

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 395 ft. Lat: 33.6186° N Lon: -114.7142° W
 Station: **BLYTHE ASOS, CA US 23158**

Local Climatological Data Hourly Observations November 2018

Generated on 12/04/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0052	7	CLR:00	10.00		51	10.6	39	4.1	22	-5.6	32	3	060		29.51	8	+0.04	29.91	FM-15	0.00	29.93
28	0152	7	CLR:00	10.00		52	11.1	41	4.9	25	-3.9	35	0	000		29.50			29.91	FM-15	0.00	29.92
28	0252	7	CLR:00	10.00		50	10.0	39	3.8	22	-5.6	33	7	320		29.50			29.91	FM-15	0.00	29.92
28	0352	7	CLR:00	10.00		49	9.4	38	3.4	21	-6.1	33	7	320		29.50	5	+0.00	29.91	FM-15	0.00	29.92
28	0452	7	CLR:00	10.00		46	7.8	37	2.6	22	-5.6	38	0	000		29.50			29.92	FM-15	0.00	29.92
28	0552	7	CLR:00	10.00		47	8.3	38	3.6	26	-3.3	44	3	230		29.50			29.91	FM-15	0.00	29.92
28	0652	7	CLR:00	10.00		48	8.9	38	3.6	24	-4.4	39	5	240		29.49	8	+0.02	29.90	FM-15	0.00	29.91
28	0752	7	CLR:00	10.00		52	11.1	41	4.9	25	-3.9	35	0	000		29.51			29.92	FM-15	0.00	29.93
28	0852	6	CLR:00	10.00		56	13.3	43	6.1	25	-3.9	30	0	000		29.51			29.92	FM-15	0.00	29.93
28	0952	6	CLR:00	10.00		60	15.6	47	8.2	31	-0.6	33	6	120		29.49	0	-0.00	29.90	FM-15	0.00	29.91
28	1052	6	CLR:00	10.00		65	18.3	48	9.1	29	-1.7	26	3	170		29.46			29.87	FM-15	0.00	29.88
28	1152	6	CLR:00	10.00		69	20.6	51	10.5	31	-0.6	24	9	190		29.42			29.83	FM-15	0.00	29.84
28	1252	6	CLR:00	10.00		74	23.3	53	11.7	31	-0.6	20	9	170		29.40	7	+0.09	29.81	FM-15	0.00	29.82
28	1352	6	CLR:00	10.00		76	24.4	54	12.1	31	-0.6	19	9	170		29.39			29.79	FM-15	0.00	29.81
28	1452	6	CLR:00	10.00		77	25.0	54	12.2	30	-1.1	18	15	170		29.37			29.78	FM-15	0.00	29.79
28	1552	6	CLR:00	10.00		74	23.3	54	12.2	34	1.1	23	9	170		29.38	5	+0.01	29.79	FM-15	0.00	29.80
28	1652	6	CLR:00	10.00		70	21.1	52	11.3	34	1.1	27	9	180		29.39			29.80	FM-15	0.00	29.81
28	1752	6	CLR:00	10.00		68	20.0	51	10.4	32	0.0	26	9	180		29.39			29.80	FM-15	0.00	29.81
28	1852	6	CLR:00	10.00		65	18.3	49	9.5	31	-0.6	28	9	210		29.41	3	-0.03	29.82	FM-15	0.00	29.83
28	1952	6	CLR:00	10.00		64	17.8	50	9.8	34	1.1	33	10	210		29.42			29.83	FM-15	0.00	29.84
28	2052	6	CLR:00	10.00		61	16.1	49	9.4	36	2.2	39	6	VRB		29.42			29.83	FM-15	0.00	29.84
28	2152	6	CLR:00	10.00		59	15.0	48	8.9	36	2.2	42	3	130		29.41	0	-0.00	29.82	FM-15	0.00	29.83
28	2252	6	CLR:00	10.00		58	14.4	48	8.6	36	2.2	44	5	180		29.41			29.82	FM-15	0.00	29.83
28	2352	6	CLR:00	10.00		57	13.9	48	8.8	38	3.3	49	0	000		29.39			29.80	FM-15	0.00	29.81

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 Current Location: Elev: 395 ft. Lat: 33.6186° N Lon: -114.7142° W
 Station: **BLYTHE ASOS, CA US 23158**

Local Climatological Data Hourly Observations November 2018

Generated on 12/04/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0052	6	CLR:00	10.00		56	13.3	48	9.0	40	4.4	55	0	000		29.38	8	+0.02	29.79	FM-15	0.00	29.80
29	0152	6	CLR:00	10.00		54	12.2	48	8.9	42	5.6	64	10	180		29.38			29.79	FM-15	0.00	29.80
29	0252	6	CLR:00	10.00		54	12.2	48	8.9	42	5.6	64	6	180		29.37			29.78	FM-15	0.00	29.79
29	0352	6	CLR:00	10.00		52	11.1	47	8.2	41	5.0	66	6	140		29.36	8	+0.03	29.77	FM-15	0.00	29.78
29	0452	6	CLR:00	10.00		53	11.7	47	8.2	40	4.4	61	6	320		29.36			29.77	FM-15	0.00	29.78
29	0552	6	CLR:00	10.00		51	10.6	46	7.6	40	4.4	66	5	320		29.37			29.78	FM-15	0.00	29.79
29	0652	6	CLR:00	10.00		51	10.6	46	7.6	40	4.4	66	6	350		29.39	3	-0.03	29.80	FM-15	0.00	29.81
29	0752	6	CLR:00	10.00		54	12.2	48	8.7	41	5.0	62	3	VRB		29.39			29.80	FM-15	0.00	29.81
29	0852	6	CLR:00	10.00		64	17.8	56	13.2	49	9.4	58	11	180		29.38			29.79	FM-15	0.00	29.80
29	0952	6	CLR:00	10.00		67	19.4	58	14.2	50	10.0	55	15	210	21	29.39	5	+0.00	29.80	FM-15	0.00	29.81
29	1050	6	CLR:00	10.00		70	21.0	59	14.9	50	10.0	50	14	180		29.36				FM-16		29.78
29	1052	6	CLR:00	10.00		69	20.6	58	14.6	50	10.0	51	15	180		29.36			29.77	FM-15	0.00	29.78
29	1059	6	CLR:00	10.00		69	20.6	58	14.6	50	10.0	51	16	170		29.35				FM-16		29.77
29	1152	6	CLR:00	10.00		70	21.1	59	14.8	50	10.0	49	16	170		29.32			29.73	FM-15	0.00	29.74
29	1252	6	FEW:02 65	10.00		70	21.1	58	14.3	48	8.9	46	13	170		29.29	8	+0.10	29.70	FM-15	0.00	29.71
29	1352	6	OVC:08 85	10.00		72	22.2	57	14.0	45	7.2	38	23	210		29.26			29.67	FM-15	0.00	29.68
29	1452	6	OVC:08 60	10.00		70	21.1	56	13.4	44	6.7	39	13	190		29.27			29.68	FM-15	0.00	29.69
29	1552	6	OVC:08 60	6.00	HZ:7 HZ	68	20.0	58	14.7	51	10.6	55	22	240	31	29.29	3	-0.00	29.70	FM-15	T	29.71
29	1652	6	FEW:02 40 SCT:04 49 OVC:08 60	10.00		64	17.8	57	13.8	51	10.6	63	21	230		29.29			29.70	FM-15	T	29.71
29	1752	6	FEW:02 70 OVC:08 85	9.00		66	18.9	55	12.7	45	7.2	47	22	230	29	29.29			29.70	FM-15	0.00	29.71
29	1852	6	SCT:04 110	10.00		61	16.1	53	11.7	46	7.8	58	15	240		29.30	3	-0.01	29.72	FM-15	T	29.72
29	1952	6	CLR:00	10.00		61	16.1	52	11.2	44	6.7	54	13	230		29.31			29.71	FM-15	0.00	29.73
29	2052	6	CLR:00	10.00		60	15.6	52	11.0	44	6.7	56	8	210		29.30			29.71	FM-15	0.00	29.72
29	2152	6	CLR:00	10.00		57	13.9	51	10.5	45	7.2	64	15	190		29.31	3	-0.00	29.72	FM-15	0.00	29.73
29	2252	6	CLR:00	10.00		59	15.0	50	10.2	42	5.6	54	14	210		29.29			29.70	FM-15	0.00	29.71

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 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 395 ft. Lat: 33.6186° N Lon: -114.7142° W
 Station: BLYTHE ASOS, CA US 23158

