

Northern CVP Water Temperature Report

August - 2017

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All Data in this Report is Preliminary and Subject to Change

DATE	Mean Daily Water Temperatures (°F)													Mean Daily Release (CFS)			Mean Daily Air Temperatures (°F)				
	TCD ¹	SHD	SPP ¹	KWK	SAC	CCR	BSF ²	JLF	BND	RDB	IGO	LWS	----- ³	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB	LWS	
Jul	50.6	49.5	53.3	51.5	52.0	52.7	54.9	56.6	57.2	59.3	57.4	49.0	-	8309	1551	9675	85.7	80.4	80.8	74.4	
08/01	50.0	49.2	54.1	51.1	51.6	52.3	54.2	55.8	56.5	58.3	59.4	50.2	-	8464	1187	9588	↑ 93.5	84.8	84.0	81.5	
08/02	50.1	49.2	54.1	51.1	51.7	? 52.3	54.5	56.2	56.9	58.7	59.6	50.3	-	8543	1210	9719	93.0	86.8	86.3	83.1	
08/03	50.4	49.5	54.2	51.3	51.8	52.3	54.6	56.3	57.0	58.9	59.3	50.4	-	8842	1164	9738	92.5	86.9	86.9	81.8	
08/04	50.6	49.8	54.2	51.3	51.8	52.3	54.4	56.0	56.8	58.7	58.9	50.4	-	8773	920	9519	89.0	82.5	83.0	77.8	
08/05	50.6	49.9	54.3	51.6	52.1	52.6	54.7	56.2	56.8	58.4	59.0	50.6	-	8533	1024	9334	89.0	81.9	81.3	78.5	
08/06	50.8	49.9	54.4	51.7	52.1	52.6	54.7	56.2	56.9	58.8	58.5	50.7	-	8538	1294	9403	84.5	77.2	77.3	73.9	
08/07	50.8	50.0	54.4	51.7	52.2	52.6	54.8	56.4	57.1	58.6	59.0	50.7	-	7995	1253	9400	84.5	79.3	77.8	74.1	
08/08	51.0	50.1	54.5	51.8	52.2	52.7	54.7	56.4	57.1	58.9	58.7	50.4	-	8419	1293	9405	86.0	80.0	78.4	74.6	
08/09	51.0	50.1	54.4	51.8	52.2	52.7	? 54.6	56.2	? 56.9	58.7	58.5	50.8	-	8114	1430	9444	84.5	79.2	78.2	74.4	
08/10	51.0	50.2	54.4	51.8	52.3	52.7	54.6	55.9	? 56.6	58.2	58.6	51.1	-	8893	1272	9590	84.0	77.1	76.7	73.5	
08/11	51.0	50.2	? 54.6	52.1	52.5	52.9	54.8	56.2	56.8	58.2	58.8	51.3	-	7828	1581	9659	84.5	79.2	79.1	73.8	
08/12	51.0	50.3	54.6	52.1	52.6	53.1	55.1	56.6	57.3	59.0	58.9	51.1	-	8943	1001	9564	86.0	80.4	79.4	73.7	
08/13	51.0	50.3	54.5	52.1	52.6	53.1	55.0	56.4	57.1	58.9	58.6	50.9	-	8409	1286	9542	82.5	77.8	77.5	71.5	
08/14	51.0	50.3	? 54.6	52.2	52.7	53.2	55.2	56.7	57.4	59.0	58.8	51.6	-	8223	1730	9606	81.5	75.2	74.8	74.0	
