18	22.3	22.5	24.6	25.8	25.8	26.0	23.3	23.1
7/28/2016	19	22.1	22.4	24.2	25.4	25.5	25.7	23.3	23.1
7/28/2016	20	22.0	22.3	23.7	24.9	24.9	25.2	23.2	22.9
7/28/2016	21	21.9	22.2	23.1	24.5	24.5	24.7	23.2	23.0
7/28/2016	22	21.8	22.0	22.5	24.2	24.2	24.4	23.1	22.8
7/28/2016	23	21.6	21.8	22.0	23.8	23.8	24.0	23.0	22.8
7/28/2016	24	21.6	21.7	21.7	23.3	23.3	23.5	23.0	22.8
7/29/2016	1	21.6	21.7	21.5	22.8	22.8	23.0	22.9	22.7
7/29/2016	2	21.5	21.6	21.3	22.3	22.4	22.6	22.9	22.8
7/29/2016	3	21.4	21.5	21.2	22.0	22.0	22.2	22.9	22.6
7/29/2016	4	21.3	21.5	21.0	21.7	21.8	21.8	22.9	22.7
7/29/2016	5	21.1	21.3	20.9	21.5	21.5	21.6	22.9	22.8
7/29/2016	6	21.2	21.3	20.8	21.3	21.3	21.4	22.8	22.6
7/29/2016	7	21.1	21.3	20.7	21.2	21.2	21.2	22.8	22.8
7/29/2016	8	21.1	21.6	21.0	21.2	21.1	21.2	22.8	22.8
7/29/2016	9	21.1	21.6	21.4	21.2	21.2	21.4	22.8	22.7
7/29/2016	10	21.0	21.4	22.1	21.3	21.3	21.6	22.7	22.5
7/29/2016	11	21.2	21.6	22.9	21.6	21.6	21.9	22.7	22.8
7/29/2016	12	21.1	21.5	23.9	22.3	22.2	22.5	22.9	22.8
7/29/2016	13	21.4	21.8	24.7	23.2	23.0	23.2	23.1	23.1
7/29/2016	14	21.6	22.0	25.2	24.0	23.9	24.1	23.3	23.4
7/29/2016	15	21.8	22.1	25.4	24.7	24.6	24.8	23.4	23.3
7/29/2016	16	21.5	21.9	25.4	25.3	25.2	25.4	23.5	23.1
7/29/2016	17	21.4	21.7	25.2	25.5	25.6	25.7	23.6	23.3
7/29/2016	18	21.5	21.8	24.7	25.6	25.6	25.8	23.6	23.4
7/29/2016	19	21.3	21.7	23.9	25.4	25.4	25.4	23.7	23.4
7/29/2016	20	21.4	21.7	23.0	24.9	24.9	25.0	23.8	23.6
7/29/2016	21	21.7	21.9	22.3	24.5	24.5	24.6	23.9	23.9
7/29/2016	22	22.1	22.4	21.8	23.8	23.9	24.1	24.0	24.0
7/29/2016	23	22.0	22.3	21.4	23.2	23.3	23.5	24.1	24.2



7/29/2016	24	22.9	23.2	21.2	22.6	22.7	22.9	24.2	24.3
7/30/2016	1	23.1	23.2	21.1	22.1	22.2	22.3	24.3	24.3
7/30/2016	2	23.8	23.7	21.1	21.7	21.7	21.8	24.3	24.2
7/30/2016	3	24.1	24.0	21.1	21.4	21.4	21.4	24.3	24.3
7/30/2016	4	24.1	24.0	21.3	21.2	21.1	21.2	24.3	24.3
7/30/2016	5	24.1	24.0	21.3	21.0	21.0	21.0	24.3	24.3
7/30/2016	6	24.1	24.0	21.5	21.0	20.9	20.9	24.3	24.2
7/30/2016	7	24.0	24.0	21.6	21.0	21.0	20.9	24.3	24.1
7/30/2016	8	24.0	24.1	22.0	21.2	21.1	21.1	24.3	24.1
7/30/2016	9	24.1	24.1	22.6	21.5	21.3	21.4	24.3	24.1
7/30/2016	10	23.9	24.1	23.3	21.7	21.6	21.9	24.3	24.1
7/30/2016	11	23.8	24.1	24.1	22.2	22.1	22.3	24.3	24.2
7/30/2016	12	23.7	24.0	25.0	22.9	22.7	22.9	24.3	24.2
7/30/2016	13	23.6	24.0	25.7	23.8	23.6	23.7	24.3	24.2
7/30/2016	14	23.4	23.8	26.2	24.6	24.4	24.5	24.4	24.2
7/30/2016	15	23.1	23.6	26.3	25.2	25.1	25.1	24.4	24.1
7/30/2016	16	22.9	23.4	26.1	25.6	25.6	25.6	24.4	24.1
7/30/2016	17	22.7	23.2	25.7	25.8	25.8	25.8	24.4	24.3
7/30/2016	18	22.6	22.9	25.0	25.7	25.7	25.6	24.5	24.1
7/30/2016	19	22.8	23.1	24.1	25.3	25.2	25.2	24.5	24.4
7/30/2016	20	23.1	23.1	23.1	24.8	24.8	24.7	24.5	24.4
7/30/2016	21	23.9	23.6	22.3	24.3	24.3	24.3	24.4	24.3
7/30/2016	22	24.1	23.8	21.7	23.6	23.7	23.7	24.4	24.4
7/30/2016	23	24.2	24.0	21.3	22.9	23.0	23.1	24.3	24.3
7/30/2016	24	24.1	23.9	21.1	22.3	22.3	22.5	24.2	24.2
7/31/2016	1	24.1	23.9	21.2	21.7	21.7	21.8	24.2	24.1
7/31/2016	2	24.0	23.9	21.2	21.3	21.2	21.3	24.1	24.1
7/31/2016	3	24.0	23.8	21.2	21.0	21.0	21.0	24.1	24.0
7/31/2016	4	23.9	23.7	21.1	20.8	20.8	20.7	24.0	23.9
7/31/2016	5	23.8	23.7	21.1	20.7	20.7	20.6	24.0	23.9
7/31/2016	6	23.8	23.6	21.0	20.7	20.7	20.5	24.0	23.8
7/31/2016	7	23.7	23.6	21.1	20.7	20.6	20.5	24.0	23.8
7/31/2016	8	23.6	23.6	21.5	20.8	20.7	20.7	23.9	23.7
7/31/2016	9	23.6	23.6	21.9	20.9	20.8	20.9	23.9	23.7
7/31/2016	10	23.6	23.6	22.6	21.1	21.0	21.2	23.9	23.7
7/31/2016	11	23.6	23.7	23.4	21.4	21.3	21.6	23.8	23.8
7/31/2016	12	23.7	23.8	24.3	22.1	21.9	22.1	23.9	23.9
7/31/2016	13	23.7	23.9	25.0	22.9	22.7	22.9	24.0	23.9
7/31/2016	14	23.8	24.0	25.5	23.8	23.5	23.7	24.0	24.0
7/31/2016	15	23.9	24.1	25.8	24.4	24.3	24.4	24.1	24.1
7/31/2016	16	24.1	24.2	25.8	24.9	24.9	24.9	24.2	24.1
7/31/2016	17	24.1	24.2	25.5	25.2	25.1	25.2	24.2	24.2
7/31/2016	18	24.2	24.2	25.1	25.3	25.3	25.2	24.3	24.2
7/31/2016	19	24.2	24.2	24.5	25.0	25.0	24.9	24.3	24.2
7/31/2016	20	24.1	24.1	23.7	24.6	24.6	24.6	24.3	24.2
7/31/2016	21	24.1	24.0	23.1	24.3	24.3	24.3	24.2	24.1
7/31/2016	22	24.0	24.0	22.7	23.9	24.0	24.0	24.2	24.1
7/31/2016	23	24.0	23.9	22.3	23.4	23.4	23.5	24.1	24.1
7/31/2016	24	23.9	23.8	22.1	22.9	22.9	23.0	24.1	24.0



2016 Chelan River Hourly Temperature Data - August Report

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/1/2016	1	23.9	23.7	21.9	22.5	22.5	22.6	24.0	23.9
8/1/2016	2	23.8	23.6	21.7	22.1	22.1	22.1	24.0	23.9
8/1/2016	3	23.8	23.6	21.6	21.8	21.8	21.8	23.9	23.8
8/1/2016	4	23.7	23.5	21.5	21.6	21.6	21.5	23.7	23.7
