

Balancing Authority ACE Limit Proof-of-Concept Field Trial Project 2010-14

WECC Update Discussion
March 29, 2011

DISCUSSION STARTING AT 3:30 PM EDT

Bob Klueber- Midwest ISO

Balancing Authority Reliability-based Control Standard Drafting Team
(BARCSDT)

Balancing Authority ACE Limit Proof-of-Concept Field Trial

Western Interconnection Field Trial Participation

Western Interconnection Balancing Authority Participants	2010 Frequency Bias	WECC Region	Reliability Coordinator	Start Date
Alberta Electric System Operator (AESO)	-125	NWPP	WECC	March 1, 2010
Arizona Public Service Company (AZPS)	-74.5	AZNMSNV	WECC	March 1, 2010
Bonneville Power Administration (BPAT)	-157.3	NWPP	WECC	March 1, 2010
British Columbia Transmission Corporation (BCTC)	-118	NWPP	WECC	April 1, 2010
California Independent System Operator (CISO)	-485	CAMX	WECC	March 1, 2010
El Paso Electric Company (EPE)	-19	AZNMSNV	WECC	March 1, 2010
NaturEner Power Watch , LLC(GWA)	-2.1	NWPP	WECC	March 1, 2010
Idaho Power Company (IPCO)	-40	NWPP	WECC	March 1, 2010
Los Angeles Department of Water and Power (LDWP)	-62.3	CAMX	WECC	March 1, 2010
Nevada Power Company (NEVP)	-62.29	AZNMSNV	WECC	March 1, 2010
PacifiCorp East (PACE)	-77	NWPP	WECC	March 1, 2010
PacifiCorp West (PACW)	-45	NWPP	WECC	March 1, 2010
Portland General Electric (PGE)	-50	NWPP	WECC	April 1, 2010
Public Service Company of Colorado (PSCO)	-80	RMPA	WECC	March 1, 2010
Public Utility District No.1 of Chelan County(CHPD)	-12	NWPP	WECC	March 1, 2010
Public Utility District No.1 of Douglas County (DOPD)	-7	NWPP	WECC	April 1, 2010
Public Utility District No.2 of Grant County (GCPD)	-25	NWPP	WECC	March 1, 2010
Seattle City Light (SCL)	-40	NWPP	WECC	March 1, 2010
Sacramento Municipal Utility District (SMUD)	-45.18	NWPP	WECC	March 1, 2010
Salt River Project (SRP)	-65.2	AZNMSNV	WECC	May 1, 2010
Sierra Pacific Power Company (SPPC)	-20.04	NWPP	WECC	March 1, 2010
Tucson Electric Power (TEPC)	-30.4	AZNMSNV	WECC	March 1, 2010
Turlock Irrigation District (TIDC)	-6.7	NWPP	WECC	March 1, 2010
Western Area Power Administration – Rocky Mountain Region (WACM)	-55	RMPA	WECC	March 1, 2010
Western Area Power Administration- Desert Southwest Region (WALC)	-54.8	AZNMSNV	WECC	March 1, 2010

Clock-Minute Frequency Below 59.932 Hz FTL_{Low} or Above 60.068 Hz FTL_{High}

FTL Low				
PrevailingTime	PTimeZone	FreqError	ActualFreq	SchedFreq
2/9/11 6:17	PST	-0.07	59.929	60.00
2/18/11 14:28	PST	-0.12	59.879	60.00
2/18/11 14:29	PST	-0.09	59.906	60.00
2/18/11 14:30	PST	-0.07	59.926	60.00
FTL High				
PrevailingTime	PTimeZone	FreqError	ActualFreq	SchedFreq
NONE				

02/09/2011 – BA under-generation in WECC

02/18/2011 – Loss of 1712 MW due to loss of 500 kV transmission line

Balancing Authority ACE Limit Proof-of-Concept Field Trial

The Balancing Authority ACE Limit (BAAL) shall not be exceeded for more than 30 consecutive clock-minutes*

BA_Number	Performance Since Entering the Field Trial				Current Month Statistics						
	BAAL _{Low}		BAAL _{High}		BAAL _{Low}		BAAL _{High}		BAAL _{Low} or ATL _{Low}		BAAL _{High} or ATL _{High}
	Max_MinCtLow	Max_MinCtHigh	Max_MinCtLow2	Max_MinCtHigh2	Max_MinCtLow	Max_MinCtHigh	Max_MinCtLow2	Max_MinCtHigh2	Max_LowLimitCt	Max_HighLimitCt	
BA05	44	42	58	49	24	30	25	26	26	30	
BA06	16	15	13	15	16	13	0	0	16	13	
BA07	23	36	29	41	22	16	12	18	22	18	
BA08	22	41	19	34	4	41	4	2	4	41	
BA09	11	9	15	55	0	0	7	2	7	2	
BA11	10	14	16	7	5	5	7	0	7	5	
BA12	10	13	14	17	7	1	3	0	7	1	
BA13	17	27	17	45	17	8	17	1	18	8	
BA14	23	31	13	55	11	5	1	0	11	5	
BA15	5	7	7	5	0	0	0	0	0	0	
BA16	14	19	25	34	9	19	13	13	13	19	
BA18	7	13	25	15	6	1	5	0	6	1	
BA19	24	63	30	439	24	63	26	439	28	439	
BA22	9	10	15	14	9	4	0	0	9	4	
BA23	20	18	13	27	4	9	3	1	4	9	
BA25	15	22	21	14	9	9	3	4	9	9	
BA26	13	34	43	41	13	34	11	23	13	34	
BA27	23	22	16	15	2	0	0	0	2	0	
BA28	23	24	38	39	23	19	26	24	26	24	
BA29	17	9	16	16	5	9	4	8	5	9	
BA30	19	18	47	39	0	0	5	3	5	3	
BA31	20	16	29	28	13	11	8	11	13	17	
BA33	26	13	28	58	21	5	4	3	21	5	
BA34	16	17	23	29	15	10	11	13	15	13	
BA36	69	19	114	25	11	19	11	21	11	21	

MinCtLow = Count of consecutive clock-minutes BAAL_{Low} was exceeded

MinCtHigh = Count of consecutive clock-minutes BAAL_{High} was exceeded

MinCtLow2 = Count of consecutive clock-minutes ATL_{Low} was exceeded

MinCtHigh2 = Count of consecutive clock-minutes ATL_{High} was exceeded

***BAAL being exceeded for more than 30 consecutive clock-minutes would be a violation under the draft BAAL standard.**

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	13:35	MST	60.019	60.00	0	21	-3203.44	-3203.44	0	0	0	21
02/02/11	13:36	MST	60.015	60.00	0	22	-2548.67	-2548.67	0	0	0	22
02/02/11	13:37	MST	60.011	60.00	0	23	-1714.92	-1714.92	0	0	0	23
02/02/11	13:38	MST	60.013	60.00	0	24	-1879.57	-1879.57	0	0	0	24
02/02/11	13:39	MST	60.010	60.00	0	25	-1277.01	-1277.01	0	0	0	25
02/02/11	13:40	MST	60.014	60.00	0	26	-1673.59	-1673.59	0	0	0	26
02/02/11	13:41	MST	60.014	60.00	0	27	-1647.16	-1647.16	0	0	0	27
02/02/11	13:42	MST	60.015	60.00	0	28	-1695.68	-1695.68	0	0	0	28
02/02/11	13:43	MST	60.022	60.00	0	29	-2432.46	-2432.46	0	0	0	29
02/02/11	13:44	MST	60.024	60.00	0	30	-2617.88	-2617.88	0	0	0	30
02/12/11	22:37	MST	60.034	60.00	0	21	-1027.00	-1027.00	0	0	0	21
02/12/11	23:30	MST	60.029	60.00	0	21	-1010.15	-1010.15	0	0	0	21
02/13/11	17:33	MST	59.974	60.00	21	0	-6995.86	-6995.86	0	0	21	0
02/13/11	17:34	MST	59.972	60.00	22	0	-8335.35	-8335.35	1	0	22	0
02/13/11	17:35	MST	59.969	60.00	23	0	-4624.06	-4624.06	0	0	23	0
02/13/11	17:36	MST	59.970	60.00	24	0	-5047.34	-5047.34	0	0	24	0
02/14/11	4:04	MST	60.016	60.00	0	21	-1353.04	-1353.04	0	0	0	21
02/14/11	4:05	MST	60.024	60.00	0	22	-1143.60	-1143.60	0	0	0	22
02/15/11	16:33	MST	59.978	60.00	21	0	-2515.71	-2515.71	0	0	21	0
02/15/11	16:34	MST	59.976	60.00	22	0	-2940.28	-2940.28	0	0	22	0
02/15/11	16:35	MST	59.975	60.00	23	0	-1335.38	-1335.38	0	0	23	0
02/17/11	5:50	MST	59.977	60.00	21	0	-1947.79	-1947.79	0	0	21	0
02/17/11	5:51	MST	59.976	60.00	22	0	-2400.31	-2400.31	0	0	22	0
02/18/11	10:42	MST	60.023	60.02	0	21	49.89	-1062.05	0	0	0	21
02/18/11	10:43	MST	60.028	60.02	0	22	-247.80	-1339.98	0	0	0	22
02/18/11	10:44	MST	60.030	60.02	0	23	-316.81	-1350.42	0	0	0	23
02/18/11	10:45	MST	60.031	60.02	0	24	-319.19	-1298.80	0	0	0	24
02/18/11	10:46	MST	60.036	60.02	0	25	-563.72	-1512.43	0	0	0	25
02/18/11	10:47	MST	60.036	60.02	0	26	-515.07	-1397.87	0	0	0	26
02/18/11	10:48	MST	60.037	60.02	0	27	-555.69	-1455.33	0	0	0	27
02/21/11	22:27	MST	60.020	60.00	0	21	-913.16	-913.16	0	0	0	21
02/22/11	19:08	MST	59.987	60.00	21	0	-3141.37	-3141.37	0	0	21	0
02/22/11	19:09	MST	59.982	60.00	22	0	-4231.60	-4231.60	0	0	22	0
02/22/11	19:10	MST	59.985	60.00	23	0	-3485.09	-3485.09	0	0	23	0
02/23/11	3:37	MST	59.992	60.00	21	0	-962.41	-962.41	0	0	21	0
02/23/11	3:59	MST	59.989	60.00	21	0	-2428.09	-2428.09	0	0	21	0
02/23/11	4:00	MST	59.991	60.00	22	0	-1770.38	-1770.38	0	0	22	0
02/23/11	4:50	MST	59.961	60.00	21	0	-4763.77	-4763.77	0	0	21	0
02/23/11	4:51	MST	59.970	60.00	22	0	-3550.11	-3550.11	0	0	22	0
02/23/11	4:52	MST	59.991	60.00	23	0	-865.32	-865.32	0	0	23	0
02/23/11	4:53	MST	59.991	60.00	24	0	-772.77	-772.77	0	0	24	0

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/24/11	18:32	MST	59.968	60.00	21	0	-5197.42	-5197.42	0	0	21	0
02/24/11	18:33	MST	59.984	60.00	22	0	-2397.09	-2397.09	0	0	22	0
02/24/11	18:34	MST	59.978	60.00	23	0	-1621.69	-1621.69	0	0	23	0
02/27/11	17:21	MST	59.989	60.00	21	0	-3474.88	-3474.88	3	0	21	0
02/02/11	18:22	MST	59.965	59.98	21	0	-469.18	-1334.31	0	0	21	0
02/02/11	18:23	MST	59.963	59.98	22	0	-445.23	-1210.62	0	0	22	0
02/21/11	22:43	PST	60.030	60.00	0	21	-1154.06	-1154.06	0	0	0	21
02/21/11	22:44	PST	60.030	60.00	0	22	-1111.38	-1111.38	0	0	0	22
02/21/11	22:45	PST	60.036	60.00	0	23	-1471.50	-1471.50	0	0	0	23
02/21/11	22:46	PST	60.027	60.00	0	24	-1055.19	-1055.19	0	0	0	24
02/21/11	22:47	PST	60.021	60.00	0	25	-798.89	-798.89	0	0	0	25
02/21/11	22:48	PST	60.026	60.00	0	26	-1007.67	-1007.67	0	0	0	26
02/21/11	22:49	PST	60.024	60.00	0	27	-947.39	-947.39	0	0	0	27
02/21/11	22:50	PST	60.025	60.00	0	28	-995.79	-995.79	0	0	0	28
02/21/11	22:51	PST	60.032	60.00	0	29	-1291.21	-1291.21	0	0	0	29
02/21/11	22:52	PST	60.031	60.00	0	30	-1325.73	-1325.73	0	0	0	30
02/26/11	12:35	PST	60.046	60.02	0	21	-1366.46	-2550.04	0	0	0	21
02/26/11	12:36	PST	60.047	60.02	0	22	-1353.52	-2491.21	0	0	0	22
02/26/11	12:37	PST	60.046	60.02	0	23	-1364.43	-2546.47	0	0	0	23
02/26/11	12:38	PST	60.042	60.02	0	24	-1079.33	-2238.13	0	0	0	24
02/26/11	12:39	PST	60.049	60.02	0	25	-1461.70	-2627.80	0	0	0	25
02/26/11	12:40	PST	60.045	60.02	0	26	-1289.30	-2490.34	0	0	0	26
02/26/11	12:41	PST	60.045	60.02	0	27	-1302.21	-2490.20	0	0	0	27
02/26/11	12:42	PST	60.050	60.02	0	28	-1674.84	-2909.10	0	0	0	28
02/26/11	12:43	PST	60.051	60.02	0	29	-1682.28	-2877.76	0	0	0	29
02/26/11	12:44	PST	60.052	60.02	0	30	-1795.18	-3029.44	0	0	0	30
02/26/11	12:45	PST	60.057	60.02	0	31	-2135.06	-3382.76	0	0	0	31
02/26/11	12:46	PST	60.052	60.02	0	32	-1909.36	-3240.18	0	0	0	32
02/26/11	12:47	PST	60.053	60.02	0	33	-1838.75	-3089.14	0	0	0	33
02/26/11	12:48	PST	60.048	60.02	0	34	-1578.49	-2832.71	0	0	0	34
02/26/11	12:49	PST	60.050	60.02	0	35	-1640.22	-2862.96	0	0	0	35
02/26/11	12:50	PST	60.050	60.02	0	36	-1640.84	-2855.52	0	0	0	36
02/26/11	12:51	PST	60.052	60.02	0	37	-1605.90	-2747.43	0	0	0	37
02/26/11	12:52	PST	60.034	60.02	0	38	-543.72	-1591.94	0	0	0	38
02/26/11	12:53	PST	60.020	60.02	0	39	188.31	-828.24	0	0	0	39
02/26/11	12:54	PST	60.025	60.02	0	40	-25.32	-932.06	0	0	0	40
02/26/11	12:55	PST	60.023	60.02	0	41	65.62	-766.43	0	0	0	41

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	8:39	MST	60.010	60.00	0	21	-1994.15	-1994.15	0	73	0	73
02/02/11	8:40	MST	60.017	60.00	0	22	-3439.72	-3439.72	0	74	0	74
02/02/11	8:41	MST	60.020	60.00	0	23	-3825.02	-3825.02	0	75	0	75
02/02/11	8:42	MST	60.021	60.00	0	24	-3925.38	-3925.38	0	76	0	76
02/02/11	8:43	MST	60.020	60.00	0	25	-3606.18	-3606.18	0	77	0	77
02/02/11	8:44	MST	60.025	60.00	0	26	-4636.72	-4636.72	0	78	0	78
02/02/11	8:45	MST	60.026	60.00	0	27	-4800.31	-4800.31	0	79	0	79
02/02/11	8:46	MST	60.030	60.00	0	28	-5654.77	-5654.77	0	80	0	80
02/02/11	8:47	MST	60.032	60.00	0	29	-6063.08	-6063.08	0	81	0	81
02/02/11	8:48	MST	60.030	60.00	0	30	-5736.48	-5736.48	0	82	0	82
02/02/11	8:49	MST	60.030	60.00	0	31	-5818.31	-5818.31	0	83	0	83
02/02/11	8:50	MST	60.031	60.00	0	32	-6088.70	-6088.70	0	84	0	84
02/02/11	8:51	MST	60.027	60.00	0	33	-5320.36	-5320.36	0	85	0	85
02/02/11	8:52	MST	60.035	60.00	0	34	-7210.85	-7210.85	0	86	0	86
02/02/11	8:53	MST	60.025	60.00	0	35	-5131.30	-5131.30	0	87	0	87
02/02/11	8:54	MST	60.023	60.00	0	36	-4956.15	-4956.15	0	88	0	88
02/02/11	8:55	MST	60.026	60.00	0	37	-5731.93	-5731.93	0	89	0	89
02/02/11	8:56	MST	60.024	60.00	0	38	-5271.26	-5271.26	0	90	0	90
02/02/11	8:57	MST	60.021	60.00	0	39	-3997.98	-3997.98	0	91	0	91
02/02/11	8:58	MST	60.006	60.00	0	40	-999.57	-999.57	0	92	0	92
02/02/11	9:38	MST	60.023	60.00	0	21	-4068.52	-4068.52	0	132	0	132
02/02/11	9:39	MST	60.022	60.00	0	22	-3740.47	-3740.47	0	133	0	133
02/02/11	9:40	MST	60.019	60.00	0	23	-3320.02	-3320.02	0	134	0	134
02/02/11	9:41	MST	60.021	60.00	0	24	-3864.88	-3864.88	0	135	0	135
02/02/11	9:42	MST	60.016	60.00	0	25	-2811.45	-2811.45	0	136	0	136
02/02/11	9:43	MST	60.016	60.00	0	26	-2970.97	-2970.97	0	137	0	137
02/02/11	9:44	MST	60.028	60.00	0	27	-5299.87	-5299.87	0	138	0	138
02/02/11	9:45	MST	60.033	60.00	0	28	-6164.91	-6164.91	0	139	0	139
02/02/11	9:46	MST	60.026	60.00	0	29	-4894.04	-4894.04	0	140	0	140
02/02/11	9:47	MST	60.028	60.00	0	30	-5646.96	-5646.96	0	141	0	141
02/02/11	9:48	MST	60.022	60.00	0	31	-4109.16	-4109.16	0	142	0	142
02/02/11	9:49	MST	60.031	60.00	0	32	-5827.20	-5827.20	0	143	0	143
02/02/11	9:50	MST	60.023	60.00	0	33	-4188.91	-4188.91	0	144	0	144
02/02/11	9:51	MST	60.020	60.00	0	34	-3573.60	-3573.60	0	145	0	145
02/02/11	9:52	MST	60.028	60.00	0	35	-5349.15	-5349.15	0	146	0	146
02/02/11	9:53	MST	60.032	60.00	0	36	-6146.88	-6146.88	0	147	0	147
02/02/11	9:54	MST	60.023	60.00	0	37	-4356.13	-4356.13	0	148	0	148
02/02/11	9:55	MST	60.022	60.00	0	38	-4180.36	-4180.36	0	149	0	149
02/02/11	9:56	MST	60.020	60.00	0	39	-3788.56	-3788.56	0	150	0	150
02/02/11	9:57	MST	60.018	60.00	0	40	-3381.86	-3381.86	0	151	0	151
02/02/11	9:58	MST	60.021	60.00	0	41	-4090.03	-4090.03	0	152	0	152
02/02/11	9:59	MST	60.022	60.00	0	42	-4254.84	-4254.84	0	153	0	153
02/02/11	10:00	MST	60.016	60.00	0	43	-2553.54	-2553.54	0	154	0	154
02/02/11	10:01	MST	60.011	60.00	0	44	-1799.28	-1799.28	0	155	0	155
02/02/11	10:02	MST	60.011	60.00	0	45	-1993.68	-1993.68	0	156	0	156
02/02/11	10:03	MST	60.008	60.00	0	46	-1215.06	-1215.06	0	157	0	157
02/02/11	10:04	MST	60.013	60.00	0	47	-2076.07	-2076.07	0	158	0	158
02/02/11	10:05	MST	60.013	60.00	0	48	-2101.89	-2101.89	0	159	0	159

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	10:34	MST	60.020	60.00	0	21	-2886.43	-2886.43	0	188	0	188
02/02/11	10:35	MST	60.016	60.00	0	22	-2174.96	-2174.96	0	189	0	189
02/02/11	10:36	MST	60.014	60.00	0	23	-2080.60	-2080.60	0	190	0	190
02/02/11	10:37	MST	60.019	60.00	0	24	-2805.15	-2805.15	0	191	0	191
02/02/11	10:38	MST	60.011	60.00	0	25	-1443.23	-1443.23	0	192	0	192
02/02/11	10:39	MST	60.022	60.00	0	26	-2953.52	-2953.52	0	193	0	193
02/02/11	10:40	MST	60.024	60.00	0	27	-3038.56	-3038.56	0	194	0	194
02/02/11	10:41	MST	60.021	60.00	0	28	-2637.29	-2637.29	0	195	0	195
02/02/11	10:42	MST	60.022	60.00	0	29	-2845.99	-2845.99	0	196	0	196
02/02/11	10:43	MST	60.023	60.00	0	30	-3616.25	-3616.25	0	197	0	197
02/02/11	10:44	MST	60.031	60.00	0	31	-4898.02	-4898.02	0	198	0	198
02/02/11	10:45	MST	60.033	60.00	0	32	-4853.92	-4853.92	0	199	0	199
02/02/11	10:46	MST	60.033	60.00	0	33	-4591.52	-4591.52	0	200	0	200
02/02/11	10:47	MST	60.032	60.00	0	34	-4245.53	-4245.53	0	201	0	201
02/02/11	10:48	MST	60.033	60.00	0	35	-4119.22	-4119.22	0	202	0	202
02/02/11	10:49	MST	60.029	60.00	0	36	-3473.68	-3473.68	0	203	0	203
02/02/11	10:50	MST	60.027	60.00	0	37	-2887.51	-2887.51	0	204	0	204
02/02/11	10:51	MST	60.015	60.00	0	38	-1448.48	-1448.48	0	205	0	205
02/02/11	10:52	MST	60.011	60.00	0	39	-1038.28	-1038.28	0	206	0	206
02/02/11	11:34	MST	60.036	60.00	0	21	-5966.68	-5966.68	0	248	0	248
02/02/11	11:35	MST	60.037	60.00	0	22	-6141.58	-6141.58	0	249	0	249
02/02/11	11:36	MST	60.036	60.00	0	23	-6045.88	-6045.88	0	250	0	250
02/02/11	11:37	MST	60.032	60.00	0	24	-5271.51	-5271.51	0	251	0	251
02/02/11	11:38	MST	60.033	60.00	0	25	-5505.07	-5505.07	0	252	0	252
02/02/11	11:39	MST	60.030	60.00	0	26	-4975.60	-4975.60	0	253	0	253
02/02/11	11:40	MST	60.027	60.00	0	27	-4468.21	-4468.21	0	254	0	254
02/02/11	11:41	MST	60.022	60.00	0	28	-3674.19	-3674.19	0	255	0	255
02/02/11	11:42	MST	60.025	60.00	0	29	-4366.52	-4366.52	0	256	0	256
02/02/11	11:43	MST	60.025	60.00	0	30	-4010.81	-4010.81	0	257	0	257
02/02/11	11:44	MST	60.025	60.00	0	31	-3500.53	-3500.53	0	258	0	258
02/02/11	11:45	MST	60.027	60.00	0	32	-3757.18	-3757.18	0	259	0	259
02/02/11	11:46	MST	60.026	60.00	0	33	-3578.81	-3578.81	0	260	0	260
02/02/11	11:47	MST	60.023	60.00	0	34	-3107.27	-3107.27	0	261	0	261
02/02/11	11:48	MST	60.014	60.00	0	35	-1869.18	-1869.18	0	262	0	262
02/02/11	11:49	MST	60.021	60.00	0	36	-2838.57	-2838.57	0	263	0	263
02/02/11	11:50	MST	60.020	60.00	0	37	-2677.02	-2677.02	0	264	0	264
02/02/11	11:51	MST	60.016	60.00	0	38	-2104.16	-2104.16	0	265	0	265
02/02/11	11:52	MST	60.011	60.00	0	39	-1400.20	-1400.20	0	266	0	266
02/02/11	11:53	MST	60.006	60.00	0	40	-704.37	-704.37	0	267	0	267

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	12:17	MST	60.018	60.00	0	21	-2668.92	-2668.92	0	291	0	291
02/02/11	12:18	MST	60.008	60.00	0	22	-1148.26	-1148.26	0	292	0	292
02/02/11	12:19	MST	60.009	60.00	0	23	-1195.79	-1195.79	0	293	0	293
02/02/11	12:20	MST	60.011	60.00	0	24	-1611.32	-1611.32	0	294	0	294
02/02/11	12:21	MST	60.013	60.00	0	25	-1858.13	-1858.13	0	295	0	295
02/02/11	12:22	MST	60.014	60.00	0	26	-2170.88	-2170.88	0	296	0	296
02/02/11	12:23	MST	60.021	60.00	0	27	-3382.29	-3382.29	0	297	0	297
02/02/11	12:24	MST	60.014	60.00	0	28	-2047.45	-2047.45	0	298	0	298
02/02/11	12:25	MST	60.010	60.00	0	29	-1379.79	-1379.79	0	299	0	299
02/02/11	12:26	MST	60.015	60.00	0	30	-2304.25	-2304.25	0	300	0	300
02/02/11	12:27	MST	60.008	60.00	0	31	-1140.20	-1140.20	0	301	0	301
02/02/11	12:28	MST	60.008	60.00	0	32	-1144.76	-1144.76	0	302	0	302
02/02/11	12:29	MST	60.013	60.00	0	33	-1994.51	-1994.51	0	303	0	303
02/02/11	12:30	MST	60.008	60.00	0	34	-1125.75	-1125.75	0	304	0	304
02/02/11	12:31	MST	60.013	60.00	0	35	-1956.50	-1956.50	0	305	0	305
02/02/11	12:32	MST	60.009	60.00	0	36	-1331.15	-1331.15	0	306	0	306
02/02/11	12:33	MST	60.011	60.00	0	37	-1616.66	-1616.66	0	307	0	307
02/02/11	12:34	MST	60.009	60.00	0	38	-1304.77	-1304.77	0	308	0	308
02/02/11	12:35	MST	60.019	60.00	0	39	-2978.84	-2978.84	0	309	0	309
02/02/11	12:36	MST	60.013	60.00	0	40	-1993.36	-1993.36	0	310	0	310
02/02/11	12:37	MST	60.015	60.00	0	41	-2305.86	-2305.86	0	311	0	311
02/02/11	12:38	MST	60.017	60.00	0	42	-2799.11	-2799.11	0	312	0	312
02/02/11	12:39	MST	60.018	60.00	0	43	-2880.93	-2880.93	0	313	0	313
02/02/11	12:40	MST	60.017	60.00	0	44	-2672.77	-2672.77	0	314	0	314
02/02/11	12:41	MST	60.017	60.00	0	45	-2784.48	-2784.48	0	315	0	315
02/02/11	12:42	MST	60.021	60.00	0	46	-3450.52	-3450.52	0	316	0	316
02/02/11	12:43	MST	60.020	60.00	0	47	-3247.03	-3247.03	0	317	0	317
02/02/11	12:44	MST	60.026	60.00	0	48	-4353.75	-4353.75	0	318	0	318
02/02/11	12:45	MST	60.025	60.00	0	49	-4150.27	-4150.27	0	319	0	319
02/02/11	12:46	MST	60.028	60.00	0	50	-4640.16	-4640.16	0	320	0	320
02/02/11	12:47	MST	60.028	60.00	0	51	-4727.07	-4727.07	0	321	0	321
02/02/11	12:48	MST	60.027	60.00	0	52	-4404.48	-4404.48	0	322	0	322
02/02/11	12:49	MST	60.035	60.00	0	53	-5890.84	-5890.84	0	323	0	323
02/02/11	12:50	MST	60.031	60.00	0	54	-5268.99	-5268.99	0	324	0	324
02/02/11	12:51	MST	60.019	60.00	0	55	-2980.89	-2980.89	0	325	0	325
02/02/11	12:52	MST	60.011	60.00	0	56	-1650.12	-1650.12	0	326	0	326
02/02/11	12:53	MST	60.019	60.00	0	57	-2972.51	-2972.51	0	327	0	327
02/02/11	12:54	MST	60.010	60.00	0	58	-1391.75	-1391.75	0	328	0	328
02/02/11	12:55	MST	60.007	60.00	0	59	-961.78	-961.78	0	329	0	329
02/02/11	12:56	MST	60.010	60.00	0	60	-1452.32	-1452.32	0	330	0	330
02/02/11	12:57	MST	60.014	60.00	0	61	-1952.15	-1952.15	0	331	0	331
02/02/11	12:58	MST	60.011	60.00	0	62	-1514.93	-1514.93	0	332	0	332
02/02/11	12:59	MST	60.008	60.00	0	63	-1048.54	-1048.54	0	333	0	333

