

METEOROLOGICAL DATA FOR 2015

Taunton 2W

Latitude: 41° 53' 56" N Longitude: 71° 08' 19" W Elevation (Ground): 50 feet Time Zone: Eastern

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
TEMPERATURE													
Average													
-Daily Maximum	34.5	29.3	42.3	58.0	74.5	74.0	82.9	83.0	78.2	62.6	56.5	53.2	60.7
-Daily Minimum	14.8	3.9	21.1	35.3	46.4	52.0	59.4	59.1	52.2	39.1	33.4	35.1	37.6
-Monthly	24.6	16.6	31.7	46.6	60.4	63.0	71.1	71.1	65.2	50.9	45.0	44.2	49.2
-Monthly Dew Point	16.8	10.4	21.5	36.2	49.9	56.3	63.7	63.9	58.9	43.4	38.0	39.0	41.5
Extremes													
-Highest	53.2	41.9	59.7	74.1	86.0	85.8	92.0	90.6	93.6	75.3	72.7	68.4	93.6
-Date	18	22	11	18	10	11	20	18	8	12	3	24	SEP 8
-Lowest	-8.0	-14.5	-4.7	19.0	32.1	37.6	48.3	49.0	31.9	20.1	16.9	21.7	-14.5
-Date	29	21	1	2	2	4	5	10	27	19	25	1	FEB 21
DEGREE DAYS													
Heating Base 65°F	1243	1348	1024	544	166	119	4	2	73	433	591	635	6182
Cooling Base 65°F	0	0	0	0	33	70	204	200	89	0	0	0	596
SOLAR RADIATION (W/m2)	72.9	103.7	155.9	193.5	258.9	224.1	240.7	236.1	190.8	127.7	85.3	55.8	162.1
NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	0	0	0	0	0	0	0	0	0	0	0	0	0
-Partly Cloudy	0	0	0	0	0	0	0	0	0	0	0	0	0
-Cloudy	0	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation													
.01 inches or more	11	12	17	15	6	8	12	5	6	9	9	15	125
Snow, Ice pellets													
1.0 inches or more	6	11	4	0	0	0	0	0	0	0	0	0	21
Thunderstorms	0	0	0	1	1	1	4	5	1	0	0	0	13
Heavy Fog, visibility													
¼ mile or less	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPERATURE:													
-Maximum													
90°F and above	0	0	0	0	0	0	2	2	1	0	0	0	5
32°F and below	11	20	2	0	0	0	0	0	0	0	0	0	33
-Minimum													
32°F and below	29	28	27	9	1	0	0	0	1	8	17	14	134
0°F and below	2	12	1	0	0	0	0	0	0	0	0	0	15
PRESSURE													
Average													
-Monthly	30.043	30.012	30.042	29.956	30.101	29.964	29.885	29.953	30.057	30.066	30.158	30.075	30.026
Extremes													
-Highest	30.66	30.74	30.70	30.48	30.35	30.32	30.15	30.18	30.50	30.60	30.86	30.63	30.86
-Date	11	28	1	16	9	4	6	29	26	27	25	5	NOV 25
-Lowest	29.11	29.26	29.38	29.38	29.64	29.60	29.52	29.69	29.65	29.45	29.42	29.24	29.11
-Date	24	15	17	4	20	21	21	1	11	29	13	15	JAN 24
RELATIVE HUMIDITY (%)													
Average													
-Monthly	71.7	72.2	68.5	69.6	71.8	78.9	79.0	80.0	82.5	77.4	78.5	83.3	76.1
-Local Time													
Hour 01	77	76	78	83	85	92	92	94	94	85	89	87	86
Hour 07	79	80	79	81	83	87	89	94	95	90	88	89	86
Hour 13	62	63	55	53	54	64	60	60	63	60	60	72	61
Hour 19	73	74	66	64	66	71	74	75	83	79	81	85	74
PRECIPITATION													
Water Equivalent													
-Total	3.06	3.00	4.18	2.33	1.92	3.81	2.18	2.63	3.79	2.34	2.87	4.92	37.03
-Greatest (24 hrs)	0.80	0.99	1.35	0.66	1.42	1.33	0.65	1.12	2.22	1.22	1.43	1.46	2.22
-Date	24	2	14-15	20-21	31	21	1	4	29-30	28-29	20	23-24	SEP 29-30
Snow, Ice pellets													
-Total	27.1	53.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	96.3
-Greatest (day)	13.5	10.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	13.5
-Date	27	2	5	1	1	1	1	1	1	1	1	29	JAN 27
WIND													
Resultant													
-Direction	295	307	285	282	204	188	221	222	194	307	284	280	277
-Speed	3.5	3.8	3.2	1.6	2.0	0.5	1.2	1.1	0.2	1.2	1.5	1.2	1.4
Average Speed	5.5	5.4	5.2	5.3	4.7	3.9	3.2	3.0	2.9	4.1	3.8	3.7	4.2
Maximum Two-minute													
Average													
-Direction	NW	NW	NW	NW	WNW	SSW	S	SSW	S	S	WNW	WNW	NW
-Speed	28	28	30	29	19	19	16	21	20	23	21	24	30
-Date	31	15	17	4	12	8	7	4	30	29	14	3	MAR 17
Peak Gust													
-Direction	NW	NW	W	NW	NW	SSW	SW	W	SSE	S	NNW	NW	W
-Speed	41	43	47	43	31	31	28	30	37	41	31	39	47
-Date	27	15	17	4	13	8	30	4	30	29	14	15	MAR 17