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0052	6	CLR:00	10.00		57	13.9	50	10.0	43	6.1	60	3	VRB		29.30	5	+0.01	29.71	FM-15	0.00	29.72
30	0152	6	CLR:00	10.00		54	12.2	48	8.9	42	5.6	64	6	090		29.31			29.72	FM-15	0.00	29.73
30	0252	6	CLR:00	10.00		59	15.0	51	10.5	43	6.1	56	8	180		29.32			29.72	FM-15	0.00	29.74
30	0352	6	CLR:00	10.00		54	12.2	49	9.2	43	6.1	67	5	170		29.32	1	-0.02	29.73	FM-15	0.00	29.74
30	0452	6	CLR:00	10.00		52	11.1	48	8.7	43	6.1	72	6	130		29.34			29.75	FM-15	0.00	29.76
30	0552	6	CLR:00	10.00		52	11.1	48	8.9	44	6.7	75	0	000		29.37			29.78	FM-15	0.00	29.79
30	0652	6	CLR:00	10.00		50	10.0	47	8.4	44	6.7	80	7	140		29.39	1	-0.06	29.80	FM-15	0.00	29.81
30	0752	6	CLR:00	10.00		57	13.9	50	10.2	44	6.7	62	5	180		29.41			29.82	FM-15	0.00	29.83
30	0852	6	CLR:00	10.00		60	15.6	52	11.2	45	7.2	58	3	320		29.44			29.85	FM-15	0.00	29.86
30	0952	6	CLR:00	10.00		64	17.8	54	12.0	44	6.7	48	3	240		29.46	1	-0.07	29.87	FM-15	0.00	29.88
30	1052	6	CLR:00	10.00		67	19.4	53	11.8	40	4.4	37	5	280		29.45			29.85	FM-15	0.00	29.87
30	1152	6	CLR:00	10.00		69	20.6	54	12.0	39	3.9	33	11	270		29.43			29.84	FM-15	0.00	29.85
30	1252	6	CLR:00	10.00		70	21.1	54	12.3	39	3.9	32	5	VRB		29.41	8	+0.05	29.82	FM-15	0.00	29.83
30	1352	6	CLR:00	10.00		70	21.1	53	11.8	37	2.8	30	6	VRB		29.40			29.81	FM-15	0.00	29.82
30	1452	6	CLR:00	10.00		71	21.7	54	12.1	37	2.8	29	10	240		29.42			29.82	FM-15	0.00	29.84
30	1552	6	CLR:00	10.00		70	21.1	54	12.5	40	4.4	34	7	170		29.42	3	-0.01	29.83	FM-15	0.00	29.84
30	1652	6	CLR:00	10.00		66	18.9	53	11.7	41	5.0	40	6	150		29.43			29.84	FM-15	0.00	29.85
30	1752	6	CLR:00	10.00		65	18.3	52	11.3	40	4.4	40	11	230		29.45			29.86	FM-15	0.00	29.87
30	1852	6	CLR:00	10.00		62	16.7	51	10.5	40	4.4	44	9	250		29.45	1	-0.03	29.86	FM-15	0.00	29.87
30	1952	6	FEW:02 75	10.00		61	16.1	52	11.0	43	6.1	52	6	300		29.48			29.88	FM-15	0.00	29.90
30	2052	6	SCT:04 75	10.00		59	15.0	50	9.8	40	4.4	49	3	030		29.49			29.90	FM-15	0.00	29.91
30	2152	6	CLR:00	10.00		58	14.4	49	9.3	39	3.9	50	3	230		29.49	1	-0.04	29.90	FM-15	0.00	29.91
30	2252	6	CLR:00	10.00		54	12.2	48	8.7	41	5.0	62	6	270		29.52			29.93	FM-15	0.00	29.94
30	2352	6	CLR:00	10.00		57	13.9	47	8.6	37	2.8	47	7	310		29.51			29.92	FM-15	0.00	29.93

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 2641 ft. Lat: 32.6261° N Lon: -116.4681° W
 Station: CAMPO ASOS, CA US 03164

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0052	7				42	5.6	34	1.0	21	-6.1	43	6	040		27.25	8	+0.04	29.92	FM-15	0.00	29.98
28	0152	7				40	4.4	33	0.4	21	-6.1	47	7	040		27.25			29.92	FM-15	0.00	29.98
28	0252	7				37	2.8	31	-0.7	20	-6.7	50	8	060		27.24			29.92	FM-15	0.00	29.97
28	0352	7				37	2.8	31	-0.7	20	-6.7	50	7	060		27.24	7	+0.01	29.92	FM-15	0.00	29.97
28	0452	7				38	3.3	31	-0.4	20	-6.7	48	7	050		27.24			29.93	FM-15	0.00	29.97
28	0552	7				36	2.2	30	-1.0	20	-6.7	52	6	030		27.24			29.93	FM-15	0.00	29.96
28	0652	7				37	2.8	31	-0.7	20	-6.7	50	6	060		27.24	5	+0.01	29.93	FM-15	0.00	29.96
28	0752	7				48	8.9	37	3.0	22	-5.6	36	3	020		27.24			29.92	FM-15	0.00	29.96
28	0852	7				59	15.0	43	6.3	23	-5.0	25	0	000		27.22			29.90	FM-15	0.00	29.95
28	0952	7				65s	18.3s	46	8.0	24	-4.4	21	8	220		27.22	5	+0.01	29.90	FM-15	0.00	29.95
28	1052	7				65	18.3	47	8.2	25	-3.9	22	15	210		27.21			29.88	FM-15	0.00	29.94
28	1152	7				63	17.2	48	8.9	32	0.0	31	14	220		27.19			29.85	FM-15	0.00	29.91
28	1252	7				64	17.8	52	11.3	42	5.6	45	17	220	24	27.16	8	+0.06	29.83	FM-15	0.00	29.88
28	1352	7				62	16.7	53	11.6	45	7.2	54	11	230		27.17			29.84	FM-15	0.00	29.89
28	1452	7				61	16.1	52	11.3	45	7.2	56	14	230		27.17			29.85	FM-15	0.00	29.89
28	1552	7				58	14.4	51	10.6	45	7.2	62	14	230		27.18	2	-0.01	29.86	FM-15	0.00	29.90
28	1652	7				53	11.7	49	9.4	45	7.2	74	13	230		27.18			29.87	FM-15	0.00	29.90
28	1752	7				50	10.0	47	8.6	45	7.2	83	6	210		27.19			29.88	FM-15	0.00	29.91
28	1852	7				48	8.9	46	7.8	44	6.7	86	0	000		27.21	3	-0.02	29.90	FM-15	0.00	29.93
28	1952	7				50	10.0	47	8.6	45	7.2	83	0	000		27.21			29.89	FM-15	0.00	29.93
28	2052	7				50	10.0	48	8.9	46	7.8	86	7	200		27.21			29.88	FM-15	0.00	29.93
28	2152	7				49	9.4	47	8.3	45	7.2	86	0	000		27.20	8	+0.01	29.86	FM-15	0.00	29.92
28	2252	7				48	8.9	46	7.8	44	6.7	86	0	000		27.19			29.85	FM-15	0.00	29.91
28	2352	7				49	9.4	46	8.0	44	6.7	83	0	000		27.18			29.84	FM-15	0.00	29.90

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Hourly Observations
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Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0052	7				49	9.4	47	8.6	46	7.8	90	0	000		27.16	8	+0.04	29.82	FM-15	0.01	29.88
29	0152	7				50	10.0	49	9.4	48	8.9	93	6	210		27.16			29.82	FM-15	0.04	29.88
29	0252	7				50	10.0	49	9.4	48	8.9	93	8	210		27.15			29.81	FM-15	0.02	29.87
29	0352	7				50	10.0	49	9.7	49	9.4	96	8	210		27.13	8	+0.02	29.80	FM-15	0.02	29.85
29	0452	7				51	10.6	50	10.0	49	9.4	92	10	210		27.13			29.80	FM-15	0.02	29.85
29	0552	7				51	10.6	50	10.3	50	10.0	96	20	230		27.15			29.82	FM-15	0.03	29.87
29	0652	7				52	11.1	51	10.8	51	10.6	97	16	230		27.14	0	-0.01	29.81	FM-15	0.00	29.86
29	0752	7				52	11.1	51	10.5	50	10.0	93	16	230	24	27.16			29.83	FM-15	0.01	29.88
29	0852	7				52	11.1	51	10.5	50	10.0	93	15	230	21	27.16			29.83	FM-15	0.00	29.88
29	0952	7				52	11.1	51	10.5	50	10.0	93	20	220	28	27.16	1	-0.02	29.84	FM-15	0.00	29.88
29	1052	7				53	11.7	52	11.1	51	10.6	93	15	230		27.13			29.80	FM-15	0.00	29.85
29	1152	7				52	11.1	51	10.5	50	10.0	93	23	230	28	27.11			29.78	FM-15	0.05	29.82
29	1252	7				52	11.1	51	10.5	50	10.0	93	16	220	25	27.08	6	+0.08	29.75	FM-15	0.18	29.80
29	1352	7				52	11.1	50	10.2	49	9.4	89	25	240	32	27.07			29.73	FM-15	0.21	29.78
29	1452	7				50	10.0	48	9.1	47	8.3	89	15	240	20	27.07			29.73	FM-15	0.10	29.78
29	1552	4				49	9.4			45	7.2	86	17	260	33				29.74	FM-15	0.16	29.78
29	1652	7				50	10.0	48	8.9	46	7.8	86	15	250	24	27.08			29.74	FM-15	0.04	29.79
29	1752	7				50	10.0	48	8.9	46	7.8	86	9	270		27.11			29.77	FM-15	0.04	29.82
29	1852	7				50	10.0	48	8.9	46	7.8	86	18	230	25	27.10	0	-0.02	29.76	FM-15	0.00	29.81
29	1923	7				46	7.8	44	6.4	41	5.0	83	13	280	32	27.11				FM-16		29.82
29	1952	7				47	8.3	45	7.0	42	5.6	83	10	280		27.11			29.78	FM-15	0.00	29.83
29	2052	7				49	9.4	46	8.0	44	6.7	83	17	240		27.10			29.76	FM-15	0.00	29.81
29	2152	7				48	8.9	46	8.0	45	7.2	89	23	250	32	27.10	1	-0.00	29.77	FM-15	0.03	29.81
29	2252	7				48	8.9	46	8.0	45	7.2	89	21	250	26	27.08			29.75	FM-15	0.00	29.80
29	2352	7				49	9.4	47	8.3	45	7.2	86	25	260	36	27.08			29.75	FM-15	0.11	29.80