08/15	51.0	50.1	54.7	52.1	52.6	53.2	55.2	56.6	? 57.3	59.0	58.7	51.3	-	8835	925	9596	79.0	73.6	72.3	71.8	
08/16	51.1	50.1	54.7	52.0	52.4	52.8	54.7	56.2	57.0	58.7	58.7	51.2	-	9034	1215	9589	83.5	75.1	73.4	73.4	
08/17	51.0	50.1	54.7	52.0	52.4	52.9	54.8	56.2	57.0	58.7	58.8	51.7	-	8790	1266	9570	↑ 87.5	80.0	78.5	75.0	
08/18	51.1	50.2	54.8	52.1	52.6	53.0	54.9	56.4	57.1	58.8	58.8	51.5	-	7957	1619	9454	87.0	80.5	78.5	75.8	
08/19	51.2	50.2	54.8	52.2	52.5	53.0	54.8	56.3	57.1	58.8	58.5	51.0	-	8021	1230	9430	86.5	80.3	79.2	73.0	
08/20	51.0	50.1	54.9	52.0	52.5	53.0	54.8	56.1	56.8	58.4	58.7	50.8	-	8453	1147	9531	86.0	79.3	78.2	74.1	
08/21	51.3	50.3	? 54.7	52.0	52.4	52.9	54.6	56.1	56.9	58.6	58.6	49.7	-	8567	1174	9589	81.5	75.8	74.8	74.4	
08/22	51.0	50.1	54.7	51.9	52.3	52.8	54.7	55.9	? 56.6	57.9	? 58.9	49.4	-	9219	788	9703	82.5	76.4	75.5	75.2	
08/23	50.7	? 49.7	54.9	? 52.0	52.4	? 52.9	? 54.7	? 56.1	56.8	? 58.2	58.9	? 49.2	-	7890	1692	9704	86.0	79.5	79.5	73.3	
08/24	50.8	49.8	54.9	51.9	52.3	52.8	54.6	55.9	56.7	58.3	58.7	50.0	-	8065	1595	9917	83.0	77.1	78.1	71.8	
08/25	50.9	49.9	54.9	51.9	52.3	52.7	54.5	55.8	56.4	58.0	58.6	50.0	-	8366	1067	10147	83.0	76.4	77.1	72.8	
08/26	50.8	49.9	54.8	51.7	52.1	52.6	54.2	55.5	56.2	57.7	? 58.2	50.1	-	9019	1114	10121	83.5	76.9	79.3	72.7	
08/27	!	-	49.8	54.9	51.7	52.1	52.5	54.1	55.4	56.1	57.7	58.3	!	-	8213	1223	10051	↑ 89.0	80.3	84.9	-
08/28	50.6	49.8	54.9	51.7	52.1	52.6	54.3	55.6	56.2	57.6	58.4	50.7	-	8240	1254	10051	↑ 88.0	80.3	82.3	75.5	
08/29	50.6	? 49.6	54.9	51.8	52.4	53.0	54.8	56.1	56.8	58.1	58.7	50.7	-	7797	1238	8607	88.5	80.7	83.5	75.4	
08/30	50.5	49.4	54.9	51.9	52.4	52.9	54.9	56.4	57.2	59.0	58.6	51.0	-	6970	1359	8399	84.5	77.4	79.3	71.8	
08/31	50.2	49.1	54.9	52.0	52.4	52.9	54.7	56.0	56.8	58.3	58.1	50.2	-	6850	1077	8401	88.0	77.2	80.3	67.5	
Aug	50.8	49.9	54.6	51.8	52.3	52.8	54.7	56.1	56.8	58.5	58.7	50.6	-	8348	1246	9528	85.9	79.2	79.2	74.7	