8/1/2016	5	23.6	23.4	21.3	21.4	21.3	21.3	23.5	23.6
8/1/2016	6	22.8	22.8	21.2	21.2	21.2	21.1	23.2	23.2
8/1/2016	7	22.4	22.4	21.2	21.1	21.0	21.0	23.0	22.9
8/1/2016	8	21.9	22.0	21.5	21.1	21.0	21.0	23.0	22.6
8/1/2016	9	21.8	21.9	21.8	21.2	21.1	21.2	22.9	22.5
8/1/2016	10	21.6	21.7	22.3	21.3	21.2	21.4	22.8	22.5
8/1/2016	11	21.7	22.0	22.9	21.6	21.5	21.7	22.7	22.7
8/1/2016	12	21.6	21.9	23.6	22.2	22.0	22.2	22.7	22.7
8/1/2016	13	21.7	22.1	24.3	23.0	22.8	22.9	22.8	22.9
8/1/2016	14	21.8	22.2	24.8	23.7	23.5	23.7	22.8	22.9
8/1/2016	15	21.7	22.1	25.0	24.2	24.1	24.3	22.8	22.9
8/1/2016	16	21.5	21.8	25.0	24.7	24.6	24.8	22.8	22.7
8/1/2016	17	21.5	21.8	24.8	24.9	24.9	25.1	22.8	22.8
8/1/2016	18	21.5	21.7	24.3	25.0	25.0	25.1	22.8	22.8
8/1/2016	19	21.5	21.7	23.6	24.8	24.8	24.8	22.8	22.9
8/1/2016	20	21.4	21.6	22.8	24.4	24.4	24.5	22.7	22.8
8/1/2016	21	21.4	21.4	22.2	24.0	24.0	24.1	22.7	22.6
8/1/2016	22	21.4	21.3	21.6	23.5	23.5	23.7	22.6	22.5
8/1/2016	23	21.3	21.3	21.1	22.8	22.9	23.1	22.5	22.5
8/1/2016	24	21.3	21.2	20.8	22.2	22.3	22.5	22.3	22.3
8/2/2016	1	21.3	21.2	20.6	21.7	21.7	21.9	22.2	22.2
8/2/2016	2	21.2	21.1	20.4	21.2	21.3	21.4	22.1	22.1
8/2/2016	3	21.2	21.1	20.3	20.9	20.9	21.0	22.0	22.0
8/2/2016	4	21.2	21.0	20.1	20.6	20.6	20.7	21.9	21.8
8/2/2016	5	21.1	20.9	20.0	20.4	20.4	20.4	21.8	21.8
8/2/2016	6	21.1	20.9	19.8	20.2	20.2	20.2	21.6	21.6
8/2/2016	7	21.0	20.9	19.8	20.0	20.0	20.0	21.5	21.5
8/2/2016	8	21.0	21.0	20.0	20.0	19.9	20.0	21.4	21.4
8/2/2016	9	20.9	21.0	20.5	20.1	20.0	20.1	21.5	21.3
8/2/2016	10	20.9	21.0	21.2	20.2	20.1	20.3	21.5	21.3
8/2/2016	11	20.8	21.0	21.9	20.4	20.3	20.5	21.6	21.3
8/2/2016	12	20.9	21.1	22.7	20.9	20.7	20.9	21.6	21.5
8/2/2016	13	20.9	21.1	23.3	21.6	21.4	21.5	21.7	21.8
8/2/2016	14	21.2	21.3	23.5	22.3	22.1	22.2	21.9	22.0
8/2/2016	15	21.3	21.4	23.6	22.7	22.6	22.7	22.1	22.4
8/2/2016	16	21.7	21.8	23.8	23.1	23.0	23.1	22.4	22.6
8/2/2016	17	22.2	22.1	23.0	23.1	23.0	22.9	22.6	22.7
8/2/2016	18	22.5	22.3	22.6	23.0	22.9	22.9	22.8	22.8
8/2/2016	19	22.7	22.5	21.7	22.8	22.7	22.6	22.7	22.8
8/2/2016	20	22.8	22.5	21.1	22.4	22.3	22.3	22.7	22.8
8/2/2016	21	22.7	22.5	20.6	21.9	21.9	21.8	22.6	22.7
8/2/2016	22	22.6	22.4	20.3	21.3	21.3	21.3	22.6	22.6
8/2/2016	23	22.6	22.4	20.3	20.7	20.7	20.7	22.5	22.5

8/2/2016	24	22.5	22.3	20.2	20.2	20.2	20.2	22.4	22.4
8/3/2016	1	22.4	22.1	20.1	19.9	19.8	19.8	22.4	22.0
8/3/2016	2	22.3	22.1	20.1	19.8	19.7	19.6	22.3	22.2
8/3/2016	3	22.3	22.0	20.0	19.7	19.7	19.6	22.3	22.1
8/3/2016	4	22.2	22.0	20.0	19.7	19.6	19.5	22.3	22.0
8/3/2016	5	22.2	22.0	20.0	19.7	19.6	19.5	22.3	22.0
8/3/2016	6	22.2	21.9	20.0	19.6	19.6	19.5	22.3	22.3
8/3/2016	7	22.1	22.0	19.9	19.6	19.5	19.4	22.3	22.2
8/3/2016	8	22.1	22.0	20.3	19.7	19.6	19.5	22.3	22.0
8/3/2016	9	22.0	21.9	20.7	19.8	19.7	19.8	22.3	21.9
8/3/2016	10	21.9	21.9	21.3	20.0	19.9	20.2	22.2	22.0
8/3/2016	11	21.9	22.0	22.1	20.4	20.3	20.5	22.2	22.0
8/3/2016	12	21.9	22.1	23.0	21.0	20.8	21.1	22.2	22.1
8/3/2016	13	22.0	22.1	23.9	21.9	21.7	21.8	22.2	22.1
8/3/2016	14	22.1	22.2	24.5	22.7	22.5	22.7	22.2	22.2
8/3/2016	15	22.2	22.4	24.8	23.5	22.8	23.2	22.3	22.3
8/3/2016	16	22.4	22.5	24.8	24.1	23.0	23.6	22.4	22.4
8/3/2016	17	22.5	22.6	24.7	24.5	23.2	23.8	22.4	22.5
8/3/2016	18	22.5	22.6	24.3	24.7	23.3	23.9	22.5	22.6
8/3/2016	19	22.6	22.6	23.6	24.5	23.2	23.8	22.5	22.6
8/3/2016	20	22.5	22.5	22.8	24.1	23.1	23.5	22.5	22.6
8/3/2016	21	22.5	22.4	22.1	23.7	23.0	23.3	22.6	22.6
8/3/2016	22	22.5	22.4	21.5	23.1	22.8	22.9	22.6	22.6
8/3/2016	23	22.5	22.4	21.1	22.6	22.5	22.7	22.7	22.4
8/3/2016	24	22.5	22.4	21.0	22.0	22.3	22.3	22.6	22.4
8/4/2016	1	22.5	22.3	20.9	21.5	22.1	22.0	22.6	22.4
8/4/2016	2	22.5	22.3	20.8	21.1	21.9	21.7	22.6	22.3
8/4/2016	3	22.4	22.3	20.8	20.9	21.8	21.5	22.6	22.3
8/4/2016	4	22.4	22.3	20.7	20.7	21.7	21.3	22.5	22.2
8/4/2016	5	22.4	22.2	20.6	20.6	21.6	21.2	22.5	22.1
8/4/2016	6	22.4	22.2	20.6	20.5	21.6	21.2	22.5	22.3
8/4/2016	7	22.4	22.2	20.5	20.5	21.6	21.2	22.5	22.4
8/4/2016	8	22.3	22.3	20.8	20.5	21.7	21.2	22.5	22.4
8/4/2016	9	22.3	22.3	21.2	20.6	21.6	21.4	22.5	22.4
8/4/2016	10	22.3	22.3	21.9	20.7	21.7	21.6	22.5	22.3
8/4/2016	11	22.2	22.4	22.7	21.0	22.0	21.8	22.5	22.3
8/4/2016	12	22.2	22.4	23.6	21.7	22.1	22.2	22.5	22.3
8/4/2016	13	22.3	22.4	24.4	22.5	22.5	22.7	22.5	22.3
8/4/2016	14	22.2	22.4	24.9	23.4	22.8	23.2	22.5	22.4
8/4/2016	15	22.2	22.4	25.2	24.0	23.1	23.6	22.5	22.5
8/4/2016	16	22.2	22.4	25.2	24.6	23.4	24.0	22.5	22.5
8/4/2016	17	22.2	22.4	24.9	24.9	23.5	24.1	22.5	22.6
8/4/2016	18	22.2	22.3	24.4	25.0	23.5	24.1	22.5	22.6