MEANS AND EXTREMES*

Taunton 2W

Latitude: 41° 53' 56" N Longitude: 71° 08' 19" W Elevation (Ground): 50 feet Time Zone: Eastern

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
TEMPERATURE													
Average													
-Daily Maximum	37.1	39.6	47.7	58.9	68.7	76.6	82.2	80.9	74.3	62.6	53.1	43.5	60.4
-Daily Minimum	17.6	19.0	26.7	35.9	45.5	54.8	60.7	58.6	50.9	40.2	32.1	24.4	38.9
-Monthly	27.4	29.3	37.2	47.4	57.1	65.7	71.4	69.7	62.6	51.4	42.6	34.0	49.6
-Monthly Dew Point	18.5	18.7	25.8	35.0	46.3	57.0	63.0	61.6	54.5	40.3	31.1	26.5	39.9
Extremes													
-Record Highest	69.0	65.0	81.2	91.0	95.1	96.3	98.7	98.2	93.6	84.7	76.0	77.0	98.7
-Year	2002	2000	2012	2002	2010	2008	2010	2006	2015	2011	2003	1998	JUL 2010
-Record Lowest	-13.2	-14.5	-4.7	19.0	24.0	35.8	43.0	35.0	28.0	19.7	5.0	-1.0	-14.5
-Year	2014	2015	2015	2015	2001	2011	2002	1998	2000	2008	2000	2000	FEB 2015
MEAN DEGREE DAYS													
Heating Base 65°F	1162	1004	858	526	261	74	10	19	123	423	669	959	6088
Cooling Base 65°F	0	0	0	2	20	99	213	169	55	6	0	0	565
MEAN SOLAR RADIATION	62.7	88.9	116.8	150.3	163.3	174.7	180.1	157.1	129.0	89.3	64.4	49.2	118.8
MEAN NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	20.9	19.1	20.9	19.5	20.3	19.2	18.6	17.4	17.9	17.3	16.9	19.4	227.4
-Partly Cloudy	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
-Cloudy	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Precipitation ≥ .01"													
Snow, Ice plts. ≥ 1.0"	4.1	3.4	2.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	2.7	13.3
Thunderstorms	0.4	0.5	0.5	0.5	2.3	2.7	3.8	2.6	1.1	0.9	0.2	0.3	15.8
Heavy Fog, vis. ≤ ¼ mi	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
TEMPERATURE:													
-Maximum													
90°F and above	0.0	0.0	0.0	0.1	0.5	1.7	3.4	2.1	0.3	0.0	0.0	0.0	8.0
32°F and below	10.0	6.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.3	22.7
-Minimum													
32°F and below	28.0	26.5	23.8	11.3	2.3	0.0	0.0	0.0	0.3	7.4	17.3	24.6	141.6
0°F and below	2.4	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.0
PRESSURE													
Average													
-Monthly	29.982	29.970	29.986	29.961	29.985	29.931	29.927	29.970	30.033	29.999	30.036	30.010	29.983
Extremes													
-Record Highest	30.82	30.74	30.79	30.77	30.60	30.46	30.33	30.56	30.60	30.65	30.86	30.78	30.86
-Year	1999	2015	2011	2014	2001	2002	2009	2002	2014	2001	2015	2000	NOV 2015