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 2641 ft. Lat: 32.6261° N Lon: -116.4681° W
 Station: CAMPO ASOS, CA US 03164

Local Climatological Data
Hourly Observations
November 2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Generated on 12/07/2018

Date	Time (LST)	Station Type	Sky Conditions	Visi- bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti- meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0052	7				49	9.4	47	8.3	45	7.2	86	24	250	36	27.08	6	+0.01	29.75	FM-15	0.03	29.80
30	0152	7				49	9.4	47	8.3	45	7.2	86	18	230	26	27.08			29.75	FM-15	0.06	29.79
30	0252	7				50	10.0	48	8.9	46	7.8	86	17	250	26	27.10			29.76	FM-15	0.15	29.81
30	0352	7				49	9.4	47	8.3	45	7.2	86	15	270	30	27.11	3	-0.01	29.78	FM-15	0.09	29.82
30	0452	7				49	9.4	47	8.3	45	7.2	86	18	270	26	27.10			29.77	FM-15	0.01	29.81
30	0552	7				49	9.4	47	8.3	45	7.2	86	15	270	25	27.12			29.79	FM-15		29.84
30	0652	7				49	9.4	47	8.3	45	7.2	86	11	240	23	27.14	3	-0.04	29.82	FM-15		29.86
30	0752	7				49	9.4	47	8.6	46	7.8	90	15	230		27.18			29.86	FM-15		29.90
30	0852	4				50	10.0			46	7.8	86	16	240					29.88	FM-15	0.01	29.93

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -118 ft. Lat: 33.6267° N Lon: -116.1594° W
 Station: DESERT RESORTS REGIONAL AIRPORT, CA US 03104

Local Climatological Data Hourly Observations November 2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Generated on 12/07/2018

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0052	7	CLR:00	10.00		50	10.0	43	6.1	34	1.1	54				30.01	8	+0.05	29.90	FM-15	0.00	29.89
28	0152	7	CLR:00	10.00		48	8.9	42	5.5	34	1.1	58				30.02			29.90	FM-15	0.00	29.90
28	0252	7	CLR:00	10.00		46	7.8	40	4.5	32	0.0	58				30.02			29.90	FM-15	0.00	29.90
28	0352	7	CLR:00	10.00		48	8.9	40	4.7	30	-1.1	50				30.01	8	+0.00	29.89	FM-15	0.00	29.89
28	0452	7	CLR:00	10.00		46	7.8	40	4.3	31	-0.6	56				30.01			29.88	FM-15	0.00	29.88
28	0552	7	CLR:00	10.00		41	5.0	37	2.5	30	-1.1	65				30.01			29.87	FM-15	0.00	29.88
28	0652	7	CLR:00	10.00		41	5.0	37	2.5	30	-1.1	65				30.02	3	-0.01	29.90	FM-15	0.00	29.90
28	0752	7	CLR:00	10.00		50	10.0	43	6.1	34	1.1	54				30.01			29.89	FM-15	0.00	29.89
28	0852	7	CLR:00	10.00		62	16.7	50	9.9	37	2.8	40				30.02			29.90	FM-15	0.00	29.90
28	0952	7	CLR:00	10.00		65	18.3	55	12.7	46	7.8	51				30.02	3	-0.00	29.90	FM-15	0.00	29.90
28	1052	7	CLR:00	10.00		69	20.6	56	13.2	44	6.7	41				29.99			29.87	FM-15	0.00	29.87
28	1152	7	CLR:00	10.00		72	22.2	53	11.8	34	1.1	25				29.96			29.84	FM-15	0.00	29.84
28	1252	7	CLR:00	10.00		74	23.3	53	11.4	29	-1.7	19				29.93	6	+0.10	29.80	FM-15	0.00	29.81
28	1352	7	CLR:00	10.00		76	24.4	52	11.1	23s	-5.0s	14	7	150		29.92			29.80	FM-15	0.00	29.80
28	1452	7	CLR:00	10.00		76	24.4	52	11.3	25	-3.9	15	0	000		29.92			29.80	FM-15	0.00	29.80
28	1552	7	CLR:00	10.00		73	22.8	52	10.9	27	-2.8	18	5	140		29.91	6	+0.01	29.79	FM-15	0.00	29.79
28	1652	7	CLR:00	10.00		60	15.6	47	8.4	32	0.0	35	3	110		29.91			29.79	FM-15	0.00	29.79
28	1656	7	FEW:02 2	2.50	HZ:7 FU HZ	62	16.7	48	9.0	32	0.0	32	3	080		29.91				FM-16		29.79
28	1704	7	FEW:02 2	1.75	HZ:7 FU HZ	62	16.7	48	9.1	33	0.6	34	3	050		29.91				FM-16		29.79
28	1706	7	CLR:00	3.00	HZ:7 FU HZ	60	15.6	48	8.6	33	0.6	36	3	040		29.91				FM-16		29.79
28	1752	7	CLR:00	10.00		57	13.9	46	7.6	32	0.0	39	5	310		29.93			29.80	FM-15	0.00	29.81
28	1852	7	CLR:00	10.00		55	12.8	45	7.3	33	0.6	44	6	330		29.94	3	-0.03	29.82	FM-15	0.00	29.82
28	1952	7	CLR:00	10.00		53	11.7	44	6.7	33	0.6	47	3	310		29.96			29.83	FM-15	0.00	29.83
28	2052	7	CLR:00	10.00		61	16.1	51	10.6	41	5.0	48	8	310		29.94			29.82	FM-15	0.00	29.82
28	2152	7	CLR:00	10.00		61	16.1	53	11.8	46	7.8	58	6	340		29.94	8	+0.00	29.82	FM-15	0.00	29.82
28	2252	7	CLR:00	10.00		61	16.1	53	11.8	46	7.8	58	6	330		29.93			29.82	FM-15	0.00	29.81
28	2352	7	CLR:00	10.00		55	12.8	50	9.7	44	6.7	67	0	000		29.92			29.80	FM-15	0.00	29.80

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -118 ft. Lat: 33.6267° N Lon: -116.1594° W
 Station: DESERT RESORTS REGIONAL AIRPORT, CA US 03104