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	13:34	MST	60.017	60.00	0	21	-2273.83	-2273.83	0	368	0	368
02/02/11	13:35	MST	60.015	60.00	0	22	-1899.98	-1899.98	0	369	0	369
02/02/11	13:36	MST	60.009	60.00	0	23	-1001.76	-1001.76	0	370	0	370
02/02/11	13:37	MST	60.011	60.00	0	24	-1355.79	-1355.79	0	371	0	371
02/02/11	13:38	MST	60.009	60.00	0	25	-1053.53	-1053.53	0	372	0	372
02/02/11	13:39	MST	60.014	60.00	0	26	-1760.29	-1760.29	0	373	0	373
02/02/11	13:40	MST	60.014	60.00	0	27	-1935.73	-1935.73	0	374	0	374
02/02/11	13:41	MST	60.017	60.00	0	28	-2446.14	-2446.14	0	375	0	375
02/02/11	13:42	MST	60.021	60.00	0	29	-3136.27	-3136.27	0	376	0	376
02/02/11	13:43	MST	60.024	60.00	0	30	-3538.94	-3538.94	0	377	0	377
02/02/11	13:44	MST	60.019	60.00	0	31	-2592.50	-2592.50	0	378	0	378
02/02/11	13:45	MST	60.014	60.00	0	32	-1746.08	-1746.08	0	379	0	379
02/02/11	13:46	MST	60.014	60.00	0	33	-1805.60	-1805.60	0	380	0	380
02/02/11	13:47	MST	60.011	60.00	0	34	-1356.32	-1356.32	0	381	0	381
02/02/11	13:48	MST	60.014	60.00	0	35	-1733.23	-1733.23	0	382	0	382
02/02/11	13:49	MST	60.018	60.00	0	36	-2303.68	-2303.68	0	383	0	383
02/02/11	13:50	MST	60.016	60.00	0	37	-2013.29	-2013.29	0	384	0	384
02/02/11	13:51	MST	60.007	60.00	0	38	-748.17	-748.17	0	385	0	385
02/02/11	13:52	MST	60.006	60.00	0	39	-701.48	-701.48	0	386	0	386
02/02/11	18:21	MST	59.957	59.98	21	0	-1614.60	-1614.60	0	0	21	0
02/02/11	18:22	MST	59.964	59.98	22	0	-1655.40	-1655.40	0	0	22	0
02/02/11	18:23	MST	59.963	59.98	23	0	-1688.27	-1688.27	0	0	23	0
02/02/11	18:24	MST	59.970	59.98	24	0	-1059.24	-1059.24	0	0	24	0
02/02/11	23:45	MST	60.038	60.00	0	21	-2694.25	-2694.25	0	0	0	21
02/02/11	23:46	MST	60.030	60.00	0	22	-1923.87	-1923.87	0	0	0	22
02/02/11	23:47	MST	60.034	60.00	0	23	-2025.17	-2025.17	0	0	0	23
02/02/11	23:48	MST	60.031	60.00	0	24	-1621.37	-1621.37	0	0	0	24
02/02/11	23:49	MST	60.023	60.00	0	25	-1049.59	-1049.59	0	0	0	25
02/02/11	23:50	MST	60.022	60.00	0	26	-925.75	-925.75	0	0	0	26
02/03/11	0:34	MST	60.017	60.00	0	21	-904.92	-904.92	0	0	0	21
02/03/11	0:35	MST	60.023	60.00	0	22	-1310.16	-1310.16	0	0	0	22
02/03/11	0:36	MST	60.016	60.00	0	23	-839.56	-839.56	0	0	0	23
02/03/11	0:37	MST	60.014	60.00	0	24	-706.32	-706.32	0	0	0	24
02/03/11	0:38	MST	60.027	60.00	0	25	-1602.00	-1602.00	0	0	0	25
02/03/11	0:39	MST	60.028	60.00	0	26	-1655.85	-1655.85	0	0	0	26
02/03/11	0:40	MST	60.027	60.00	0	27	-1657.30	-1657.30	0	0	0	27
02/03/11	0:41	MST	60.034	60.00	0	28	-2140.38	-2140.38	0	0	0	28
02/03/11	0:42	MST	60.034	60.00	0	29	-2183.87	-2183.87	0	0	0	29
02/03/11	0:43	MST	60.042	60.00	0	30	-2760.94	-2760.94	0	0	0	30
02/03/11	0:44	MST	60.039	60.00	0	31	-2486.51	-2486.51	0	0	0	31
02/03/11	0:45	MST	60.032	60.00	0	32	-2062.12	-2062.12	0	0	0	32
02/03/11	0:46	MST	60.034	60.00	0	33	-2210.45	-2210.45	0	0	0	33
02/03/11	0:47	MST	60.026	60.00	0	34	-1626.93	-1626.93	0	0	0	34
02/03/11	0:48	MST	60.028	60.00	0	35	-1788.17	-1788.17	0	0	0	35
02/03/11	0:49	MST	60.031	60.00	0	36	-1985.48	-1985.48	0	0	0	36
02/03/11	0:50	MST	60.028	60.00	0	37	-1684.62	-1684.62	0	0	0	37
02/03/11	0:51	MST	60.021	60.00	0	38	-1108.99	-1108.99	0	0	0	38

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/03/11	15:08	MST	60.021	60.00	0	21	-1517.00	-1517.00	0	0	0	21
02/03/11	15:09	MST	60.017	60.00	0	22	-1106.53	-1106.53	0	0	0	22
02/03/11	15:10	MST	60.015	60.00	0	23	-975.51	-975.51	0	0	0	23
02/04/11	4:54	MST	59.983	60.00	21	0	-1684.53	-1684.53	25	0	25	0
02/04/11	5:48	MST	59.952	60.00	21	0	-2467.26	-2467.26	0	0	21	0
02/04/11	5:49	MST	59.949	60.00	22	0	-2649.94	-2649.94	0	0	22	0
02/04/11	5:50	MST	59.964	60.00	23	0	-1826.08	-1826.08	0	0	23	0
02/04/11	23:29	MST	59.980	60.00	21	0	-1420.57	-1420.57	0	0	21	0
02/04/11	23:30	MST	59.986	60.00	22	0	-901.51	-901.51	0	0	22	0
02/06/11	0:34	MST	60.032	60.00	0	21	-5440.20	-5440.20	0	40	0	40
02/06/11	0:35	MST	60.033	60.00	0	22	-5416.33	-5416.33	0	41	0	41
02/06/11	0:36	MST	60.022	60.00	0	23	-2491.55	-2491.55	0	42	0	42
02/06/11	0:37	MST	60.020	60.00	0	24	-2297.19	-2297.19	0	43	0	43
02/06/11	0:38	MST	60.025	60.00	0	25	-2913.95	-2913.95	0	44	0	44
02/06/11	0:39	MST	60.031	60.00	0	26	-3706.78	-3706.78	0	45	0	45
02/06/11	0:40	MST	60.033	60.00	0	27	-3980.05	-3980.05	0	46	0	46
02/06/11	0:41	MST	60.034	60.00	0	28	-4124.95	-4124.95	0	47	0	47
02/06/11	0:42	MST	60.042	60.00	0	29	-5144.23	-5144.23	0	48	0	48
02/06/11	0:43	MST	60.042	60.00	0	30	-5058.44	-5058.44	0	49	0	49
02/06/11	0:44	MST	60.043	60.00	0	31	-5313.22	-5313.22	0	50	0	50
02/06/11	0:45	MST	60.038	60.00	0	32	-4710.12	-4710.12	0	51	0	51
02/06/11	0:46	MST	60.030	60.00	0	33	-3705.10	-3705.10	0	52	0	52
02/06/11	0:47	MST	60.040	60.00	0	34	-4978.89	-4978.89	0	53	0	53
02/06/11	0:48	MST	60.041	60.00	0	35	-5114.59	-5114.59	0	54	0	54
02/06/11	0:49	MST	60.040	60.00	0	36	-4980.96	-4980.96	0	55	0	55
02/06/11	0:50	MST	60.031	60.00	0	37	-3719.66	-3719.66	0	56	0	56
02/06/11	0:51	MST	60.012	60.00	0	38	-1176.10	-1176.10	0	57	0	57
02/02/11	21:52	PST	60.020	60.00	0	21	-719.54	-719.54	0	1	0	21
02/02/11	21:53	PST	60.018	60.00	0	22	-732.33	-732.33	0	2	0	22
02/02/11	21:54	PST	60.016	60.00	0	23	-864.20	-864.20	0	3	0	23
02/02/11	21:55	PST	60.015	60.00	0	24	-756.29	-756.29	0	4	0	24
02/02/11	21:56	PST	60.035	60.00	0	25	-2025.84	-2025.84	0	5	0	25
02/02/11	21:57	PST	60.026	60.00	0	26	-1356.31	-1356.31	0	6	0	26
02/02/11	21:58	PST	60.024	60.00	0	27	-1105.63	-1105.63	0	7	0	27
02/02/11	21:59	PST	60.036	60.00	0	28	-1651.16	-1651.16	0	8	0	28
02/02/11	22:00	PST	60.045	60.00	0	29	-1877.45	-1877.45	0	9	0	29
02/02/11	22:01	PST	60.041	60.00	0	30	-1577.66	-1577.66	0	0	0	30
02/02/11	22:02	PST	60.037	60.00	0	31	-1433.18	-1433.18	0	0	0	31
02/02/11	22:03	PST	60.045	60.00	0	32	-1761.95	-1761.95	0	0	0	32
02/02/11	22:04	PST	60.056	60.00	0	33	-2127.16	-2127.16	0	0	0	33
02/02/11	22:05	PST	60.056	60.00	0	34	-1012.90	-1012.90	0	0	0	34

Statistics of BAAL being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/03/11	15:08	MST	60.021	60.00	0	21	-1517.00	-1517.00	0	0	0	21
02/03/11	15:09	MST	60.017	60.00	0	22	-1106.53	-1106.53	0	0	0	22
02/03/11	15:10	MST	60.015	60.00	0	23	-975.51	-975.51	0	0	0	23
02/04/11	4:54	MST	59.983	60.00	21	0	-1684.53	-1684.53	25	0	25	0
02/04/11	5:48	MST	59.952	60.00	21	0	-2467.26	-2467.26	0	0	21	0
02/04/11	5:49	MST	59.949	60.00	22	0	-2649.94	-2649.94	0	0	22	0
02/04/11	5:50	MST	59.964	60.00	23	0	-1826.08	-1826.08	0	0	23	0
02/04/11	23:29	MST	59.980	60.00	21	0	-1420.57	-1420.57	0	0	21	0
02/04/11	23:30	MST	59.986	60.00	22	0	-901.51	-901.51	0	0	22	0
02/06/11	0:34	MST	60.032	60.00	0	21	-5440.20	-5440.20	0	40	0	40
02/06/11	0:35	MST	60.033	60.00	0	22	-5416.33	-5416.33	0	41	0	41
02/06/11	0:36	MST	60.022	60.00	0	23	-2491.55	-2491.55	0	42	0	42
02/06/11	0:37	MST	60.020	60.00	0	24	-2297.19	-2297.19	0	43	0	43
02/06/11	0:38	MST	60.025	60.00	0	25	-2913.95	-2913.95	0	44	0	44
02/06/11	0:39	MST	60.031	60.00	0	26	-3706.78	-3706.78	0	45	0	45
02/06/11	0:40	MST	60.033	60.00	0	27	-3980.05	-3980.05	0	46	0	46
02/06/11	0:41	MST	60.034	60.00	0	28	-4124.95	-4124.95	0	47	0	47
02/06/11	0:42	MST	60.042	60.00	0	29	-5144.23	-5144.23	0	48	0	48
02/06/11	0:43	MST	60.042	60.00	0	30	-5058.44	-5058.44	0	49	0	49
02/06/11	0:44	MST	60.043	60.00	0	31	-5313.22	-5313.22	0	50	0	50
02/06/11	0:45	MST	60.038	60.00	0	32	-4710.12	-4710.12	0	51	0	51
02/06/11	0:46	MST	60.030	60.00	0	33	-3705.10	-3705.10	0	52	0	52
02/06/11	0:47	MST	60.040	60.00	0	34	-4978.89	-4978.89	0	53	0	53
02/06/11	0:48	MST	60.041	60.00	0	35	-5114.59	-5114.59	0	54	0	54
02/06/11	0:49	MST	60.040	60.00	0	36	-4980.96	-4980.96	0	55	0	55
02/06/11	0:50	MST	60.031	60.00	0	37	-3719.66	-3719.66	0	56	0	56
02/06/11	0:51	MST	60.012	60.00	0	38	-1176.10	-1176.10	0	57	0	57
02/02/11	21:52	PST	60.020	60.00	0	21	-719.54	-719.54	0	1	0	21
02/02/11	21:53	PST	60.018	60.00	0	22	-732.33	-732.33	0	2	0	22
02/02/11	21:54	PST	60.016	60.00	0	23	-864.20	-864.20	0	3	0	23
02/02/11	21:55	PST	60.015	60.00	0	24	-756.29	-756.29	0	4	0	24
02/02/11	21:56	PST	60.035	60.00	0	25	-2025.84	-2025.84	0	5	0	25
02/02/11	21:57	PST	60.026	60.00	0	26	-1356.31	-1356.31	0	6	0	26
02/02/11	21:58	PST	60.024	60.00	0	27	-1105.63	-1105.63	0	7	0	27
02/02/11	21:59	PST	60.036	60.00	0	28	-1651.16	-1651.16	0	8	0	28
02/02/11	22:00	PST	60.045	60.00	0	29	-1877.45	-1877.45	0	9	0	29
02/02/11	22:01	PST	60.041	60.00	0	30	-1577.66	-1577.66	0	0	0	30
02/02/11	22:02	PST	60.037	60.00	0	31	-1433.18	-1433.18	0	0	0	31
02/02/11	22:03	PST	60.045	60.00	0	32	-1761.95	-1761.95	0	0	0	32
02/02/11	22:04	PST	60.056	60.00	0	33	-2127.16	-2127.16	0	0	0	33
02/02/11	22:05	PST	60.056	60.00	0	34	-1012.90	-1012.90	0	0	0	34
02/09/11	6:23	PST	59.954	60.00	21	0	-1586.65	-1586.65	21	0	21	0
02/09/11	6:24	PST	59.966	60.00	22	0	-931.54	-931.54	22	0	22	0
02/09/11	6:25	PST	59.967	60.00	23	0	-742.40	-742.40	23	0	23	0
02/03/11	18:33	MST	59.956	59.98	21	0	-394.36	-889.66	0	0	21	0

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	3:12	MST	60.02	60.00	0	19	-12808.95	-12808.95	0	21	0	21
02/05/11	2:10	MST	59.98	60.00	6	0	-10243.58	-10243.58	21	0	21	0
02/05/11	2:11	MST	59.99	60.00	7	0	-6018.45	-6018.45	22	0	22	0
02/05/11	2:12	MST	59.99	60.00	8	0	-4689.71	-4689.71	23	0	23	0
02/05/11	2:13	MST	59.99	60.00	9	0	-3470.77	-3470.77	24	0	24	0
02/12/11	19:50	MST	60.01	60.00	0	0	3828.41	3828.41	21	0	21	0
02/12/11	19:51	MST	60.02	60.00	0	0	5243.25	5243.25	22	0	22	0
02/12/11	19:52	MST	60.02	60.00	0	0	7241.79	7241.79	23	0	23	0
02/12/11	19:53	MST	60.01	60.00	0	0	3468.74	3468.74	24	0	24	0
02/12/11	19:54	MST	60.01	60.00	0	0	3496.46	3496.46	25	0	25	0
02/13/11	1:04	MST	60.03	60.00	0	4	-8445.90	-8445.90	0	21	0	21
02/14/11	18:54	MST	59.98	60.00	0	0	19165.27	19165.27	0	21	0	21
02/14/11	18:55	MST	59.97	60.00	0	0	18308.91	18308.91	0	22	0	22
02/14/11	18:56	MST	59.98	60.00	0	0	11309.86	11309.86	0	23	0	23
02/14/11	18:57	MST	59.98	60.00	0	0	10517.69	10517.69	0	24	0	24
02/14/11	18:58	MST	59.99	60.00	0	0	4765.71	4765.71	0	25	0	25
02/14/11	18:59	MST	60.00	60.00	0	0	2712.85	2712.85	0	26	0	26
02/14/11	21:59	MST	59.99	60.00	7	0	-2173.99	-2173.99	21	0	21	0
02/14/11	22:00	MST	59.99	60.00	8	0	-2534.20	-2534.20	22	0	22	0
02/14/11	22:01	MST	60.00	60.00	9	0	-773.19	-773.19	23	0	23	0
02/14/11	22:02	MST	59.99	60.00	10	0	-2374.72	-2374.72	24	0	24	0
02/14/11	22:03	MST	59.99	60.00	11	0	-2544.48	-2544.48	25	0	25	0
02/21/11	21:18	MST	59.99	60.00	4	0	-6933.28	-6933.28	21	0	21	0
02/21/11	21:19	MST	59.99	60.00	5	0	-6638.89	-6638.89	22	0	22	0
02/21/11	21:20	MST	59.99	60.00	6	0	-6252.67	-6252.67	23	0	23	0
02/21/11	21:21	MST	59.99	60.00	7	0	-6563.86	-6563.86	24	0	24	0
02/21/11	21:22	MST	59.98	60.00	8	0	-9903.78	-9903.78	25	0	25	0
02/21/11	23:44	MST	60.04	60.00	0	0	15550.83	15550.83	21	0	21	0
02/22/11	0:21	MST	60.01	60.00	0	0	7658.02	7658.02	21	0	21	0
02/28/11	9:10	MST	59.99	60.00	11	0	-8482.61	-8482.61	21	0	21	0

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	5:14	MST	60.02	60.00	0	12	-2945.99	-2945.99	0	21	0	21
02/02/11	5:15	MST	60.02	60.00	0	13	-2429.88	-2429.88	0	22	0	22
02/02/11	5:16	MST	60.02	60.00	0	14	-3001.40	-3001.40	0	23	0	23
02/02/11	5:17	MST	60.01	60.00	0	15	-2033.40	-2033.40	0	24	0	24
02/02/11	5:18	MST	60.01	60.00	0	16	-778.66	-778.66	0	25	0	25
02/02/11	5:19	MST	60.01	60.00	0	17	-1639.16	-1639.16	0	26	0	26
02/02/11	5:20	MST	60.01	60.00	0	18	-933.47	-933.47	0	27	0	27
02/02/11	5:21	MST	60.01	60.00	0	19	-789.35	-789.35	0	28	0	28
02/02/11	5:22	MST	60.00	60.00	0	0	-286.94	-286.94	0	29	0	29
02/02/11	5:23	MST	60.00	60.00	0	0	-64.91	-64.91	0	30	0	30
02/02/11	5:24	MST	60.00	60.00	0	0	-260.17	-260.17	0	31	0	31
02/02/11	5:25	MST	60.01	60.00	0	1	-700.17	-700.17	0	32	0	32
02/02/11	5:26	MST	60.00	60.00	0	0	-281.20	-281.20	0	33	0	33
02/02/11	5:27	MST	60.00	60.00	0	0	-297.83	-297.83	0	34	0	34
02/02/11	5:28	MST	60.00	60.00	0	0	916.88	916.88	0	35	0	35
02/02/11	5:29	MST	60.00	60.00	0	0	705.22	705.22	0	36	0	36
02/02/11	5:30	MST	59.98	60.00	0	0	2998.92	2998.92	0	37	0	37
02/02/11	5:31	MST	59.99	60.00	0	0	2007.44	2007.44	0	38	0	38
02/02/11	5:32	MST	59.99	60.00	0	0	1495.19	1495.19	0	39	0	39
02/02/11	5:33	MST	59.98	60.00	0	0	2457.32	2457.32	0	40	0	40
02/02/11	5:34	MST	59.98	60.00	0	0	2580.49	2580.49	0	41	0	41
02/02/11	5:35	MST	59.98	60.00	0	0	3446.20	3446.20	0	42	0	42
02/02/11	5:36	MST	59.97	60.00	0	0	4531.43	4531.43	0	43	0	43
02/02/11	5:37	MST	59.97	60.00	0	0	4466.77	4466.77	0	44	0	44
02/02/11	5:38	MST	59.97	60.00	0	0	4893.34	4893.34	0	45	0	45
02/02/11	5:39	MST	59.96	60.00	0	0	5458.15	5458.15	0	46	0	46
02/02/11	5:40	MST	59.97	60.00	0	0	4881.61	4881.61	0	47	0	47
02/02/11	5:41	MST	59.98	60.00	0	0	3403.05	3403.05	0	48	0	48
02/02/11	5:42	MST	59.98	60.00	0	0	2984.54	2984.54	0	49	0	49
02/02/11	5:43	MST	59.99	60.00	0	0	2068.47	2068.47	0	50	0	50
02/02/11	5:44	MST	59.99	60.00	0	0	2277.03	2277.03	0	51	0	51
02/02/11	5:45	MST	59.99	60.00	0	0	2250.39	2250.39	0	52	0	52
02/02/11	5:46	MST	59.98	60.00	0	0	2385.65	2385.65	0	53	0	53
02/02/11	5:47	MST	59.99	60.00	0	0	2133.62	2133.62	0	54	0	54
02/02/11	5:48	MST	59.99	60.00	0	0	1889.59	1889.59	0	55	0	55
02/02/11	5:49	MST	59.99	60.00	0	0	1216.94	1216.94	0	56	0	56
02/02/11	5:50	MST	59.98	60.00	0	0	2549.79	2549.79	0	57	0	57
02/02/11	5:51	MST	60.00	60.00	0	0	289.75	289.75	0	58	0	58
02/02/11	5:52	MST	60.01	60.00	0	1	-1131.32	-1131.32	0	59	0	59
02/02/11	5:53	MST	60.03	60.00	0	2	-3696.47	-3696.47	0	60	0	60
02/02/11	5:54	MST	60.04	60.00	0	3	-3717.04	-3717.04	0	61	0	61
02/02/11	5:55	MST	60.04	60.00	0	4	-4251.19	-4251.19	0	62	0	62
02/02/11	5:56	MST	60.04	60.00	0	5	-4014.06	-4014.06	0	63	0	63
02/02/11	5:57	MST	60.04	60.00	0	6	-3803.61	-3803.61	0	64	0	64

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	6:21	MST	59.99	60.00	0	0	1428.91	1428.91	0	21	0	88
02/02/11	6:22	MST	59.95	60.00	0	0	5608.74	5608.74	0	22	0	89
02/02/11	6:23	MST	59.96	60.00	0	0	4643.05	4643.05	0	23	0	90
02/02/11	6:24	MST	59.97	60.00	0	0	3414.69	3414.69	0	24	0	91
02/02/11	6:25	MST	59.98	60.00	0	0	2693.77	2693.77	0	25	0	92
02/02/11	6:26	MST	59.98	60.00	0	0	2047.94	2047.94	0	26	0	93
02/02/11	6:27	MST	59.98	60.00	0	0	2032.67	2032.67	0	27	0	94
02/02/11	6:28	MST	59.99	60.00	0	0	1696.83	1696.83	0	28	0	95
02/02/11	6:29	MST	59.99	60.00	0	0	1301.75	1301.75	0	29	0	96
02/02/11	6:30	MST	60.00	60.00	0	0	128.89	128.89	0	30	0	97
02/02/11	6:31	MST	60.00	60.00	0	0	-228.94	-228.94	0	31	0	98
02/02/11	6:32	MST	60.00	60.00	0	0	235.53	235.53	0	32	0	99
02/02/11	6:33	MST	60.00	60.00	0	0	-254.73	-254.73	0	33	0	100
02/02/11	7:47	MST	59.98	60.00	0	0	3841.37	3841.37	0	21	0	21
02/02/11	7:48	MST	59.98	60.00	0	0	4070.91	4070.91	0	22	0	22
02/02/11	7:49	MST	59.98	60.00	0	0	3898.53	3898.53	0	23	0	23
02/02/11	7:50	MST	59.99	60.00	0	0	2589.04	2589.04	0	24	0	24
02/02/11	7:51	MST	60.01	60.00	0	1	-859.53	-859.53	0	25	0	25
02/02/11	7:52	MST	60.01	60.00	0	2	-2551.94	-2551.94	0	26	0	26
02/02/11	7:53	MST	60.01	60.00	0	3	-2643.18	-2643.18	0	27	0	27
02/02/11	7:54	MST	60.02	60.00	0	4	-3545.50	-3545.50	0	28	0	28
02/02/11	7:55	MST	60.01	60.00	0	5	-1095.97	-1095.97	0	29	0	29
02/02/11	7:56	MST	60.01	60.00	0	6	-1699.22	-1699.22	0	30	0	30
02/02/11	7:57	MST	60.01	60.00	0	7	-1199.47	-1199.47	0	31	0	31
02/02/11	7:58	MST	60.00	60.00	0	0	461.22	461.22	0	32	0	32
02/02/11	7:59	MST	60.00	60.00	0	0	700.60	700.60	0	33	0	33
02/02/11	8:00	MST	60.00	60.00	0	0	723.74	723.74	0	34	0	34
02/02/11	8:01	MST	60.00	60.00	0	0	457.03	457.03	0	35	0	35
02/02/11	8:02	MST	59.99	60.00	0	0	1818.35	1818.35	0	36	0	36
02/02/11	8:03	MST	60.00	60.00	0	0	1057.34	1057.34	0	37	0	37
02/02/11	8:04	MST	60.00	60.00	0	0	-545.98	-545.98	0	38	0	38
02/02/11	8:05	MST	60.01	60.00	0	1	-1317.37	-1317.37	0	39	0	39
02/02/11	8:06	MST	60.01	60.00	0	2	-2305.83	-2305.83	0	40	0	40
02/02/11	8:07	MST	60.01	60.00	0	3	-1865.30	-1865.30	0	41	0	41
02/02/11	8:08	MST	60.00	60.00	0	0	1173.42	1173.42	0	42	0	42
02/02/11	8:09	MST	60.00	60.00	0	0	1108.97	1108.97	0	43	0	43
02/02/11	8:10	MST	60.00	60.00	0	0	-223.89	-223.89	0	44	0	44
02/02/11	8:11	MST	60.00	60.00	0	0	662.94	662.94	0	45	0	45
02/02/11	8:12	MST	59.99	60.00	0	0	3004.31	3004.31	0	46	0	46
02/02/11	8:13	MST	59.99	60.00	0	0	2692.77	2692.77	0	47	0	47

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	8:14	MST	60.00	60.00	0	0	195.16	195.16	0	48	0	48
02/02/11	8:15	MST	60.00	60.00	0	1	-1056.69	-1056.69	0	49	0	49
02/02/11	8:16	MST	60.00	60.00	0	0	17.84	17.84	0	50	0	50
02/02/11	8:17	MST	60.00	60.00	0	1	-1002.48	-1002.48	0	51	0	51
02/02/11	8:18	MST	60.00	60.00	0	0	932.32	932.32	0	52	0	52
02/02/11	8:19	MST	60.01	60.00	0	1	-4445.49	-4445.49	0	53	0	53
02/02/11	8:20	MST	60.01	60.00	0	2	-3190.99	-3190.99	0	54	0	54
02/02/11	8:21	MST	60.01	60.00	0	3	-4754.23	-4754.23	0	55	0	55
02/02/11	8:22	MST	60.02	60.00	0	4	-5815.35	-5815.35	0	56	0	56
02/02/11	8:23	MST	60.02	60.00	0	5	-8284.86	-8284.86	0	57	0	57
02/02/11	8:24	MST	60.02	60.00	0	6	-6985.60	-6985.60	0	58	0	58
02/02/11	8:25	MST	60.01	60.00	0	7	-4331.71	-4331.71	0	59	0	59
02/02/11	8:26	MST	60.01	60.00	0	8	-4265.27	-4265.27	0	60	0	60
02/02/11	8:27	MST	60.02	60.00	0	9	-5134.62	-5134.62	0	61	0	61
02/02/11	8:28	MST	60.01	60.00	0	10	-2901.90	-2901.90	0	62	0	62
02/02/11	8:29	MST	60.01	60.00	0	11	-3781.70	-3781.70	0	63	0	63
02/02/11	8:30	MST	60.01	60.00	0	12	-3114.26	-3114.26	0	64	0	64
02/02/11	8:31	MST	60.01	60.00	0	13	-2218.08	-2218.08	0	65	0	65
02/02/11	8:32	MST	60.01	60.00	0	14	-1699.01	-1699.01	0	66	0	66
02/02/11	8:33	MST	60.01	60.00	0	15	-1821.44	-1821.44	0	67	0	67
02/02/11	8:34	MST	60.01	60.00	0	16	-994.67	-994.67	0	68	0	68
02/02/11	8:35	MST	60.02	60.00	0	17	-3214.88	-3214.88	0	69	0	69
02/02/11	8:36	MST	60.01	60.00	0	18	-2763.00	-2763.00	0	70	0	70
02/02/11	8:37	MST	60.01	60.00	0	19	-1708.81	-1708.81	0	71	0	71
02/02/11	8:38	MST	60.02	60.00	0	20	-3399.92	-3399.92	0	72	0	72
02/02/11	8:39	MST	60.01	60.00	0	21	-1994.15	-1994.15	0	73	0	73
02/02/11	8:40	MST	60.02	60.00	0	22	-3439.72	-3439.72	0	74	0	74
02/02/11	8:41	MST	60.02	60.00	0	23	-3825.02	-3825.02	0	75	0	75
02/02/11	8:42	MST	60.02	60.00	0	24	-3925.38	-3925.38	0	76	0	76
02/02/11	8:43	MST	60.02	60.00	0	25	-3606.18	-3606.18	0	77	0	77
02/02/11	8:44	MST	60.02	60.00	0	26	-4636.72	-4636.72	0	78	0	78
02/02/11	8:45	MST	60.03	60.00	0	27	-4800.31	-4800.31	0	79	0	79
02/02/11	8:46	MST	60.03	60.00	0	28	-5654.77	-5654.77	0	80	0	80
02/02/11	8:47	MST	60.03	60.00	0	29	-6063.08	-6063.08	0	81	0	81
02/02/11	8:48	MST	60.03	60.00	0	30	-5736.48	-5736.48	0	82	0	82
02/02/11	8:49	MST	60.03	60.00	0	31	-5818.31	-5818.31	0	83	0	83
02/02/11	8:50	MST	60.03	60.00	0	32	-6088.70	-6088.70	0	84	0	84
02/02/11	8:51	MST	60.03	60.00	0	33	-5320.36	-5320.36	0	85	0	85
02/02/11	8:52	MST	60.03	60.00	0	34	-7210.85	-7210.85	0	86	0	86
02/02/11	8:53	MST	60.02	60.00	0	35	-5131.30	-5131.30	0	87	0	87