8/4/2016	19	22.3	22.3	23.7	24.8	23.4	24.0	22.6	22.6
8/4/2016	20	22.4	22.4	22.9	24.4	23.2	23.7	22.6	22.6
8/4/2016	21	22.4	22.4	22.3	24.0	23.1	23.4	22.6	22.6
8/4/2016	22	22.4	22.3	21.7	23.5	22.9	23.2	22.6	22.5
8/4/2016	23	22.3	22.2	21.4	22.8	22.6	22.8	22.6	22.3
8/4/2016	24	22.2	22.1	21.2	22.3	22.4	22.4	22.5	22.4
8/5/2016	1	22.2	22.1	21.1	21.8	22.2	22.1	22.4	22.3
8/5/2016	2	22.1	22.0	21.0	21.4	22.0	21.8	22.4	22.3
8/5/2016	3	22.1	21.9	20.8	21.2	21.8	21.6	22.3	22.2
8/5/2016	4	22.0	21.8	20.7	21.0	21.7	21.5	22.3	22.2
8/5/2016	5	22.0	21.8	20.6	20.8	21.7	21.4	22.2	22.2

8/5/2016	6	21.8	21.6	20.4	20.7	21.6	21.3	22.1	22.3
8/5/2016	7	21.2	21.2	20.4	20.5	21.3	21.1	22.0	21.7
8/5/2016	8	20.9	21.0	20.6	20.5	21.2	21.0	21.7	21.4
8/5/2016	9	20.6	20.8	21.1	20.6	21.0	21.0	21.5	21.1
8/5/2016	10	20.4	20.6	21.6	20.7	21.0	21.1	21.2	21.0
8/5/2016	11	20.3	20.5	22.3	21.0	21.0	21.2	21.0	20.9
8/5/2016	12	20.3	20.5	23.1	21.6	21.3	21.6	21.0	20.9
8/5/2016	13	20.3	20.6	23.8	22.4	21.6	22.0	21.2	21.1
8/5/2016	14	20.3	20.6	24.3	23.2	22.0	22.6	21.3	21.1
8/5/2016	15	20.5	20.7	24.4	23.8	22.2	22.9	21.5	21.3
8/5/2016	16	20.5	20.7	24.4	24.3	22.5	23.3	21.6	21.6
8/5/2016	17	20.8	21.1	24.1	24.5	22.7	23.5	21.7	21.9
8/5/2016	18	20.9	21.0	23.5	24.6	22.7	23.6	21.9	21.9
8/5/2016	19	21.1	21.3	22.8	24.3	22.8	23.4	22.0	22.2
8/5/2016	20	21.4	21.4	22.0	23.9	22.8	23.2	22.1	22.3
8/5/2016	21	22.0	21.8	21.3	23.3	22.7	22.9	22.3	22.3
8/5/2016	22	22.1	21.9	20.9	22.7	22.5	22.5	22.4	22.5
8/5/2016	23	21.9	21.8	20.5	22.0	22.3	22.2	22.5	22.3
8/5/2016	24	22.0	21.8	20.3	21.4	22.0	21.8	22.5	22.2
8/6/2016	1	21.8	21.8	20.1	20.9	21.7	21.5	22.4	22.2
8/6/2016	2	21.8	21.7	20.0	20.5	21.5	21.2	22.4	22.1
8/6/2016	3	22.0	21.8	19.8	20.1	21.3	20.9	22.3	22.0
8/6/2016	4	21.9	21.8	19.7	19.9	21.1	20.7	22.3	22.0
8/6/2016	5	22.0	21.8	19.6	19.7	21.0	20.5	22.3	21.8
8/6/2016	6	22.1	21.8	19.4	19.5	20.8	20.4	22.2	21.8
8/6/2016	7	22.1	21.9	19.4	19.4	20.9	20.4	22.2	22.2
8/6/2016	8	22.1	22.0	19.7	19.3	20.9	20.4	22.2	22.1
8/6/2016	9	22.0	22.0	20.3	19.4	20.9	20.6	22.3	22.0
8/6/2016	10	22.0	22.0	21.1	19.6	21.1	20.7	22.3	22.1
8/6/2016	11	22.0	22.1	22.0	19.9	21.3	21.0	22.4	22.1
8/6/2016	12	22.1	22.2	23.0	20.6	21.6	21.4	22.4	22.2
8/6/2016	13	22.2	22.3	23.8	21.6	22.1	22.0	22.4	22.3
8/6/2016	14	22.3	22.4	24.4	22.5	22.5	22.6	22.5	22.4
8/6/2016	15	22.4	22.5	24.7	23.3	22.9	23.1	22.5	22.5
8/6/2016	16	22.5	22.6	24.8	23.9	23.1	23.5	22.6	22.6
8/6/2016	17	22.6	22.6	24.6	24.2	23.2	23.7	22.6	22.7
8/6/2016	18	22.7	22.7	24.1	24.5	23.3	23.8	22.6	22.7
8/6/2016	19	22.7	22.7	23.5	24.3	23.3	23.7	22.7	22.8
8/6/2016	20	22.7	22.7	22.8	24.0	23.2	23.5	22.7	22.8
8/6/2016	21	22.7	22.6	22.1	23.6	23.0	23.2	22.8	22.8
8/6/2016	22	22.7	22.6	21.7	23.1	22.9	23.0	22.8	22.8
8/6/2016	23	22.7	22.5	21.3	22.5	22.6	22.7	22.8	22.5
8/6/2016	24	22.6	22.5	21.1	22.0	22.4	22.3	22.7	22.5
8/7/2016	1	22.6	22.5	20.9	21.5	22.2	22.0	22.7	22.5
8/7/2016	2	22.6	22.5	20.7	21.2	22.0	21.7	22.6	22.5
8/7/2016	3	22.6	22.4	20.7	20.9	21.8	21.5	22.5	22.4
8/7/2016	4	22.5	22.3	20.6	20.7	21.7	21.3	22.4	22.3
8/7/2016	5	22.5	22.3	20.5	20.5	21.5	21.2	22.4	22.2
8/7/2016	6	22.5	22.3	20.4	20.3	21.4	21.1	22.3	22.2
8/7/2016	7	22.5	22.3	20.4	20.2	21.4	21.0	22.3	22.1
8/7/2016	8	22.5	22.3	20.5	20.2	21.3	20.9	22.3	22.0
8/7/2016	9	22.4	22.4	20.9	20.3	21.4	21.1	22.4	22.1
8/7/2016	10	22.4	22.4	21.6	20.5	21.5	21.2	22.4	22.1
8/7/2016	11	22.4	22.5	22.4	20.8	21.6	21.5	22.5	22.3

8/7/2016	12	22.5	22.6	23.2	21.2	21.8	21.8	22.6	22.4
8/7/2016	13	22.5	22.6	24.1	22.1	22.2	22.3	22.6	22.7
8/7/2016	14	22.5	22.7	24.5	22.8	22.5	22.7	22.7	22.9
8/7/2016	15	22.6	22.7	24.7	23.4	22.9	23.1	22.7	23.0
8/7/2016	16	22.6	22.6	24.4	24.0	23.2	23.5	22.7	22.8
8/7/2016	17	22.6	22.6	23.7	24.2	23.2	23.6	22.7	22.8
8/7/2016	18	22.6	22.5	23.1	24.1	23.1	23.5	22.7	22.8
8/7/2016	19	22.6	22.5	22.5	23.7	22.9	23.2	22.6	22.5
8/7/2016	20	22.6	22.4	21.8	23.1	22.7	22.8	22.5	22.3
8/7/2016	21	22.6	22.4	21.3	22.5	22.4	22.4	22.5	22.3
8/7/2016	22	22.5	22.3	20.9	22.0	22.2	22.1	22.4	22.2
8/7/2016	23	22.5	22.3	20.6	21.4	21.8	21.7	22.3	22.1
8/7/2016	24	22.5	22.3	20.4	21.0	21.6	21.4	22.2	22.1
8/8/2016	1	22.5	22.3	20.4	20.6	21.4	21.2	22.2	22.0
8/8/2016	2	22.5	22.2	20.3	20.3	21.2	20.9	22.1	21.8
8/8/2016	3	22.5	22.2	20.2	20.1	21.1	20.7	22.1	21.8
8/8/2016	4	22.5	22.2	20.2	20.0	21.0	20.6	22.0	21.6
8/8/2016	5	22.5	22.2	20.2	19.8	20.9	20.5	22.0	21.6
8/8/2016	6	22.5	22.2	20.1	19.7	20.8	20.4	21.9	21.9
8/8/2016	7	22.5	22.2	20.1	19.7	21.3	20.6	22.4	22.5
8/8/2016	8	22.4	22.3	20.4	19.8	21.3	20.8	22.5	22.4
8/8/2016	9	22.2	22.2	20.6	19.8	21.2	20.8	22.4	22.2