Total CFS	258803	38628	295371
Total AF	513325	76617	585856

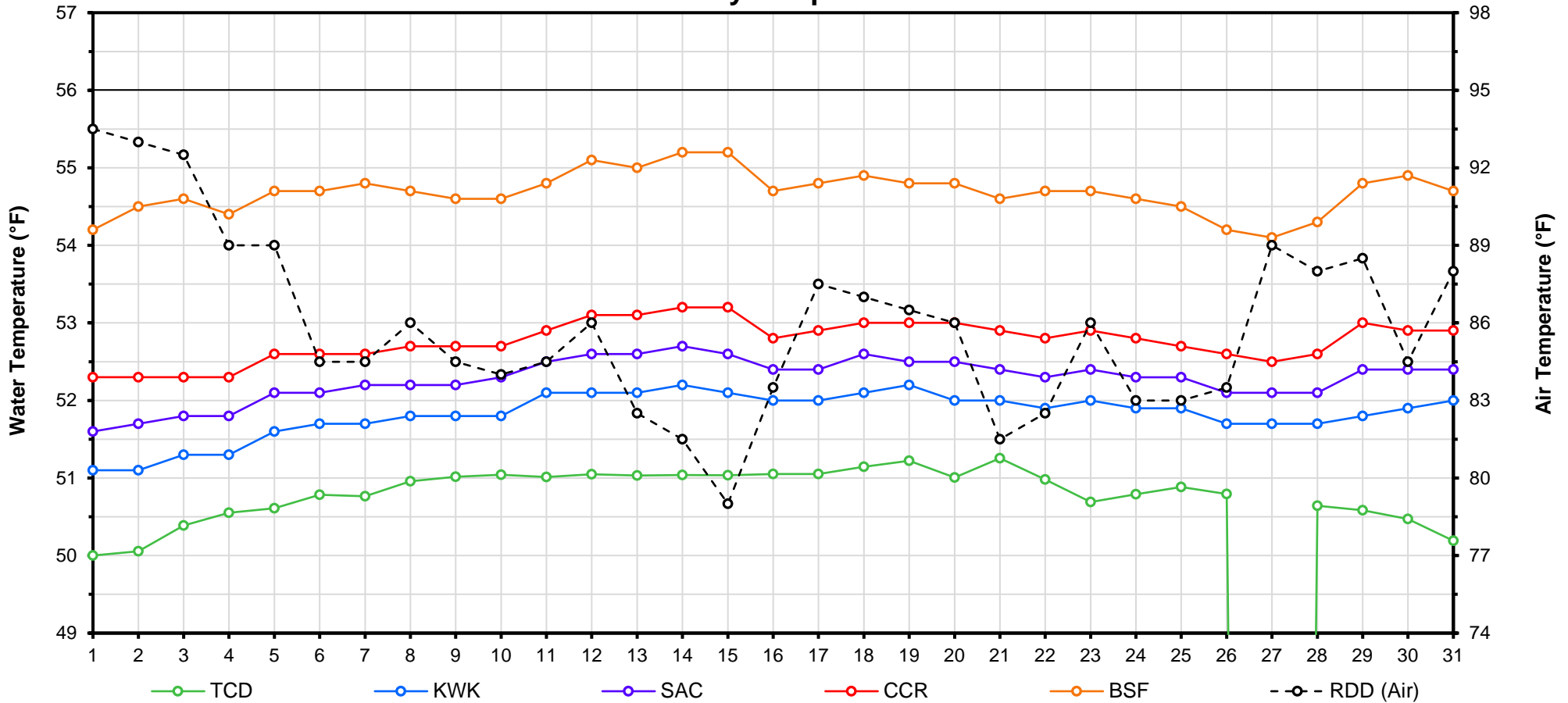
Legend

- ? = 1-9 hours of data missing (Average includes estimations)
- ! = 10 or more hours of data missing (Average not calculated)
- # = Station out of service
- ↑ = Record high air temperature
- ↓ = Record low air temperature
- ☐ = Monthly Averages

Notes

- ¹ Temperatures are weighted averages based on individual penstock flow and temperature
- Highlighted cells in the TCD column indicate a TCD change was made on that day
- ² Current control point (see page 3 for more details)
- ³ Column not used this month

Mean Daily Temperatures



Station Details			
Code	Body of Water	Location ¹	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	Click Here
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	Click Here
SAC	Sacramento River	4.8 miles downstream of Keswick Dam	Click Here
CCR	Sacramento River	9.7 miles downstream of Keswick Dam	Click Here
BSF	Sacramento River	25 miles downstream of Keswick Dam	Click Here
JLF	Sacramento River	34 miles downstream of Keswick Dam	Click Here
BND	Sacramento River	41 miles downstream of Keswick Dam	Click Here
RDB	Sacramento River	58 miles downstream of Keswick Dam	Click Here
IGO	Clear Creek	7.3 miles downstream of Whiskeytown Dam	Click Here
LWS	Trinity River	1.1 miles downstream of Lewiston Dam	Click Here
DGC ²	Trinity River	19 miles downstream of Lewiston Dam	Click Here
NFH ³	Trinity River	38 miles downstream of Lewiston Dam	Click Here

Temperature Control Point		
Point	Temp. (°F)	Date Range
BSF	56.0	06/01/17 - Current