-Record Lowest	28.87	28.70	28.76	28.86	29.31	29.26	29.45	29.07	29.12	29.01	28.69	28.75	28.69
-Year	2003	2010	2005	2007	2008	2007	2014	2011	2002	2006	2005	2010	NOV 2005
RELATIVE HUMIDITY (%)													
Average													
-Monthly	69.9	66.3	66.6	65.9	71.0	75.5	76.4	77.6	78.7	74.4	71.4	74.8	72.4
-Local Time													
Hour 01	76	74	76	79	84	88	90	90	90	84	79	81	83
Hour 07	78	76	75	78	81	84	86	89	91	85	79	82	82
Hour 13	58	53	52	49	55	59	59	59	60	57	56	62	57
Hour 19	71	67	65	60	65	70	72	75	80	76	74	77	71
PRECIPITATION													
Water Equivalent													
-Mean	3.48	3.50	5.32	4.04	3.56	4.29	3.40	3.67	4.12	4.51	4.00	4.49	48.39
-Maximum Monthly	6.28	6.54	14.20	7.34	7.46	14.45	9.86	7.39	9.97	13.47	6.80	6.38	14.45
-Year	1999	2008	2010	2007	2006	2006	2009	2011	2008	2005	2002	2002	JUN 2006
-Minimum Monthly	1.21	0.94	0.48	1.43	1.92	0.13	1.27	0.87	0.79	0.71	1.25	1.61	0.13
-Year	2004	2012	2006	1999	2015	1999	2005	2007	2014	2013	2001	1998	JUN 1998
-Greatest (24 hrs)	2.07	3.18	4.15	2.99	2.53	5.22	2.60	4.05	3.58	5.17	3.09	3.01	5.22
-Year	2006	1999	2005	2012	2002	2006	2009	2003	2008	2005	2006	2008	JUN 2006
Snow, Ice pellets													
-Mean	15.8	15.1	9.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.9	10.3	51.6
-Maximum Monthly	46.5	53.4	23.8	3.0	0.0	0.0	0.0	0.0	0.0	2.3	6.2	25.9	53.4
-Year	2005	2015	2013	2003	1999	1999	1999	1998	1998	2011	2004	2008	FEB 2015
-Minimum Monthly	1.9	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Year	2007	2002	2012	1999	1999	1999	1999	1998	1998	1998	1998	1999	AUG 1998
-Greatest (day)	24.7	18.0	12.5	1.7	0.0	0.0	0.0	0.0	0.0	1.8	5.5	13.0	24.7
-Year	2002	2003	2013	2003	1999	1999	1999	1998	1998	2011	2002	2009	JAN 2002
WIND													
Resultant													
-Direction	289	306	299	277	213	225	217	227	250	298	285	295	278
-Speed	3.1	3.3	2.7	1.4	1.3	0.6	1.5	1.0	0.3	1.1	1.9	1.7	1.4
Average Speed	5.3	5.7	6.1	5.8	4.9	4.1	3.8	3.5	3.5	4.3	4.8	5.0	4.7
Maximum Two-minute													
Average													
-Direction	S	SW	S	SE	WSW	SW	NNW	NNW	NNW	NNW	SSW	S	SW
-Speed	36	40	39	35	34	25	28	34	33	34	34	39	40
-Year	2006	2000	1999	2000	2000	2000	2009	1999	1999	1999	2004	2000	FEB 2000
Peak Gust													
-Direction	SSE	SSW	SSE	ESE	W	SSW	NNW	NNW	NW	NNW	NNW	S	SSW
-Speed	58	73	61	61	55	45	44	54	58	61	56	66	73
-Year	1999	2000	1999	2000	2002	2000	2001	1999	1999	1999	2003	2000	FEB 2000