8/8/2016	10	22.2	22.1	21.2	20.1	21.5	21.0	22.4	22.2
8/8/2016	11	22.1	22.1	21.6	20.2	21.4	21.1	22.4	22.2
8/8/2016	12	22.1	22.1	21.9	20.6	21.6	21.2	22.3	22.2
8/8/2016	13	22.1	22.2	22.3	21.1	21.7	21.5	22.3	22.2
8/8/2016	14	22.1	22.0	22.0	21.3	21.8	21.5	22.2	22.2
8/8/2016	15	22.1	22.1	22.4	21.7	22.0	21.9	22.2	22.2
8/8/2016	16	22.1	22.0	22.1	21.7	21.9	21.7	22.1	22.1
8/8/2016	17	21.8	21.8	21.7	21.7	21.8	21.7	22.0	21.9
8/8/2016	18	21.4	21.5	21.7	21.7	21.7	21.7	22.0	21.7
8/8/2016	19	21.4	21.3	21.4	21.6	21.6	21.6	21.9	21.7
8/8/2016	20	21.5	21.3	21.0	21.4	21.5	21.4	21.8	21.7
8/8/2016	21	21.6	21.4	20.4	21.1	21.4	21.2	21.8	21.7
8/8/2016	22	21.6	21.4	20.0	20.9	21.3	21.1	21.7	21.6
8/8/2016	23	21.6	21.3	19.7	20.6	21.2	21.0	21.6	21.5
8/8/2016	24	21.5	21.3	19.6	20.2	21.0	20.7	21.6	21.4
8/9/2016	1	21.5	21.3	19.6	19.8	20.8	20.5	21.6	21.4
8/9/2016	2	21.5	21.3	19.6	19.5	20.6	20.2	21.5	21.3
8/9/2016	3	21.5	21.2	19.6	19.3	20.5	20.1	21.5	21.2
8/9/2016	4	21.4	21.2	19.5	19.2	20.4	20.0	21.5	21.2
8/9/2016	5	21.4	21.2	19.5	19.2	20.3	19.9	21.4	21.2
8/9/2016	6	21.4	21.1	19.4	19.1	20.3	19.8	21.4	21.1
8/9/2016	7	21.4	21.1	19.4	19.1	20.3	19.9	21.4	21.3
8/9/2016	8	21.3	21.2	19.5	19.1	20.3	19.9	21.4	21.3
8/9/2016	9	21.3	21.2	19.9	19.2	20.4	20.1	21.4	21.3
8/9/2016	10	21.3	21.2	20.6	19.4	20.7	20.3	21.4	21.3
8/9/2016	11	21.2	21.3	21.4	19.6	20.6	20.5	21.4	21.3
8/9/2016	12	21.3	21.3	22.3	20.2	21.1	21.1	21.4	21.4
8/9/2016	13	21.3	21.4	23.2	21.0	21.3	21.4	21.4	21.4
8/9/2016	14	21.4	21.5	23.8	21.9	21.6	21.8	21.5	21.5
8/9/2016	15	21.4	21.5	23.4	22.5	21.8	22.0	21.5	21.5
8/9/2016	16	21.4	21.4	22.9	23.0	21.9	22.4	21.6	21.6
8/9/2016	17	21.5	21.5	22.3	23.1	22.1	22.6	21.6	21.7

8/9/2016	18	21.5	21.5	21.9	23.0	22.1	22.4	21.7	21.7
8/9/2016	19	21.6	21.5	21.5	22.6	22.0	22.3	21.7	21.7
8/9/2016	20	21.7	21.6	21.2	22.1	21.8	22.0	21.7	21.7
8/9/2016	21	21.7	21.6	20.9	21.7	21.7	21.7	21.7	21.8
8/9/2016	22	21.7	21.6	20.7	21.4	21.6	21.5	21.7	21.8
8/9/2016	23	21.7	21.6	20.4	21.0	21.4	21.3	21.7	21.6
8/9/2016	24	21.7	21.6	20.2	20.7	21.3	21.1	21.7	21.6
8/10/2016	1	21.7	21.5	20.2	20.5	21.2	20.9	21.7	21.5
8/10/2016	2	21.6	21.5	20.1	20.2	21.0	20.7	21.7	21.5
8/10/2016	3	21.6	21.5	20.0	20.0	20.9	20.6	21.6	21.5
8/10/2016	4	21.6	21.4	20.0	19.8	20.8	20.4	21.6	21.4
8/10/2016	5	21.6	21.4	19.9	19.7	20.7	20.3	21.6	21.3
8/10/2016	6	21.6	21.4	19.8	19.6	20.7	20.2	21.5	21.2
8/10/2016	7	21.5	21.4	19.8	19.6	20.6	20.2	21.5	21.6
8/10/2016	8	21.5	21.4	20.0	19.7	20.9	20.4	21.5	21.6
8/10/2016	9	21.5	21.5	20.5	19.8	20.9	20.6	21.6	21.6
8/10/2016	10	21.5	21.5	20.9	19.8	21.0	20.7	21.6	21.6
8/10/2016	11	21.5	21.6	21.5	20.1	21.1	20.9	21.7	21.6
8/10/2016	12	21.5	21.6	22.2	20.6	21.2	21.1	21.7	21.6
8/10/2016	13	21.5	21.7	23.1	21.4	21.7	21.7	21.8	21.7
8/10/2016	14	21.6	21.7	23.8	22.1	22.0	22.2	21.8	21.8
8/10/2016	15	21.6	21.7	24.2	22.7	22.2	22.5	21.8	21.8
8/10/2016	16	21.7	21.8	23.8	23.3	22.4	22.9	21.8	21.9
8/10/2016	17	21.7	21.8	23.8	23.7	22.6	23.1	21.8	22.0
8/10/2016	18	21.7	21.8	23.6	23.8	22.6	23.2	21.8	22.0
8/10/2016	19	21.4	21.6	23.1	23.6	22.4	23.0	21.8	21.8
8/10/2016	20	21.0	21.2	22.5	23.4	22.2	22.8	21.8	21.6
8/10/2016	21	20.8	20.9	22.0	23.2	22.1	22.6	21.7	21.6
8/10/2016	22	20.6	20.7	21.5	22.9	21.9	22.4	21.7	21.4
8/10/2016	23	20.5	20.5	21.0	22.4	21.7	22.1	21.6	21.4
8/10/2016	24	20.4	20.4	20.6	22.0	21.6	21.8	21.5	21.4
8/11/2016	1	20.3	20.3	20.3	21.5	21.4	21.5	21.5	21.3
8/11/2016	2	20.3	20.2	20.0	21.1	21.2	21.2	21.4	21.3
8/11/2016	3	20.3	20.2	19.8	20.7	21.0	21.0	21.3	21.3
8/11/2016	4	20.2	20.1	19.7	20.4	20.9	20.7	21.3	21.3
8/11/2016	5	20.2	20.1	19.5	20.1	20.7	20.6	21.2	21.2
8/11/2016	6	20.2	20.1	19.4	19.8	20.7	20.4	21.1	21.2
8/11/2016	7	20.4	20.2	19.3	19.7	20.4	20.3	21.0	21.1
8/11/2016	8	20.6	20.5	19.5	19.6	20.6	20.2	21.1	21.4
8/11/2016	9	20.7	20.7	20.0	19.7	20.7	20.5	21.3	21.4
8/11/2016	10	20.8	20.8	20.6	19.8	20.7	20.6	21.4	21.3
8/11/2016	11	21.0	21.1	21.5	20.0	20.9	20.8	21.5	21.5
8/11/2016	12	21.2	21.3	22.6	20.6	21.2	21.2	21.6	21.6
8/11/2016	13	21.3	21.5	23.4	21.5	21.7	21.7	21.7	21.7
8/11/2016	14	21.4	21.6	24.1	22.3	22.1	22.3	21.8	21.8
8/11/2016	15	21.6	21.8	24.4	23.1	22.4	22.8	21.9	22.0
8/11/2016	16	21.6	21.8	24.5	23.7	22.7	23.2	22.0	22.2
8/11/2016	17	21.6	21.7	24.3	24.1	22.9	23.5	22.0	22.2
8/11/2016	18	21.7	21.7	23.9	24.3	22.9	23.5	22.0	22.2
8/11/2016	19	21.8	21.8	23.3	24.2	22.8	23.4	22.1	22.2
8/11/2016	20	21.9	21.8	22.5	23.9	22.8	23.3	22.1	22.2
8/11/2016	21	21.9	21.8	21.9	23.6	22.6	23.0	22.1	22.2
8/11/2016	22	21.9	21.9	21.4	23.1	22.4	22.8	22.2	22.2