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0052	7	CLR:00	10.00		51	10.6	46	7.9	41	5.0	69	3	180		29.91	7	+0.03	29.79	FM-15	0.00	29.79
29	0152	7	CLR:00	10.00		48	8.9	43	6.4	38	3.3	68	6	130		29.91			29.79	FM-15	0.00	29.79
29	0252	7	SCT:04 75	10.00		49	9.4	45	7.1	40	4.4	71	0	000		29.91			29.78	FM-15	0.00	29.78
29	0352	7	FEW:02 85	10.00		50	10.0	46	7.6	41	5.0	71	5	320		29.89	7	+0.02	29.77	FM-15	0.00	29.77
29	0452	7	CLR:00	10.00		51	10.6	47	8.1	42	5.6	71	3	320		29.89			29.77	FM-15	0.00	29.77
29	0552	7	FEW:02 95	10.00		50	10.0	46	7.9	42	5.6	74	5	120		29.88			29.76	FM-15	0.00	29.76
29	0652	7	SCT:04 80	10.00		50	10.0	46	7.6	41	5.0	71	3	190		29.89	5	+0.00	29.77	FM-15	0.00	29.77
29	0752	7	CLR:00	10.00		56	13.3	50	10.0	44	6.7	65	0	000		29.88			29.76	FM-15	0.00	29.76
29	0852	7	FEW:02 90	10.00		61	16.1	54	12.0	47	8.3	60	5	290		29.89			29.77	FM-15	0.00	29.77
29	0952	7	FEW:02 75 FEW:02 90	8.00		66	18.9	57	13.7	49	9.4	54	0	000		29.86	8	+0.03	29.75	FM-15	0.00	29.74
29	1052	7	BKN:07 95	10.00		73	22.8	60	15.5	50	10.0	44	5	270		29.84			29.72	FM-15	0.00	29.72
29	1152	7	OVC:08 80	10.00		74	23.3	60	15.7	50	10.0	43	7	040		29.80			29.68	FM-15	T	29.68
29	1252	7	BKN:07 70 BKN:07 90	10.00		76	24.4	60	15.4	47	8.3	36	7	290		29.78	6	+0.08	29.67	FM-15	T	29.66
29	1317	7	FEW:02 19 BKN:07 70 OVC:08 100	2.50	HZ:7 FU HZ	75	23.9	60	15.5	48	8.9	39	17	290	36	29.78				FM-16	T	29.66
29	1324	7	FEW:02 24 FEW:02 70 OVC:08 95	8.00		74	23.3	60	15.7	50	10.0	43	21	320	29	29.79				FM-16	T	29.67
29	1352	7	OVC:08 90	10.00		73	22.8	59	15.0	48	8.9	41	14	290	24	29.77			29.65	FM-15	T	29.65
29	1407	7	BKN:07 90	2.50	HZ:7 FU HZ	73	22.8	59	14.8	47	8.3	40	21	330	38	29.77				FM-16		29.65
29	1414	7	BKN:07 95	10.00		73	22.8	59	15.0	48	8.9	41	25	320	33	29.77				FM-16		29.65
29	1452	7	FEW:02 85 BKN:07 110	5.00	HZ:7 FU HZ	69	20.6	57	13.9	47	8.3	45	24	340	37	29.76			29.65	FM-15	0.00	29.64
29	1552	7	FEW:02 65 SCT:04 110	10.00		71	21.7	57	14.1	46	7.8	41	16	350	20	29.80	3	-0.01	29.68	FM-15	0.00	29.68
29	1652	7	SCT:04 85 SCT:04 110	4.00	HZ:7 FU HZ	69	20.6	54	12.1	39	3.9	33	25	240	39	29.82			29.70	FM-15	T	29.70
29	1704	7	FEW:02 85 FEW:02 110	10.00		68	20.0	53	11.8	39	3.9	35	16	290	29	29.84				FM-16		29.72
29	1752	7	CLR:00	10.00		65	18.3	54	12.0	43	6.1	45	8	300		29.85			29.72	FM-15	0.00	29.73
29	1852	7	CLR:00	10.00		63	17.2	52	11.1	41	5.0	45	6	310		29.84	0	-0.04	29.72	FM-15	0.00	29.72
29	1952	7	FEW:02 85 SCT:04 110	10.00		66	18.9	52	11.4	39	3.9	37	11	260		29.85			29.73	FM-15	0.00	29.73
29	2052	7	FEW:02 85	10.00		61	16.1	51	10.8	42	5.6	50	16	330	23	29.83			29.71	FM-15	0.00	29.71
29	2152	7	OVC:08 70	10.00		61	16.1	51	10.3	40	4.4	46	3	300		29.85	3	-0.01	29.73	FM-15	0.00	29.73
29	2252	7	BKN:07 70 BKN:07 85	10.00		59	15.0	50	10.0	41	5.0	51				29.84			29.73	FM-15	0.00	29.72
29	2352	7	FEW:02 70 SCT:04 90	10.00		60	15.6	51	10.5	42	5.6	52	5	290		29.84			29.72	FM-15	0.00	29.72

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -118 ft. Lat: 33.6267° N Lon: -116.1594° W
 Station: DESERT RESORTS REGIONAL AIRPORT, CA US 03104

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0052	7	CLR:00	10.00		52	11.1	46	7.7	39	3.9	61	0	000		29.83	6	+0.01	29.72	FM-15	0.00	29.71
30	0152	7	CLR:00	10.00		50	10.0	45	7.4	40	4.4	68	6	230		29.84			29.72	FM-15	0.00	29.72
30	0252	7	CLR:00	10.00		49	9.4	44	6.6	38	3.3	66	0	000		29.84			29.72	FM-15	0.00	29.72
30	0352	7	CLR:00	10.00		47	8.3	43	6.3	39	3.9	74	0	000		29.86	3	-0.02	29.74	FM-15	0.00	29.74
30	0452	7	CLR:00	10.00		48	8.9	44	6.6	39	3.9	71	0	000		29.88			29.76	FM-15	0.00	29.76
30	0552	7	CLR:00	10.00		48	8.9	44	6.8	40	4.4	74	3	220		29.89			29.78	FM-15	0.00	29.77
30	0652	7	CLR:00	10.00		47	8.3	43	6.3	39	3.9	74	3	040		29.93	3	-0.07	29.81	FM-15	0.00	29.81
30	0752	7	CLR:00	10.00		57	13.9	50	10.3	44	6.7	62	3	060		29.96			29.84	FM-15	0.00	29.84
30	0852	7	CLR:00	10.00		65	18.3	54	12.5	45	7.2	49	0	000		29.97			29.85	FM-15	0.00	29.85
30	0952	7	CLR:00	10.00		68	20.0	56	13.4	46	7.8	45	3	VRB		29.98	1	-0.05	29.86	FM-15	0.00	29.86
30	1052	7	CLR:00	10.00		72	22.2	56	13.4	42	5.6	34	0	000		29.97			29.85	FM-15	0.00	29.85
30	1152	7	CLR:00	10.00		74	23.3	57	13.7	41	5.0	31	8	340		29.96			29.84	FM-15	0.00	29.84
30	1252	7	CLR:00	10.00		75	23.9	56	13.5	39	3.9	27	10	360		29.94	8	+0.04	29.82	FM-15	0.00	29.82
30	1352	7	CLR:00	10.00		75	23.9	57	13.7	40	4.4	28	6	VRB		29.93			29.80	FM-15	0.00	29.81
30	1452	7	CLR:00	10.00		75	23.9	57	13.7	40	4.4	28	7	360		29.96			29.83	FM-15	0.00	29.83
30	1552	7	CLR:00	10.00		74	23.3	56	13.5	40	4.4	29	5	350		29.96	3	-0.01	29.83	FM-15	0.00	29.83
30	1652	7	CLR:00	10.00		67	19.4	54	12.0	41	5.0	39	5	290		29.96			29.84	FM-15	0.00	29.84
30	1752	7	CLR:00	10.00		67	19.4	54	12.5	43	6.1	42	8	330		29.98			29.86	FM-15	0.00	29.86
30	1852	7	CLR:00	10.00		64	17.8	54	12.0	44	6.7	48	8	340		30.01	3	-0.05	29.88	FM-15	0.00	29.88
30	1952	7	CLR:00	10.00		62	16.7	52	11.3	43	6.1	50	7	340		30.01			29.88	FM-15	0.00	29.88
30	2052	7	CLR:00	10.00		63	17.2	53	11.8	44	6.7	50	7	350		30.02			29.90	FM-15	0.00	29.90
30	2152	7	CLR:00	10.00		58	14.4	50	10.3	43	6.1	58	3	310		30.02	1	-0.02	29.90	FM-15	0.00	29.90
30	2252	7	CLR:00	10.00		62	16.7	53	11.5	44	6.7	52	7	330		30.03			29.92	FM-15	0.00	29.91
30	2352	7	CLR:00	10.00		62	16.7	52	11.3	43	6.1	50	7	320		30.04			29.92	FM-15	0.00	29.92

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W
 Station: EL CENTRO NAF, CA US 23199