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	8:54	MST	60.02	60.00	0	36	-4956.15	-4956.15	0	88	0	88
02/02/11	8:55	MST	60.03	60.00	0	37	-5731.93	-5731.93	0	89	0	89
02/02/11	8:56	MST	60.02	60.00	0	38	-5271.26	-5271.26	0	90	0	90
02/02/11	8:57	MST	60.02	60.00	0	39	-3997.98	-3997.98	0	91	0	91
02/02/11	8:58	MST	60.01	60.00	0	40	-999.57	-999.57	0	92	0	92
02/02/11	8:59	MST	60.00	60.00	0	0	-417.54	-417.54	0	93	0	93
02/02/11	9:00	MST	60.00	60.00	0	0	-475.97	-475.97	0	94	0	94
02/02/11	9:01	MST	60.00	60.00	0	0	944.38	944.38	0	95	0	95
02/02/11	9:02	MST	59.99	60.00	0	0	2155.99	2155.99	0	96	0	96
02/02/11	9:03	MST	60.00	60.00	0	0	288.31	288.31	0	97	0	97
02/02/11	9:04	MST	60.01	60.00	0	1	-1446.99	-1446.99	0	98	0	98
02/02/11	9:05	MST	60.00	60.00	0	0	-510.20	-510.20	0	99	0	99
02/02/11	9:06	MST	59.99	60.00	0	0	1754.12	1754.12	0	100	0	100
02/02/11	9:07	MST	60.00	60.00	0	0	923.65	923.65	0	101	0	101
02/02/11	9:08	MST	59.99	60.00	0	0	2068.43	2068.43	0	102	0	102
02/02/11	9:09	MST	59.99	60.00	0	0	1679.21	1679.21	0	103	0	103
02/02/11	9:10	MST	59.99	60.00	0	0	1160.78	1160.78	0	104	0	104
02/02/11	9:11	MST	60.00	60.00	0	0	-148.69	-148.69	0	105	0	105
02/02/11	9:12	MST	60.01	60.00	0	1	-1608.27	-1608.27	0	106	0	106
02/02/11	9:13	MST	60.01	60.00	0	2	-1824.89	-1824.89	0	107	0	107
02/02/11	9:14	MST	60.00	60.00	0	0	63.98	63.98	0	108	0	108
02/02/11	9:15	MST	60.00	60.00	0	0	-77.12	-77.12	0	109	0	109
02/02/11	9:16	MST	60.00	60.00	0	0	688.34	688.34	0	110	0	110
02/02/11	9:17	MST	60.00	60.00	0	0	507.15	507.15	0	111	0	111
02/02/11	9:18	MST	60.01	60.00	0	1	-1392.29	-1392.29	0	112	0	112
02/02/11	9:19	MST	60.01	60.00	0	2	-2532.73	-2532.73	0	113	0	113
02/02/11	9:20	MST	60.02	60.00	0	3	-2800.96	-2800.96	0	114	0	114
02/02/11	9:21	MST	60.01	60.00	0	4	-2693.92	-2693.92	0	115	0	115
02/02/11	9:22	MST	60.02	60.00	0	5	-2814.07	-2814.07	0	116	0	116
02/02/11	9:23	MST	60.01	60.00	0	6	-1331.52	-1331.52	0	117	0	117
02/02/11	9:24	MST	60.02	60.00	0	7	-3359.98	-3359.98	0	118	0	118
02/02/11	9:25	MST	60.02	60.00	0	8	-3507.33	-3507.33	0	119	0	119
02/02/11	9:26	MST	60.02	60.00	0	9	-4094.64	-4094.64	0	120	0	120
02/02/11	9:27	MST	60.02	60.00	0	10	-3853.87	-3853.87	0	121	0	121
02/02/11	9:28	MST	60.02	60.00	0	11	-4133.41	-4133.41	0	122	0	122
02/02/11	9:29	MST	60.02	60.00	0	12	-4360.11	-4360.11	0	123	0	123
02/02/11	9:30	MST	60.02	60.00	0	13	-4683.73	-4683.73	0	124	0	124
02/02/11	9:31	MST	60.02	60.00	0	14	-5378.03	-5378.03	0	125	0	125
02/02/11	9:32	MST	60.02	60.00	0	15	-5962.81	-5962.81	0	126	0	126
02/02/11	9:33	MST	60.03	60.00	0	16	-6623.78	-6623.78	0	127	0	127

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	9:34	MST	60.02	60.00	0	17	-4744.41	-4744.41	0	128	0	128
02/02/11	9:35	MST	60.03	60.00	0	18	-4988.25	-4988.25	0	129	0	129
02/02/11	9:36	MST	60.03	60.00	0	19	-4940.59	-4940.59	0	130	0	130
02/02/11	9:37	MST	60.03	60.00	0	20	-4939.98	-4939.98	0	131	0	131
02/02/11	9:38	MST	60.02	60.00	0	21	-4068.52	-4068.52	0	132	0	132
02/02/11	9:39	MST	60.02	60.00	0	22	-3740.47	-3740.47	0	133	0	133
02/02/11	9:40	MST	60.02	60.00	0	23	-3320.02	-3320.02	0	134	0	134
02/02/11	9:41	MST	60.02	60.00	0	24	-3864.88	-3864.88	0	135	0	135
02/02/11	9:42	MST	60.02	60.00	0	25	-2811.45	-2811.45	0	136	0	136
02/02/11	9:43	MST	60.02	60.00	0	26	-2970.97	-2970.97	0	137	0	137
02/02/11	9:44	MST	60.03	60.00	0	27	-5299.87	-5299.87	0	138	0	138
02/02/11	9:45	MST	60.03	60.00	0	28	-6164.91	-6164.91	0	139	0	139
02/02/11	9:46	MST	60.03	60.00	0	29	-4894.04	-4894.04	0	140	0	140
02/02/11	9:47	MST	60.03	60.00	0	30	-5646.96	-5646.96	0	141	0	141
02/02/11	9:48	MST	60.02	60.00	0	31	-4109.16	-4109.16	0	142	0	142
02/02/11	9:49	MST	60.03	60.00	0	32	-5827.20	-5827.20	0	143	0	143
02/02/11	9:50	MST	60.02	60.00	0	33	-4188.91	-4188.91	0	144	0	144
02/02/11	9:51	MST	60.02	60.00	0	34	-3573.60	-3573.60	0	145	0	145
02/02/11	9:52	MST	60.03	60.00	0	35	-5349.15	-5349.15	0	146	0	146
02/02/11	9:53	MST	60.03	60.00	0	36	-6146.88	-6146.88	0	147	0	147
02/02/11	9:54	MST	60.02	60.00	0	37	-4356.13	-4356.13	0	148	0	148
02/02/11	9:55	MST	60.02	60.00	0	38	-4180.36	-4180.36	0	149	0	149
02/02/11	9:56	MST	60.02	60.00	0	39	-3788.56	-3788.56	0	150	0	150
02/02/11	9:57	MST	60.02	60.00	0	40	-3381.86	-3381.86	0	151	0	151
02/02/11	9:58	MST	60.02	60.00	0	41	-4090.03	-4090.03	0	152	0	152
02/02/11	9:59	MST	60.02	60.00	0	42	-4254.84	-4254.84	0	153	0	153
02/02/11	10:00	MST	60.02	60.00	0	43	-2553.54	-2553.54	0	154	0	154
02/02/11	10:01	MST	60.01	60.00	0	44	-1799.28	-1799.28	0	155	0	155
02/02/11	10:02	MST	60.01	60.00	0	45	-1993.68	-1993.68	0	156	0	156
02/02/11	10:03	MST	60.01	60.00	0	46	-1215.06	-1215.06	0	157	0	157
02/02/11	10:04	MST	60.01	60.00	0	47	-2076.07	-2076.07	0	158	0	158
02/02/11	10:05	MST	60.01	60.00	0	48	-2101.89	-2101.89	0	159	0	159
02/02/11	10:06	MST	59.97	60.00	0	0	5359.34	5359.34	0	160	0	160
02/02/11	10:07	MST	59.99	60.00	0	0	2311.63	2311.63	0	161	0	161
02/02/11	10:08	MST	59.98	60.00	0	0	2789.00	2789.00	0	162	0	162
02/02/11	10:09	MST	59.99	60.00	0	0	1626.05	1626.05	0	163	0	163
02/02/11	10:10	MST	60.00	60.00	0	0	970.46	970.46	0	164	0	164
02/02/11	10:11	MST	60.00	60.00	0	0	786.93	786.93	0	165	0	165
02/02/11	10:12	MST	60.00	60.00	0	0	399.93	399.93	0	166	0	166
02/02/11	10:13	MST	60.01	60.00	0	0	-629.34	-629.34	0	167	0	167

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	10:14	MST	60.01	60.00	0	1	-1841.69	-1841.69	0	168	0	168
02/02/11	10:15	MST	60.01	60.00	0	2	-1492.57	-1492.57	0	169	0	169
02/02/11	10:16	MST	60.02	60.00	0	3	-2312.41	-2312.41	0	170	0	170
02/02/11	10:17	MST	60.01	60.00	0	4	-1519.12	-1519.12	0	171	0	171
02/02/11	10:18	MST	60.01	60.00	0	5	-2080.73	-2080.73	0	172	0	172
02/02/11	10:19	MST	60.02	60.00	0	6	-2281.30	-2281.30	0	173	0	173
02/02/11	10:20	MST	60.01	60.00	0	7	-995.18	-995.18	0	174	0	174
02/02/11	10:21	MST	60.01	60.00	0	8	-1178.48	-1178.48	0	175	0	175
02/02/11	10:22	MST	60.01	60.00	0	9	-1833.08	-1833.08	0	176	0	176
02/02/11	10:23	MST	60.02	60.00	0	10	-2401.65	-2401.65	0	177	0	177
02/02/11	10:24	MST	60.01	60.00	0	11	-2057.33	-2057.33	0	178	0	178
02/02/11	10:25	MST	60.01	60.00	0	12	-1910.13	-1910.13	0	179	0	179
02/02/11	10:26	MST	60.02	60.00	0	13	-2757.18	-2757.18	0	180	0	180
02/02/11	10:27	MST	60.01	60.00	0	14	-1900.84	-1900.84	0	181	0	181
02/02/11	10:28	MST	60.02	60.00	0	15	-2880.31	-2880.31	0	182	0	182
02/02/11	10:29	MST	60.02	60.00	0	16	-3458.10	-3458.10	0	183	0	183
02/02/11	10:30	MST	60.03	60.00	0	17	-3964.70	-3964.70	0	184	0	184
02/02/11	10:31	MST	60.03	60.00	0	18	-4454.86	-4454.86	0	185	0	185
02/02/11	10:32	MST	60.03	60.00	0	19	-4133.54	-4133.54	0	186	0	186
02/02/11	10:33	MST	60.02	60.00	0	20	-3121.86	-3121.86	0	187	0	187
02/02/11	10:34	MST	60.02	60.00	0	21	-2886.43	-2886.43	0	188	0	188
02/02/11	10:35	MST	60.02	60.00	0	22	-2174.96	-2174.96	0	189	0	189
02/02/11	10:36	MST	60.01	60.00	0	23	-2080.60	-2080.60	0	190	0	190
02/02/11	10:37	MST	60.02	60.00	0	24	-2805.15	-2805.15	0	191	0	191
02/02/11	10:38	MST	60.01	60.00	0	25	-1443.23	-1443.23	0	192	0	192
02/02/11	10:39	MST	60.02	60.00	0	26	-2953.52	-2953.52	0	193	0	193
02/02/11	10:40	MST	60.02	60.00	0	27	-3038.56	-3038.56	0	194	0	194
02/02/11	10:41	MST	60.02	60.00	0	28	-2637.29	-2637.29	0	195	0	195
02/02/11	10:42	MST	60.02	60.00	0	29	-2845.99	-2845.99	0	196	0	196
02/02/11	10:43	MST	60.02	60.00	0	30	-3616.25	-3616.25	0	197	0	197
02/02/11	10:44	MST	60.03	60.00	0	31	-4898.02	-4898.02	0	198	0	198
02/02/11	10:45	MST	60.03	60.00	0	32	-4853.92	-4853.92	0	199	0	199
02/02/11	10:46	MST	60.03	60.00	0	33	-4591.52	-4591.52	0	200	0	200
02/02/11	10:47	MST	60.03	60.00	0	34	-4245.53	-4245.53	0	201	0	201
02/02/11	10:48	MST	60.03	60.00	0	35	-4119.22	-4119.22	0	202	0	202
02/02/11	10:49	MST	60.03	60.00	0	36	-3473.68	-3473.68	0	203	0	203
02/02/11	10:50	MST	60.03	60.00	0	37	-2887.51	-2887.51	0	204	0	204
02/02/11	10:51	MST	60.01	60.00	0	38	-1448.48	-1448.48	0	205	0	205
02/02/11	10:52	MST	60.01	60.00	0	39	-1038.28	-1038.28	0	206	0	206
02/02/11	10:53	MST	60.01	60.00	0	0	-519.75	-519.75	0	207	0	207

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	10:54	MST	60.00	60.00	0	0	-38.67	-38.67	0	208	0	208
02/02/11	10:55	MST	60.00	60.00	0	0	42.55	42.55	0	209	0	209
02/02/11	10:56	MST	60.00	60.00	0	0	26.17	26.17	0	210	0	210
02/02/11	10:57	MST	60.00	60.00	0	0	-124.99	-124.99	0	211	0	211
02/02/11	10:58	MST	60.01	60.00	0	1	-1781.70	-1781.70	0	212	0	212
02/02/11	10:59	MST	60.01	60.00	0	2	-1302.73	-1302.73	0	213	0	213
02/02/11	11:00	MST	60.02	60.00	0	3	-2871.67	-2871.67	0	214	0	214
02/02/11	11:01	MST	60.02	60.00	0	4	-2822.40	-2822.40	0	215	0	215
02/02/11	11:02	MST	60.02	60.00	0	5	-2559.64	-2559.64	0	216	0	216
02/02/11	11:03	MST	60.01	60.00	0	6	-877.34	-877.34	0	217	0	217
02/02/11	11:04	MST	60.00	60.00	0	0	-282.02	-282.02	0	218	0	218
02/02/11	11:05	MST	60.00	60.00	0	0	230.79	230.79	0	219	0	219
02/02/11	11:06	MST	60.01	60.00	0	1	-1343.17	-1343.17	0	220	0	220
02/02/11	11:07	MST	60.01	60.00	0	2	-945.62	-945.62	0	221	0	221
02/02/11	11:08	MST	60.01	60.00	0	3	-1885.77	-1885.77	0	222	0	222
02/02/11	11:09	MST	60.01	60.00	0	4	-1764.56	-1764.56	0	223	0	223
02/02/11	11:10	MST	60.00	60.00	0	0	-667.19	-667.19	0	224	0	224
02/02/11	11:11	MST	60.00	60.00	0	0	-486.32	-486.32	0	225	0	225
02/02/11	11:12	MST	60.01	60.00	0	1	-1691.44	-1691.44	0	226	0	226
02/02/11	11:13	MST	59.99	60.00	0	0	1427.23	1427.23	0	227	0	227
02/02/11	11:14	MST	60.01	60.00	0	1	-892.56	-892.56	0	228	0	228
02/02/11	11:15	MST	60.01	60.00	0	2	-2532.82	-2532.82	0	229	0	229
02/02/11	11:16	MST	60.01	60.00	0	3	-2286.59	-2286.59	0	230	0	230
02/02/11	11:17	MST	60.01	60.00	0	4	-1094.56	-1094.56	0	231	0	231
02/02/11	11:18	MST	60.01	60.00	0	5	-1079.92	-1079.92	0	232	0	232
02/02/11	11:19	MST	60.01	60.00	0	6	-1898.59	-1898.59	0	233	0	233
02/02/11	11:20	MST	60.01	60.00	0	7	-2093.80	-2093.80	0	234	0	234
02/02/11	11:21	MST	60.01	60.00	0	8	-2719.46	-2719.46	0	235	0	235
02/02/11	11:22	MST	60.02	60.00	0	9	-4015.95	-4015.95	0	236	0	236
02/02/11	11:23	MST	60.02	60.00	0	10	-4557.82	-4557.82	0	237	0	237
02/02/11	11:24	MST	60.03	60.00	0	11	-5419.81	-5419.81	0	238	0	238
02/02/11	11:25	MST	60.02	60.00	0	12	-4489.22	-4489.22	0	239	0	239
02/02/11	11:26	MST	60.03	60.00	0	13	-4576.83	-4576.83	0	240	0	240
02/02/11	11:27	MST	60.03	60.00	0	14	-4337.27	-4337.27	0	241	0	241
02/02/11	11:28	MST	60.03	60.00	0	15	-5321.35	-5321.35	0	242	0	242
02/02/11	11:29	MST	60.03	60.00	0	16	-5294.46	-5294.46	0	243	0	243
02/02/11	11:30	MST	60.03	60.00	0	17	-4626.06	-4626.06	0	244	0	244
02/02/11	11:31	MST	60.03	60.00	0	18	-5071.82	-5071.82	0	245	0	245
02/02/11	11:32	MST	60.04	60.00	0	19	-6705.44	-6705.44	0	246	0	246
02/02/11	11:33	MST	60.04	60.00	0	20	-6470.72	-6470.72	0	247	0	247

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	11:34	MST	60.04	60.00	0	21	-5966.68	-5966.68	0	248	0	248
02/02/11	11:35	MST	60.04	60.00	0	22	-6141.58	-6141.58	0	249	0	249
02/02/11	11:36	MST	60.04	60.00	0	23	-6045.88	-6045.88	0	250	0	250
02/02/11	11:37	MST	60.03	60.00	0	24	-5271.51	-5271.51	0	251	0	251
02/02/11	11:38	MST	60.03	60.00	0	25	-5505.07	-5505.07	0	252	0	252
02/02/11	11:39	MST	60.03	60.00	0	26	-4975.60	-4975.60	0	253	0	253
02/02/11	11:40	MST	60.03	60.00	0	27	-4468.21	-4468.21	0	254	0	254
02/02/11	11:41	MST	60.02	60.00	0	28	-3674.19	-3674.19	0	255	0	255
02/02/11	11:42	MST	60.03	60.00	0	29	-4366.52	-4366.52	0	256	0	256
02/02/11	11:43	MST	60.03	60.00	0	30	-4010.81	-4010.81	0	257	0	257
02/02/11	11:44	MST	60.02	60.00	0	31	-3500.53	-3500.53	0	258	0	258
02/02/11	11:45	MST	60.03	60.00	0	32	-3757.18	-3757.18	0	259	0	259
02/02/11	11:46	MST	60.03	60.00	0	33	-3578.81	-3578.81	0	260	0	260
02/02/11	11:47	MST	60.02	60.00	0	34	-3107.27	-3107.27	0	261	0	261
02/02/11	11:48	MST	60.01	60.00	0	35	-1869.18	-1869.18	0	262	0	262
02/02/11	11:49	MST	60.02	60.00	0	36	-2838.57	-2838.57	0	263	0	263
02/02/11	11:50	MST	60.02	60.00	0	37	-2677.02	-2677.02	0	264	0	264
02/02/11	11:51	MST	60.02	60.00	0	38	-2104.16	-2104.16	0	265	0	265
02/02/11	11:52	MST	60.01	60.00	0	39	-1400.20	-1400.20	0	266	0	266
02/02/11	11:53	MST	60.01	60.00	0	40	-704.37	-704.37	0	267	0	267
02/02/11	11:54	MST	60.00	60.00	0	0	119.88	119.88	0	268	0	268
02/02/11	11:55	MST	60.00	60.00	0	0	166.97	166.97	0	269	0	269
02/02/11	11:56	MST	60.00	60.00	0	0	-431.08	-431.08	0	270	0	270
02/02/11	11:57	MST	60.01	60.00	0	1	-1315.76	-1315.76	0	271	0	271
02/02/11	11:58	MST	60.01	60.00	0	2	-2138.42	-2138.42	0	272	0	272
02/02/11	11:59	MST	60.02	60.00	0	3	-2476.85	-2476.85	0	273	0	273
02/02/11	12:00	MST	60.02	60.00	0	4	-3676.44	-3676.44	0	274	0	274
02/02/11	12:01	MST	60.02	60.00	0	5	-4292.63	-4292.63	0	275	0	275
02/02/11	12:02	MST	60.02	60.00	0	6	-3203.31	-3203.31	0	276	0	276
02/02/11	12:03	MST	60.02	60.00	0	7	-3105.68	-3105.68	0	277	0	277
02/02/11	12:04	MST	60.01	60.00	0	8	-2408.96	-2408.96	0	278	0	278
02/02/11	12:05	MST	60.02	60.00	0	9	-2733.96	-2733.96	0	279	0	279
02/02/11	12:06	MST	60.02	60.00	0	10	-2816.34	-2816.34	0	280	0	280
02/02/11	12:07	MST	60.02	60.00	0	11	-3728.47	-3728.47	0	281	0	281
02/02/11	12:08	MST	60.02	60.00	0	12	-3076.14	-3076.14	0	282	0	282
02/02/11	12:09	MST	60.02	60.00	0	13	-3585.57	-3585.57	0	283	0	283
02/02/11	12:10	MST	60.01	60.00	0	14	-1963.02	-1963.02	0	284	0	284
02/02/11	12:11	MST	60.01	60.00	0	15	-2482.21	-2482.21	0	285	0	285
02/02/11	12:12	MST	60.02	60.00	0	16	-3026.03	-3026.03	0	286	0	286
02/02/11	12:13	MST	60.01	60.00	0	17	-2021.77	-2021.77	0	287	0	287

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	12:14	MST	60.01	60.00	0	18	-1838.96	-1838.96	0	288	0	288
02/02/11	12:15	MST	60.01	60.00	0	19	-2218.91	-2218.91	0	289	0	289
02/02/11	12:16	MST	60.01	60.00	0	20	-1650.26	-1650.26	0	290	0	290
02/02/11	12:17	MST	60.02	60.00	0	21	-2668.92	-2668.92	0	291	0	291
02/02/11	12:18	MST	60.01	60.00	0	22	-1148.26	-1148.26	0	292	0	292
02/02/11	12:19	MST	60.01	60.00	0	23	-1195.79	-1195.79	0	293	0	293
02/02/11	12:20	MST	60.01	60.00	0	24	-1611.32	-1611.32	0	294	0	294
02/02/11	12:21	MST	60.01	60.00	0	25	-1858.13	-1858.13	0	295	0	295
02/02/11	12:22	MST	60.01	60.00	0	26	-2170.88	-2170.88	0	296	0	296
02/02/11	12:23	MST	60.02	60.00	0	27	-3382.29	-3382.29	0	297	0	297
02/02/11	12:24	MST	60.01	60.00	0	28	-2047.45	-2047.45	0	298	0	298
02/02/11	12:25	MST	60.01	60.00	0	29	-1379.79	-1379.79	0	299	0	299
02/02/11	12:26	MST	60.02	60.00	0	30	-2304.25	-2304.25	0	300	0	300
02/02/11	12:27	MST	60.01	60.00	0	31	-1140.20	-1140.20	0	301	0	301
02/02/11	12:28	MST	60.01	60.00	0	32	-1144.76	-1144.76	0	302	0	302
02/02/11	12:29	MST	60.01	60.00	0	33	-1994.51	-1994.51	0	303	0	303
02/02/11	12:30	MST	60.01	60.00	0	34	-1125.75	-1125.75	0	304	0	304
02/02/11	12:31	MST	60.01	60.00	0	35	-1956.50	-1956.50	0	305	0	305
02/02/11	12:32	MST	60.01	60.00	0	36	-1331.15	-1331.15	0	306	0	306
02/02/11	12:33	MST	60.01	60.00	0	37	-1616.66	-1616.66	0	307	0	307
02/02/11	12:34	MST	60.01	60.00	0	38	-1304.77	-1304.77	0	308	0	308
02/02/11	12:35	MST	60.02	60.00	0	39	-2978.84	-2978.84	0	309	0	309
02/02/11	12:36	MST	60.01	60.00	0	40	-1993.36	-1993.36	0	310	0	310
02/02/11	12:37	MST	60.01	60.00	0	41	-2305.86	-2305.86	0	311	0	311
02/02/11	12:38	MST	60.02	60.00	0	42	-2799.11	-2799.11	0	312	0	312
02/02/11	12:39	MST	60.02	60.00	0	43	-2880.93	-2880.93	0	313	0	313
02/02/11	12:40	MST	60.02	60.00	0	44	-2672.77	-2672.77	0	314	0	314
02/02/11	12:41	MST	60.02	60.00	0	45	-2784.48	-2784.48	0	315	0	315
02/02/11	12:42	MST	60.02	60.00	0	46	-3450.52	-3450.52	0	316	0	316
02/02/11	12:43	MST	60.02	60.00	0	47	-3247.03	-3247.03	0	317	0	317
02/02/11	12:44	MST	60.03	60.00	0	48	-4353.75	-4353.75	0	318	0	318
02/02/11	12:45	MST	60.03	60.00	0	49	-4150.27	-4150.27	0	319	0	319
02/02/11	12:46	MST	60.03	60.00	0	50	-4640.16	-4640.16	0	320	0	320
02/02/11	12:47	MST	60.03	60.00	0	51	-4727.07	-4727.07	0	321	0	321
02/02/11	12:48	MST	60.03	60.00	0	52	-4404.48	-4404.48	0	322	0	322
02/02/11	12:49	MST	60.03	60.00	0	53	-5890.84	-5890.84	0	323	0	323
02/02/11	12:50	MST	60.03	60.00	0	54	-5268.99	-5268.99	0	324	0	324
02/02/11	12:51	MST	60.02	60.00	0	55	-2980.89	-2980.89	0	325	0	325
02/02/11	12:52	MST	60.01	60.00	0	56	-1650.12	-1650.12	0	326	0	326
02/02/11	12:53	MST	60.02	60.00	0	57	-2972.51	-2972.51	0	327	0	327
02/02/11	12:54	MST	60.01	60.00	0	58	-1391.75	-1391.75	0	328	0	328

