

Temperature Analysis Using CCS-6 as a Surrogate for the TS Monitoring Location

Table 1: Total Degrees over 100°F or 37.778°C at Uprate Monitoring Program Station CCS-6 from 8/9/14 - 9/30/15

CCS-6	Celsius	Fahrenheit	Amt > 100F	Amt >37.778C
8/21/2014 17:00	38.774	101.793	1.793	0.996
8/21/2014 18:00	38.739	101.730	1.730	0.961
8/21/2014 16:00	38.73	101.714	1.714	0.952
8/11/2014 17:00	38.668	101.602	1.602	0.89
8/22/2014 17:00	38.658	101.584	1.584	0.88
8/21/2014 19:00	38.627	101.529	1.529	0.849
8/11/2014 16:00	38.611	101.500	1.500	0.833
8/21/2014 15:00	38.611	101.500	1.500	0.833
8/12/2014 18:00	38.584	101.451	1.451	0.806
8/12/2014 17:00	38.583	101.449	1.449	0.805
8/11/2014 18:00	38.582	101.448	1.448	0.804
8/22/2014 16:00	38.581	101.446	1.446	0.803
8/22/2014 18:00	38.575	101.435	1.435	0.797
8/12/2014 19:00	38.504	101.307	1.307	0.726
8/12/2014 16:00	38.491	101.284	1.284	0.713
8/11/2014 19:00	38.466	101.239	1.239	0.688
8/11/2014 15:00	38.451	101.212	1.212	0.673
8/22/2014 15:00	38.429	101.172	1.172	0.651
8/21/2014 14:00	38.394	101.109	1.109	0.616
8/21/2014 20:00	38.391	101.104	1.104	0.613
8/22/2014 19:00	38.349	101.028	1.028	0.571
8/20/2014 17:00	38.316	100.969	0.969	0.538
8/20/2014 18:00	38.312	100.962	0.962	0.534
8/12/2014 15:00	38.3	100.940	0.940	0.522
8/11/2014 20:00	38.293	100.927	0.927	0.515
8/11/2014 14:00	38.252	100.854	0.854	0.474
8/9/2014 18:00	38.227	100.809	0.809	0.449
8/20/2014 16:00	38.206	100.771	0.771	0.428
8/10/2014 18:00	38.196	100.753	0.753	0.418
8/10/2014 17:00	38.19	100.742	0.742	0.412
8/20/2014 19:00	38.189	100.740	0.740	0.411
8/21/2014 13:00	38.182	100.728	0.728	0.404
8/22/2014 14:00	38.182	100.728	0.728	0.404

**Table 1: Total Degrees over 100°F or 37.778°C at Uprate Monitoring Program
Station CCS-6 from 8/9/14 - 9/30/15**

CCS-6	Celsius	Fahrenheit	Amt > 100F	Amt >37.778C
8/10/2014 19:00	38.133	100.639	0.639	0.355
8/9/2014 19:00	38.119	100.614	0.614	0.341
8/12/2014 20:00	38.111	100.600	0.600	0.333
8/21/2014 21:00	38.108	100.594	0.594	0.33
8/9/2014 17:00	38.079	100.542	0.542	0.301
8/10/2014 16:00	38.078	100.540	0.540	0.3
8/12/2014 14:00	38.057	100.503	0.503	0.279
8/11/2014 21:00	38.051	100.492	0.492	0.273
8/11/2014 21:00	38.051	100.492	0.492	0.273
8/20/2014 15:00	38.032	100.458	0.458	0.254
8/22/2014 20:00	38.024	100.443	0.443	0.246
8/11/2014 13:00	38.018	100.432	0.432	0.24
8/10/2014 20:00	38.016	100.429	0.429	0.238
8/20/2014 20:00	37.972	100.350	0.350	0.194
8/19/2014 18:00	37.96	100.328	0.328	0.182
8/22/2014 13:00	37.948	100.306	0.306	0.17
8/18/2014 17:00	37.941	100.294	0.294	0.163
8/19/2014 17:00	37.926	100.267	0.267	0.148
8/9/2014 20:00	37.917	100.251	0.251	0.139
8/18/2014 16:00	37.908	100.234	0.234	0.13
8/10/2014 15:00	37.889	100.200	0.200	0.111
8/9/2014 16:00	37.885	100.193	0.193	0.107
8/18/2014 18:00	37.868	100.162	0.162	0.09
8/21/2014 22:00	37.854	100.137	0.137	0.076
8/21/2014 12:00	37.844	100.119	0.119	0.066
8/12/2014 13:00	37.841	100.114	0.114	0.063
8/11/2014 22:00	37.818	100.072	0.072	0.04
8/20/2014 14:00	37.817	100.071	0.071	0.039
8/19/2014 16:00	37.795	100.031	0.031	0.017
Total degrees over 100°F or 37.778°C:			49.47	27.47
Number of hours >100°F at TPSWCCS-6			61	
Percent of time >100°F at TPSWCCS-6			0.7%	

Table 2: Average CCS Temperatures With and Without the Effect of Additional Temperature Increase/Heat Input Allowed by NRC Action Using Uprate Monitoring Station CCS-6 as a Proxy for the Technical Specification Temperature Location (8/9/14 -9/30/15)

	CCS-1	CCS-2	CCS-4	CCS-5	CCS-6	
Number of records	9814	9951	10000	9993	8748	Average (°F)
Average CCS temperature (all data included; °F) actual data	102.241	91.913	89.234	88.826	87.166	91.876
Average CCS temperature, excluding additional temperature increase/heat input over 100°F at CCS-6 (49.47°F is subtracted from total temperatures at each location)	102.236	91.908	89.229	88.821	87.161	91.871