8/11/2016	23	21.9	21.8	21.1	22.5	22.2	22.4	22.2	22.0

8/11/2016	24	21.8	21.8	21.0	22.0	22.0	22.1	22.2	22.0
8/12/2016	1	21.8	21.7	20.8	21.5	21.8	21.8	22.1	21.9
8/12/2016	2	21.8	21.7	20.8	21.2	21.7	21.6	22.1	21.9
8/12/2016	3	21.7	21.6	20.7	21.0	21.5	21.4	22.1	N/A
8/12/2016	4	21.7	21.6	20.6	20.8	21.4	21.2	22.0	N/A
8/12/2016	5	21.7	21.6	20.5	20.6	21.3	21.1	22.0	N/A
8/12/2016	6	21.7	21.5	20.4	20.5	21.2	21.0	22.0	21.5
8/12/2016	7	21.7	21.7	20.4	20.4	21.3	21.0	21.9	21.9
8/12/2016	8	21.8	21.8	20.6	20.4	21.3	21.0	21.9	21.9
8/12/2016	9	21.7	21.7	21.0	20.5	21.3	21.2	21.9	21.9
8/12/2016	10	21.6	21.8	21.7	20.7	21.4	21.4	22.0	21.8
8/12/2016	11	21.6	21.8	22.5	21.0	21.6	21.6	22.0	21.9
8/12/2016	12	21.6	21.8	23.6	21.6	21.9	21.9	22.0	21.9
8/12/2016	13	21.5	21.8	24.3	22.5	22.3	22.4	22.0	22.0
8/12/2016	14	21.5	21.8	24.8	23.4	22.6	23.0	22.0	22.0
8/12/2016	15	21.5	21.7	25.1	24.1	22.9	23.5	22.0	22.2
8/12/2016	16	21.6	21.8	24.8	24.5	23.0	23.8	22.1	22.2
8/12/2016	17	21.6	21.7	24.6	24.9	23.2	24.0	22.1	22.2
8/12/2016	18	21.7	21.8	24.1	24.9	23.1	24.0	22.1	22.2
8/12/2016	19	21.6	21.7	23.4	24.7	23.0	23.8	22.1	22.2
8/12/2016	20	21.5	21.6	22.7	24.3	22.9	23.5	22.1	22.1
8/12/2016	21	21.5	21.6	22.2	23.9	22.8	23.2	22.2	22.1
8/12/2016	22	21.3	21.4	21.7	23.4	22.5	22.9	22.1	22.1
8/12/2016	23	21.2	21.3	21.3	22.8	22.3	22.6	22.1	21.9
8/12/2016	24	21.1	21.2	21.1	22.3	22.1	22.3	22.0	21.9
8/13/2016	1	21.1	21.1	20.9	21.8	21.9	22.0	22.0	21.8
8/13/2016	2	21.0	21.0	20.7	21.5	21.7	21.7	22.0	21.5
8/13/2016	3	21.0	21.0	20.6	21.2	21.6	21.5	21.9	21.5
8/13/2016	4	21.1	21.0	20.4	20.9	21.4	21.3	21.9	21.7
8/13/2016	5	21.0	20.9	20.3	20.7	21.3	21.2	21.8	21.7
8/13/2016	6	21.0	20.8	20.2	20.6	21.2	21.1	21.7	21.6
8/13/2016	7	21.0	20.9	20.1	20.4	21.1	21.0	21.6	21.8
8/13/2016	8	21.0	21.1	20.4	20.4	21.2	21.0	21.7	21.9
8/13/2016	9	21.0	21.1	20.7	20.4	21.2	21.1	21.7	21.8
8/13/2016	10	20.9	21.1	21.3	20.6	21.3	21.2	21.8	21.7
8/13/2016	11	20.9	21.1	22.1	20.8	21.4	21.4	21.8	21.8
8/13/2016	12	20.9	21.1	22.9	21.3	21.6	21.7	21.9	21.8
8/13/2016	13	20.9	21.2	23.7	22.0	22.0	22.1	21.9	21.8
8/13/2016	14	21.0	21.3	24.4	22.9	22.3	22.7	22.0	21.8
8/13/2016	15	21.0	21.3	24.5	23.6	22.7	23.1	22.0	21.9
8/13/2016	16	21.0	21.3	24.5	24.1	22.9	23.4	22.1	22.1
8/13/2016	17	21.0	21.3	24.2	24.5	23.1	23.6	22.2	22.2
8/13/2016	18	21.1	21.2	23.7	24.6	23.1	23.7	22.3	22.3
8/13/2016	19	21.0	21.2	23.0	24.4	23.0	23.6	22.4	22.3
8/13/2016	20	21.1	21.3	22.4	24.1	23.0	23.4	22.5	22.5
8/13/2016	21	21.2	21.3	21.7	23.6	23.0	23.2	22.6	22.7
8/13/2016	22	21.2	21.3	21.3	23.0	22.8	22.9	22.6	22.6
8/13/2016	23	21.4	21.4	21.0	22.4	22.5	22.5	22.6	22.4
8/13/2016	24	21.1	21.1	20.7	21.9	22.3	22.2	22.6	22.3
8/14/2016	1	20.9	20.9	20.6	21.5	22.0	21.9	22.5	21.5
8/14/2016	2	20.9	20.8	20.5	21.1	21.8	21.7	22.5	N/A
8/14/2016	3	20.8	20.8	20.4	20.8	21.7	21.5	22.4	22.1
8/14/2016	4	20.8	20.8	20.2	20.7	21.6	21.3	22.4	22.2
8/14/2016	5	20.7	20.7	20.1	20.5	21.5	21.2	22.4	21.3



8/14/2016	6	20.7	20.6	20.0	20.4	21.4	21.1	22.3	21.9
8/14/2016	7	20.6	20.6	19.9	20.2	21.2	21.0	22.3	21.9
8/14/2016	8	20.6	20.6	20.1	20.2	21.2	20.9	22.3	21.9
8/14/2016	9	20.6	20.6	20.4	20.2	21.2	21.0	22.3	21.9
8/14/2016	10	20.5	20.7	21.1	20.3	21.3	21.2	22.2	22.1
8/14/2016	11	20.5	20.7	21.9	20.6	21.5	21.4	22.3	22.5
8/14/2016	12	20.6	20.8	22.8	21.1	21.7	21.7	22.3	22.7
8/14/2016	13	20.6	20.9	23.6	21.9	22.1	22.2	22.4	23.0
8/14/2016	14	20.6	20.9	24.1	22.8	22.5	22.7	22.5	22.9
8/14/2016	15	20.6	20.9	24.3	23.4	22.8	23.2	22.6	23.3
8/14/2016	16	20.7	20.9	24.3	23.8	23.2	23.5	22.7	23.5
8/14/2016	17	20.7	20.8	24.0	24.1	23.2	23.7	22.8	23.3
8/14/2016	18	20.7	20.7	23.4	24.2	23.2	23.6	22.9	23.1
8/14/2016	19	20.7	20.8	22.6	24.0	23.1	23.4	22.9	22.9
8/14/2016	20	20.7	20.7	21.8	23.6	23.0	23.2	22.9	22.7
8/14/2016	21	20.7	20.7	21.3	23.1	22.8	22.9	22.8	22.7
8/14/2016	22	20.7	20.7	20.9	22.6	22.6	22.7	22.7	22.7
8/14/2016	23	20.7	20.7	20.5	22.0	22.3	22.3	22.7	22.6
8/14/2016	24	20.7	20.7	20.2	21.5	22.1	22.0	22.6	22.5
8/15/2016	1	20.8	20.7	20.0	21.1	21.8	21.7	22.5	22.4
8/15/2016	2	20.8	20.7	19.8	20.7	21.6	21.4	22.5	22.2
8/15/2016	3	20.8	20.7	19.7	20.3	21.4	21.2	22.4	22.2
8/15/2016	4	20.8	20.8	19.7	20.1	21.2	21.0	22.2	22.2
8/15/2016	5	20.9	20.8	19.7	19.9	21.1	20.8	22.1	22.1
8/15/2016	6	21.0	20.8	19.7	19.7	21.0	20.7	21.9	22.0
8/15/2016	7	21.6	21.7	19.7	19.7	21.1	20.4	22.3	23.0
8/15/2016	8	22.7	22.6	20.0	19.7	21.5	21.0	23.0	23.1
8/15/2016	9	22.8	22.7	20.4	19.9	21.6	21.2	23.2	23.0
8/15/2016	10	22.7	22.8	21.1	20.0	21.7	21.4	23.2	23.0
8/15/2016	11	22.8	22.9	22.2	20.3	21.8	21.6	23.3	23.0