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	12:55	MST	60.01	60.00	0	59	-961.78	-961.78	0	329	0	329
02/02/11	12:56	MST	60.01	60.00	0	60	-1452.32	-1452.32	0	330	0	330
02/02/11	12:57	MST	60.01	60.00	0	61	-1952.15	-1952.15	0	331	0	331
02/02/11	12:58	MST	60.01	60.00	0	62	-1514.93	-1514.93	0	332	0	332
02/02/11	12:59	MST	60.01	60.00	0	63	-1048.54	-1048.54	0	333	0	333
02/02/11	13:00	MST	60.01	60.00	0	0	-621.18	-621.18	0	334	0	334
02/02/11	13:01	MST	60.01	60.00	0	1	-1611.47	-1611.47	0	335	0	335
02/02/11	13:02	MST	60.01	60.00	0	0	-678.42	-678.42	0	336	0	336
02/02/11	13:03	MST	60.00	60.00	0	0	840.95	840.95	0	337	0	337
02/02/11	13:04	MST	59.99	60.00	0	0	1217.19	1217.19	0	338	0	338
02/02/11	13:05	MST	59.99	60.00	0	0	928.37	928.37	0	339	0	339
02/02/11	13:06	MST	59.99	60.00	0	0	1079.64	1079.64	0	340	0	340
02/02/11	13:07	MST	60.00	60.00	0	0	280.14	280.14	0	341	0	341
02/02/11	13:08	MST	60.00	60.00	0	0	-72.03	-72.03	0	342	0	342
02/02/11	13:09	MST	60.01	60.00	0	0	-506.88	-506.88	0	343	0	343
02/02/11	13:10	MST	60.01	60.00	0	1	-714.51	-714.51	0	344	0	344
02/02/11	13:11	MST	60.00	60.00	0	0	-135.14	-135.14	0	345	0	345
02/02/11	13:12	MST	60.01	60.00	0	1	-702.97	-702.97	0	346	0	346
02/02/11	13:13	MST	60.00	60.00	0	0	-261.14	-261.14	0	347	0	347
02/02/11	13:14	MST	60.01	60.00	0	1	-909.44	-909.44	0	348	0	348
02/02/11	13:15	MST	60.01	60.00	0	2	-1043.90	-1043.90	0	349	0	349
02/02/11	13:16	MST	60.01	60.00	0	3	-1083.49	-1083.49	0	350	0	350
02/02/11	13:17	MST	60.02	60.00	0	4	-1900.20	-1900.20	0	351	0	351
02/02/11	13:18	MST	60.01	60.00	0	5	-1225.26	-1225.26	0	352	0	352
02/02/11	13:19	MST	60.02	60.00	0	6	-1835.84	-1835.84	0	353	0	353
02/02/11	13:20	MST	60.02	60.00	0	7	-2665.84	-2665.84	0	354	0	354
02/02/11	13:21	MST	60.02	60.00	0	8	-2574.34	-2574.34	0	355	0	355
02/02/11	13:22	MST	60.02	60.00	0	9	-2686.15	-2686.15	0	356	0	356
02/02/11	13:23	MST	60.02	60.00	0	10	-3077.37	-3077.37	0	357	0	357
02/02/11	13:24	MST	60.02	60.00	0	11	-2312.80	-2312.80	0	358	0	358
02/02/11	13:25	MST	60.02	60.00	0	12	-2692.37	-2692.37	0	359	0	359
02/02/11	13:26	MST	60.02	60.00	0	13	-2949.40	-2949.40	0	360	0	360
02/02/11	13:27	MST	60.02	60.00	0	14	-2676.16	-2676.16	0	361	0	361
02/02/11	13:28	MST	60.02	60.00	0	15	-3148.74	-3148.74	0	362	0	362
02/02/11	13:29	MST	60.03	60.00	0	16	-4178.10	-4178.10	0	363	0	363
02/02/11	13:30	MST	60.02	60.00	0	17	-3430.31	-3430.31	0	364	0	364
02/02/11	13:31	MST	60.02	60.00	0	18	-3424.73	-3424.73	0	365	0	365
02/02/11	13:32	MST	60.03	60.00	0	19	-3854.88	-3854.88	0	366	0	366
02/02/11	13:33	MST	60.02	60.00	0	20	-2692.75	-2692.75	0	367	0	367
02/02/11	13:34	MST	60.02	60.00	0	21	-2273.83	-2273.83	0	368	0	368

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	13:35	MST	60.01	60.00	0	22	-1899.98	-1899.98	0	369	0	369
02/02/11	13:36	MST	60.01	60.00	0	23	-1001.76	-1001.76	0	370	0	370
02/02/11	13:37	MST	60.01	60.00	0	24	-1355.79	-1355.79	0	371	0	371
02/02/11	13:38	MST	60.01	60.00	0	25	-1053.53	-1053.53	0	372	0	372
02/02/11	13:39	MST	60.01	60.00	0	26	-1760.29	-1760.29	0	373	0	373
02/02/11	13:40	MST	60.01	60.00	0	27	-1935.73	-1935.73	0	374	0	374
02/02/11	13:41	MST	60.02	60.00	0	28	-2446.14	-2446.14	0	375	0	375
02/02/11	13:42	MST	60.02	60.00	0	29	-3136.27	-3136.27	0	376	0	376
02/02/11	13:43	MST	60.02	60.00	0	30	-3538.94	-3538.94	0	377	0	377
02/02/11	13:44	MST	60.02	60.00	0	31	-2592.50	-2592.50	0	378	0	378
02/02/11	13:45	MST	60.01	60.00	0	32	-1746.08	-1746.08	0	379	0	379
02/02/11	13:46	MST	60.01	60.00	0	33	-1805.60	-1805.60	0	380	0	380
02/02/11	13:47	MST	60.01	60.00	0	34	-1356.32	-1356.32	0	381	0	381
02/02/11	13:48	MST	60.01	60.00	0	35	-1733.23	-1733.23	0	382	0	382
02/02/11	13:49	MST	60.02	60.00	0	36	-2303.68	-2303.68	0	383	0	383
02/02/11	13:50	MST	60.02	60.00	0	37	-2013.29	-2013.29	0	384	0	384
02/02/11	13:51	MST	60.01	60.00	0	38	-748.17	-748.17	0	385	0	385
02/02/11	13:52	MST	60.01	60.00	0	39	-701.48	-701.48	0	386	0	386
02/02/11	13:53	MST	59.99	60.00	0	0	924.34	924.34	0	387	0	387
02/02/11	13:54	MST	60.00	60.00	0	0	-139.31	-139.31	0	388	0	388
02/02/11	13:55	MST	60.01	60.00	0	0	-542.50	-542.50	0	389	0	389
02/02/11	13:56	MST	60.00	60.00	0	0	-353.28	-353.28	0	390	0	390
02/02/11	13:57	MST	60.00	60.00	0	0	18.13	18.13	0	391	0	391
02/02/11	13:58	MST	60.00	60.00	0	0	-338.63	-338.63	0	392	0	392
02/02/11	13:59	MST	60.00	60.00	0	0	-498.15	-498.15	0	393	0	393
02/02/11	14:00	MST	60.01	60.00	0	1	-838.23	-838.23	0	394	0	394
02/02/11	14:01	MST	60.00	60.00	0	0	385.34	385.34	0	395	0	395
02/02/11	14:02	MST	60.00	60.00	0	0	582.06	582.06	0	396	0	396
02/02/11	14:03	MST	59.99	60.00	0	0	2196.19	2196.19	0	397	0	397
02/02/11	14:04	MST	59.99	60.00	0	0	1867.72	1867.72	0	398	0	398
02/02/11	14:05	MST	59.98	60.00	0	0	3021.88	3021.88	0	399	0	399
02/02/11	14:06	MST	59.99	60.00	0	0	2117.86	2117.86	0	400	0	400
02/02/11	14:07	MST	59.98	60.00	0	0	3010.50	3010.50	0	401	0	401
02/02/11	14:08	MST	59.98	60.00	0	0	2302.41	2302.41	0	402	0	402
02/02/11	14:09	MST	59.98	60.00	0	0	2306.41	2306.41	0	403	0	403
02/02/11	14:10	MST	59.98	60.00	0	0	2357.76	2357.76	0	404	0	404
02/02/11	14:11	MST	59.99	60.00	0	0	1737.67	1737.67	0	405	0	405
02/02/11	14:12	MST	59.99	60.00	0	0	1868.23	1868.23	0	406	0	406
02/02/11	14:13	MST	59.98	60.00	0	0	2429.60	2429.60	0	407	0	407
02/02/11	14:14	MST	59.99	60.00	0	0	2021.43	2021.43	0	408	0	408

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/02/11	14:15	MST	59.99	60.00	0	0	1741.43	1741.43	0	409	0	409
02/02/11	14:16	MST	59.99	60.00	0	0	1900.74	1900.74	0	410	0	410
02/02/11	14:17	MST	59.99	60.00	0	0	2045.12	2045.12	0	411	0	411
02/02/11	14:18	MST	59.98	60.00	0	0	2965.30	2965.30	0	412	0	412
02/02/11	14:19	MST	59.98	60.00	0	0	2749.19	2749.19	0	413	0	413
02/02/11	14:20	MST	59.98	60.00	0	0	3023.92	3023.92	0	414	0	414
02/02/11	14:21	MST	59.98	60.00	0	0	2423.17	2423.17	0	415	0	415
02/02/11	14:22	MST	59.99	60.00	0	0	1320.09	1320.09	0	416	0	416
02/02/11	14:23	MST	59.98	60.00	0	0	2625.40	2625.40	0	417	0	417
02/02/11	14:24	MST	59.98	60.00	0	0	2335.98	2335.98	0	418	0	418
02/02/11	14:25	MST	59.99	60.00	0	0	2027.61	2027.61	0	419	0	419
02/02/11	14:26	MST	59.99	60.00	0	0	1886.70	1886.70	0	420	0	420
02/02/11	14:27	MST	59.99	60.00	0	0	1303.03	1303.03	0	421	0	421
02/02/11	14:28	MST	59.99	60.00	0	0	980.63	980.63	0	422	0	422
02/02/11	14:29	MST	59.99	60.00	0	0	1282.58	1282.58	0	423	0	423
02/02/11	14:30	MST	59.99	60.00	0	0	1573.00	1573.00	0	424	0	424
02/02/11	14:31	MST	60.00	60.00	0	0	551.44	551.44	0	425	0	425
02/02/11	14:32	MST	60.00	60.00	0	0	-447.04	-447.04	0	426	0	426
02/02/11	14:33	MST	60.00	60.00	0	0	-295.02	-295.02	0	427	0	427
02/02/11	14:34	MST	60.00	60.00	0	0	118.45	118.45	0	428	0	428
02/02/11	14:35	MST	59.99	59.98	0	0	1319.35	1319.35	0	429	0	429
02/02/11	14:36	MST	59.98	59.98	0	0	2169.94	2169.94	0	430	0	430
02/02/11	14:37	MST	60.00	59.98	0	0	-282.36	-282.36	0	431	0	431
02/02/11	14:38	MST	59.98	59.98	0	0	2942.21	2942.21	0	432	0	432
02/02/11	14:39	MST	59.98	59.98	0	0	2834.37	2834.37	0	433	0	433
02/02/11	14:40	MST	59.98	59.98	0	0	2946.19	2946.19	0	434	0	434
02/02/11	14:41	MST	59.98	59.98	0	0	3029.70	3029.70	0	435	0	435
02/02/11	14:42	MST	59.98	59.98	0	0	3019.80	3019.80	0	436	0	436
02/02/11	14:43	MST	59.99	59.98	0	0	2043.42	2043.42	0	437	0	437
02/02/11	14:44	MST	59.97	59.98	0	0	3898.52	3898.52	0	438	0	438
02/02/11	14:45	MST	59.98	59.98	0	0	1926.39	1926.39	0	439	0	439
02/02/11	20:01	MST	59.99	60.00	1	0	-796.08	-796.08	21	0	23	0
02/02/11	20:02	MST	60.00	60.00	0	0	-7.23	-7.23	22	0	24	0
02/02/11	20:03	MST	60.00	60.00	0	0	89.60	89.60	23	0	25	0
02/02/11	20:04	MST	60.00	60.00	0	0	42.17	42.17	24	0	26	0
02/02/11	20:05	MST	60.00	60.00	0	0	278.38	278.38	25	0	27	0
02/02/11	20:06	MST	60.00	60.00	0	0	-150.95	-150.95	26	0	28	0

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/03/11	17:16	MST	60.00	59.98	0	0	637.32	637.32	0	21	0	21
02/03/11	17:17	MST	59.99	59.98	0	0	1319.67	1319.67	0	22	0	22
02/03/11	17:18	MST	59.99	59.98	0	0	1773.84	1773.84	0	23	0	23
02/03/11	17:19	MST	59.98	59.98	0	0	2882.14	2882.14	0	24	0	24
02/03/11	17:20	MST	59.98	59.98	0	0	3106.69	3106.69	0	25	0	25
02/03/11	17:21	MST	59.97	59.98	0	0	3540.69	3540.69	0	26	0	26
02/03/11	17:22	MST	59.98	59.98	0	0	3339.22	3339.22	0	27	0	27
02/03/11	17:23	MST	59.98	59.98	0	0	2772.39	2772.39	0	28	0	28
02/03/11	17:24	MST	59.98	59.98	0	0	3303.87	3303.87	0	29	0	29
02/03/11	17:25	MST	59.97	59.98	0	0	4305.62	4305.62	0	30	0	30
02/03/11	17:26	MST	59.97	59.98	0	0	3849.00	3849.00	0	31	0	31
02/03/11	17:27	MST	59.97	59.98	0	0	3361.12	3361.12	0	32	0	32
02/03/11	17:28	MST	59.97	59.98	0	0	4062.58	4062.58	0	33	0	33
02/03/11	17:29	MST	59.97	59.98	0	0	4067.13	4067.13	0	34	0	34
02/03/11	17:30	MST	59.97	59.98	0	0	3740.61	3740.61	0	35	0	35
02/03/11	17:31	MST	59.97	59.98	0	0	4399.27	4399.27	0	36	0	36
02/03/11	17:32	MST	59.98	59.98	0	0	4479.32	4479.32	0	37	0	37
02/03/11	17:33	MST	59.98	59.98	0	0	4861.26	4861.26	0	38	0	38
02/03/11	17:34	MST	59.98	59.98	0	0	5630.28	5630.28	0	39	0	39
02/03/11	17:35	MST	59.98	59.98	0	0	4806.83	4806.83	0	40	0	40
02/03/11	17:36	MST	59.97	59.98	0	0	6908.26	6908.26	0	41	0	41
02/03/11	17:37	MST	59.98	59.98	0	0	5888.80	5888.80	0	42	0	42
02/03/11	17:38	MST	59.98	59.98	0	0	5244.19	5244.19	0	43	0	43
02/03/11	17:39	MST	59.97	59.98	0	0	7286.18	7286.18	0	44	0	44
02/03/11	17:40	MST	59.97	59.98	0	0	6369.45	6369.45	0	45	0	45
02/03/11	17:41	MST	59.97	59.98	0	0	6840.80	6840.80	0	46	0	46
02/03/11	17:42	MST	59.97	59.98	0	0	7584.81	7584.81	0	47	0	47
02/03/11	17:43	MST	59.98	59.98	0	0	5457.69	5457.69	0	48	0	48
02/03/11	17:44	MST	59.96	59.98	0	0	8216.77	8216.77	0	49	0	49
02/03/11	17:45	MST	59.97	59.98	0	0	6517.11	6517.11	0	50	0	50
02/03/11	17:46	MST	59.96	59.98	0	0	7832.08	7832.08	0	51	0	51
02/03/11	17:47	MST	59.97	59.98	0	0	7074.36	7074.36	0	52	0	52
02/03/11	17:48	MST	59.96	59.98	0	0	8164.25	8164.25	0	53	0	53
02/03/11	17:49	MST	59.97	59.98	0	0	7140.88	7140.88	0	54	0	54
02/03/11	17:50	MST	59.98	59.98	0	0	4922.16	4922.16	0	55	0	55
02/03/11	17:51	MST	59.99	59.98	0	0	1257.51	1257.51	0	56	0	56
02/03/11	17:52	MST	59.98	59.98	0	0	3846.24	3846.24	0	57	0	57
02/03/11	17:53	MST	60.00	59.98	0	0	-241.69	-241.69	0	58	0	58
02/03/11	17:54	MST	60.01	59.98	0	1	-1127.11	-1127.11	0	59	0	59
02/03/11	17:55	MST	60.01	59.98	0	2	-1134.46	-1134.46	0	60	0	60
02/03/11	17:56	MST	60.00	59.98	0	0	-15.37	-15.37	0	61	0	61
02/03/11	17:57	MST	60.00	59.98	0	0	867.05	867.05	0	62	0	62
02/03/11	17:58	MST	59.99	59.98	0	0	2152.02	2152.02	0	63	0	63
02/03/11	17:59	MST	59.99	59.98	0	0	1052.77	1052.77	0	64	0	64
02/03/11	18:00	MST	59.99	59.98	0	0	1043.65	1043.65	0	65	0	65

Statistics of ATL (4 x L₁₀) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/04/11	4:50	MST	59.97	60.00	17	0	-4171.19	-4171.19	21	0	21	0
02/04/11	4:51	MST	59.97	60.00	18	0	-4936.80	-4936.80	22	0	22	0
02/04/11	4:52	MST	59.97	60.00	19	0	-3755.83	-3755.83	23	0	23	0
02/04/11	4:53	MST	59.97	60.00	20	0	-3615.68	-3615.68	24	0	24	0
02/04/11	4:54	MST	59.98	60.00	21	0	-1684.53	-1684.53	25	0	25	0
02/06/11	0:15	MST	60.01	60.00	0	2	-1502.50	-1502.50	0	21	0	21
02/06/11	0:16	MST	60.01	60.00	0	3	-1588.43	-1588.43	0	22	0	22
02/06/11	0:17	MST	60.01	60.00	0	4	-726.74	-726.74	0	23	0	23
02/06/11	0:18	MST	60.02	60.00	0	5	-2438.64	-2438.64	0	24	0	24
02/06/11	0:19	MST	60.01	60.00	0	6	-1659.31	-1659.31	0	25	0	25
02/06/11	0:20	MST	60.03	60.00	0	7	-4104.55	-4104.55	0	26	0	26
02/06/11	0:21	MST	60.02	60.00	0	8	-3456.09	-3456.09	0	27	0	27
02/06/11	0:22	MST	60.03	60.00	0	9	-4042.38	-4042.38	0	28	0	28
02/06/11	0:23	MST	60.02	60.00	0	10	-3429.87	-3429.87	0	29	0	29
02/06/11	0:24	MST	60.02	60.00	0	11	-3954.58	-3954.58	0	30	0	30
02/06/11	0:25	MST	60.03	60.00	0	12	-4893.23	-4893.23	0	31	0	31
02/06/11	0:26	MST	60.02	60.00	0	13	-3457.21	-3457.21	0	32	0	32
02/06/11	0:27	MST	60.02	60.00	0	14	-3709.54	-3709.54	0	33	0	33
02/06/11	0:28	MST	60.02	60.00	0	15	-3966.66	-3966.66	0	34	0	34
02/06/11	0:29	MST	60.03	60.00	0	16	-5580.59	-5580.59	0	35	0	35
02/06/11	0:30	MST	60.04	60.00	0	17	-6223.35	-6223.35	0	36	0	36
02/06/11	0:31	MST	60.04	60.00	0	18	-6042.99	-6042.99	0	37	0	37
02/06/11	0:32	MST	60.03	60.00	0	19	-5900.87	-5900.87	0	38	0	38
02/06/11	0:33	MST	60.03	60.00	0	20	-5705.86	-5705.86	0	39	0	39
02/06/11	0:34	MST	60.03	60.00	0	21	-5440.20	-5440.20	0	40	0	40
02/06/11	0:35	MST	60.03	60.00	0	22	-5416.33	-5416.33	0	41	0	41
02/06/11	0:36	MST	60.02	60.00	0	23	-2491.55	-2491.55	0	42	0	42
02/06/11	0:37	MST	60.02	60.00	0	24	-2297.19	-2297.19	0	43	0	43
02/06/11	0:38	MST	60.02	60.00	0	25	-2913.95	-2913.95	0	44	0	44
02/06/11	0:39	MST	60.03	60.00	0	26	-3706.78	-3706.78	0	45	0	45
02/06/11	0:40	MST	60.03	60.00	0	27	-3980.05	-3980.05	0	46	0	46
02/06/11	0:41	MST	60.03	60.00	0	28	-4124.95	-4124.95	0	47	0	47
02/06/11	0:42	MST	60.04	60.00	0	29	-5144.23	-5144.23	0	48	0	48
02/06/11	0:43	MST	60.04	60.00	0	30	-5058.44	-5058.44	0	49	0	49
02/06/11	0:44	MST	60.04	60.00	0	31	-5313.22	-5313.22	0	50	0	50
02/06/11	0:45	MST	60.04	60.00	0	32	-4710.12	-4710.12	0	51	0	51
02/06/11	0:46	MST	60.03	60.00	0	33	-3705.10	-3705.10	0	52	0	52
02/06/11	0:47	MST	60.04	60.00	0	34	-4978.89	-4978.89	0	53	0	53
02/06/11	0:48	MST	60.04	60.00	0	35	-5114.59	-5114.59	0	54	0	54
02/06/11	0:49	MST	60.04	60.00	0	36	-4980.96	-4980.96	0	55	0	55
02/06/11	0:50	MST	60.03	60.00	0	37	-3719.66	-3719.66	0	56	0	56
02/06/11	0:51	MST	60.01	60.00	0	38	-1176.10	-1176.10	0	57	0	57
02/06/11	0:52	MST	60.01	60.00	0	0	-423.13	-423.13	0	58	0	58
02/06/11	0:53	MST	60.00	60.00	0	0	-250.40	-250.40	0	59	0	59
02/06/11	0:54	MST	60.00	60.00	0	0	15.99	15.99	0	60	0	60

Statistics of ATL ($4 \times L_{10}$) being exceeded > 20 consecutive clock-minutes :

Date	Time	TimeZone	ActualFreq	SchedFreq	MinCtLow	MinCtHigh	CPS1	ACPS1	MinCtLow2	MinCtHigh2	LowLimitCt	HighLimitCt
02/15/11	15:55	PST	60.00	60.00	0	0	-17.30	-17.30	0	21	0	21
02/15/11	15:56	PST	60.01	60.00	0	0	-116.39	-116.39	0	22	0	22
02/15/11	15:57	PST	60.02	60.00	0	0	-571.86	-571.86	0	23	0	23
02/07/11	6:12	PST	60.03	60.00	0	19	-823.77	-823.77	0	21	0	21
02/07/11	6:13	PST	60.02	60.00	0	0	-386.28	-386.28	0	22	0	22
02/07/11	6:14	PST	60.01	60.00	0	0	-86.88	-86.88	0	23	0	23
02/07/11	17:18	PST	60.03	60.00	0	0	-293.53	-293.53	0	21	0	21
02/07/11	17:19	PST	60.03	60.00	0	0	-354.84	-354.84	0	22	0	22
02/07/11	17:20	PST	60.03	60.00	0	0	-347.78	-347.78	0	23	0	23
02/07/11	17:21	PST	60.02	60.00	0	0	-119.00	-119.00	0	24	0	24
02/09/11	6:23	PST	59.95	60.00	21	0	-1586.65	-1586.65	21	0	21	0
02/09/11	6:24	PST	59.97	60.00	22	0	-931.54	-931.54	22	0	22	0
02/09/11	6:25	PST	59.97	60.00	23	0	-742.40	-742.40	23	0	23	0
02/09/11	6:26	PST	59.97	60.00	0	0	-549.23	-549.23	24	0	24	0
02/09/11	6:27	PST	59.97	60.00	0	0	-539.91	-539.91	25	0	25	0
02/09/11	6:28	PST	59.98	60.00	0	0	-243.93	-243.93	26	0	26	0
02/20/11	16:21	PST	60.01	60.00	0	0	-29.58	-29.58	0	21	0	21
02/20/11	16:22	PST	60.00	60.00	0	0	131.25	131.25	0	22	0	22
02/20/11	17:18	PST	60.01	60.00	0	0	9.38	9.38	0	21	0	21
02/17/11	5:25	PST	60.00	60.00	0	0	415.49	415.49	0	21	0	21