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0056	7	CLR:00	10.00		51	10.6	39	3.6	18	-7.8	27	6	250		29.96		+0.04	29.97	FM-15	0.00	29.92
28	0156	7	CLR:00	10.00		50	10.0	37	3.0	16	-8.9	26	5	270		29.96			29.96	FM-15	0.00	29.92
28	0256	7	CLR:00	10.00		48	8.9	36	2.3	15	-9.4	27	5	260		29.95			29.96	FM-15	0.00	29.91
28	0356	7	CLR:00	10.00		48	8.9	37	2.8	19	-7.2	32	7	290		29.96	3	-0.00	29.97	FM-15	0.00	29.92
28	0456	7	CLR:00	10.00		48	8.9	36	2.3	15	-9.4	27	3	210		29.96			29.96	FM-15	0.00	29.92
28	0556	7	FEW:02 250	10.00		46	7.8	37	2.8	23	-5.0	40	3	210		29.96			29.96	FM-15	0.00	29.92
28	0656	7	FEW:02 250	10.00		45	7.2	37	2.5	23	-5.0	42	3	240		29.95	8	+0.01	29.95	FM-15	0.00	29.91
28	0756	7	FEW:02 250	10.00		53	11.7	40	4.2	18	-7.8	25	0	000		29.95			29.96	FM-15	0.00	29.91
28	0856	7	FEW:02 250	10.00		59	15.0	47	8.2	32	0.0	36	5	150		29.96			29.96	FM-15	0.00	29.92
28	0956	7	FEW:02 250	10.00		67	19.4	48	9.1	25	-3.9	20	0	000		29.96	0	-0.01	29.96	FM-15	0.00	29.92
28	1056	7	CLR:00	10.00		71	21.7	51	10.5	28	-2.2	20	3	VRB		29.92			29.93	FM-15	0.00	29.88
28	1156	7	CLR:00	10.00		74	23.3	53	11.8	31	-0.6	20	6	080		29.88			29.88	FM-15	0.00	29.84
28	1256	7	CLR:00	10.00		75	23.9	53	11.8	30	-1.1	19	7	140		29.86	6	+0.09	29.87	FM-15	0.00	29.82
28	1356	7	FEW:02 250	10.00		77	25.0	54	12.1	29	-1.7	17	0	000		29.86			29.86	FM-15	0.00	29.82
28	1456	7	FEW:02 250	10.00		77	25.0	53	11.7	26	-3.3	15	7	150		29.85			29.85	FM-15	0.00	29.81
28	1556	7	FEW:02 250	10.00		75	23.9	53	11.7	29	-1.7	18	7	130		29.85	5	+0.01	29.85	FM-15	0.00	29.81
28	1656	7	FEW:02 250	10.00		74	23.3	53	11.6	30	-1.1	20	13	260		29.86			29.87	FM-15	0.00	29.82
28	1756	7	FEW:02 200	10.00		70	21.1	56	13.2	43	6.1	38	11	240		29.87			29.87	FM-15	0.00	29.83
28	1856	7	CLR:00	10.00		66	18.9	55	12.7	45	7.2	47	9	200		29.87	1	-0.02	29.88	FM-15	0.00	29.83
28	1956	7	FEW:02 220	10.00		64	17.8	54	12.0	44	6.7	48	14	280		29.89			29.89	FM-15	0.00	29.85
28	2056	7	FEW:02 220	10.00		61	16.1	51	10.3	40	4.4	46	10	280		29.90			29.91	FM-15	0.00	29.86
28	2156	7	FEW:02 200	10.00		64	17.8	53	11.8	43	6.1	46	20	260		29.89	0	-0.02	29.90	FM-15	T	29.85
28	2256	7	FEW:02 200 FEW:02 250	10.00		63	17.2	53	11.5	43	6.1	48	14	260		29.89			29.89	FM-15	0.00	29.85
28	2356	7	CLR:00	10.00		64	17.8	53	11.8	43	6.1	46	16	260		29.88			29.88	FM-15	0.00	29.84

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W
 Station: EL CENTRO NAF, CA US 23199

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0056	7	CLR:00	10.00		64	17.8	54	12.5	46	7.8	52	17	260		29.87	8	+0.03	29.87	FM-15	0.00	29.83
29	0156	7	CLR:00	10.00		66	18.9	56	13.5	48	8.9	52	18	260		29.86			29.87	FM-15	0.00	29.82
29	0256	7	CLR:00	10.00		64	17.8	56	13.3	49	9.4	58	13	260		29.84			29.85	FM-15	0.00	29.80
29	0356	7	CLR:00	10.00		67	19.4	57	14.0	49	9.4	53	7	280	17	29.83	8	+0.04	29.83	FM-15	0.00	29.79
29	0456	7	CLR:00	10.00		67	19.4	57	14.0	49	9.4	53	15	250		29.82			29.82	FM-15	0.00	29.78
29	0556	7	FEW:02 60 SCT:04 200 BKN:07 250	10.00		68	20.0	58	14.2	49	9.4	51	26	240	36	29.85			29.85	FM-15	0.00	29.81
29	0656	7	FEW:02 60 FEW:02 200 BKN:07 250	10.00		68	20.0	58	14.2	49	9.4	51	16	190	34	29.85	3	-0.02	29.86	FM-15	0.00	29.81
29	0756	7	FEW:02 60 FEW:02 200 BKN:07 250	10.00		64	17.8	55	13.0	48	8.9	56	11	180		29.87			29.87	FM-15	0.00	29.83
29	0842	7	CLR:00	10.00		70	21.1	58	14.4	48	8.9	46	13	210	24	29.87				FM-16		29.83
29	0856	7	FEW:02 60 FEW:02 200 BKN:07 250	10.00		70	21.1	58	14.4	48	8.9	46	8	190		29.87			29.87	FM-15	0.00	29.83
29	0956	7	FEW:02 60 SCT:04 200 BKN:07 250	10.00		73	22.8	59	14.8	47	8.3	40	23	240		29.87	0	-0.01	29.87	FM-15	0.00	29.83
29	1056	7	FEW:02 60 SCT:04 200 BKN:07 250	10.00		72	22.2	58	14.3	46	7.8	40	15	230		29.83			29.83	FM-15	0.00	29.79
29	1156	7	SCT:04 60 SCT:04 200 BKN:07 250	10.00		73	22.8	58	14.5	46	7.8	38	8	360		29.79			29.79	FM-15	0.00	29.75
29	1256	7	BKN:07 60 BKN:07 250	10.00		73	22.8	58	14.5	46	7.8	38	3	VRB		29.77	6	+0.10	29.77	FM-15	0.00	29.73
29	1356	7	BKN:07 65 BKN:07 250	10.00		74	23.3	59	14.8	46	7.8	37	7	VRB		29.75			29.75	FM-15	0.00	29.71
29	1450	7	BKN:07 80	1.75V	-RA:02 RA RA	72	22.0	58	14.3	46	8.0	41	31s	270	38	29.75				FM-16	T	29.71
29	1456	7	BKN:07 75 BKN:07 90	3.00	-RA:02 RA RA	71	21.7	58	14.3	47	8.3	42	34	270	41	29.75			29.75	FM-15	T	29.71
29	1459	7	FEW:02 3 BKN:07 75 BKN:07 90	0.50s	BL:5 DU:5 s	71	21.7	58	14.3	47	8.3	42	37	260	44	29.75				FM-16	T	29.71
29	1512	7	FEW:02 5 BKN:07 75 BKN:07 250	3.00	HZ:7 BL:5 DU:5 FU HZ	70	21.1	57	14.1	47	8.3	44	36	260	43	29.77				FM-16	T	29.73
29	1528	4		8.00		69	20.6			43	6.1	39	37	270	43					FM-16	T	29.74
29	1556	4		10.00		68	20.0			43	6.1	40	26	260	34		9	0.00	29.77	FM-15	T	29.73
29	1656	7	FEW:02 60 SCT:04 75 BKN:07 95	10.00	DZ:01 DZ DZ	64	17.8	54	12.0	44	6.7	48	28	250	33	29.81			29.81	FM-15	T	29.77
29	1756	7	FEW:02 60 BKN:07 110	10.00		65	18.3	53	11.8	42	5.6	43	21	250		29.81			29.81	FM-15	T	29.77
29	1856	7	FEW:02 60 FEW:02 120	10.00		59	15.0	51	10.5	43	6.1	56	5	310		29.83	1	-0.06	29.84	FM-15	0.00	29.79
29	1956	7	FEW:02 60 FEW:02 120	10.00		62	16.7	51	10.8	41	5.0	46	14	240		29.83			29.83	FM-15	0.00	29.79
29	2056	7	FEW:02 60	10.00		60	15.6	49	9.2	36	2.2	41	10	270		29.84			29.84	FM-15	0.00	29.80

29	2156	7	FEW:02 60	10.00		62	16.7	51	10.6	40	4.4	44	20	260		29.83	8	+0.01	29.83	FM-15	0.00	29.79
29	2256	7	FEW:02 60 FEW:02 100	10.00		62	16.7	52	11.0	42	5.6	48	20	240	29	29.81			29.81	FM-15	0.00	29.77
29	2356	7	CLR:00	10.00		62	16.7	51	10.8	41	5.0	46	17	240		29.81			29.81	FM-15	0.00	29.77

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W
 Station: EL CENTRO NAF, CA US 23199

Local Climatological Data
Hourly Observations
November 2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Generated on 12/07/2018