8/15/2016	12	22.7	22.9	23.5	20.9	22.2	22.0	23.3	23.0
8/15/2016	13	22.7	22.9	24.5	21.8	22.5	22.4	23.3	23.1
8/15/2016	14	22.8	23.1	25.1	22.8	23.0	23.0	23.4	23.2
8/15/2016	15	22.9	23.1	25.5	23.7	23.5	23.7	23.4	23.3
8/15/2016	16	23.0	23.2	25.5	24.5	23.9	24.1	23.4	23.4
8/15/2016	17	23.1	23.2	25.3	24.9	24.1	24.5	23.5	23.4
8/15/2016	18	23.1	23.2	24.8	25.2	24.1	24.6	23.5	23.5
8/15/2016	19	23.1	23.2	24.2	25.1	24.1	24.4	23.5	23.5
8/15/2016	20	23.2	23.3	23.5	24.8	24.0	24.3	23.5	23.5
8/15/2016	21	23.1	23.1	22.9	24.4	23.9	24.1	23.5	23.6
8/15/2016	22	23.3	23.3	22.5	24.0	23.7	23.9	23.5	23.5
8/15/2016	23	23.1	23.2	22.1	23.4	23.4	23.5	23.5	23.4
8/15/2016	24	23.1	23.1	21.9	22.9	23.3	23.2	23.5	23.4
8/16/2016	1	23.1	23.1	21.7	22.5	23.0	22.9	23.5	23.4
8/16/2016	2	23.1	23.1	21.5	22.1	22.8	22.7	23.5	23.2
8/16/2016	3	23.1	23.1	21.4	21.8	22.7	22.5	23.5	23.3
8/16/2016	4	23.1	23.0	21.4	21.6	22.6	22.3	23.5	23.2
8/16/2016	5	23.1	23.0	21.4	21.4	22.4	22.2	23.4	23.1
8/16/2016	6	23.1	23.0	21.4	21.3	22.3	22.0	23.4	23.1
8/16/2016	7	23.2	23.0	21.3	21.2	22.3	22.0	23.4	23.4
8/16/2016	8	23.3	23.3	21.6	21.3	22.4	22.1	23.4	23.4
8/16/2016	9	23.3	23.3	22.0	21.5	22.5	22.3	23.5	23.4
8/16/2016	10	23.2	23.3	22.6	21.6	22.6	22.5	23.5	23.3
8/16/2016	11	23.2	23.4	23.4	21.9	22.8	22.7	23.6	23.4

8/16/2016	12	23.2	23.4	24.4	22.4	23.0	23.0	23.6	23.4
8/16/2016	13	23.3	23.5	25.3	23.2	23.4	23.5	23.6	23.4
8/16/2016	14	23.3	23.5	25.9	24.1	23.8	24.0	23.7	23.6
8/16/2016	15	23.3	23.6	26.1	24.8	24.1	24.5	23.7	23.7
8/16/2016	16	23.4	23.5	26.1	25.4	24.4	24.8	23.7	23.7
8/16/2016	17	23.4	23.5	25.8	25.7	24.5	25.1	23.7	23.8
8/16/2016	18	23.4	23.5	25.3	25.8	24.5	25.1	23.8	23.8
8/16/2016	19	23.4	23.5	24.6	25.7	24.4	24.9	23.8	23.8
8/16/2016	20	23.4	23.4	23.8	25.3	24.2	24.7	23.8	23.8
8/16/2016	21	23.4	23.4	23.2	24.9	24.1	24.5	23.8	23.8
8/16/2016	22	23.3	23.3	22.6	24.4	24.0	24.2	23.8	23.7
8/16/2016	23	23.1	23.1	22.3	23.8	23.7	23.9	23.8	23.6
8/16/2016	24	23.0	23.0	21.9	23.2	23.4	23.4	23.7	23.6
8/17/2016	1	23.0	22.9	21.6	22.6	23.2	23.0	23.7	23.5
8/17/2016	2	23.0	22.9	21.4	22.2	22.9	22.7	23.6	23.3
8/17/2016	3	23.0	22.9	21.2	21.8	22.8	22.5	23.5	23.0
8/17/2016	4	23.0	22.9	21.1	21.5	22.6	22.3	23.5	23.2
8/17/2016	5	23.0	22.9	21.0	21.3	22.5	22.1	23.4	23.2
8/17/2016	6	23.2	23.0	21.0	21.2	22.4	22.0	23.4	23.2
8/17/2016	7	23.3	23.2	21.0	21.0	22.3	21.9	23.3	23.1
8/17/2016	8	23.3	23.3	21.3	21.0	22.3	21.8	23.3	23.0
8/17/2016	9	23.3	23.3	21.9	21.2	22.3	21.9	23.3	23.1
8/17/2016	10	23.3	23.4	22.6	21.3	22.4	22.1	23.3	23.1
8/17/2016	11	23.4	23.5	23.4	21.7	22.5	22.4	23.3	23.3
8/17/2016	12	23.3	23.5	24.3	22.2	22.8	22.8	23.4	23.4
8/17/2016	13	23.4	23.6	25.2	23.1	23.5	23.4	23.6	23.7
8/17/2016	14	23.4	23.6	25.8	24.0	23.9	24.0	23.7	23.7
8/17/2016	15	23.4	23.6	26.1	24.7	24.2	24.5	23.9	23.7
8/17/2016	16	23.5	23.7	26.1	25.3	24.4	24.8	23.9	23.8
8/17/2016	17	23.6	23.7	25.9	25.6	24.5	25.1	23.9	23.9
8/17/2016	18	23.6	23.7	25.4	25.8	24.6	25.1	23.9	23.9
8/17/2016	19	23.7	23.7	24.7	25.7	24.6	25.0	23.9	23.9
8/17/2016	20	23.7	23.7	24.0	25.5	24.4	24.8	23.9	23.9
8/17/2016	21	23.7	23.7	23.4	25.0	24.2	24.6	23.9	23.7
8/17/2016	22	23.7	23.6	22.9	24.5	24.0	24.3	23.9	23.7
8/17/2016	23	23.7	23.6	22.5	23.9	23.8	23.9	23.9	23.7
8/17/2016	24	23.6	23.6	22.3	23.3	23.5	23.5	23.8	23.6
8/18/2016	1	23.6	23.6	22.1	22.9	23.4	23.2	23.8	23.6
8/18/2016	2	23.6	23.5	22.0	22.5	23.2	23.0	23.7	23.5
8/18/2016	3	23.6	23.5	22.0	22.2	23.0	22.8	23.6	23.5
8/18/2016	4	23.6	23.5	21.8	22.0	22.9	22.6	23.6	23.5
8/18/2016	5	23.6	23.4	21.7	21.9	22.8	22.5	23.5	23.4
8/18/2016	6	23.5	23.4	21.7	21.7	22.7	22.4	23.5	23.3
8/18/2016	7	23.5	23.4	21.6	21.6	22.6	22.2	23.5	23.2
8/18/2016	8	23.5	23.4	21.7	21.6	22.6	22.2	23.5	23.0
8/18/2016	9	23.5	23.4	22.0	21.7	22.7	22.3	23.6	23.1
8/18/2016	10	23.5	23.4	22.5	21.8	22.7	22.4	23.6	23.2
8/18/2016	11	23.3	23.4	23.2	21.9	22.7	22.6	23.6	23.1
8/18/2016	12	23.0	23.2	24.0	22.2	22.8	22.7	23.7	23.3
8/18/2016	13	22.8	23.1	24.6	22.8	23.2	23.1	23.5	23.3
8/18/2016	14	22.6	22.8	25.0	23.5	23.3	23.5	23.3	23.1
8/18/2016	15	22.4	22.7	25.3	24.1	24.0	24.0	23.2	22.9
8/18/2016	16	22.2	22.4	25.2	24.5	24.5	24.5	23.0	22.7
8/18/2016	17	21.9	22.0	24.8	24.7	24.7	24.7	22.9	22.5

8/18/2016	18	21.7	21.8	24.1	24.8	24.7	24.7	22.7	22.3
8/18/2016	19	21.7	21.7	23.2	24.5	24.5	24.4	22.6	22.3
8/18/2016	20	21.6	21.6	22.4	24.0	24.0	24.0	22.4	22.1
8/18/2016	21	21.5	21.5	21.7	23.5	23.6	23.7	22.3	22.0
8/18/2016	22	21.5	21.4	21.2	22.9	23.0	23.2	22.2	22.0
8/18/2016	23	21.5	21.4	20.9	22.4	22.4	22.6	22.1	22.0
8/18/2016	24	21.4	21.3	20.7	21.8	21.8	22.0	22.1	22.0