EXAMPLE 1

02/09/2011 ending 06:17 PST

1 minute duration below FTL_{Low}

Clock-Minute Average Frequency

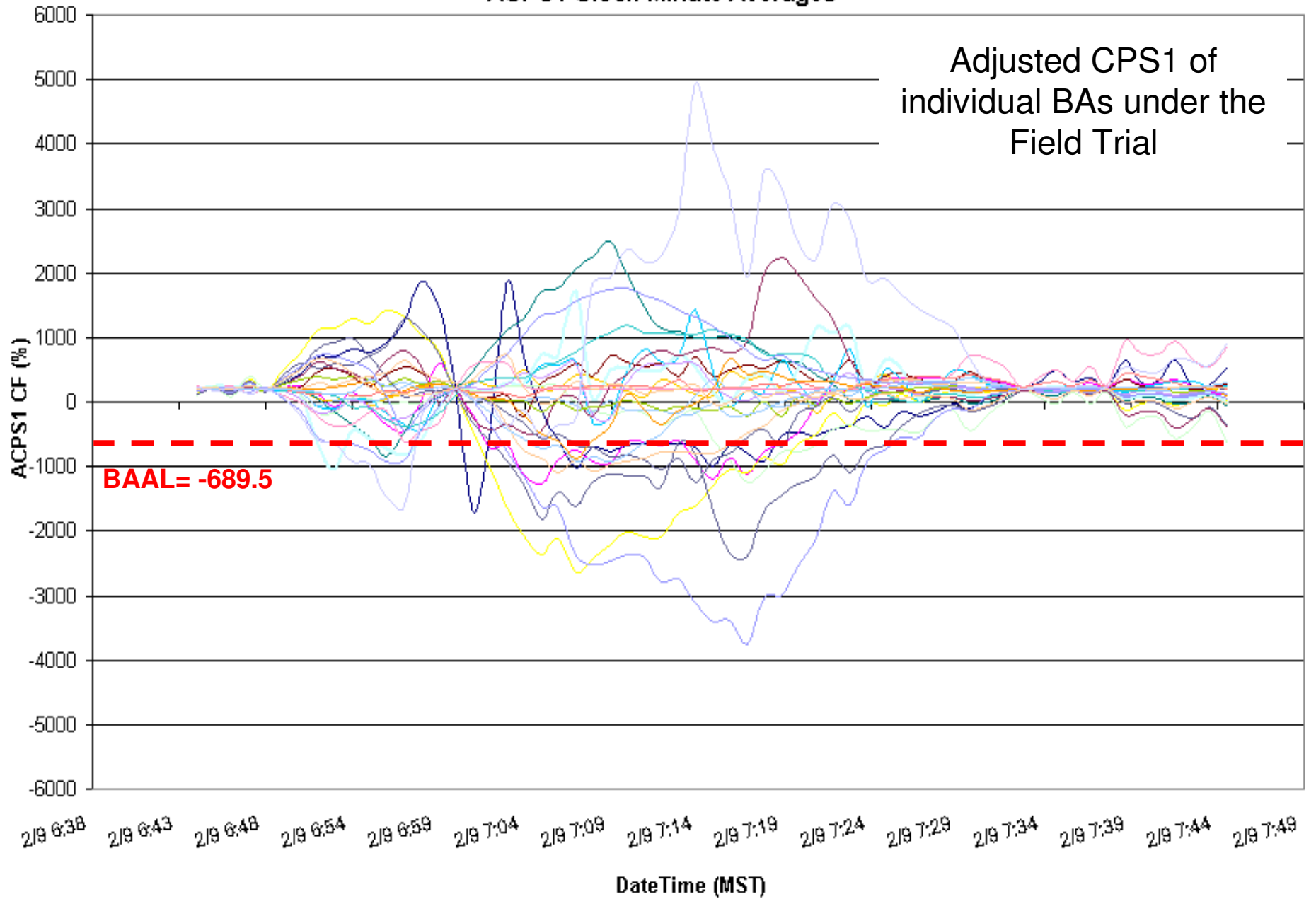


Clock-minute Actual Frequency of Participants

02/09/2011 ending 06:17 PST

1 minute duration below FTL_{Low}

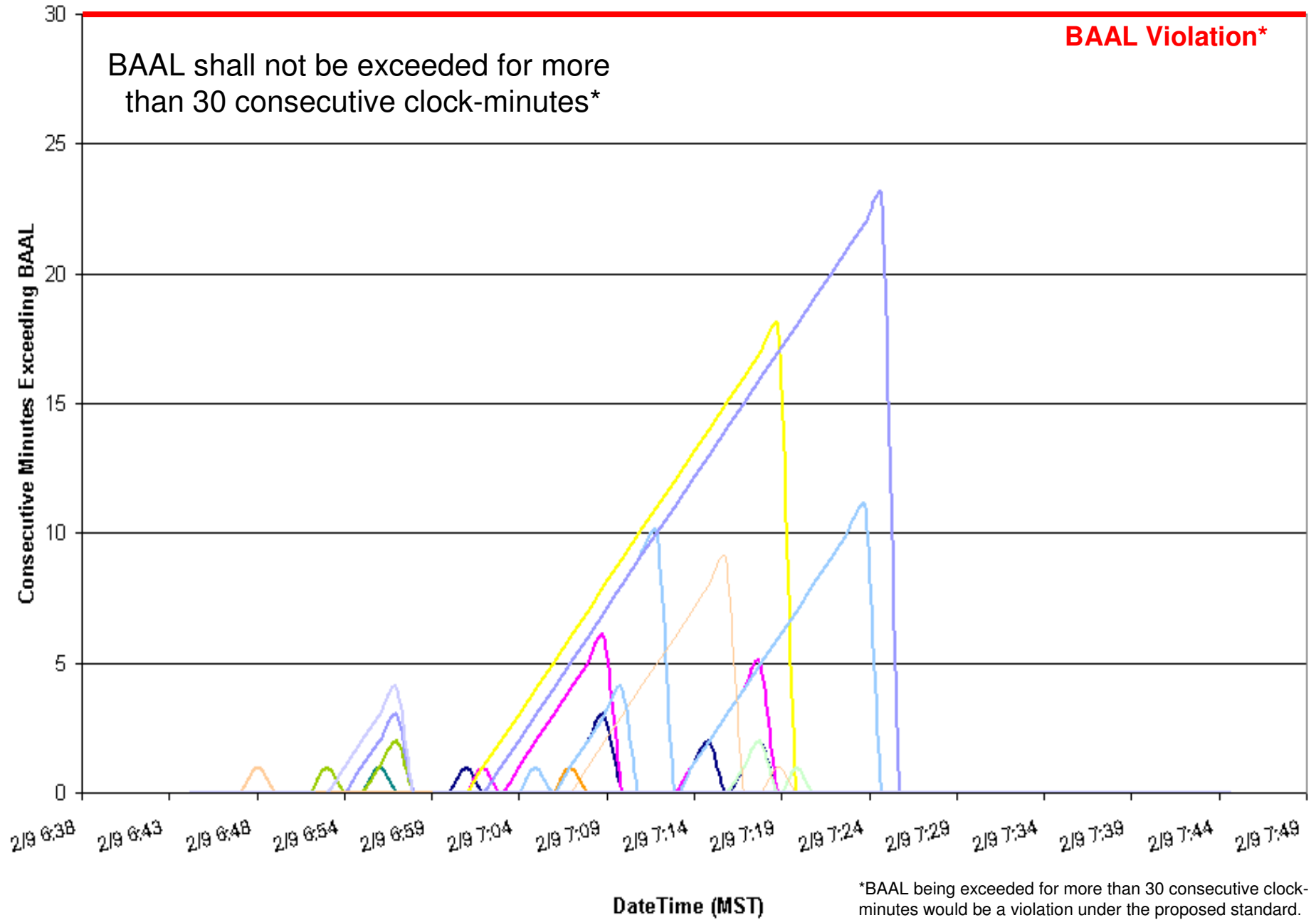
ACPS1 Clock-Minute Averages



02/09/2011 ending 06:17 PST

1 minute duration below FTL_{Low}

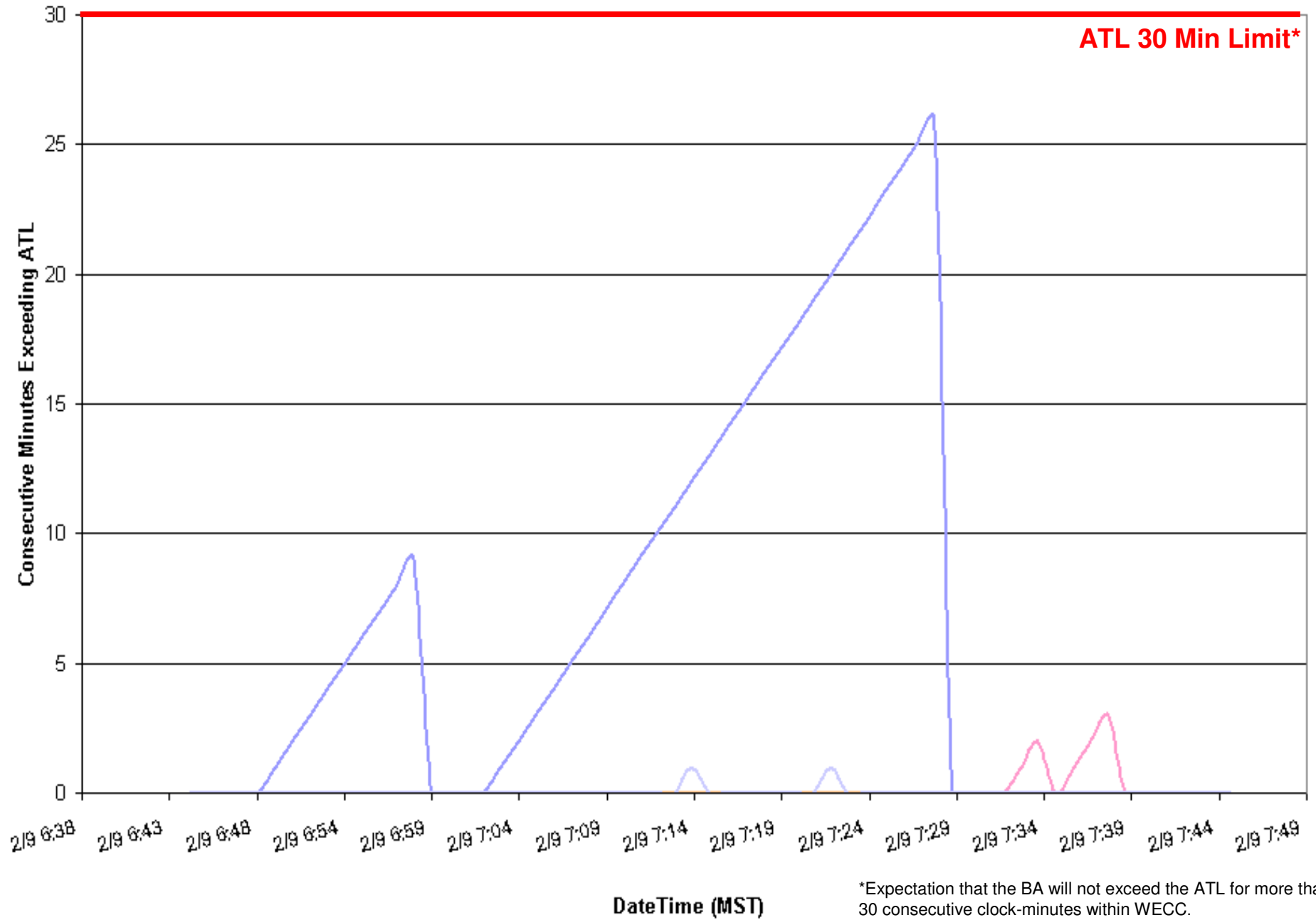
Consecutive Minutes Exceeding BAAL



02/09/2011 ending 06:17 PST

1 minute duration below FTL_{Low}

Consecutive Minutes Exceeding ATL



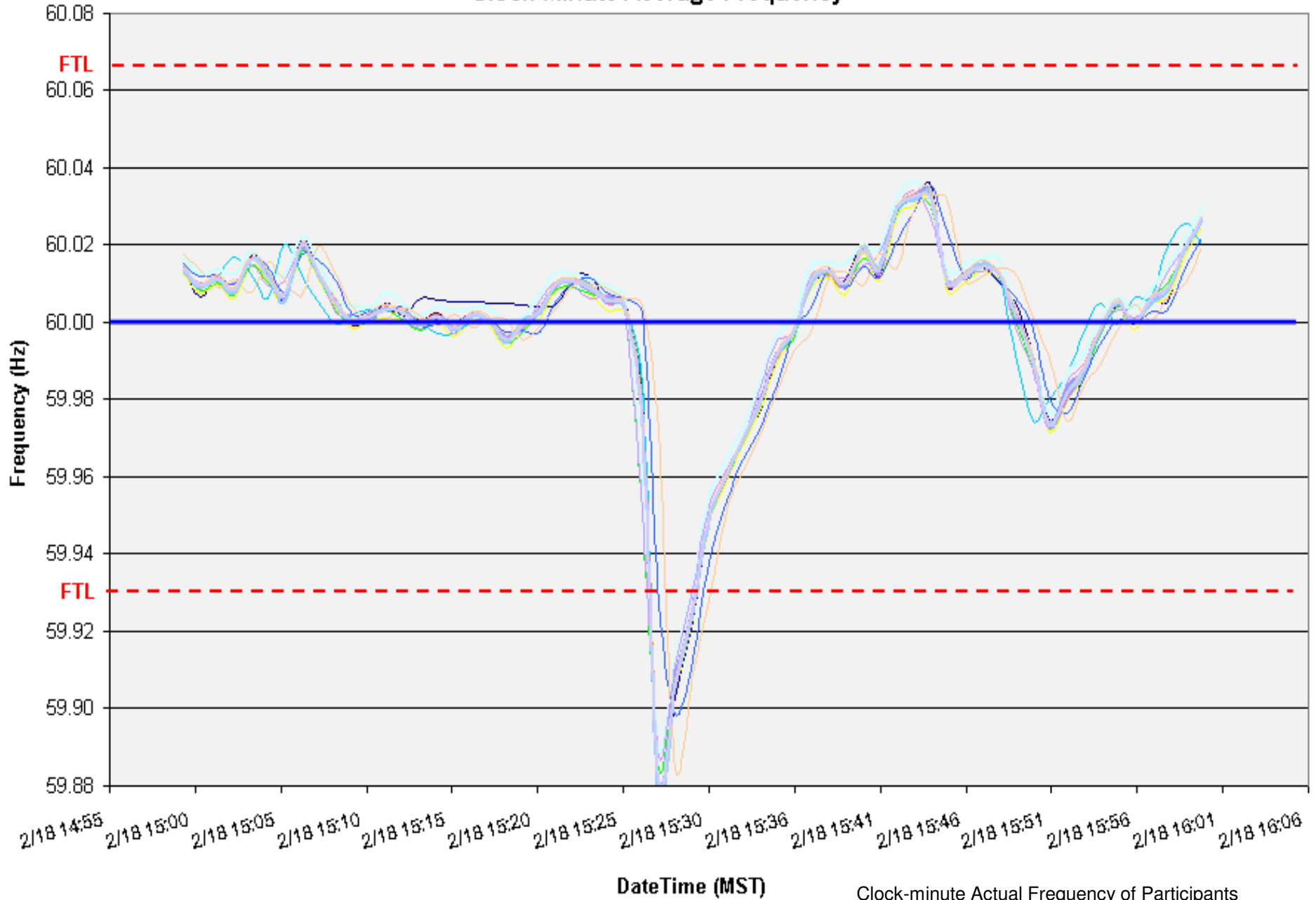
*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 2

02/18/2011 ending 14:30 PST

3 minute duration below FTL_{Low}

Clock-Minute Average Frequency

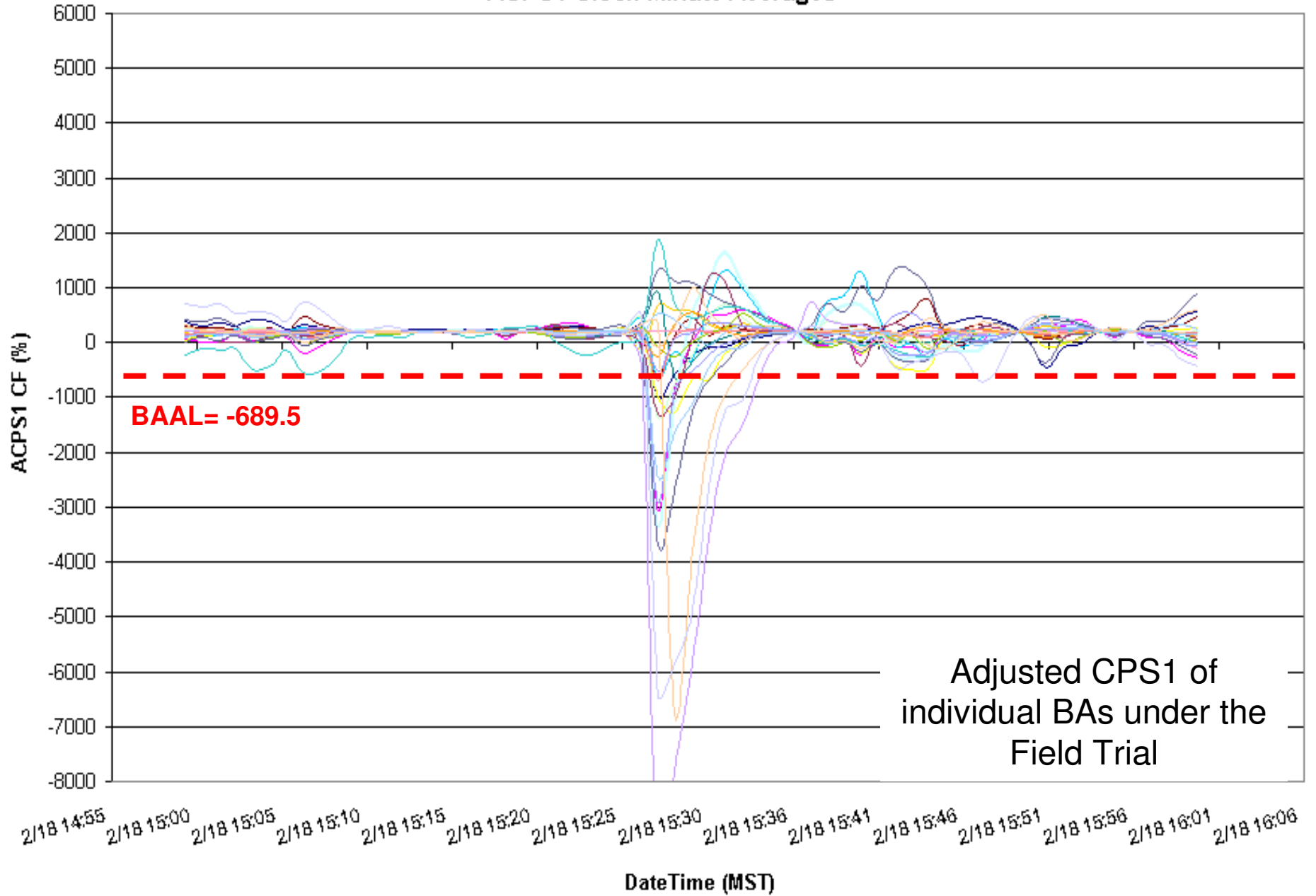


Clock-minute Actual Frequency of Participants

02/18/2011 ending 14:30 PST

3 minute duration below FTL_{Low}

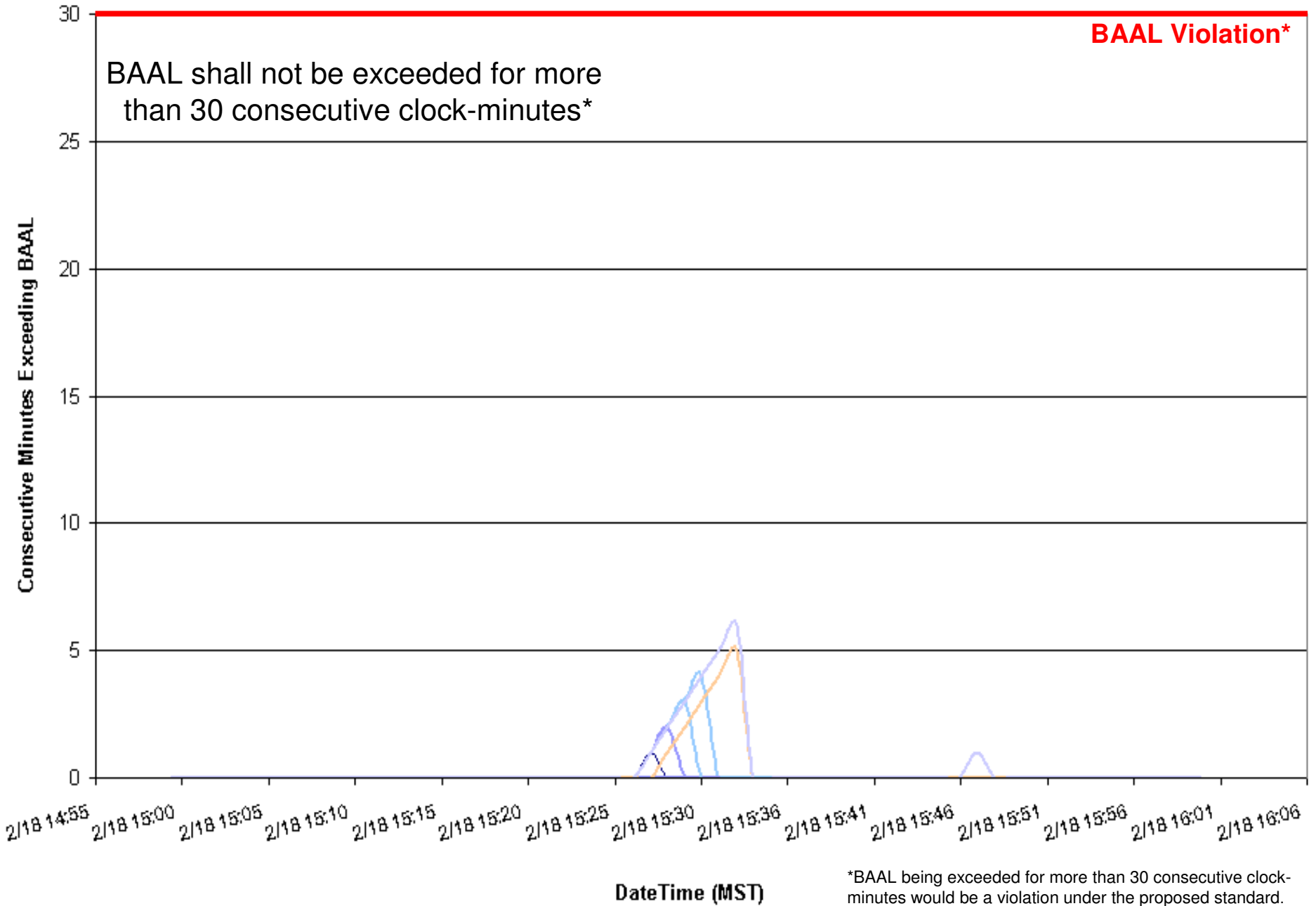
ACPS1 Clock-Minute Averages



02/18/2011 ending 14:30 PST

3 minute duration below FTL_{Low}

Consecutive Minutes Exceeding BAAL

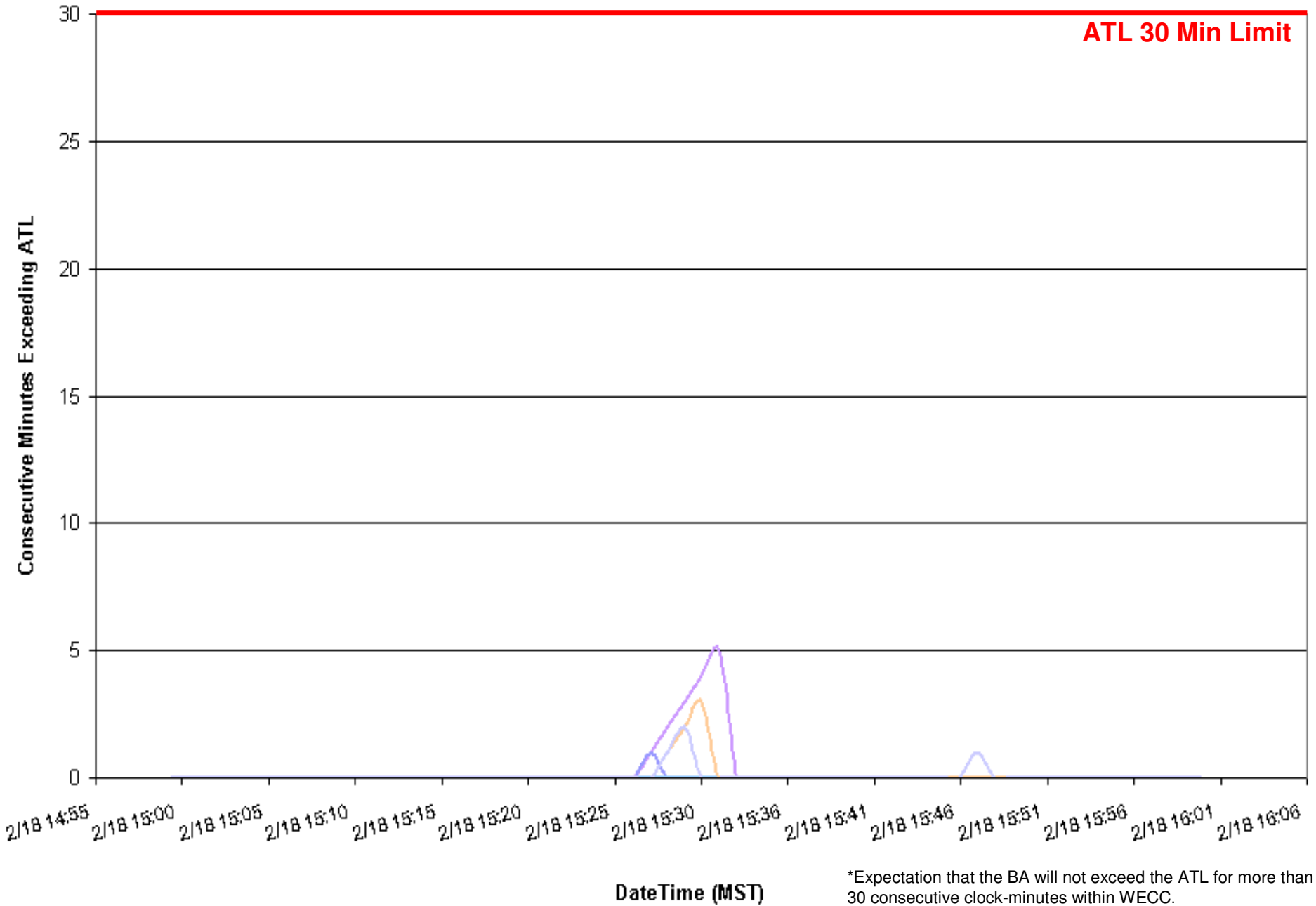


*BAAL being exceeded for more than 30 consecutive clock-minutes would be a violation under the proposed standard.

02/18/2011 ending 14:30 PST

3 minute duration below FTL_{Low}

Consecutive Minutes Exceeding ATL



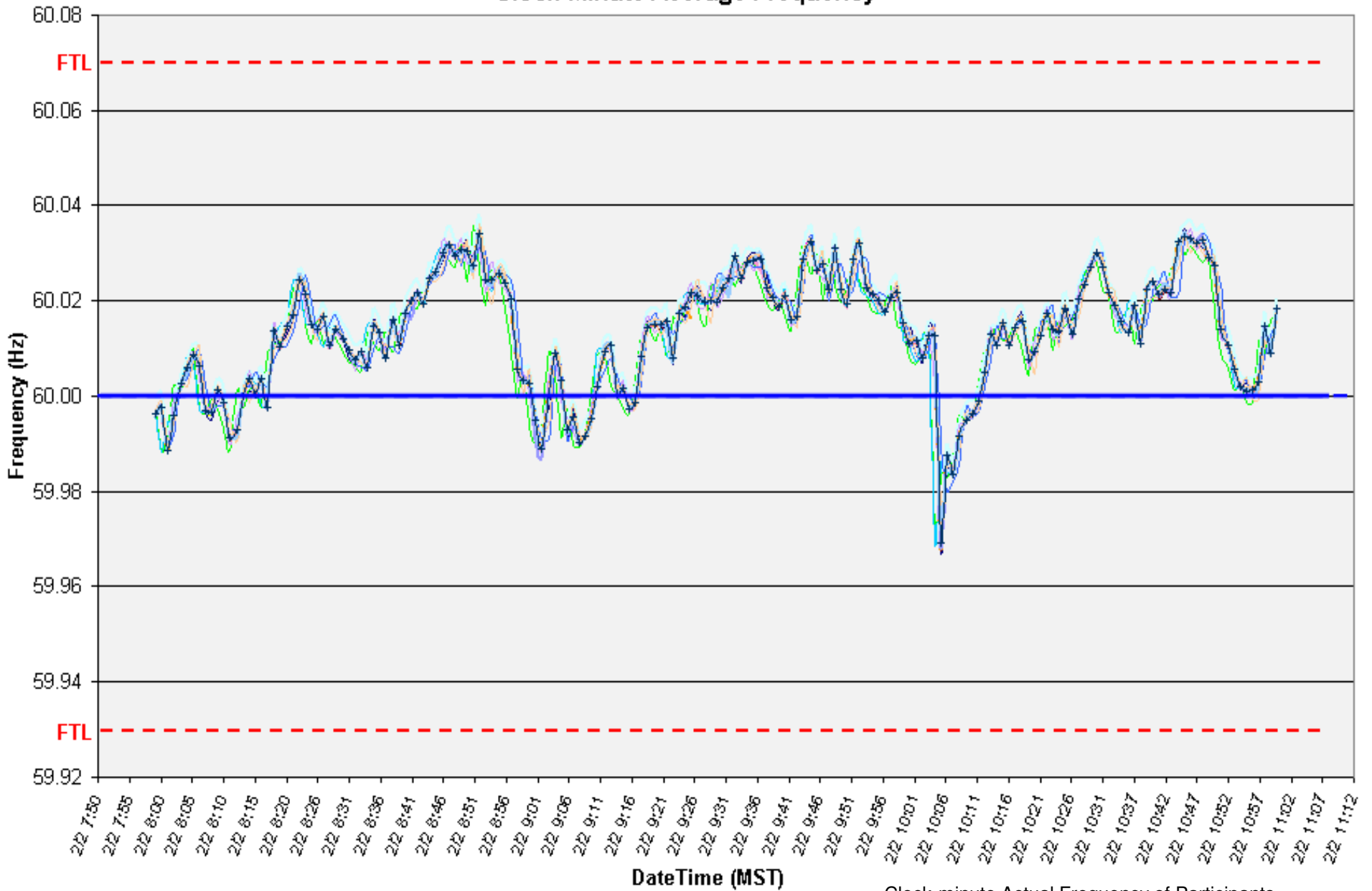
*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 3

02/02/2011 ending 08:58 MST
40 minute duration above BAAL_{High}

02/02/2011 ending 10:05 MST
48 minute duration above BAAL_{High}
Clock-Minute Average Frequency

02/02/2011 ending 10:52 MST
39 minute duration above BAAL_{High}

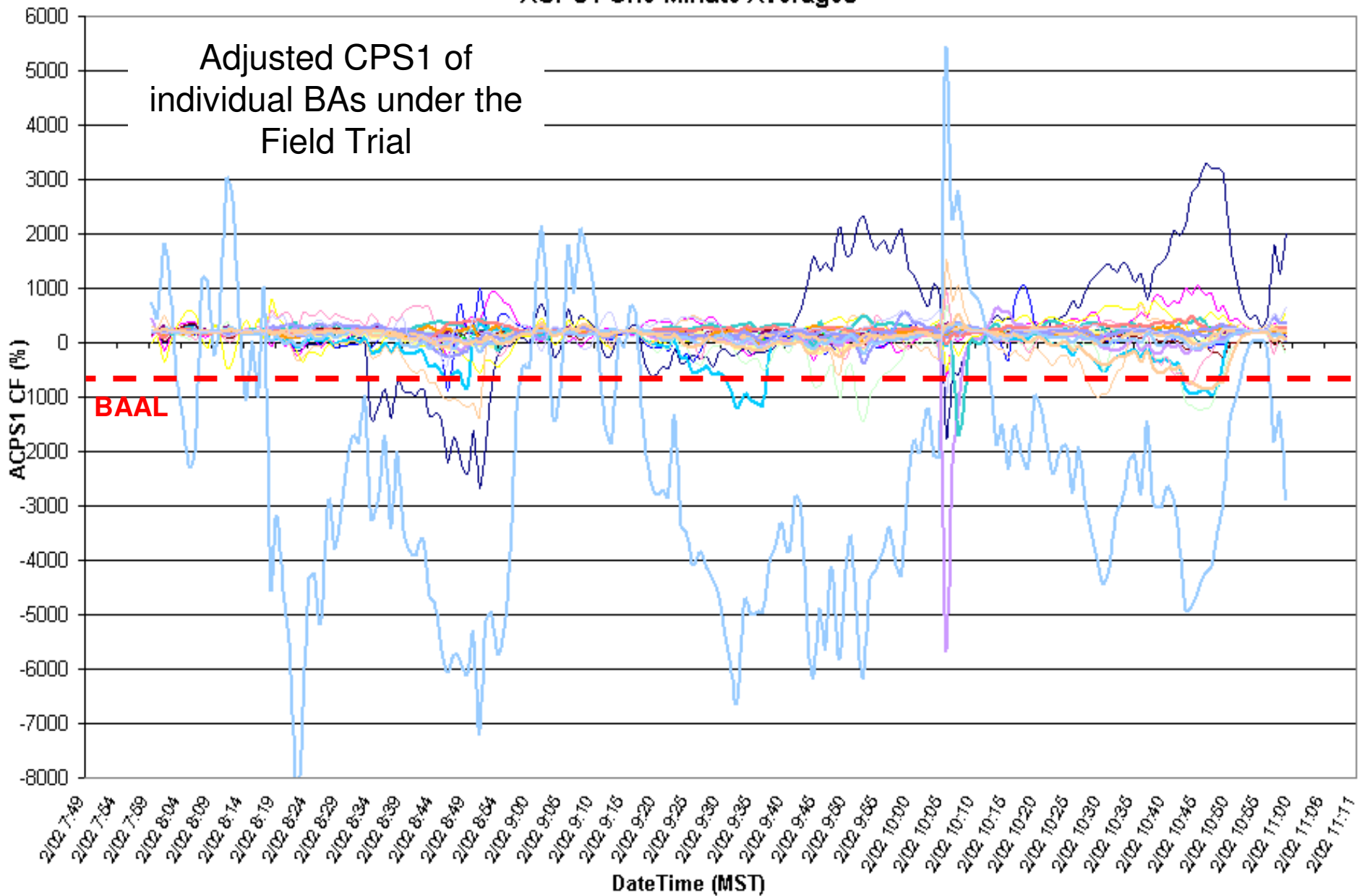


Clock-minute Actual Frequency of Participants

02/02/2011 ending 08:58 MST
40 minute duration above BAAL_{High}

02/02/2011 ending 10:05 MST
48 minute duration above BAAL_{High}
ACPS1 One-Minute Averages