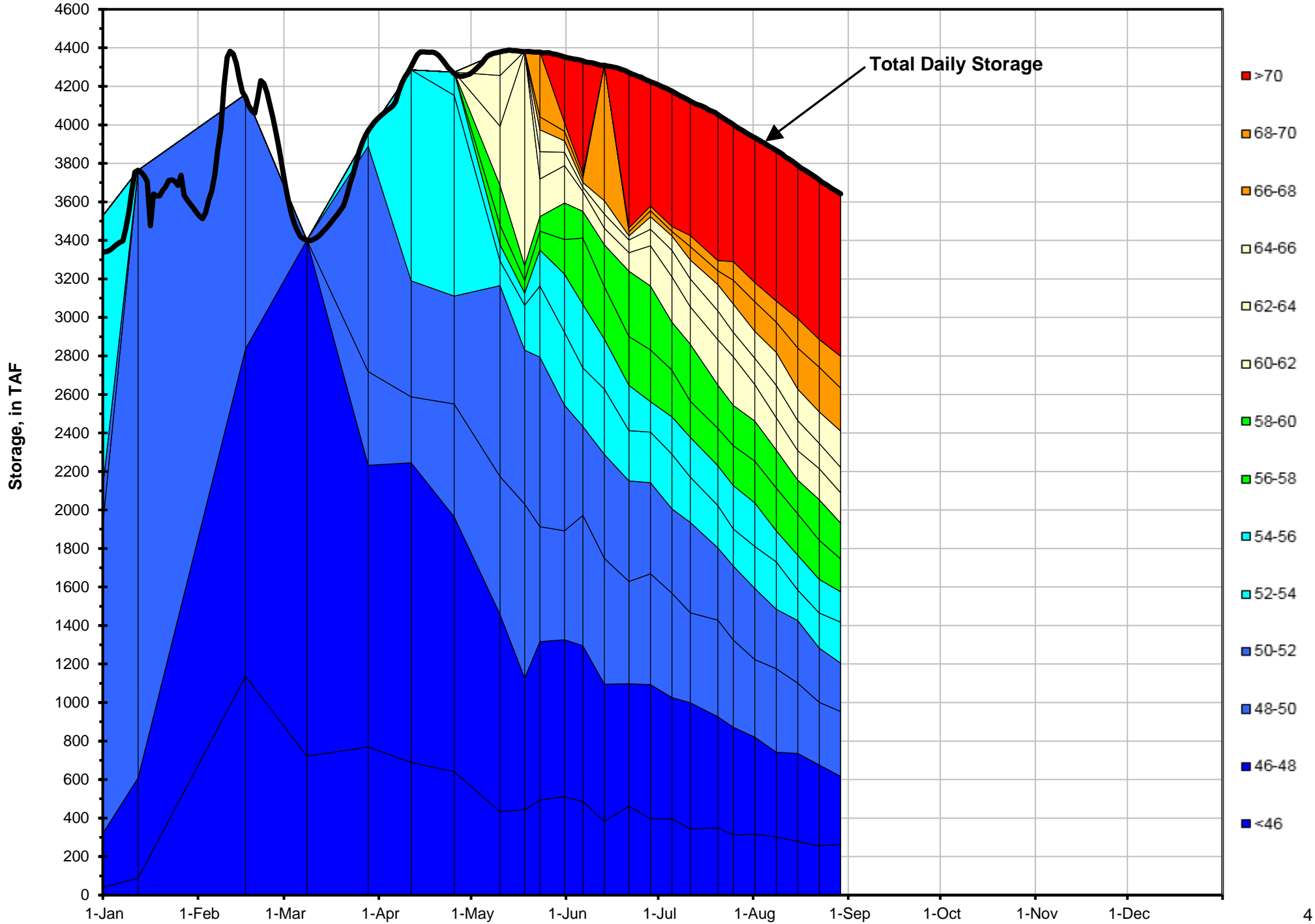
Notes

¹ Distances are approximate

² DGC is only reported in September

³ NFH is only reported in October, November and December

Lake Shasta Isothermalbaths - 2017 (Water Temperature, in °F)



DATE	Daily Max		7DADM ¹		DAT ²
	SAC	CCR	SAC	CCR	BSF
08/01	52.5	53.7	53.0	54.2	54.2
08/02	52.8	53.8	52.9	54.1	54.5
08/03	52.8	53.8	52.9	54.0	54.6
08/04	53.0	54.0	52.7	53.9	54.4
08/05	53.3	54.4	52.8	53.9	54.7
08/06	53.3	54.4	52.9	54.0	54.7
08/07	53.3	54.3	53.0	54.1	54.8
08/08	53.3	54.4	53.1	54.2	54.7
08/09	53.4	54.2	53.2	54.2	54.6
08/10	53.5	54.3	53.3	54.3	54.6
08/11	53.7	54.9	53.4	54.4	54.8
08/12	53.8	54.9	53.5	54.5	55.1
08/13	53.8	54.9	53.5	54.6	55.0
08/14	54.0	55.1	53.6	54.7	55.2
08/15	53.9	55.0	53.7	54.8	55.2
08/16	53.5	54.4	53.7	54.8	54.7
08/17	53.5	54.6	53.7	54.8	54.8
08/18	53.6	54.6	53.7	54.8	54.9
08/19	53.5	54.3	53.7	54.7	54.8
08/20	53.6	54.6	53.7	54.7	54.8
08/21	53.5	54.5	53.6	54.6	54.6
08/22	53.5	54.6	53.5	54.5	54.7
08/23	53.4	54.6	53.5	54.5	54.7
08/24	53.2	54.4	53.5	54.5	54.6
08/25	53.3	54.3	53.4	54.5	54.5
08/26	53.2	54.2	53.4	54.5	54.2
08/27	53.2	54.2	53.3	54.4	54.1
08/28	53.2	54.2	53.3	54.4	54.3
08/29	53.8	55.1	53.3	54.4	54.8
08/30	53.7	54.8	53.4	54.5	54.9
08/31	53.2	54.2	53.4	54.4	54.7

Notes

¹ 7DADM = 7-Day Average
Daily Maximum

² DAT = Daily Average
Temperature