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0056	7	CLR:00	10.00		60	15.6	50	10.1	40	4.4	47	3	270		29.81	6	+0.02	29.81	FM-15	0.00	29.77
30	0156	7	SCT:04 75	10.00		61	16.1	51	10.3	40	4.4	46	11	240		29.81			29.82	FM-15	0.00	29.77
30	0256	7	SCT:04 65	10.00		59	15.0	50	10.3	42	5.6	54	7	270		29.81			29.82	FM-15	0.00	29.77
30	0356	7	FEW:02 75 FEW:02 100	10.00		60	15.6	52	11.0	44	6.7	56	6	170		29.82	3	-0.01	29.83	FM-15	0.00	29.78
30	0456	7	SCT:04 70	10.00		59	15.0	51	10.5	43	6.1	56	3	280		29.84			29.85	FM-15	0.00	29.80
30	0556	7	FEW:02 60 FEW:02 250	10.00		56	13.3	49	9.5	42	5.6	60	5	250		29.86			29.87	FM-15	0.00	29.82
30	0656	7	FEW:02 60 FEW:02 250	10.00		60	15.6	51	10.5	42	5.6	52	17	240	25	29.88	1	-0.06	29.88	FM-15	0.00	29.84
30	0756	7	FEW:02 60 SCT:04 250	10.00		65	18.3	53	11.8	42	5.6	43	20	260		29.91			29.92	FM-15	0.00	29.87
30	0856	7	FEW:02 60 SCT:04 250	10.00		69	20.6	55	12.7	42	5.6	38	24	260	30	29.93			29.93	FM-15	0.00	29.89
30	0956	7	FEW:02 60 SCT:04 250	10.00		71	21.7	56	13.4	43	6.1	36	24	270	32	29.94	1	-0.06	29.94	FM-15	0.00	29.90
30	1056	7	FEW:02 65 BKN:07 250	10.00		72	22.2	56	13.4	42	5.6	34	22	270	31	29.92			29.92	FM-15	0.00	29.88
30	1156	7	FEW:02 60 BKN:07 250	10.00		72	22.2	55	13.0	40	4.4	31	23	260	26	29.91			29.92	FM-15	0.00	29.87
30	1256	7	FEW:02 60	10.00		74	23.3	56	13.4	40	4.4	29	26	240	32	29.89	8	+0.05	29.89	FM-15	0.00	29.85
30	1356	7	SCT:04 70	10.00		73	22.8	55	13.0	39	3.9	29	33	250	37	29.90			29.91	FM-15	0.00	29.86
30	1456	7	SCT:04 70 SCT:04 250	10.00		72	22.2	54	12.4	37	2.8	28	26	260		29.92			29.93	FM-15	0.00	29.88
30	1556	7	SCT:04 70 SCT:04 250	10.00		69	20.6	53	11.9	38	3.3	32	24	260		29.93	1	-0.04	29.93	FM-15	0.00	29.89
30	1656	7	SCT:04 70 SCT:04 250	10.00		65	18.3	51	10.7	37	2.8	36	20	250		29.94			29.94	FM-15	0.00	29.90
30	1756	7	SCT:04 70 SCT:04 250	10.00		64	17.8	52	11.1	40	4.4	41	24	250		29.96			29.96	FM-15	0.00	29.92
30	1856	7	SCT:04 60 SCT:04 250	10.00		62	16.7	51	10.6	40	4.4	44	22	250		29.98	3	-0.04	29.98	FM-15	0.00	29.94
30	1956	7	CLR:00	10.00		61	16.1	51	10.3	40	4.4	46	26	250		29.98			29.99	FM-15	0.00	29.94
30	2056	7	CLR:00	10.00		60	15.6	50	10.1	40	4.4	47	17	250		29.99			30.00	FM-15	0.00	29.95
30	2156	7	CLR:00	10.00		60	15.6	50	10.1	40	4.4	47	21	260		29.99	0	-0.01	29.99	FM-15	0.00	29.95
30	2256	7	CLR:00	10.00		59	15.0	50	9.8	40	4.4	49	15	240		29.99			30.00	FM-15	0.00	29.95
30	2356	7	CLR:00	10.00		57	13.9	49	9.3	40	4.4	53	10	230		29.99			30.00	FM-15	0.00	29.95

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
 Station: **IMPERIAL CO AIRPORT, CA US 03144**

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0053	7	CLR:00	10.00		53	11.7	44	6.9	34	1.1	48	0	000		29.96	8	+0.05	29.90	FM-15	0.00	29.90
28	0153	7	CLR:00	10.00		52	11.1	43	6.0	31	-0.6	45	3	240		29.96			29.90	FM-15	0.00	29.90
28	0253	7	CLR:00	10.00		49	9.4	40	4.4	27	-2.8	43	3	240		29.96			29.89	FM-15	0.00	29.90
28	0353	7	CLR:00	10.00		50	10.0	40	4.5	26	-3.3	39	0	000		29.96	5	+0.00	29.90	FM-15	0.00	29.90
28	0453	7	CLR:00	10.00		49	9.4	39	4.1	25	-3.9	39	3	190		29.96			29.90	FM-15	0.00	29.90
28	0553	7	CLR:00	10.00		49	9.4	40	4.2	26	-3.3	41	0	000		29.96			29.89	FM-15	0.00	29.90
28	0653	7	CLR:00	10.00		48	8.9	40	4.5	29	-1.7	48	0	000		29.94	8	+0.02	29.88	FM-15	0.00	29.88
28	0753	7	CLR:00	10.00		53	11.7	42	5.8	28	-2.2	38	0	000		29.96			29.90	FM-15	0.00	29.90
28	0853	7	CLR:00	10.00		59	15.0	46	8.0	31	-0.6	35	3	100		29.95			29.89	FM-15	0.00	29.89
28	0953	7	CLR:00	9.00		66	18.9	51	10.4	34	1.1	30	3	040		29.96	1	-0.01	29.90	FM-15	0.00	29.90
28	1053	7	CLR:00	9.00		70	21.1	52	11.3	34	1.1	27	5	070		29.92			29.86	FM-15	0.00	29.86
28	1153	7	CLR:00	10.00		73	22.8	52	11.4	30	-1.1	20	9	110		29.88			29.82	FM-15	0.00	29.82
28	1253	7	CLR:00	10.00		75	23.9	54	12.3	33	0.6	22	7	110		29.86	6	+0.10	29.80	FM-15	0.00	29.80
28	1353	7	CLR:00	10.00		77	25.0	53	11.8	27	-2.8	16	3	VRB		29.86			29.80	FM-15	0.00	29.80
28	1453	7	CLR:00	10.00		78	25.6	54	12.1	27	-2.8	15	6	VRB		29.85			29.79	FM-15	0.00	29.79
28	1553	7	CLR:00	10.00		77	25.0	54	12.3	30	-1.1	18	3	180		29.85	5	+0.01	29.79	FM-15	0.00	29.79
28	1653	7	CLR:00	8.00		71	21.7	53	11.9	36	2.2	28	3	210		29.86			29.80	FM-15	0.00	29.80
28	1753	7	CLR:00	10.00		69	20.6	52	10.9	33	0.6	26	0	000		29.87			29.80	FM-15	0.00	29.81
28	1853	7	CLR:00	10.00		66	18.9	54	12.5	44	6.7	45	7	210		29.87	1	-0.02	29.81	FM-15	0.00	29.81
28	1953	7	CLR:00	10.00		63	17.2	54	12.2	46	7.8	54	9	270		29.89			29.83	FM-15	0.00	29.83
28	2053	7	CLR:00	10.00		64	17.8	53	11.8	43	6.1	46	10	300		29.90			29.83	FM-15	0.00	29.84
28	2153	7	CLR:00	8.00		64	17.8	54	12.2	45	7.2	50	17	270		29.89	0	-0.01	29.83	FM-15	0.00	29.83
28	2253	7	CLR:00	10.00		62	16.7	53	11.8	45	7.2	54	10	270		29.88			29.82	FM-15	0.00	29.82
28	2353	7	CLR:00	10.00		62	16.7	54	12.0	46	7.8	56	10	240		29.87			29.80	FM-15	0.00	29.81

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
 Station: **IMPERIAL CO AIRPORT, CA US 03144**