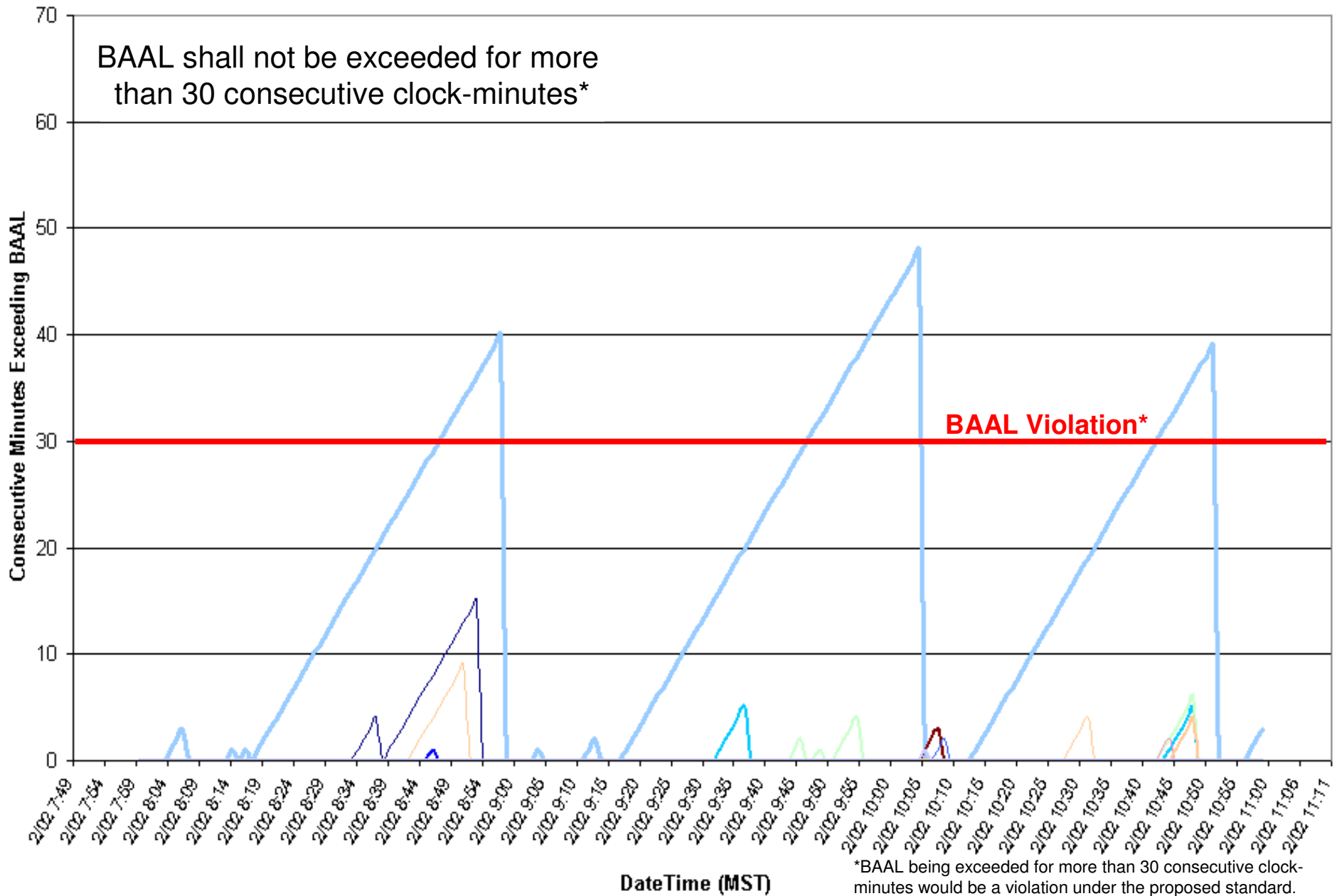
02/02/2011 ending 10:52 MST
39 minute duration above BAAL_{High}



02/02/2011 ending 08:58 MST
40 minute duration above BAAL_{High}

02/02/2011 ending 10:05 MST
48 minute duration above BAAL_{High}
Consecutive Minutes Exceeding BAAL

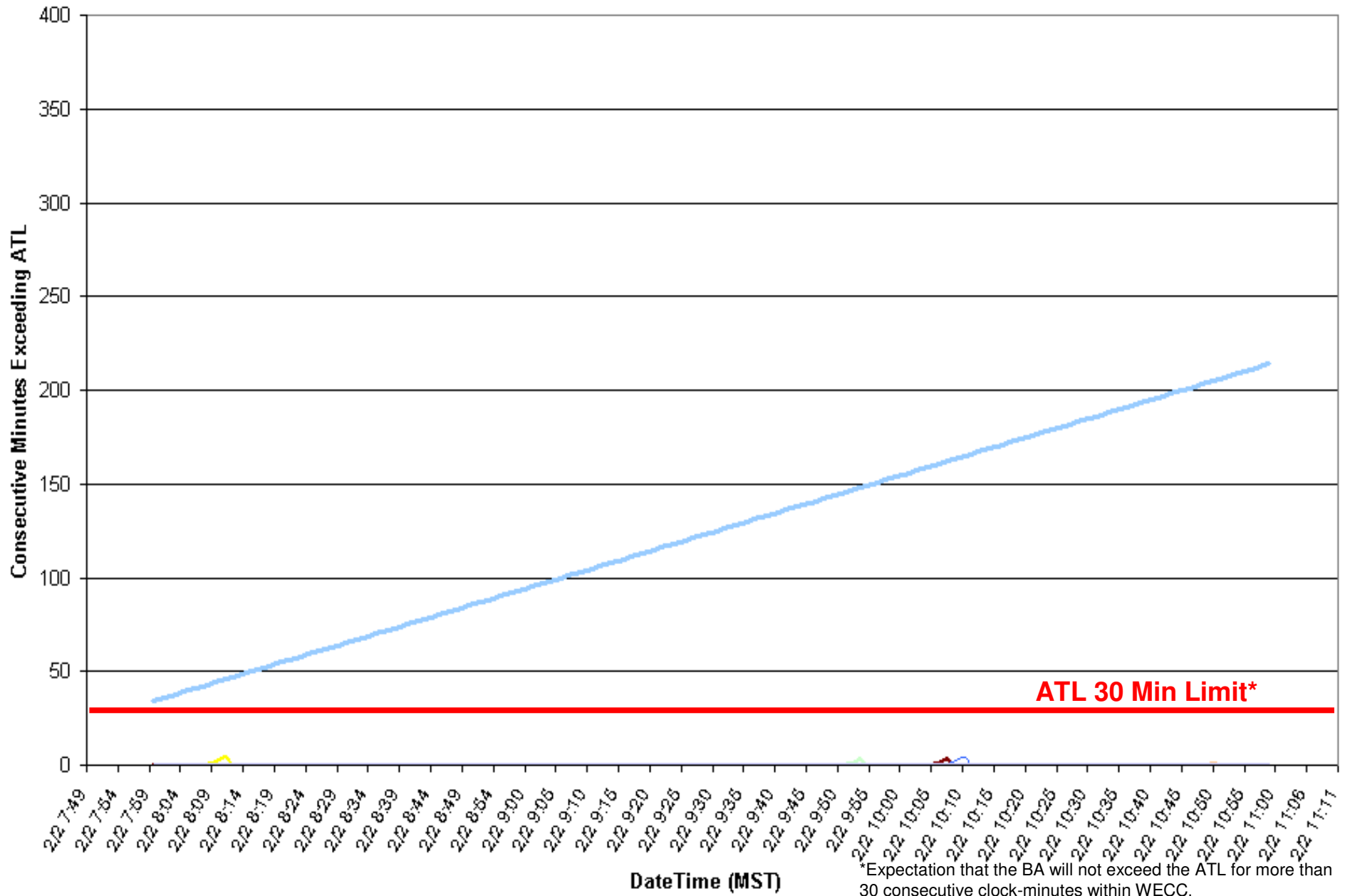
02/02/2011 ending 10:52 MST
39 minute duration above BAAL_{High}



02/02/2011 ending 08:58 MST
40 minute duration above BAAL_{High}

02/02/2011 ending 10:05 MST
48 minute duration above BAAL_{High}
Consecutive Minutes Exceeding ATL

02/02/2011 ending 10:52 MST
39 minute duration above BAAL_{High}



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 4

02/02/2011 ending 11:53 MST
40 minute duration above BAAL_{High}

ending 12:59 MST
63 minute duration > BAAL_{High}

ending 13:44 MST
30 minute duration > BAAL_{High}

ending 13:52 MST
39 minute duration > BAAL_{High}

Clock-Minute Average Frequency



Clock-minute Actual Frequency of Participants

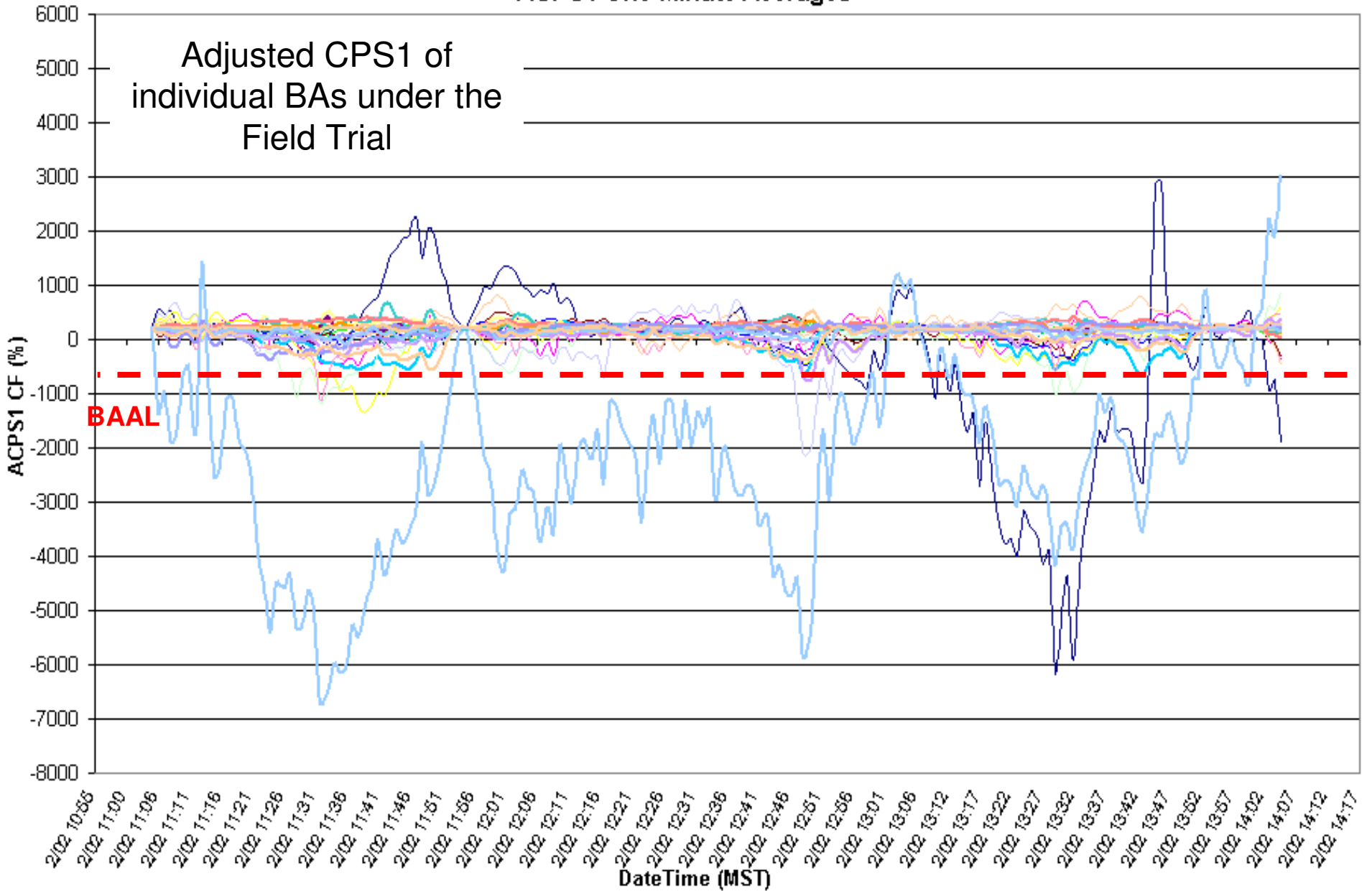
02/02/2011 ending 11:53 MST
40 minute duration above BAAL_{High}

ending 12:59 MST
63 minute duration > BAAL_{High}

ending 13:44 MST
30 minute duration > BAAL_{High}

ending 13:52 MST
39 minute duration > BAAL_{High}

ACPS1 One-Minute Averages



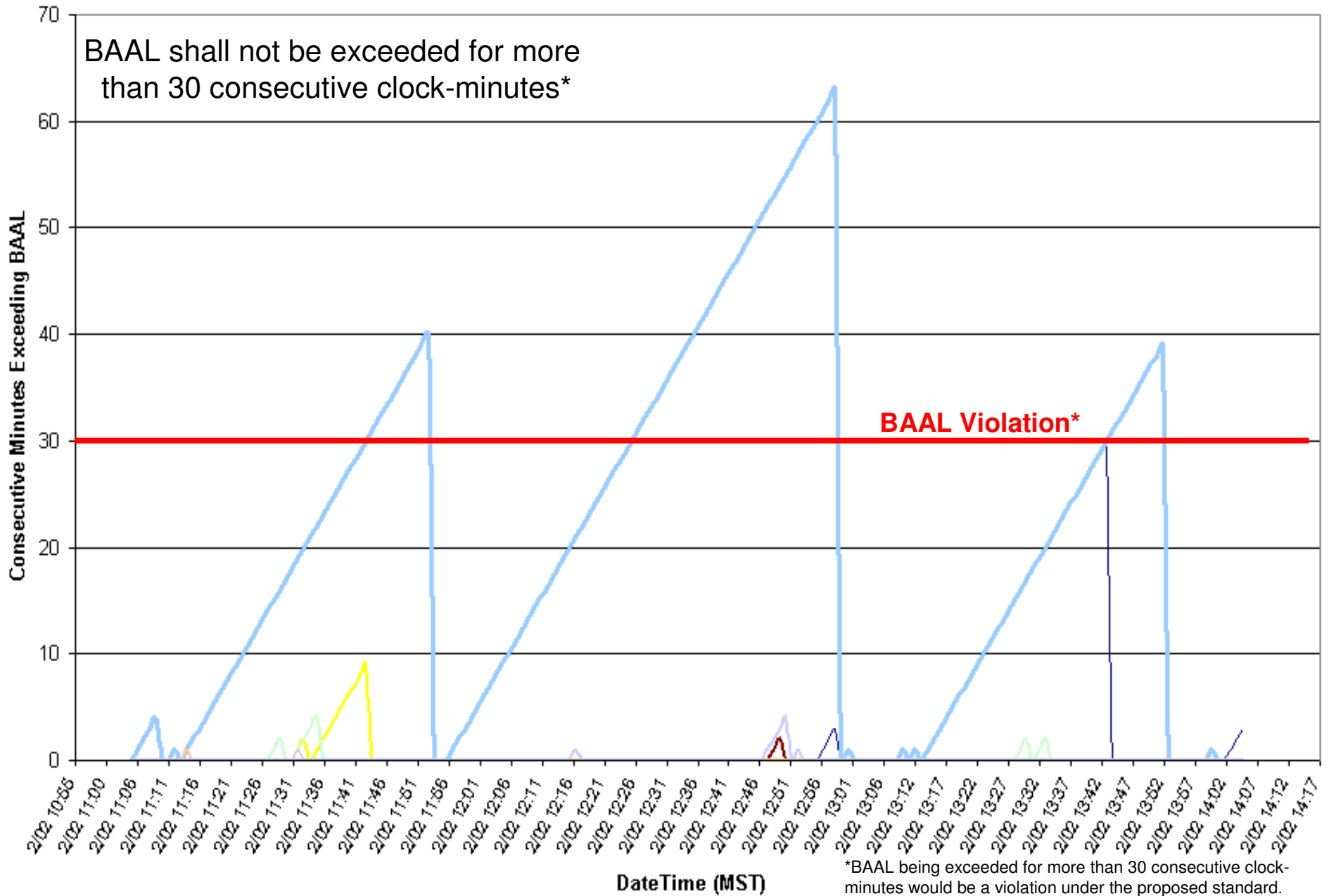
02/02/2011 ending 11:53 MST
40 minute duration above BAAL_{High}

ending 12:59 MST
63 minute duration > BAAL_{High}

ending 13:44 MST
30 minute duration > BAAL_{High}

ending 13:52 MST
39 minute duration > BAAL_{High}

Consecutive Minutes Exceeding BAAL



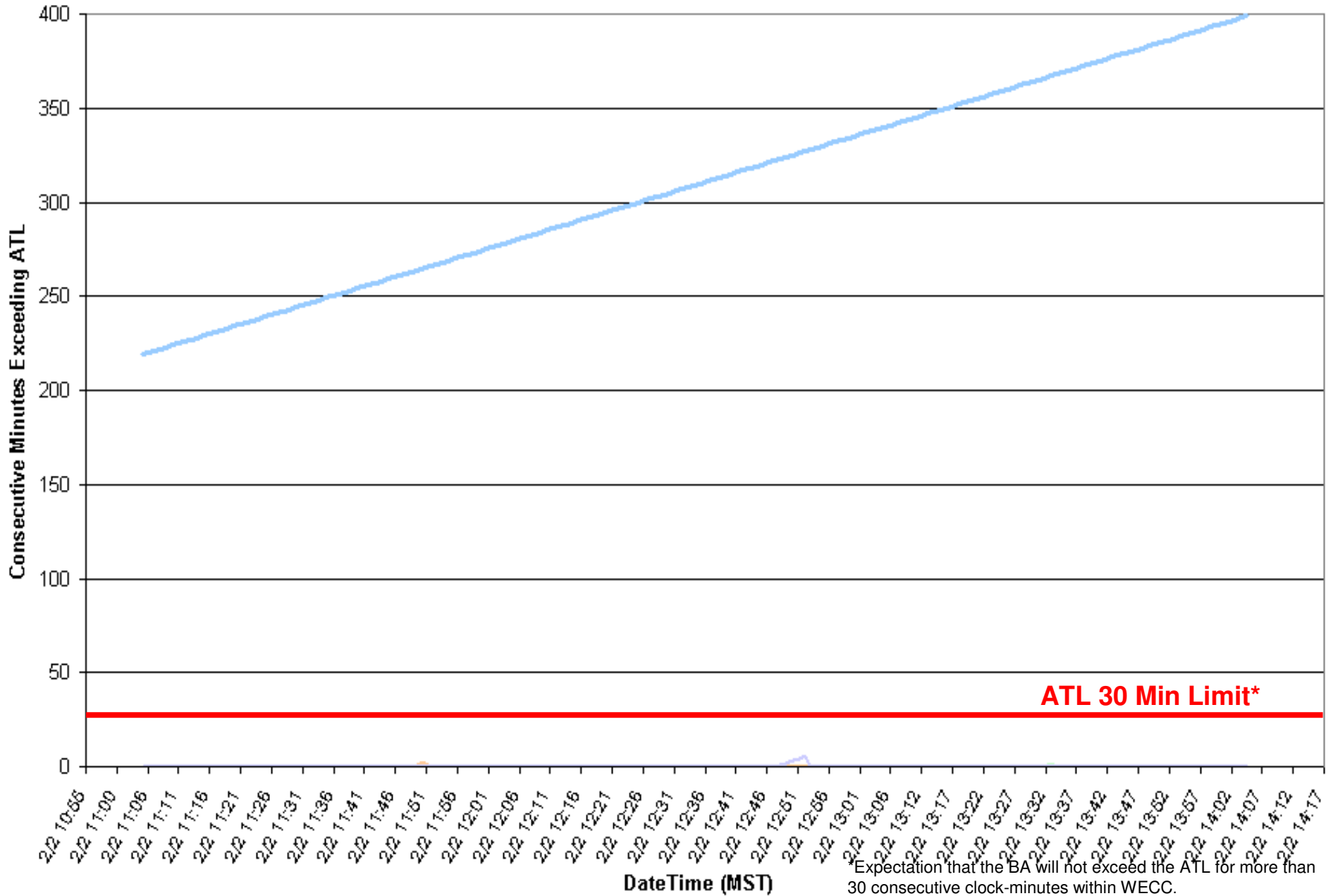
02/02/2011 ending 11:53 MST
40 minute duration above BAAL_{High}