* Length of record: August 1998 to December 2015

Taunton 2W

PRECIPITATION (inches)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
1998								3.54	2.97	5.01	2.86	1.61	15.99
1999	6.28	6.41	4.60	1.43	2.91	0.13	2.10	1.75	7.13	5.57	2.44	2.63	43.38
2000	4.02	3.41	5.42	6.27	4.39	3.92	3.27	2.49	4.35	1.42	3.93	4.50	47.39
2001	2.28	2.39	10.60	2.13	2.68	5.59	1.65	5.38	3.72	1.13	1.25	3.29	42.09
2002	3.17	2.06	5.55	3.16	6.58	3.67	1.44	1.62	6.36	3.52	6.80	6.38	50.31
2003	2.74	4.89	6.10	5.98	3.63	5.73	4.41	5.95	3.08	6.50	2.93	6.28	58.22
2004	1.21	1.73	2.85	7.23	2.95	1.33	3.96	6.16	6.51	2.08	4.25	4.61	44.87
2005	5.43	3.41	6.74	4.97	5.97	0.60	1.27	4.39	3.90	13.47	5.60	3.40	59.15
2006	6.21	2.92	0.48	3.15	7.46	14.45	1.48	3.72	2.38	6.13	6.54	2.26	57.18
2007	2.85	2.29	7.38	7.34	2.88	3.30	5.84	0.87	1.76	2.27	2.88	4.92	44.58
2008	3.22	6.54	5.28	2.95	2.02	2.40	3.86	1.27	9.97	1.44	5.04	6.34	50.33
2009	3.80	1.57	2.96	4.89	2.38	4.25	9.86	2.60	2.08	6.96	3.10	5.30	49.75
2010	3.45	4.39	14.20	1.84	2.75	3.88	4.52	4.27	1.77	4.15	3.64	3.50	52.36
2011	2.99	3.95	2.06	4.68	2.28	3.40	2.93	7.39	6.42	6.97	4.47	4.06	51.60
2012	2.33	0.94	1.09	3.24	3.78	4.00	3.00	6.55	5.33	5.38	1.99	5.87	43.50
2013	2.13	4.77	4.87	2.09	3.32	10.86	2.11	3.94	1.89	0.71	4.80	4.74	46.23
2014	3.96	4.89	6.15	5.01	2.54	1.64	3.86	1.63	0.79	6.14	6.66	6.28	49.55
2015	3.06	3.00	4.18	2.33	1.92	3.81	2.18	2.63	3.79	2.34	2.87	4.92	37.03

SNOWFALL (inches)