8/19/2016	1	21.4	21.2	20.5	21.3	21.3	21.4	22.0	22.0
8/19/2016	2	21.3	21.2	20.4	20.9	20.9	21.0	22.0	21.9
8/19/2016	3	21.3	21.2	20.3	20.6	20.6	20.6	22.0	21.8
8/19/2016	4	21.2	21.1	20.2	20.4	20.4	20.4	21.9	21.8
8/19/2016	5	21.2	21.0	20.0	20.3	20.3	20.2	21.9	21.8
8/19/2016	6	21.1	20.9	20.0	20.2	20.2	20.2	21.8	21.8
8/19/2016	7	21.0	20.9	20.0	20.1	20.1	20.1	21.9	21.7
8/19/2016	8	21.0	20.9	20.2	20.1	20.0	20.0	21.9	21.7
8/19/2016	9	20.9	20.9	20.5	20.2	20.1	20.2	21.9	21.7
8/19/2016	10	20.9	20.9	21.1	20.3	20.2	20.4	21.9	21.8
8/19/2016	11	20.9	20.9	21.8	20.6	20.4	20.7	21.9	22.1
8/19/2016	12	20.8	21.0	22.6	21.0	20.8	21.1	21.9	22.0
8/19/2016	13	20.8	21.0	23.3	21.7	21.5	21.7	21.3	21.1
8/19/2016	14	20.8	21.0	23.8	22.4	22.2	22.4	21.1	21.1
8/19/2016	15	20.8	20.9	24.1	23.0	22.9	23.1	21.1	21.0
8/19/2016	16	20.7	20.9	24.1	23.5	23.5	23.6	21.1	21.0
8/19/2016	17	20.8	20.9	23.8	23.8	23.8	23.9	21.1	21.0
8/19/2016	18	20.8	20.9	23.3	24.0	24.0	24.0	21.1	21.0
8/19/2016	19	20.8	20.8	22.6	23.8	23.8	23.9	21.1	21.0
8/19/2016	20	20.8	20.8	21.9	23.5	23.5	23.6	21.0	21.0
8/19/2016	21	20.8	20.7	21.3	23.0	23.1	23.2	21.0	21.0
8/19/2016	22	20.8	20.7	20.8	22.5	22.6	22.7	21.0	21.0
8/19/2016	23	20.8	20.7	20.5	22.0	22.0	22.2	21.0	21.0
8/19/2016	24	20.8	20.6	20.3	21.4	21.5	21.6	20.9	21.0
8/20/2016	1	20.8	20.6	20.1	21.0	21.0	21.1	20.9	21.0
8/20/2016	2	20.8	20.6	19.9	20.6	20.6	20.7	20.9	21.0
8/20/2016	3	20.8	20.5	19.8	20.3	20.2	20.3	20.8	20.9
8/20/2016	4	20.8	20.5	19.6	20.0	20.0	20.0	20.8	20.7
8/20/2016	5	20.8	20.5	19.5	19.8	19.8	19.8	20.8	20.8
8/20/2016	6	20.7	20.5	19.4	19.6	19.6	19.6	20.8	20.8
8/20/2016	7	20.7	20.5	19.3	19.5	19.4	19.4	20.9	20.9
8/20/2016	8	20.7	20.6	19.5	19.5	19.4	19.4	20.9	20.7
8/20/2016	9	20.7	20.6	20.0	19.6	19.4	19.5	21.0	20.7
8/20/2016	10	20.7	20.7	20.6	19.7	19.5	19.7	21.0	20.7
8/20/2016	11	20.7	20.8	21.4	19.9	19.8	20.1	21.1	21.2
8/20/2016	12	20.7	20.8	22.4	20.4	20.2	20.5	21.1	21.1
8/20/2016	13	21.0	21.1	23.2	21.3	21.0	21.2	21.1	21.2
8/20/2016	14	21.1	21.2	23.8	22.1	21.9	22.0	21.3	21.5
8/20/2016	15	21.1	21.3	24.2	22.8	22.7	22.8	21.4	21.7
8/20/2016	16	21.2	21.3	24.2	23.4	23.4	23.5	21.6	21.7
8/20/2016	17	21.3	21.3	23.9	23.8	23.8	23.9	21.8	21.8
8/20/2016	18	21.4	21.4	23.3	24.0	23.9	23.9	21.9	21.9
8/20/2016	19	21.5	21.5	22.6	23.7	23.7	23.7	21.9	21.9
8/20/2016	20	21.5	21.4	21.9	23.4	23.4	23.4	21.9	21.8
8/20/2016	21	21.5	21.4	21.3	22.9	23.0	23.1	21.9	21.7
8/20/2016	22	21.4	21.4	20.9	22.4	22.5	22.6	21.8	21.7
8/20/2016	23	21.4	21.4	20.7	21.8	21.9	22.1	21.8	21.7

8/20/2016	24	21.4	21.3	20.6	21.3	21.3	21.5	21.7	21.6
8/21/2016	1	21.4	21.3	20.5	21.0	21.0	21.1	21.7	21.6
8/21/2016	2	21.4	21.2	20.4	20.7	20.7	20.7	21.7	21.6
8/21/2016	3	21.4	21.2	20.3	20.5	20.5	20.5	21.7	21.5
8/21/2016	4	21.4	21.2	20.2	20.4	20.3	20.3	21.7	21.5
8/21/2016	5	21.4	21.2	20.1	20.2	20.2	20.2	21.7	21.5
8/21/2016	6	21.4	21.2	20.0	20.1	20.0	20.0	21.7	21.4
8/21/2016	7	21.4	21.2	19.9	20.0	19.9	19.9	21.7	21.4
8/21/2016	8	21.5	21.3	20.1	19.9	19.8	19.9	21.7	21.4
8/21/2016	9	21.5	21.4	20.5	20.1	19.9	20.0	21.7	21.4
8/21/2016	10	21.6	21.5	21.1	20.2	20.1	20.3	21.7	21.6
8/21/2016	11	21.6	21.7	21.8	20.5	20.4	20.7	21.8	21.9
8/21/2016	12	21.7	21.8	22.5	20.9	20.7	21.0	21.9	22.1
8/21/2016	13	21.7	21.8	23.3	21.5	21.3	21.5	22.0	22.1
8/21/2016	14	21.8	21.8	23.8	22.1	21.9	22.1	22.1	22.3
8/21/2016	15	21.8	21.8	23.8	22.6	22.5	22.6	22.2	22.2
8/21/2016	16	21.8	21.8	23.4	23.0	22.9	22.9	22.3	22.3
8/21/2016	17	21.8	21.8	22.9	23.4	23.3	23.1	22.3	22.2
8/21/2016	18	21.9	21.8	22.2	23.3	23.2	23.2	22.2	22.1
8/21/2016	19	21.8	21.7	21.6	22.8	22.8	22.8	22.1	21.9
8/21/2016	20	21.8	21.6	20.9	22.3	22.3	22.3	22.0	21.7
8/21/2016	21	21.8	21.6	20.4	21.7	21.7	21.8	22.0	21.7
8/21/2016	22	21.8	21.6	20.2	21.2	21.2	21.2	21.9	21.7
8/21/2016	23	21.8	21.6	19.9	20.7	20.7	20.7	21.8	21.6
8/21/2016	24	21.8	21.6	19.7	20.2	20.2	20.2	21.7	21.5
8/22/2016	1	21.9	21.6	19.5	19.8	19.7	19.7	21.6	21.4
8/22/2016	2	21.8	21.6	19.4	19.5	19.4	19.3	21.5	21.3
8/22/2016	3	21.8	21.5	19.3	19.2	19.1	19.0	21.5	21.3
8/22/2016	4	21.8	21.5	19.3	19.0	18.9	18.8	21.4	21.2
8/22/2016	5	21.7	21.4	19.3	18.9	18.8	18.7	21.3	21.1
8/22/2016	6	21.7	21.4	19.3	18.8	18.7	18.5	21.3	21.1
8/22/2016	7	21.7	21.4	19.3	18.8	18.7	18.6	21.2	21.0
8/22/2016	8	21.6	21.4	19.6	18.9	18.8	18.6	21.1	21.0
8/22/2016	9	21.6	21.5	20.0	19.1	18.9	18.9	21.2	21.0
8/22/2016	10	21.6	21.5	20.6	19.3	19.1	19.2	21.3	21.1
8/22/2016	11	21.6	21.6	21.4	19.6	19.4	19.6	21.4	21.3
8/22/2016	12	21.6	21.6	22.3	20.1	19.8	20.0	21.5	21.4
8/22/2016	13	21.7	21.7	22.9	20.9	20.6	20.7	21.5	21.8