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0053	7	CLR:00	10.00		64	17.8	55	12.7	47	8.3	54	18	270		29.86	8	+0.02	29.80	FM-15	0.00	29.80
29	0153	7	CLR:00	10.00		63	17.2	56	13.3	50	10.0	63	9	270		29.86			29.80	FM-15	0.00	29.80
29	0253	7	CLR:00	10.00		65	18.3	57	14.0	51	10.6	61	11	280		29.84			29.78	FM-15	0.00	29.78
29	0353	7	CLR:00	10.00		62	16.7	56	13.3	51	10.6	67	8	240		29.83	8	+0.03	29.77	FM-15	0.00	29.77
29	0453	7	CLR:00	10.00		67	19.4	58	14.5	51	10.6	57	11	230		29.83			29.76	FM-15	0.00	29.77
29	0553	7	CLR:00	10.00		56	13.3	52	11.3	49	9.4	77	7	160		29.87			29.80	FM-15	0.00	29.81
29	0653	7	FEW:02 65	10.00		57	13.9	54	12.1	51	10.6	81	7	150		29.86	3	-0.03	29.80	FM-15	0.00	29.80
29	0753	7	CLR:00	10.00		62	16.7	56	13.3	51	10.6	67	6	130		29.87			29.81	FM-15	0.00	29.81
29	0853	7	CLR:00	10.00		66	18.9	58	14.5	52	11.1	61	9	160		29.87			29.81	FM-15	0.00	29.81
29	0953	7	FEW:02 75	10.00		69	20.6	59	15.2	52	11.1	55	7	070		29.87	1	-0.01	29.81	FM-15	0.00	29.81
29	1053	7	FEW:02 55 SCT:04 70	10.00		71	21.7	60	15.6	52	11.1	51	14	150		29.84			29.78	FM-15	0.00	29.78
29	1108	7	FEW:02 55 FEW:02 70	10.00		71	21.7	59	15.1	50	10.0	47	11	160		29.82				FM-16		29.76
29	1153	7	CLR:00	10.00		72	22.2	59	15.1	49	9.4	44	8	270		29.78			29.72	FM-15	0.00	29.72
29	1253	7	BKN:07 70 BKN:07 85	10.00		73	22.8	59	15.0	48	8.9	41	0	000		29.77	6	+0.10	29.71	FM-15	0.00	29.71
29	1353	7	BKN:07 65 OVC:08 90	10.00		72	22.2	59	15.1	49	9.4	44	9	290		29.75			29.68	FM-15	0.00	29.69
29	1453	7	OVC:08 70	10.00		72	22.2	59	15.1	49	9.4	44	17	290	24	29.75			29.69	FM-15	0.00	29.69
29	1504	7	FEW:02 4 OVC:08 75	1.75	HZ:7 FU HZ	71	21.7	59	14.8	49	9.4	46	24	280	36	29.74				FM-16		29.68
29	1528	7	FEW:02 5 OVC:08 70	2.00	HZ:7 FU HZ	69	20.6	57	13.6	46	7.8	44	28	280	39	29.76				FM-16		29.70
29	1538	7	FEW:02 5 OVC:08 70	3.00	HZ:7 FU HZ	69	20.6	56	13.4	45	7.2	42	26	280	38	29.76				FM-16		29.70
29	1553	7	OVC:08 75	8.00		68	20.0	56	13.2	45	7.2	44	26	270	38	29.77	5	+0.00	29.71	FM-15	0.00	29.71
29	1653	7	OVC:08 100	10.00		64	17.8	55	12.7	47	8.3	54	20	270	31	29.80			29.74	FM-15	0.00	29.74
29	1753	7	OVC:08 110	10.00		64	17.8	54	12.2	45	7.2	50	9	350		29.81			29.75	FM-15	0.00	29.75
29	1853	7	FEW:02 70 FEW:02 90	10.00		63	17.2	54	12.0	45	7.2	52	7	250		29.82	1	-0.06	29.76	FM-15	0.00	29.76
29	1953	7	CLR:00	10.00		61	16.1	52	11.3	44	6.7	54	7	270		29.83			29.77	FM-15	0.00	29.77
29	2053	7	CLR:00	10.00		62	16.7	51	10.4	39	3.9	43	15	250		29.83			29.77	FM-15	0.00	29.77
29	2153	7	CLR:00	10.00		62	16.7	51	10.6	40	4.4	44	17	270	22	29.82	8	+0.00	29.76	FM-15	0.00	29.76
29	2253	7	CLR:00	10.00	-RA:02 RA RA	59	15.0	51	10.8	44	6.7	58	20	260	29	29.81			29.75	FM-15	T	29.75
29	2353	7	CLR:00	10.00		60	15.6	51	10.8	43	6.1	53	5	290		29.81			29.75	FM-15	T	29.75

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
 Station: IMPERIAL CO AIRPORT, CA US 03144

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0053	7	FEW:02 70	10.00		60	15.6	51	10.5	42	5.6	52	9	250		29.80		+0.02	29.74	FM-15	0.00	29.74
30	0153	7	BKN:07 75	10.00	-RA:02 RA RA	62	16.7	52	11.3	43	6.1	50	14	240		29.81			29.75	FM-15	T	29.75
30	0253	7	SCT:04 70 BKN:07 95	10.00		61	16.1	52	11.3	44	6.7	54	8	280		29.81			29.75	FM-15	0.00	29.75
30	0353	7	CLR:00	10.00		61	16.1	53	11.8	46	7.8	58	9	250		29.82	3	-0.02	29.76	FM-15	T	29.76
30	0453	7	CLR:00	10.00		59	15.0	52	11.0	45	7.2	60	8	230		29.84			29.78	FM-15	0.00	29.78
30	0553	7	CLR:00	10.00		55	12.8	50	9.7	44	6.7	67	11	240		29.86			29.80	FM-15	0.00	29.80
30	0653	7	CLR:00	10.00		60	15.6	52	11.0	44	6.7	56	13	250		29.87	1	-0.06	29.81	FM-15	0.00	29.81
30	0753	7	CLR:00	10.00		63	17.2	54	12.0	45	7.2	52	15	260	18	29.90			29.84	FM-15	0.00	29.84
30	0853	7	CLR:00	10.00		67	19.4	56	13.2	46	7.8	47	15	280		29.92			29.85	FM-15	T	29.86
30	0953	7	CLR:00	10.00		67	19.4	56	13.2	46	7.8	47	18	270	28	29.94	1	-0.06	29.88	FM-15	T	29.88
30	1053	7	FEW:02 60	10.00		71	21.7	57	13.6	44	6.7	38	11	270	21	29.93			29.86	FM-15	0.00	29.87
30	1153	7	SCT:04 70	10.00		71	21.7	56	13.4	43	6.1	36	13	280		29.91			29.85	FM-15	0.00	29.85
30	1253	7	SCT:04 70	10.00		73	22.8	57	13.9	43	6.1	34	21	250		29.89	8	+0.05	29.83	FM-15	T	29.83
30	1353	7	CLR:00	10.00	-RA:02 RA RA	73	22.8	57	13.6	42	5.6	33	24	260	36	29.89			29.83	FM-15	T	29.83
30	1453	7	CLR:00	10.00	-RA:02 RA RA	72	22.2	56	13.2	41	5.0	33	20	250	29	29.92			29.85	FM-15	T	29.86
30	1553	7	CLR:00	10.00	-RA:02 RA RA	69	20.6	55	12.7	42	5.6	38	20	260		29.92	3	-0.04	29.86	FM-15	T	29.86
30	1653	7	CLR:00	10.00	-RA:02 RA RA	65	18.3	52	11.3	40	4.4	40	16	250		29.93			29.87	FM-15	T	29.87
30	1753	7	CLR:00	10.00	-RA:02 RA RA	63	17.2	52	11.3	42	5.6	47	17	260		29.95			29.88	FM-15	T	29.89
30	1853	7	CLR:00	10.00	-RA:02 RA RA	62	16.7	52	11.0	42	5.6	48	23	250		29.96	3	-0.04	29.90	FM-15	T	29.90
30	1953	7	CLR:00	10.00	-RA:02 RA RA	60	15.6	51	10.3	41	5.0	50	20	250		29.98			29.91	FM-15	T	29.92
30	2053	7	CLR:00	10.00		59	15.0	50	10.1	41	5.0	51	16	260		29.98			29.92	FM-15	T	29.92
30	2153	7	CLR:00	10.00		59	15.0	51	10.3	42	5.6	54	16	260		29.98	0	-0.02	29.92	FM-15	0.00	29.92
30	2253	7	CLR:00	10.00		58	14.4	50	10.0	42	5.6	56	16	260		29.98			29.92	FM-15	0.00	29.92
30	2353	7	CLR:00	10.00		57	13.9	50	9.8	42	5.6	58	13	250		29.99			29.92	FM-15	0.00	29.93

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 409 ft. Lat: 33.8222° N Lon: -116.5043° W
 Station: PALM SPRINGS ASOS, CA US 93138