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
1997-98													0.0
1998-99		0.0	0.0	0.0	0.0	5.2	13.2	12.8	14.5	0.0	0.0	0.0	45.7
1999-00	0.0	0.0	0.0	0.0	0.1	0.0	8.4	7.4	1.8	T	0.0	0.0	17.7
2000-01	0.0	0.0	0.0	T	0.0	6.0	11.4	11.8	21.3	T	0.0	0.0	50.5
2001-02	0.0	0.0	0.0	0.0	0.0	4.8	34.0	2.0	3.0	T	0.0	0.0	43.8
2002-03	0.0	0.0	0.0	T	5.5	13.3	7.1	36.3	11.9	3.0	0.0	0.0	77.1
2003-04	0.0	0.0	0.0	T	0.0	23.5	9.5	4.0	11.0	T	0.0	0.0	48.0
2004-05	0.0	0.0	0.0	0.0	6.2	12.2	46.5	19.5	19.9	T	0.0	0.0	104.3
2005-06	0.0	0.0	0.0	0.5	1.0	11.3	7.0	13.2	5.0	T	0.0	0.0	38.0
2006-07	0.0	0.0	0.0	0.0	0.0	1.5	1.9	5.2	11.2	T	0.0	0.0	19.8
2007-08	0.0	0.0	0.0	0.0	T	20.4	7.2	9.6	1.7	0.0	0.0	0.0	38.9
2008-09	0.0	0.0	0.0	0.0	T	25.9	18.6	5.1	8.7	T	0.0	0.0	58.3
2009-10	0.0	0.0	0.0	0.1	0.0	23.1	5.8	8.5	1.0	0.0	0.0	0.0	38.5
2010-11	0.0	0.0	0.0	0.0	0.4	21.1	35.0	10.9	3.5	T	0.0	0.0	70.9
2011-12	0.0	0.0	0.0	2.3	0.0	T	8.3	3.1	0.2	0.0	0.0	0.0	13.9
2012-13	0.0	0.0	0.0	0.0	1.3	6.2	6.2	30.3	23.8	0.0	0.0	0.0	67.8
2013-14	0.0	0.0	0.0	0.0	T	9.1	20.6	23.7	2.2	0.2	0.0	0.0	55.8
2014-15	0.0	0.0	0.0	0.0	2.5	0.2	27.1	53.4	15.0	0.0	0.0	0.0	98.2
2015-16	0.0	0.0	0.0	0.0	0.0	0.8							

Taunton 2W

TEMPERATURE °F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
1998								67.7	62.4	51.5	41.3	36.7	51.9
1999	28.6	32.4	38.3	47.4	57.8	67.6	74.0	69.3	64.5	49.5	45.5	34.7	50.8
2000	25.6	32.8	42.3	46.5	57.3	67.2	67.8	68.3	60.5	50.4	40.3	26.4	48.8
2001	26.0	30.1	34.2	46.5	58.0	68.1	66.8	71.7	62.1	51.7	45.0	36.5	49.7
2002	33.3	33.0	38.4	48.9	54.8	63.1	70.8	70.6	64.3	48.6	40.3	30.1	49.7
2003	22.5	24.2	36.4	43.3	53.0	63.2	70.6	71.9	63.0	48.8	43.5	33.8	47.8
2004	19.6	30.7	37.9	48.7	58.8	63.9	69.1	69.4	63.1	51.1	40.9	33.2	48.9
2005	25.9	29.3	32.6	47.6	51.2	67.7	71.3	73.3	64.4	53.2	43.6	30.6	49.2
2006	36.0	29.8	36.8	47.0	56.8	66.8	74.1	68.7	60.3	50.4	46.8	38.4	51.0
2007	32.2	25.8	36.7	44.5	57.7	65.9	71.0	69.2	62.8	56.4	39.4	30.0	49.3
2008	30.4	31.1	37.6	47.9	54.1	68.2	73.4	67.1	62.0	49.2	40.7	34.1	49.7
2009	22.2	31.1	36.6	48.9	57.6	63.2	68.6	71.9	59.4	49.2	46.4	30.8	48.8
2010	27.0	31.5	42.2	50.5	60.4	68.1	73.8	69.4	64.2	52.2	41.4	29.9	50.9
2011	23.2	27.7	37.2	48.7	58.6	64.7	72.5	70.2	65.3	53.3	46.8	36.6	50.4
2012	32.8	34.6	44.2	49.2	60.1	64.0	72.4	71.4	61.0	54.2	39.2	36.8	51.7
2013	30.0	30.4	36.8	47.2	57.4	67.3	76.2	67.6	60.8	51.6	40.5	31.5	49.8
2014	25.3	26.4	32.7	46.5	57.1	64.5	71.1	66.5	61.9	53.4	39.9	37.0	48.5
2015	24.6	16.6	31.7	46.6	60.4	63.0	71.1	71.1	65.2	50.9	45.0	44.2	49.2