8/22/2016	14	21.7	21.7	23.4	21.7	21.4	21.5	21.6	21.8
8/22/2016	15	21.6	21.7	23.4	22.2	22.1	22.1	21.7	21.7
8/22/2016	16	21.6	21.6	23.2	22.5	22.4	22.3	21.7	21.7
8/22/2016	17	21.7	21.6	23.0	22.7	22.7	22.6	21.7	21.7
8/22/2016	18	21.7	21.6	22.6	22.6	22.5	22.6	21.7	21.7
8/22/2016	19	21.7	21.6	22.0	22.4	22.3	22.3	21.7	21.7
8/22/2016	20	21.7	21.6	21.4	22.2	22.1	22.0	21.7	21.7
8/22/2016	21	21.7	21.5	20.8	21.9	21.9	21.8	21.6	21.5
8/22/2016	22	21.7	21.5	20.4	21.5	21.5	21.5	21.6	21.5
8/22/2016	23	21.6	21.4	20.1	21.1	21.1	21.2	21.6	21.5
8/22/2016	24	21.6	21.4	19.8	20.6	20.6	20.7	21.6	21.5
8/23/2016	1	21.6	21.4	19.8	20.2	20.2	20.2	21.6	21.5
8/23/2016	2	21.5	21.3	19.7	19.8	19.8	19.8	21.6	21.4
8/23/2016	3	21.5	21.3	19.7	19.6	19.5	19.5	21.6	21.2
8/23/2016	4	21.5	21.2	19.6	19.4	19.3	19.3	21.6	21.2
8/23/2016	5	21.5	21.2	19.5	19.2	19.2	19.1	21.6	21.2

8/23/2016	6	21.4	21.1	19.4	19.2	19.1	19.0	21.5	21.2
8/23/2016	7	21.4	21.1	19.4	19.1	19.1	19.0	21.5	21.5
8/23/2016	8	21.4	21.2	19.5	19.2	19.0	19.0	21.5	21.5
8/23/2016	9	21.4	21.2	19.9	19.3	19.1	19.1	21.5	21.4
8/23/2016	10	21.3	21.2	20.6	19.4	19.2	19.4	21.6	21.3
8/23/2016	11	21.3	21.3	21.4	19.7	19.5	19.7	21.6	21.3
8/23/2016	12	21.3	21.3	22.3	20.2	19.9	20.2	21.6	21.4
8/23/2016	13	21.3	21.4	23.0	21.0	20.7	20.8	21.6	21.4
8/23/2016	14	21.4	21.5	23.6	21.8	21.6	21.7	21.6	21.5
8/23/2016	15	21.5	21.5	23.9	22.4	22.3	22.4	21.6	21.6
8/23/2016	16	21.6	21.6	23.9	23.0	23.0	23.0	21.6	21.7
8/23/2016	17	21.7	21.7	23.7	23.4	23.4	23.4	21.6	21.8
8/23/2016	18	21.8	21.7	23.2	23.5	23.5	23.5	21.7	21.8
8/23/2016	19	21.8	21.7	22.5	23.4	23.4	23.4	21.7	21.9
8/23/2016	20	21.8	21.7	21.9	23.1	23.1	23.2	21.7	21.8
8/23/2016	21	21.8	21.6	21.4	22.8	22.8	22.8	21.8	21.8
8/23/2016	22	21.8	21.6	21.0	22.3	22.3	22.4	21.8	21.8
8/23/2016	23	21.7	21.6	20.8	21.7	21.8	21.9	21.8	21.7
8/23/2016	24	21.7	21.5	20.6	21.3	21.3	21.5	21.8	21.7
8/24/2016	1	21.7	21.5	20.4	20.9	20.9	21.0	21.8	21.6
8/24/2016	2	21.7	21.5	20.3	20.6	20.6	20.6	21.8	N/A
8/24/2016	3	21.7	21.4	20.1	20.4	20.3	20.3	21.7	21.4
8/24/2016	4	21.6	21.4	20.0	20.1	20.1	20.1	21.7	N/A
8/24/2016	5	21.6	21.3	19.9	20.0	19.9	19.9	21.7	21.2
8/24/2016	6	21.6	21.3	19.8	19.8	19.7	19.7	21.7	21.2
8/24/2016	7	21.6	21.3	19.7	19.7	19.6	19.6	21.7	21.6
8/24/2016	8	21.5	21.4	19.9	19.7	19.6	19.5	21.7	21.6
8/24/2016	9	21.5	21.4	20.3	19.8	19.6	19.7	21.7	21.6
8/24/2016	10	21.5	21.4	20.9	20.0	19.7	20.0	21.8	21.6
8/24/2016	11	21.5	21.5	21.6	20.2	20.0	20.2	21.8	21.6
8/24/2016	12	21.5	21.6	22.4	20.6	20.4	20.6	21.8	21.7
8/24/2016	13	21.6	21.7	23.2	21.3	21.1	21.2	21.8	21.7
8/24/2016	14	21.6	21.7	23.7	22.0	21.8	21.9	21.8	21.8
8/24/2016	15	21.7	21.7	24.0	22.5	22.5	22.6	21.8	21.8
8/24/2016	16	21.7	21.7	24.0	23.0	23.0	23.1	21.8	21.8
8/24/2016	17	21.8	21.7	23.7	23.4	23.4	23.4	21.7	21.8
8/24/2016	18	21.8	21.7	23.2	23.6	23.5	23.5	21.7	21.8
8/24/2016	19	21.7	21.7	22.4	23.4	23.4	23.4	21.6	21.7
8/24/2016	20	21.7	21.6	21.8	23.1	23.1	23.2	21.6	21.6
8/24/2016	21	21.6	21.4	21.4	22.8	22.7	22.8	21.5	21.5
8/24/2016	22	21.5	21.4	21.0	22.2	22.2	22.4	21.5	21.5
8/24/2016	23	21.4	21.3	20.7	21.7	21.7	21.8	21.5	21.4
8/24/2016	24	21.4	21.2	20.4	21.2	21.2	21.4	21.4	21.4
8/25/2016	1	21.4	21.2	20.2	N/A	N/A	N/A	21.4	N/A
8/25/2016	2	21.3	21.1	20.1	N/A	N/A	N/A	21.4	N/A
8/25/2016	3	21.3	21.1	19.9	N/A	N/A	N/A	21.3	N/A
8/25/2016	4	21.3	21.0	19.8	N/A	N/A	N/A	21.3	N/A
8/25/2016	5	21.3	21.0	19.7	N/A	N/A	N/A	21.3	N/A
8/25/2016	6	21.2	20.9	19.5	N/A	N/A	N/A	21.3	N/A
8/25/2016	7	21.2	20.9	19.5	N/A	N/A	N/A	21.2	N/A
8/25/2016	8	21.2	21.0	19.6	N/A	N/A	N/A	21.3	N/A
8/25/2016	9	21.1	21.0	20.1	N/A	N/A	N/A	21.3	N/A
8/25/2016	10	21.1	21.1	20.7	N/A	N/A	N/A	21.3	N/A
8/25/2016	11	21.1	21.1	21.4	N/A	N/A	N/A	21.3	N/A

8/25/2016	12	21.1	21.2	22.3	N/A	N/A	N/A	21.3	N/A
8/25/2016	13	21.1	21.2	23.1	N/A	N/A	N/A	21.3	N/A
8/25/2016	14	21.2	21.3	23.6	N/A	N/A	N/A	21.3	N/A
8/25/2016	15	21.2	21.3	23.9	N/A	N/A	N/A	21.3	N/A
8/25/2016	16	21.1	21.2	24.0	N/A	N/A	N/A	21.3	N/A
8/25/2016	17	21.1	21.2	23.5	N/A	N/A	N/A	21.3	N/A
8/25/2016	18	21.2	21.2	23.1	N/A	N/A	N/A	21.3	N/A
8/25/2016	19	21.1	21.2	22.5	N/A	N/A	N/A	21.3	N/A
8/25/2016	20	21.1	21.1	21.9	N/A	N/A	N/A	21.3	N/A
8/25/2016	21	21.2	21.1	21.3	N/A	N/A	N/A	21.3	N/A
8/25/2016	22	21.1	21.0	20.9	N/A	N/A	N/A	21.3	N/A
8/25/2016	23	21.1	21.0	20.7	N/A	N/A	N/A	21.3	N/A
8/25/2016	24	21.0	20.9	20.6	N/A	N/A	N/A	21.3	N/A
8/26/2016	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/26/2016	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/27/2016	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A