ending 12:59 MST
63 minute duration > BAAL_{High}

ending 13:44 MST
30 minute duration > BAAL_{High}

ending 13:52 MST
39 minute duration > BAAL_{High}

Consecutive Minutes Exceeding ATL



EXAMPLE 5

02/02/2011 ending 22:05 PST

34 minute duration above BAAL_{High}

Clock-Minute Average Frequency

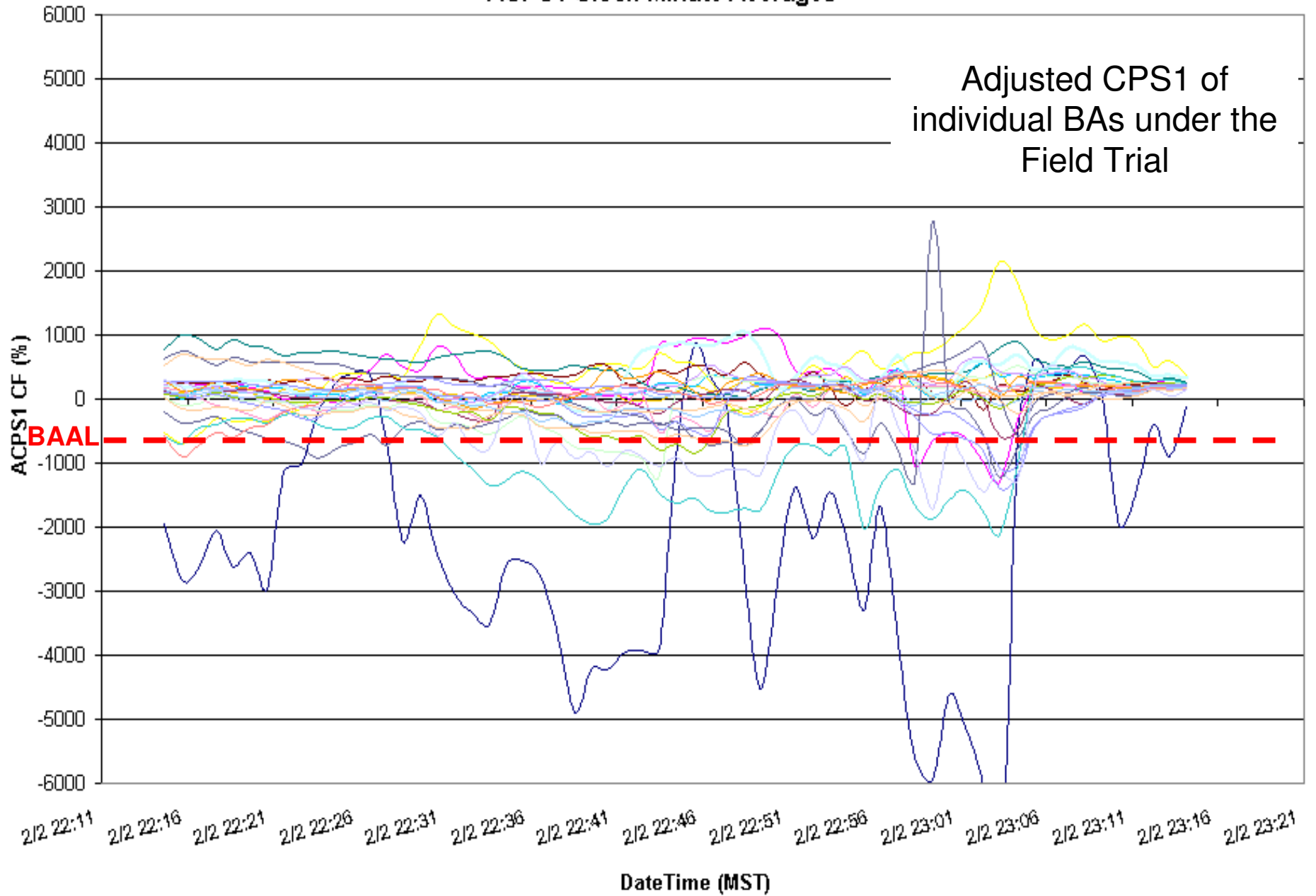


Clock-minute Actual Frequency of Participants

02/02/2011 ending 22:05 PST

34 minute duration above BAAL_{High}

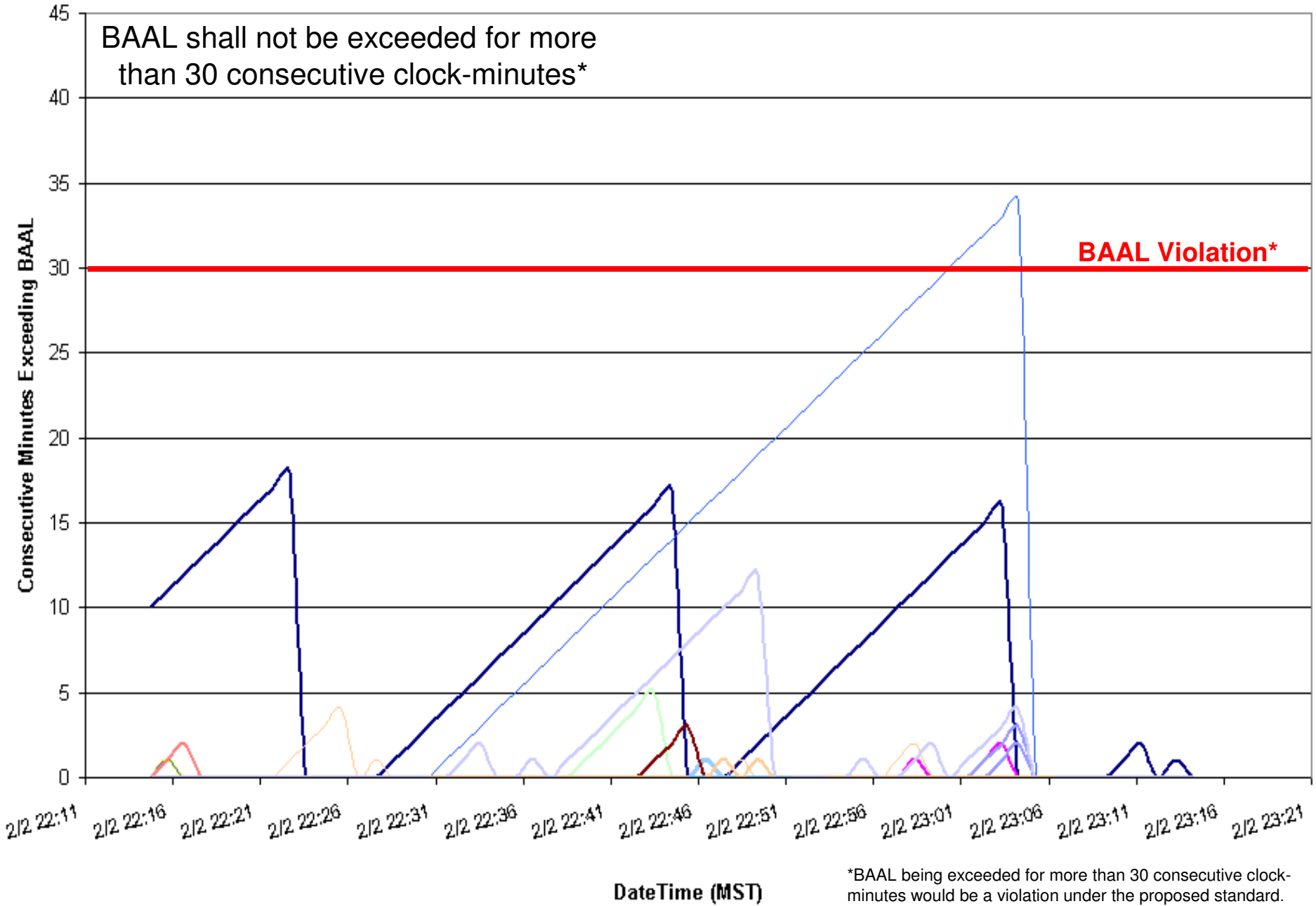
ACPS1 Clock-Minute Averages



02/02/2011 ending 22:05 PST

34 minute duration above BAAL_{High}

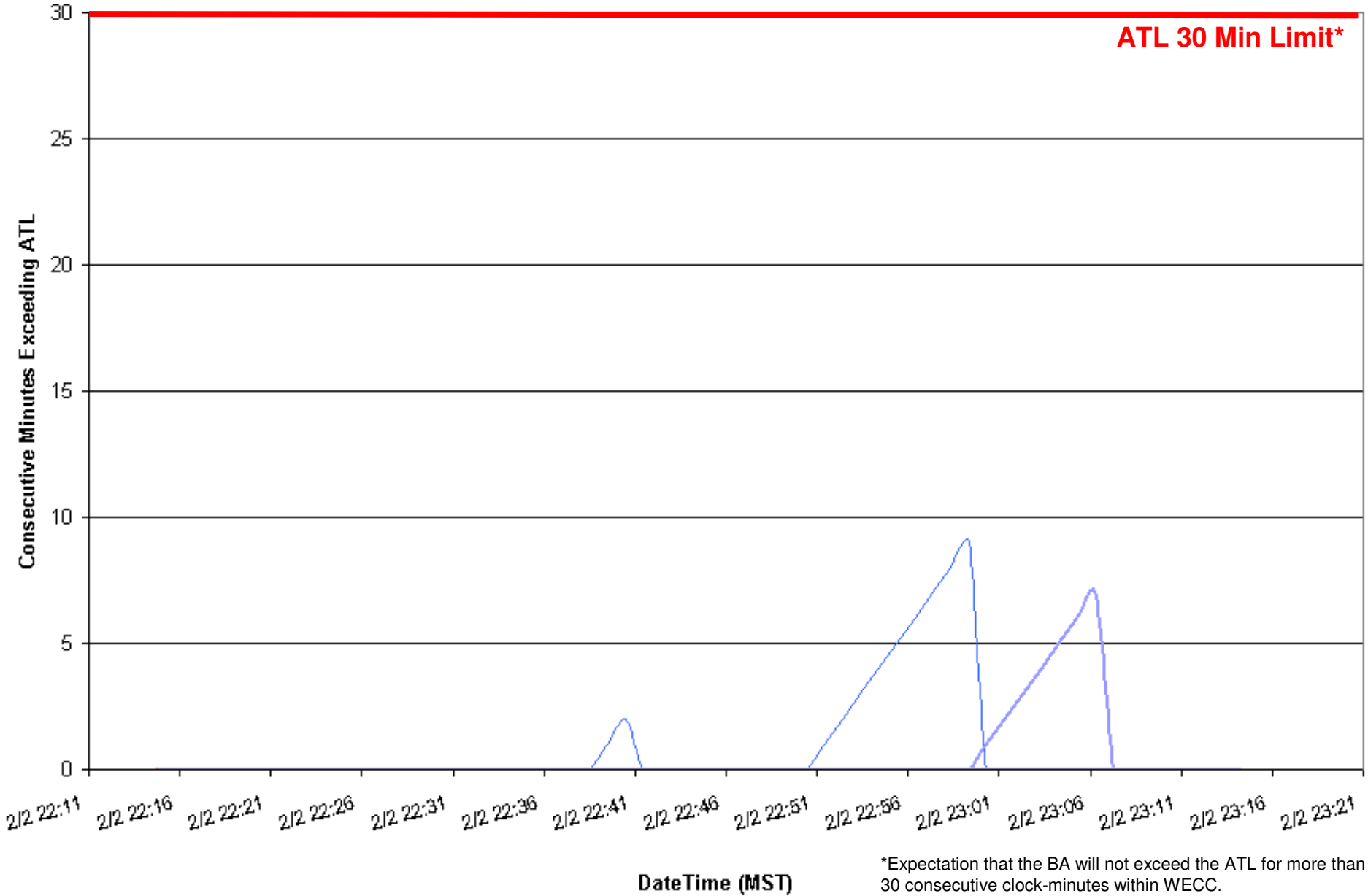
Consecutive Minutes Exceeding BAAL



02/02/2011 ending 22:05 PST

34 minute duration above BAAL_{High}

Consecutive Minutes Exceeding ATL



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 6

02/03/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

Clock-Minute Average Frequency

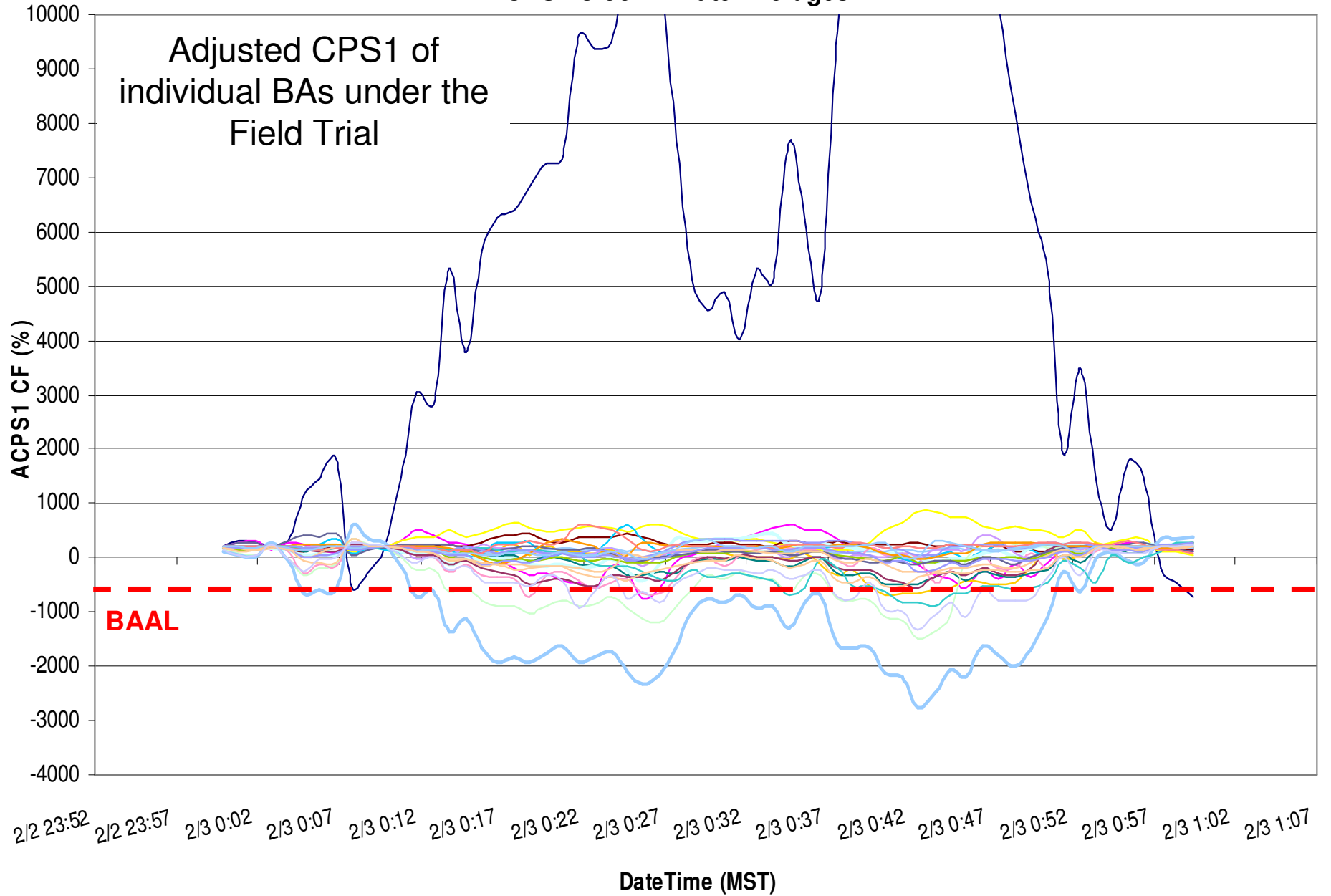


Clock-minute Actual Frequency of Participants

02/03/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

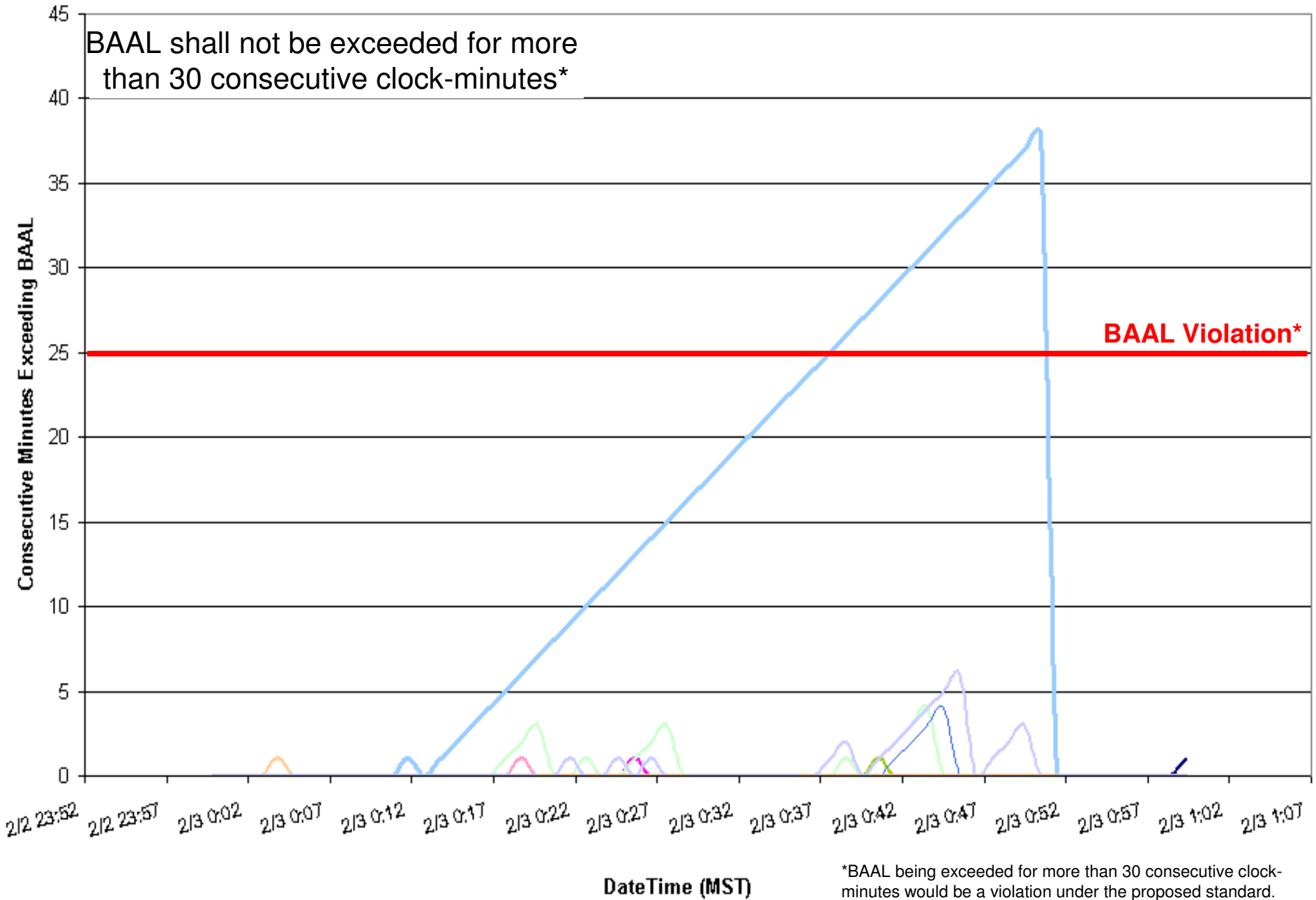
ACPS1 Clock-Minute Averages



02/03/2011 ending 00:51 MST

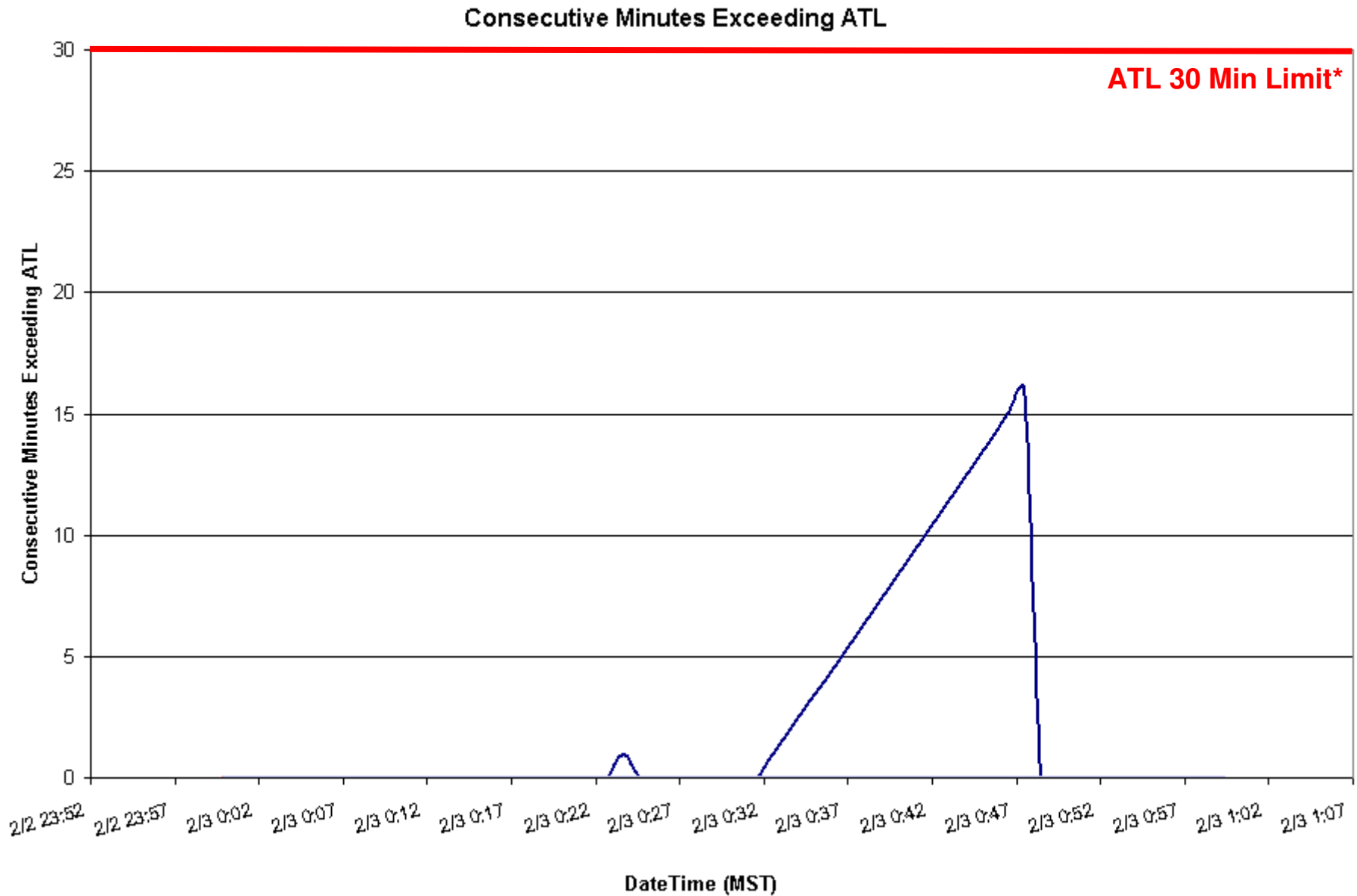
38 minute duration above BAAL_{High}

Consecutive Minutes Exceeding BAAL



02/03/2011 ending 00:51 MST

38 minute duration above BAAL_{High}



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 7

02/06/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

Clock-Minute Average Frequency

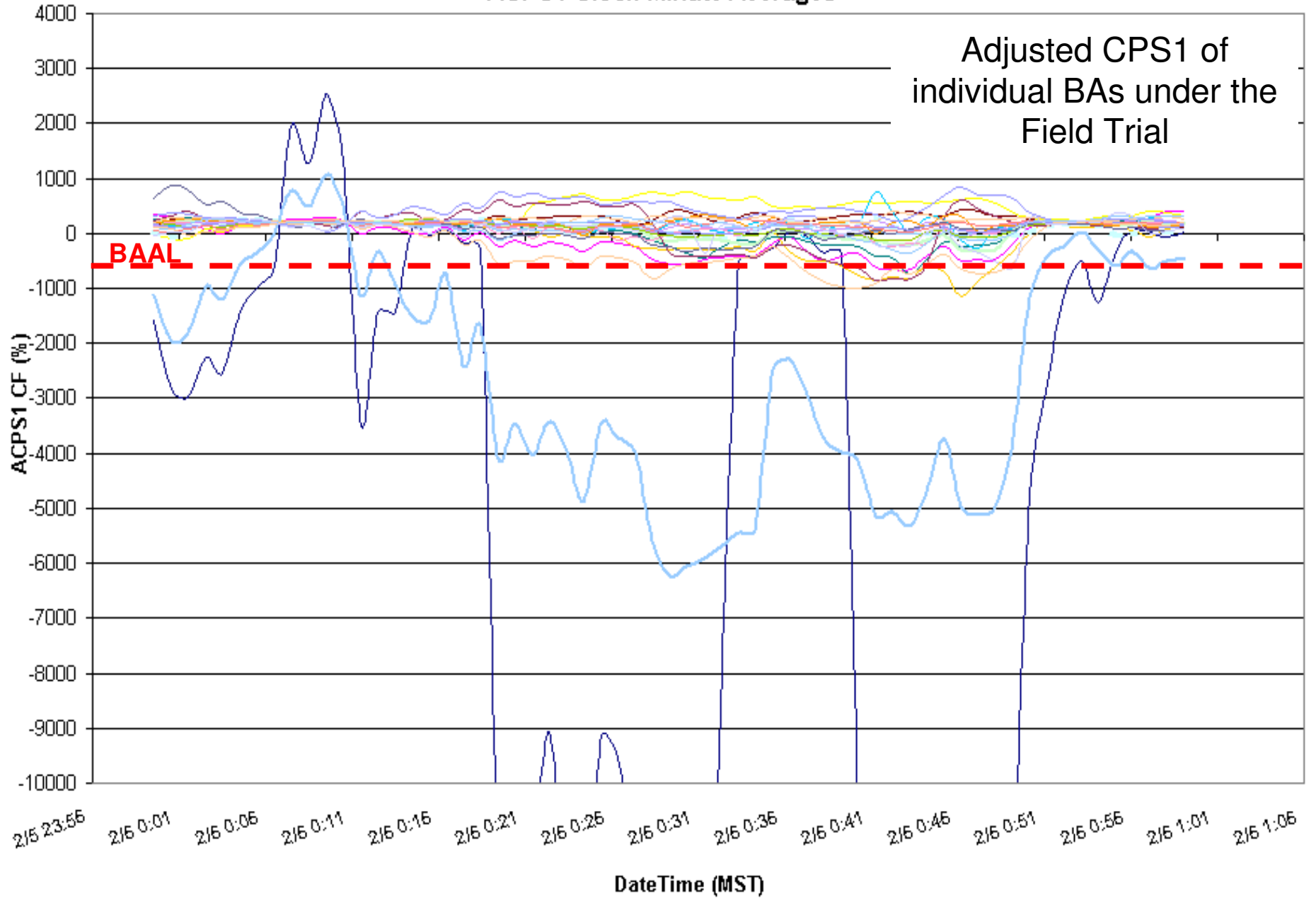


Clock-minute Actual Frequency of Participants

02/06/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

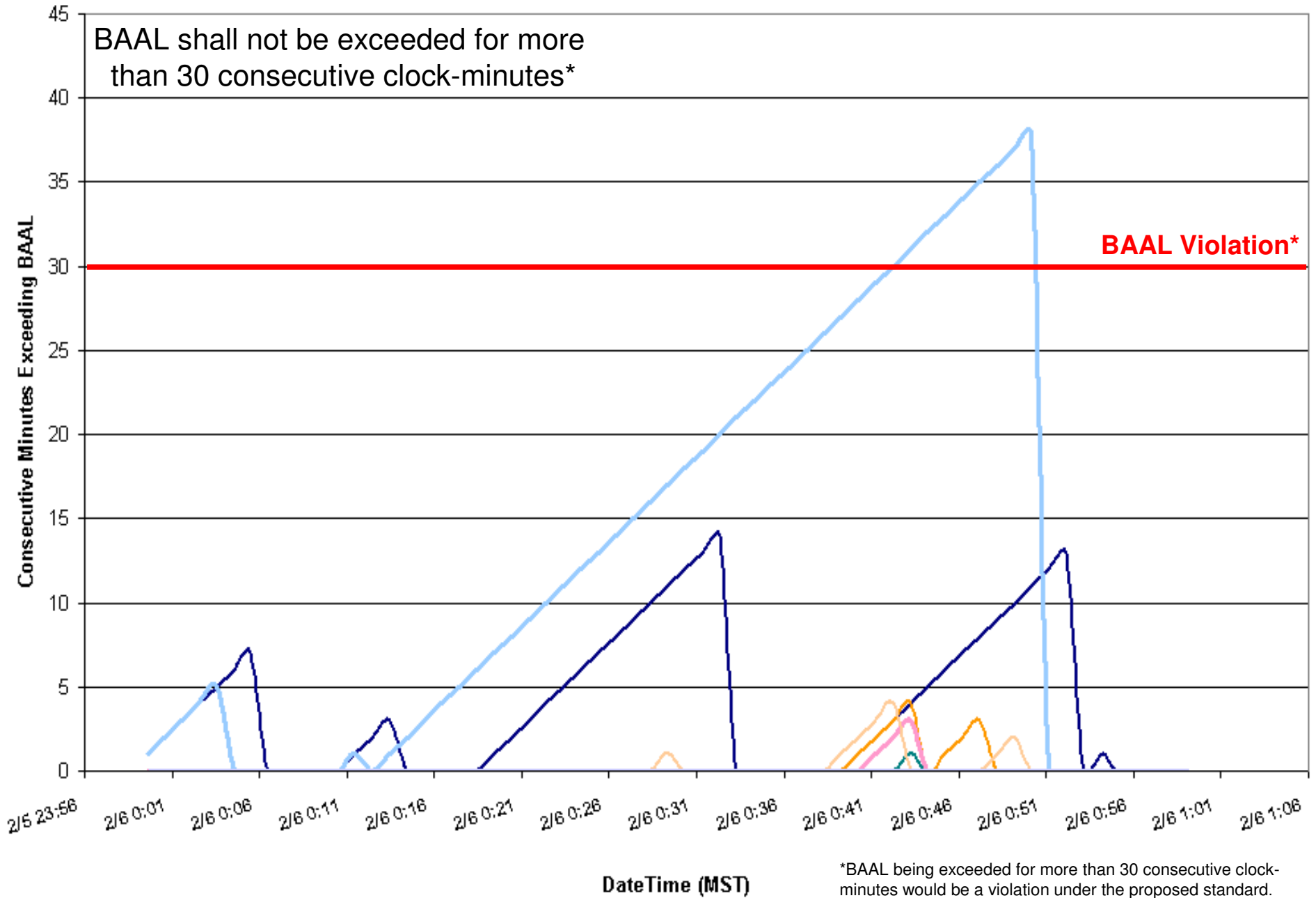
ACPS1 Clock-Minute Averages



02/06/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

Consecutive Minutes Exceeding BAAL

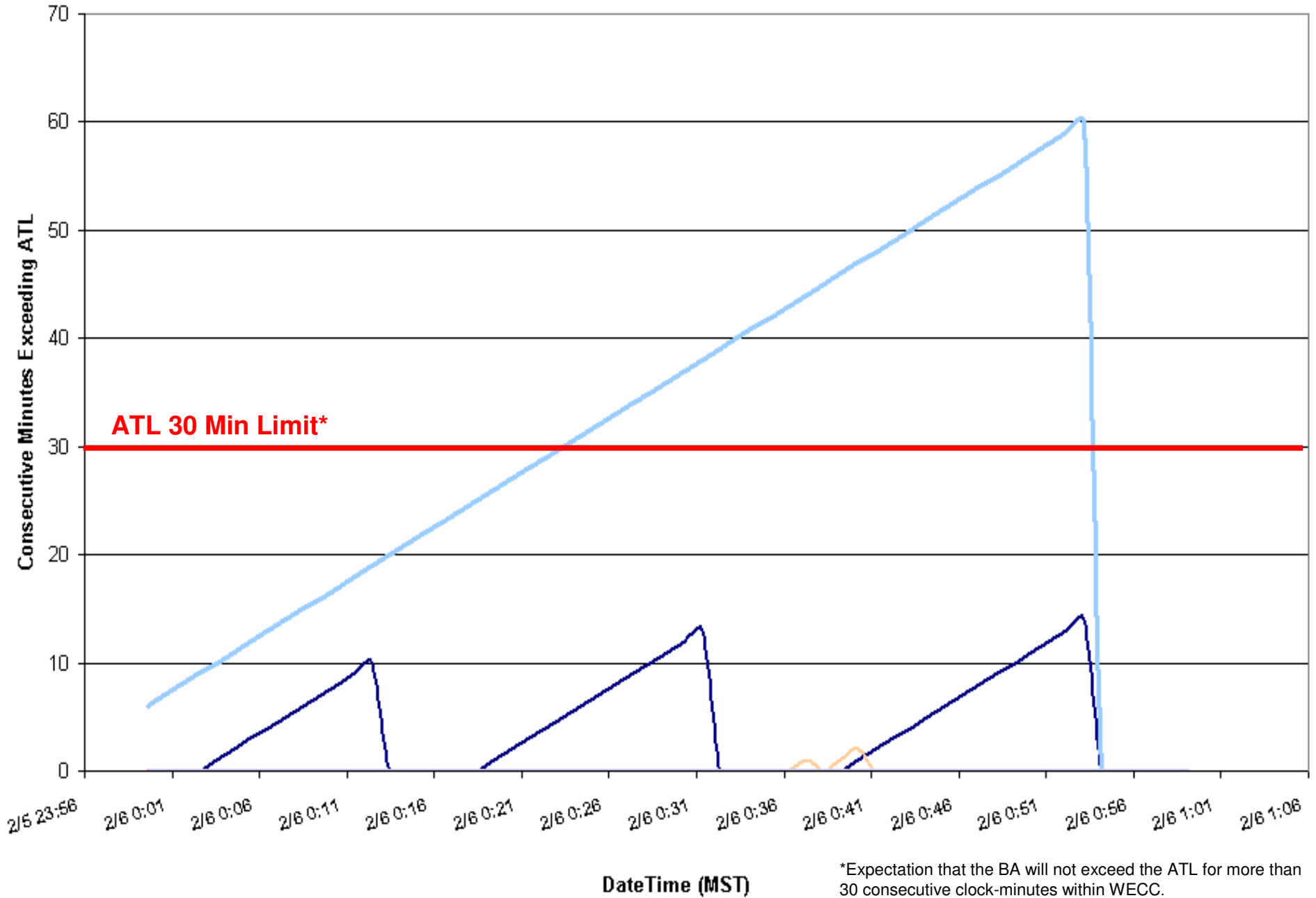


*BAAL being exceeded for more than 30 consecutive clock-minutes would be a violation under the proposed standard.