HEATING DEGREE DAYS: Base 65°F

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
1997-98													0
1998-99		46	124	424	720	886	1138	917	836	538	243	63	5935
1999-00	11	34	97	489	593	950	1227	939	710	561	273	57	5941
2000-01	19	28	184	459	749	1205	1216	982	962	564	248	40	6656
2001-02	39	7	136	429	605	891	991	903	835	498	331	129	5794
2002-03	33	30	86	529	748	1090	1326	1148	896	660	381	118	7045
2003-04	1	17	108	512	654	974	1399	985	834	480	208	89	6261
2004-05	10	24	100	419	714	976	1201	992	998	511	419	59	6423
2005-06	11	0	84	374	633	1058	885	978	867	531	267	60	5748
2006-07	0	32	153	444	538	814	1009	1088	868	605	246	64	5861
2007-08	11	34	117	291	760	1076	1064	972	841	504	333	40	6043
2008-09	0	16	135	479	719	951	1320	942	869	482	231	88	6232
2009-10	21	15	174	478	548	1047	1168	931	697	429	172	43	5723
2010-11	6	12	98	397	701	1079	1283	1036	853	485	240	82	6272
2011-12	1	2	78	358	540	873	990	873	643	469	176	106	5109
2012-13	1	4	146	325	766	864	1077	965	864	527	261	47	5847
2013-14	0	14	176	411	723	1031	1221	1069	996	546	245	54	6486
2014-15	0	23	152	355	744	859	1243	1348	1024	544	166	119	6577
2015-16	4	2	73	433	591	635							

Taunton 2W

COOLING DEGREE DAYS: Base 65°F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
1998								119	35	0	0	0	154
1999	0	0	0	0	12	136	284	159	74	0	0	0	665
2000	0	0	0	0	27	114	97	123	46	0	0	0	407
2001	0	0	0	0	23	124	87	208	40	10	0	0	492
2002	0	0	0	8	7	64	202	195	56	12	0	0	544
2003	0	0	0	0	0	57	167	224	38	0	0	0	486
2004	0	0	0	0	24	68	151	169	55	0	0	0	467
2005	0	0	0	0	0	153	215	269	74	17	0	0	728
2006	0	0	0	0	20	123	291	156	20	0	0	0	610
2007	0	0	0	0	28	96	205	176	60	34	0	0	599
2008	0	0	0	0	2	142	267	91	55	2	0	0	559
2009	0	0	0	10	10	42	142	238	14	0	0	0	456
2010	0	0	0	3	41	147	286	161	85	10	0	0	733
2011	0	0	0	2	46	79	240	171	93	4	0	0	635
2012	0	0	4	6	35	85	240	208	33	4	0	0	615
2013	0	0	0	0	31	124	354	103	62	3	0	0	677
2014	0	0	0	0	8	51	196	79	63	7	0	0	404
2015	0	0	0	0	33	70	204	200	89	0	0	0	596

STATION LOCATION AND INSTRUMENTATION
Taunton 2W

Location	Occupied from	Occupied to	Latitude North	Longitude West	Elevation Above (ft)						
					Sea Level	Ground					
						Wind	Sun	Temp	Humidity	Rain	Barometer
14 Lilac Way Taunton, MA	08/01/1998	Present	41° 53' 56"N	71° 08' 19"W	50	30	5	5	5	5	5

INSTRUMENTATION DETAIL

Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.

The following equipment is used for measuring meteorological data at this station:

Davis Vantage Pro Plus

OBSERVER NOTES

None.