02/06/2011 ending 00:51 MST

38 minute duration above BAAL_{High}

Consecutive Minutes Exceeding ATL



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 8

02/21/2011 ending 22:52 PST

30 minute duration above BAAL_{High}

Clock-Minute Average Frequency

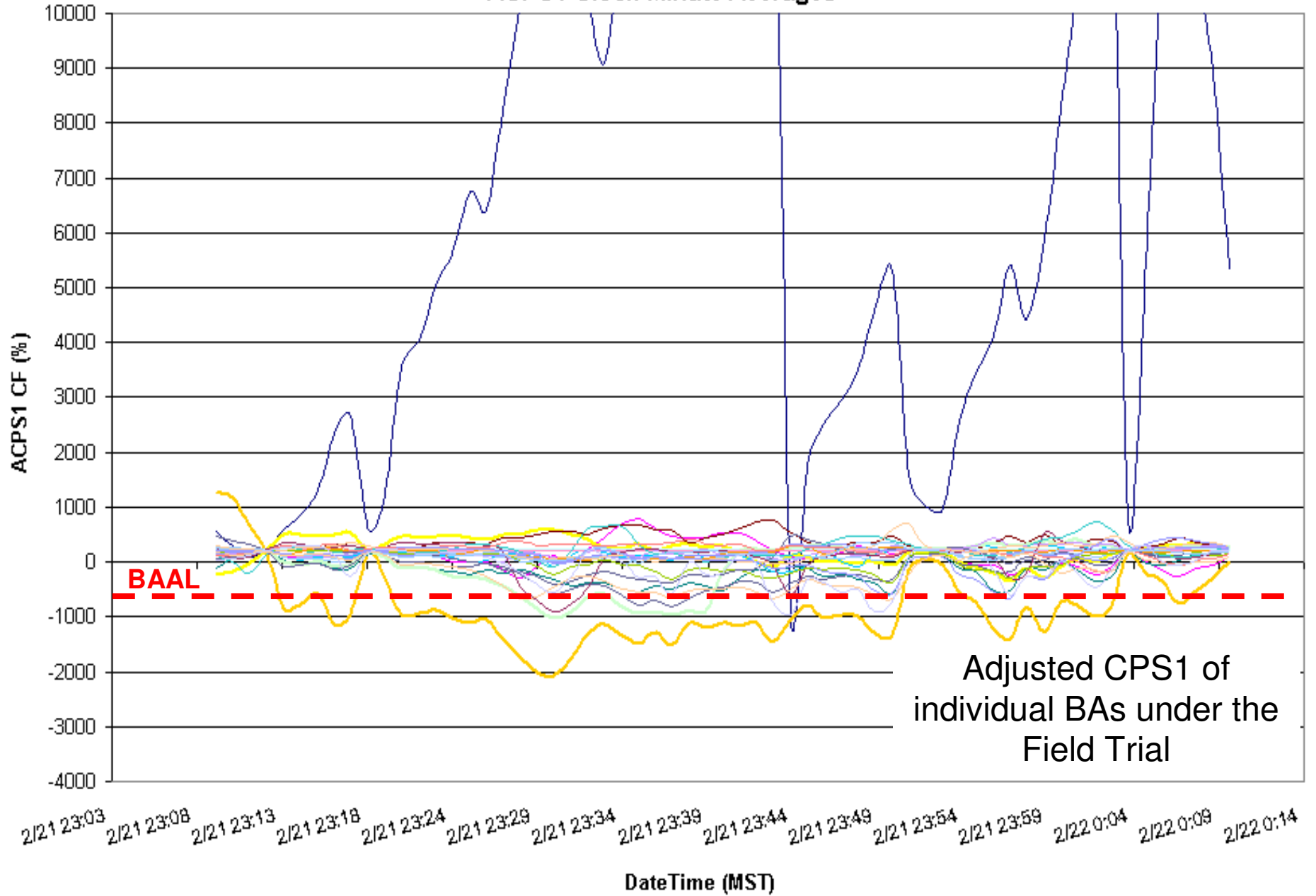


Clock-minute Actual Frequency of Participants

02/21/2011 ending 22:52 PST

30 minute duration above BAAL_{High}

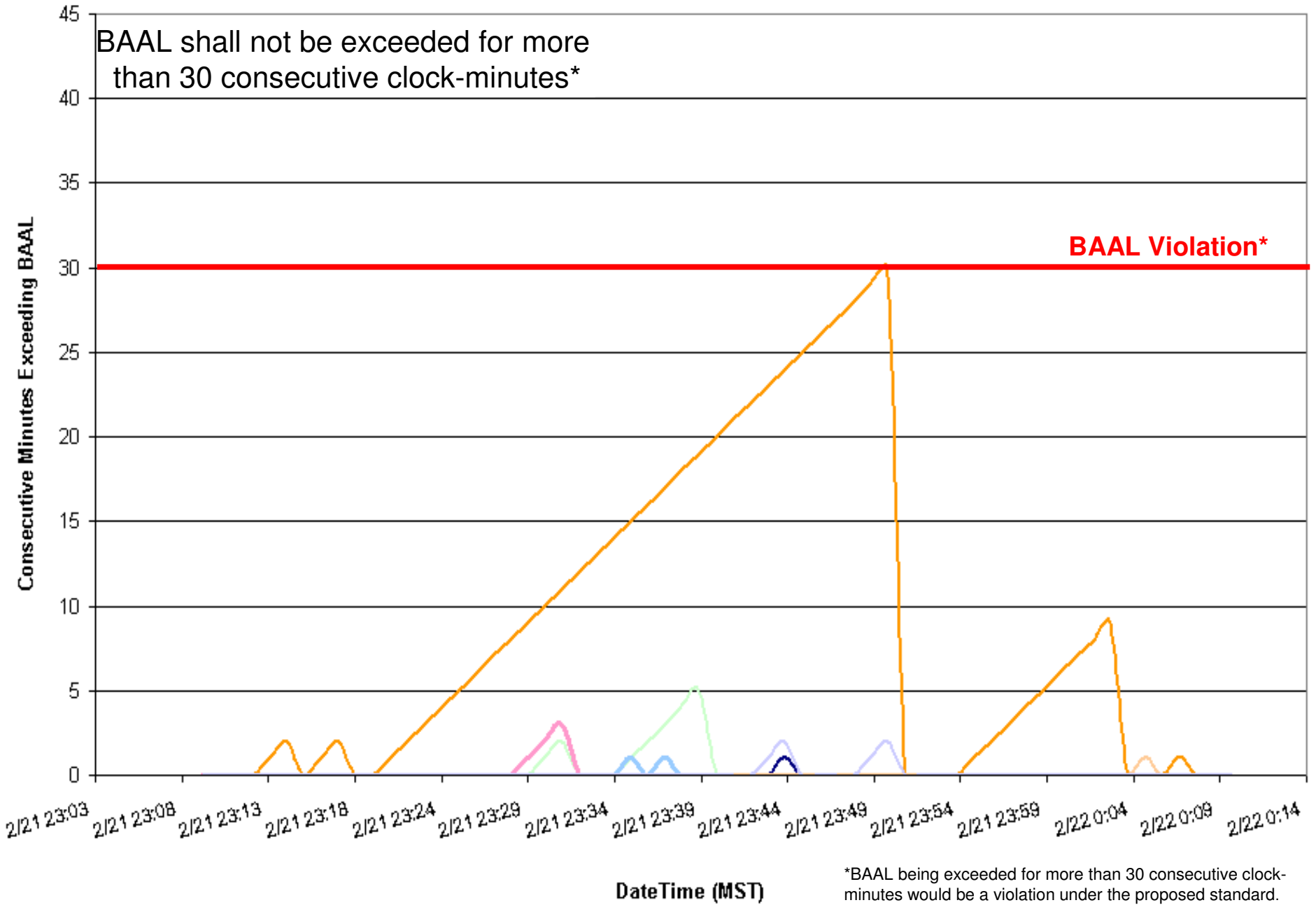
ACPS1 Clock-Minute Averages



02/21/2011 ending 22:52 PST

30 minute duration above BAAL_{High}

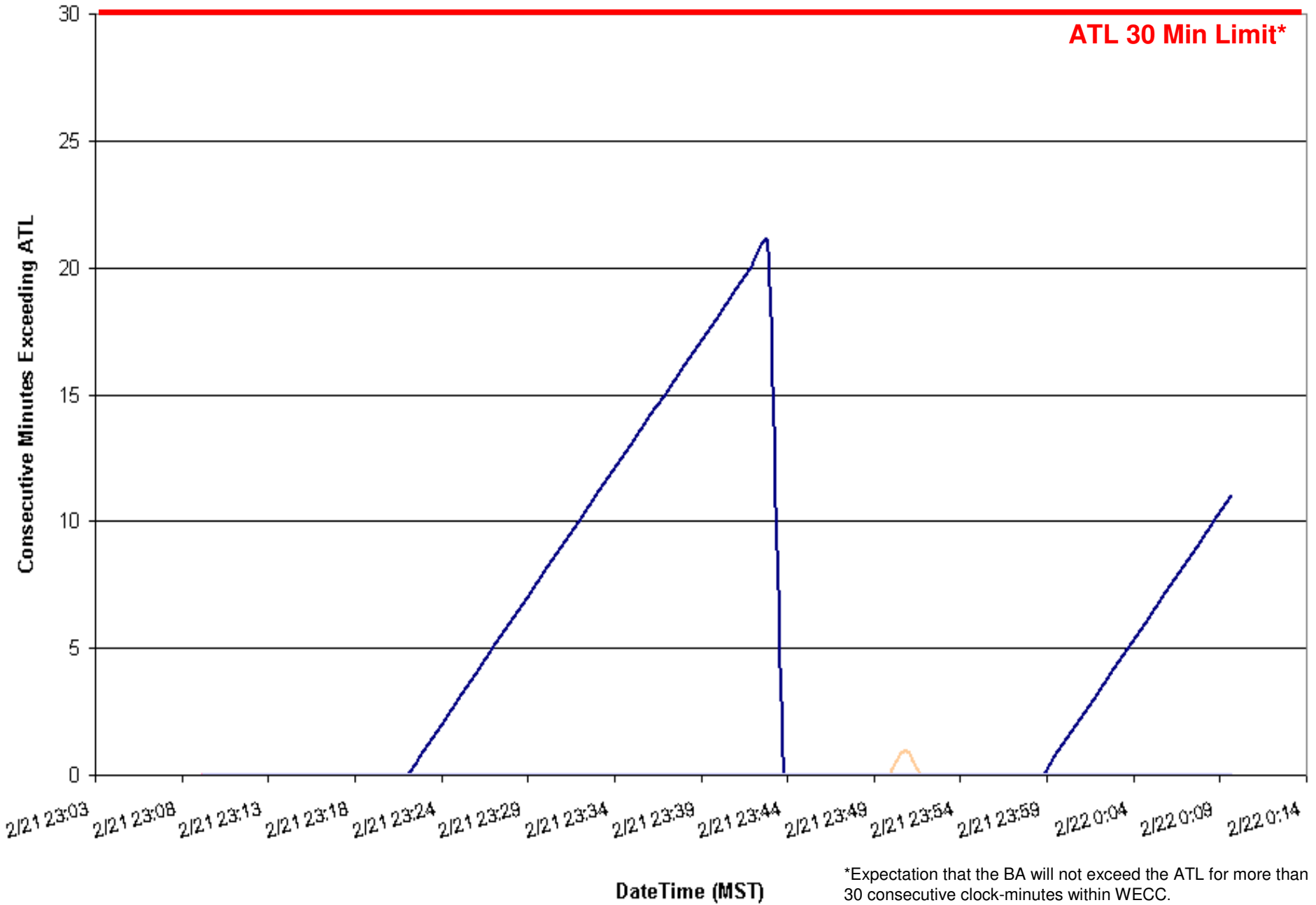
Consecutive Minutes Exceeding BAAL



02/21/2011 ending 22:52 PST

30 minute duration above BAAL_{High}

Consecutive Minutes Exceeding ATL



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

EXAMPLE 9

02/26/2011 ending 12:55 PST

41 minute duration above BAAL_{High}

60.02 Scheduled Frequency TEC

Clock-Minute Average Frequency



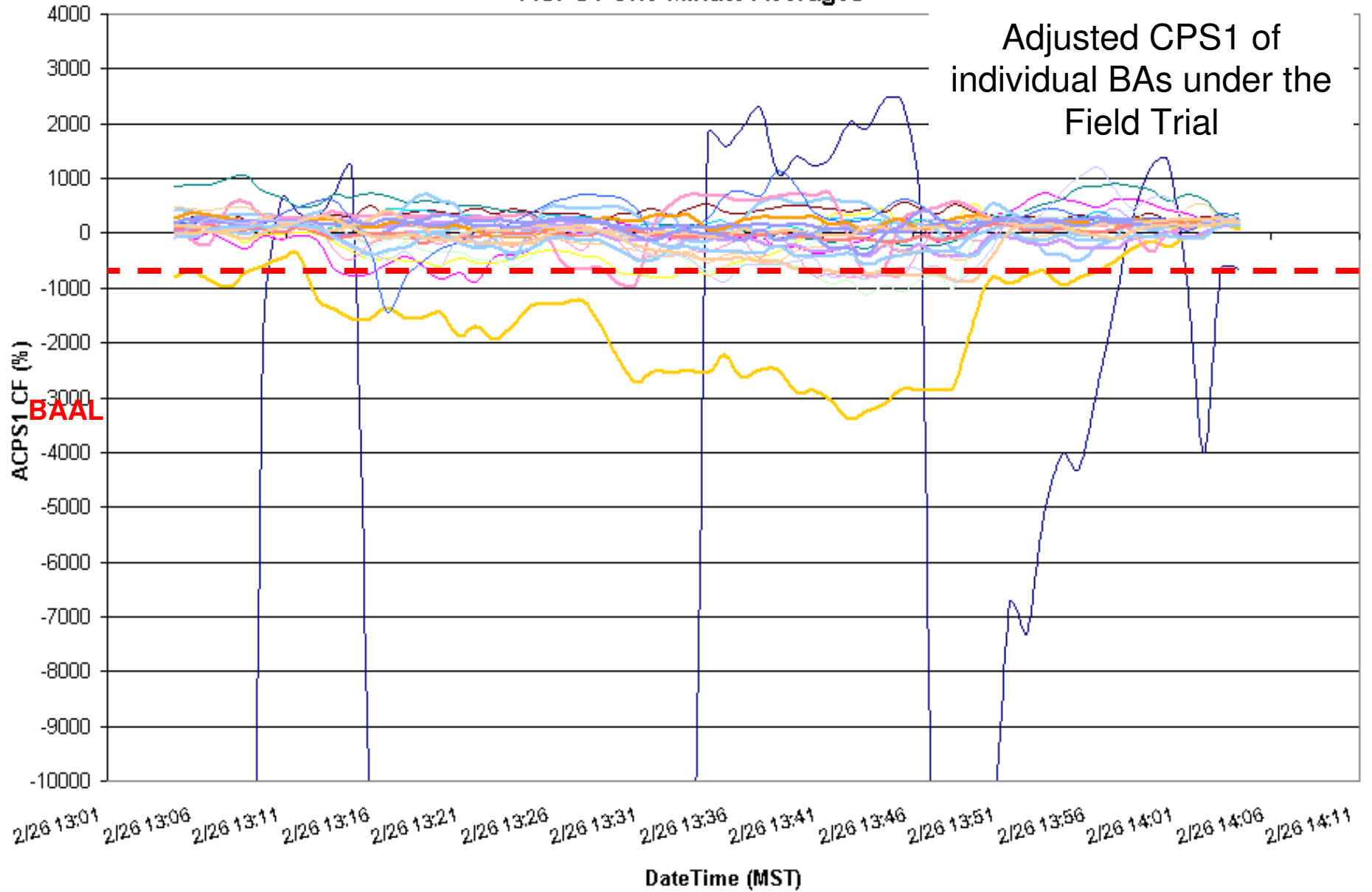
Clock-minute Actual Frequency of Participants

02/26/2011 ending 12:55 PST

41 minute duration above BAAL_{High}

60.02 Scheduled Frequency TEC

ACPS1 One-Minute Averages

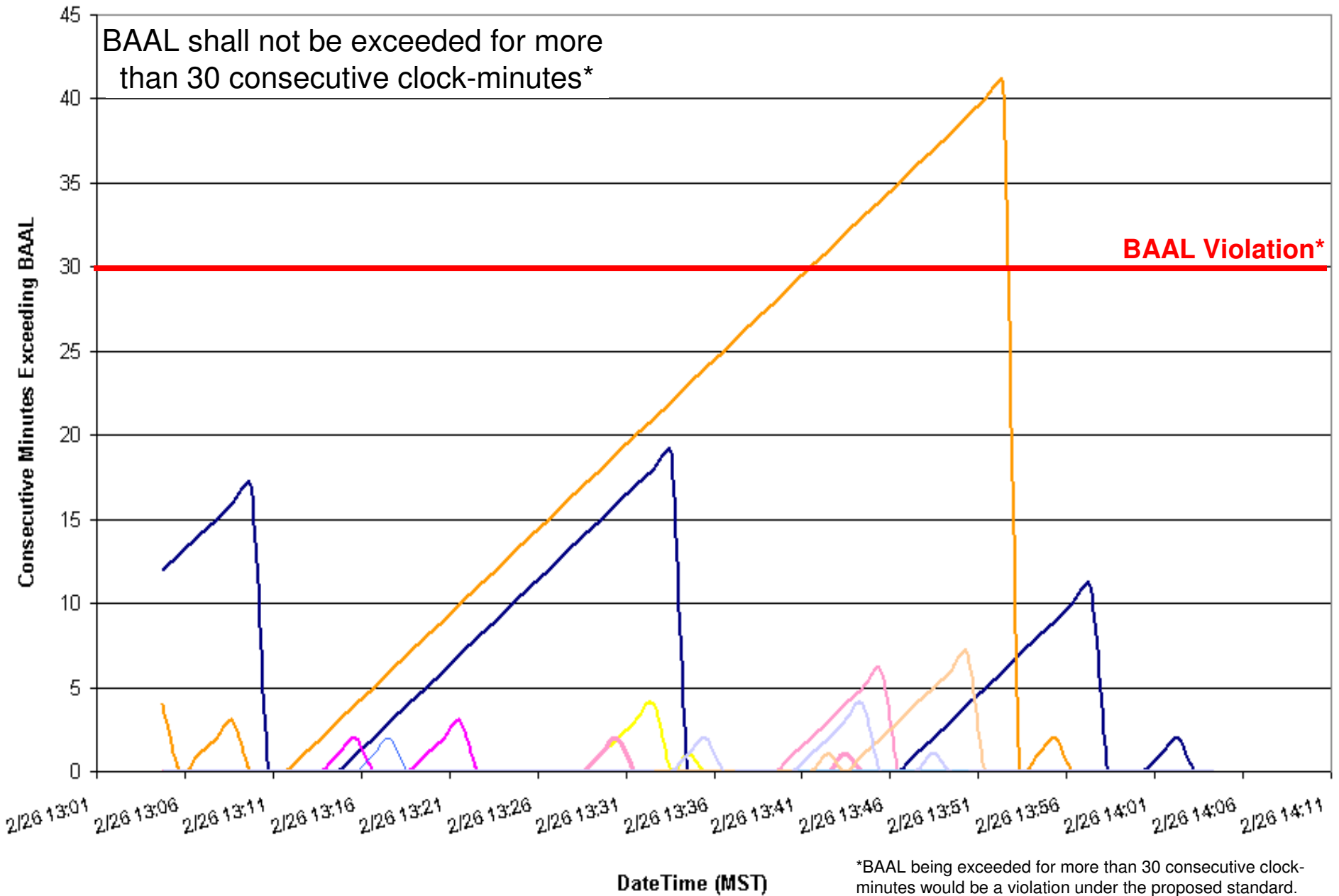


02/26/2011 ending 12:55 PST

41 minute duration above BAAL_{High}

60.02 Scheduled Frequency TEC

Consecutive Minutes Exceeding BAAL



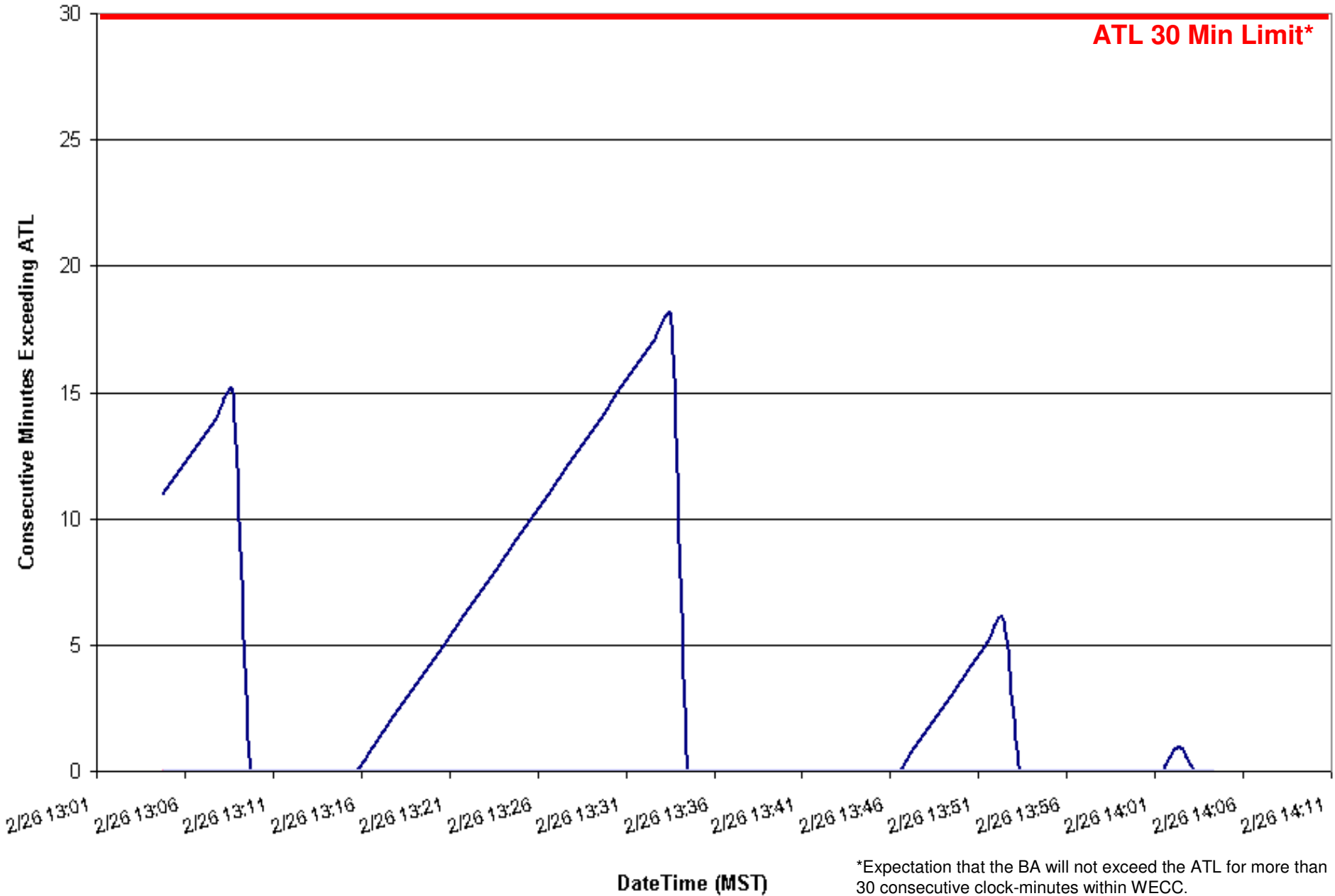
*BAAL being exceeded for more than 30 consecutive clock-minutes would be a violation under the proposed standard.

02/26/2011 ending 12:55 PST

41 minute duration above BAAL_{High}

60.02 Scheduled Frequency TEC

Consecutive Minutes Exceeding ATL



*Expectation that the BA will not exceed the ATL for more than 30 consecutive clock-minutes within WECC.

Balancing Authority ACE Limit Proof-of-Concept Field Trial

Examples of circumstances when BAAL was exceeded and actions taken if appropriate

On a monthly basis, each Balancing Authority will review its performance for the prior month and identify any periods where the ACE exceeded the low BAAL ("BAALLow"), the high BAAL ("BAALHigh"), the low ATL or high ATL for more than 30 consecutive clock-minutes. To help the RBCSDT gain a better understanding of the circumstances that all Balancing Authorities may be faced while operating under BAL-007, each Balancing Authority will provide a brief explanation of the circumstances related to any periods where the duration of consecutive clock-minutes exceeded 30 minutes. In the event that no period exceeded 30 minutes in the prior month, but the longest duration exceeded 25 minutes, the Balancing Authority will provide a brief explanation of the circumstances related to that longest-duration event.

Limit Exceeded (Enter one of the following: BAAL high, BAAL low, ATL high, ATL low)	Clock-minute of ACE exceeding the BAAL or ATL (mm/dd/yy hh:mm)	Clock-minute of ACE returning within the BAAL or ATL (mm/dd/yy hh:mm)	Time Zone	Total duration of ACE exceeding the BAAL or ATL (minutes)	Event associated with a DCS-Reportable Event? (0=No, 1=Yes)	Event associated with a resource loss other than a DCS-Reportable Event? (0=No, 1=Yes)	Brief explanation of circumstances and notable actions taken if applicable
BAAL high	2/2/11 2:59	2/2/11 3:19	MST	21	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL high	2/2/11 4:54	2/2/11 6:33	MST	100	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL high	2/2/11 7:27	2/2/11 14:45	MST	439	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL low	2/2/11 18:01	2/2/11 18:24	MST	24	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL low	2/2/11 19:39	2/2/11 20:06	MST	28	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.

Balancing Authority ACE Limit Proof-of-Concept Field Trial

Examples of circumstances when BAAL was exceeded and actions taken if appropriate

Limit Exceeded (Enter one of the following: BAAL high, BAAL low, ATL high, ATL low)	Clock-minute of ACE exceeding the BAAL or ATL (mm/dd/yy hh:mm)	Clock-minute of ACE returning within the BAAL or ATL (mm/dd/yy hh:mm)	Time Zone	Total duration of ACE exceeding the BAAL or ATL (minutes)	Event associated with a DCS-Reportable Event? (0=No, 1=Yes)	Event associated with a resource loss other than a DCS-Reportable Event? (0=No, 1=Yes)	Brief explanation of circumstances and notable actions taken if applicable
BAAL high	2/2/11 23:25	2/2/11 23:50	MST	26	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL high	2/3/11 0:14	2/3/11 0:51	MST	38	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL high	2/3/11 14:48	2/3/11 15:10	MST	23	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL high	2/3/11 16:56	2/3/11 18:00	MST	65	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL low	2/4/11 3:36	2/4/11 3:55	MST	20	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
ATL low	2/4/11 4:30	2/4/11 4:54	MST	25	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL low	2/4/11 5:28	2/4/11 5:50	MST	23	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL low	2/4/11 23:09	2/4/11 23:30	MST	22	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.

Balancing Authority ACE Limit Proof-of-Concept Field Trial

Examples of circumstances when BAAL was exceeded and actions taken if appropriate

Limit Exceeded (Enter one of the following: BAAL high, BAAL low, ATL high, ATL low)	Clock-minute of ACE exceeding the BAAL or ATL (mm/dd/yy hh:mm)	Clock-minute of ACE returning within the BAAL or ATL (mm/dd/yy hh:mm)	Time Zone	Total duration of ACE exceeding the BAAL or ATL (minutes)	Event associated with a DCS-Reportable Event? (0=No, 1=Yes)	Event associated with a resource loss other than a DCS-Reportable Event? (0=No, 1=Yes)	Brief explanation of circumstances and notable actions taken if applicable
ATL high	2/5/11 23:55	2/6/11 0:54	MST	60	0	1	Several generating units tripped due to record-low temperatures placing BA into an Energy Emergency Alert with no units were on AGC.
BAAL low	2/8/11 17:31	2/8/11 17:50	MST	20	0	0	It appears a telemetry error occurred causing ACE to be low.
ATL High	2/2/11 21:32	2/2/11 22:05	PST	34	0	0	wind event
MinCTHigh	2/21/11 22:23	2/21/11 22:52	PST	30	0	0	Frequency high when a unit was prevented from coming off-line due to valve problem. Insufficient units on AGC to compensate.
MinCTHigh	2/26/11 12:09	2/26/11 12:55	PST	41	0	0	Frequency high an insufficient units on AGC
BAAL High	2/2/11 13:15	2/2/11 13:44	MST	30	0	0	Wind speed was forecasted to decrease during the hour and operator was anticipating a reduction in output. The reduction DID, in fact, begin to occur, but the operator recognized that output was not decreasing quickly enough to meet BAAL within the 30-minute limit and capped generation
ATL Low	2/9/11 6:03	2/9/11 6:28	PST	26	0	0	ATL outside of limits due to a combination of factors, 1) morning load pull, 2) large interchange out ramp (700 MW), 3) cycling resources coming on early caused resource uninstructed deviations at the end of previous hour, and resources scheduled for HE07 were slow responding to dispatch 4) ramp constrained units slow in ACE recovery

Balancing Authority ACE Limit Proof-of-Concept Field Trial Project 2010-14

Discussion

Bob Klueber- Midwest ISO

Balancing Authority Reliability-based Control Standard Drafting Team (BARCSDT)

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