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0053	7	CLR:00	10.00		57	13.9	43	6.0	23	-5.0	27	0	000		29.46	8	+0.05	29.93	FM-15	0.00	29.94
28	0153	7	CLR:00	10.00		60	15.6	45	7.0	24	-4.4	25	5	330		29.45			29.92	FM-15	0.00	29.93
28	0253	7	CLR:00	10.00		57	13.9	43	6.3	25	-3.9	29	3	220		29.45			29.93	FM-15	0.00	29.93
28	0353	7	CLR:00	10.00		53	11.7	43	6.3	31	-0.6	43	3	260		29.44	8	+0.02	29.91	FM-15	0.00	29.92
28	0453	7	CLR:00	10.00		55	12.8	43	5.9	26	-3.3	33	3	230		29.42			29.90	FM-15	0.00	29.90
28	0553	7	CLR:00	10.00		54	12.2	42	5.5	25	-3.9	33	0	000		29.42			29.90	FM-15	0.00	29.90
28	0653	7	CLR:00	10.00		54	12.2	42	5.7	26	-3.3	34	5	250		29.43	5	+0.00	29.91	FM-15	0.00	29.91
28	0753	7	CLR:00	10.00		57	13.9	44	6.7	27	-2.8	32	0	000		29.44			29.92	FM-15	0.00	29.92
28	0853	7	CLR:00	10.00		65	18.3	47	8.2	23	-5.0	20	0	000		29.45			29.92	FM-15	0.00	29.93
28	0953	7	CLR:00	10.00		67	19.4	47	8.6	22	-5.6	18	5	VRB		29.44	0	-0.01	29.92	FM-15	0.00	29.92
28	1053	7	CLR:00	10.00		69	20.6	49	9.5	25	-3.9	19	8	100		29.41			29.89	FM-15	0.00	29.89
28	1153	7	CLR:00	10.00		70	21.1	49	9.6	24	-4.4	18	9	110		29.38			29.86	FM-15	0.00	29.86
28	1253	7	CLR:00	10.00		73	22.8	51	10.5	25	-3.9	17	6	VRB		29.36	6	+0.08	29.83	FM-15	0.00	29.84
28	1353	7	CLR:00	10.00		73	22.8	51	10.5	25	-3.9	17	7	120		29.35			29.82	FM-15	0.00	29.83
28	1453	7	CLR:00	10.00		74	23.3	51	10.7	25	-3.9	16	6	140		29.35			29.82	FM-15	0.00	29.83
28	1553	7	CLR:00	10.00		72	22.2	52	10.9	29	-1.7	20	6	100		29.34	6	+0.01	29.82	FM-15	0.00	29.82
28	1653	7	CLR:00	10.00		69	20.6	51	10.7	32	0.0	25	5	120		29.35			29.83	FM-15	0.00	29.83
28	1753	7	CLR:00	10.00		66	18.9	50	9.7	31	-0.6	27	0	000		29.37			29.85	FM-15	0.00	29.85
28	1820	7	CLR:00	10.00		64	17.8	50	9.8	34	1.1	33	0	000		29.37				FM-16		29.85
28	1853	7	CLR:00	10.00		64	17.8	49	9.4	32	0.0	30	3	310		29.39	3	-0.04	29.87	FM-15	0.00	29.87
28	1953	7	CLR:00	10.00		63	17.2	49	9.3	33	0.6	33	0	000		29.39			29.87	FM-15	0.00	29.87
28	2053	7	CLR:00	10.00		62	16.7	50	9.9	37	2.8	40	6	320		29.38			29.85	FM-15	0.00	29.86
28	2153	7	CLR:00	10.00		58	14.4	47	8.2	34	1.1	41	5	240		29.38	8	+0.01	29.85	FM-15	0.00	29.86
28	2253	7	CLR:00	10.00		57	13.9	46	7.6	32	0.0	39	5	240		29.37			29.84	FM-15	0.00	29.85
28	2353	7	CLR:00	10.00		56	13.3	45	7.3	32	0.0	40	0	000		29.35			29.83	FM-15	0.00	29.83

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 409 ft. Lat: 33.8222° N Lon: -116.5043° W
 Station: PALM SPRINGS ASOS, CA US 93138

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0053	7	CLR:00	10.00		54	12.2	45	7.4	35	1.7	49	6	330		29.34	7	+0.03	29.82	FM-15	0.00	29.82
29	0153	7	CLR:00	10.00		54	12.2	46	7.6	36	2.2	51	3	230		29.33			29.81	FM-15	0.00	29.81
29	0253	7	OVC:08 100	10.00		56	13.3	46	7.9	35	1.7	46	3	340		29.32			29.79	FM-15	0.00	29.80
29	0353	7	OVC:08 100	10.00		55	12.8	46	7.8	36	2.2	49	0	000		29.31	8	+0.04	29.78	FM-15	0.00	29.79
29	0453	7	OVC:08 95	10.00		56	13.3	47	8.5	38	3.3	51	0	000		29.31			29.78	FM-15	0.00	29.79
29	0553	7	OVC:08 80	10.00		57	13.9	50	10.0	43	6.1	60	5	350		29.32			29.79	FM-15	0.00	29.80
29	0653	7	OVC:08 80	10.00		57	13.9	50	10.2	44	6.7	62	0	000		29.32	0	-0.01	29.80	FM-15	0.00	29.80
29	0753	7	OVC:08 80	10.00		59	15.0	52	11.0	45	7.2	60	3	180		29.31			29.79	FM-15	0.00	29.79
29	0853	7	OVC:08 70	10.00		60	15.6	52	11.2	45	7.2	58	3	020		29.32			29.80	FM-15	0.00	29.80
29	0953	7	OVC:08 65	10.00		62	16.7	54	12.0	46	7.8	56	0	000		29.29	8	+0.02	29.77	FM-15	0.00	29.77
29	1053	7	BKN:07 50 BKN:07 65 OVC:08 80	10.00	-RA:02 RA RA	66	18.9	58	14.2	51	10.6	59	3	250		29.28			29.75	FM-15	T	29.76
29	1153	7	FEW:02 48 SCT:04 60 OVC:08 80	10.00	-RA:02 RA RA	65	18.3	59	14.8	54	12.2	68	7	280		29.26			29.74	FM-15	T	29.74
29	1253	7	OVC:08 75	9.00	-RA:02 RA RA	62	16.7	59	14.8	56	13.3	80	6	170		29.24	6	+0.05	29.72	FM-15	0.05s	29.72
29	1334	7	FEW:02 20 BKN:07 50 OVC:08 80	10.00	-RA:02 RA RA	61	16.1	58	14.5	56	13.3	84	11	330	18	29.24				FM-16	0.01	29.72
29	1353	7	FEW:02 21 BKN:07 65 OVC:08 75	10.00	-RA:02 RA RA	62	16.7	59	14.8	56	13.3	80	22	320	28	29.23			29.71	FM-15	T	29.71
29	1453	7	FEW:02 33	10.00		64	17.8	56	13.5	50	10.0	60	18	010	25	29.22			29.70	FM-15	T	29.70
29	1512	7	FEW:02 33 SCT:04 55	10.00		63	17.2	54	12.5	47	8.3	56	10	330	21	29.22				FM-16		29.70
29	1553	7	FEW:02 33 SCT:04 55	10.00		63	17.2	54	12.0	45	7.2	52	10	340		29.23	5	+0.02	29.70	FM-15	0.00	29.71
29	1653	7	FEW:02 55 SCT:04 65 OVC:08 85	10.00		63	17.2	53	11.5	43	6.1	48	6	VRB		29.24			29.72	FM-15	T	29.72
29	1753	7	FEW:02 85	10.00		61	16.1	52	11.2	44	6.7	54	9	100		29.25			29.73	FM-15	0.00	29.73
29	1853	7	SCT:04 95	10.00		59	15.0	51	10.7	44	6.7	58	3	150		29.25	0	-0.02	29.73	FM-15	0.00	29.73
29	1953	7	BKN:07 65 BKN:07 80 OVC:08 90	10.00	-RA:02 RA RA	55	12.8	50	10.0	45	7.2	69	14	330	25	29.27			29.75	FM-15	0.02	29.75
29	2053	7	CLR:00	10.00		54	12.2	49	9.4	44	6.7	69	3	VRB		29.26			29.74	FM-15	T	29.74
29	2153	7	BKN:07 85	10.00		54	12.2	49	9.7	45	7.2	72	0	000		29.27	1	-0.02	29.75	FM-15	0.00	29.75
29	2253	7	SCT:04 55 OVC:08 70	10.00		52	11.1	49	9.4	46	7.8	80	7	190		29.26			29.74	FM-15	T	29.74
29	2353	7	FEW:02 50 BKN:07 90	10.00		52	11.1	49	9.4	46	7.8	80	5	220		29.26			29.74	FM-15	T	29.74

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 409 ft. Lat: 33.8222° N Lon: -116.5043° W
 Station: PALM SPRINGS ASOS, CA US 93138

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0053	7	SCT:04 90	10.00		52	11.1	49	9.4	46	7.8	80	0	000		29.25	6	+0.02	29.73	FM-15	0.00	29.73
30	0153	7	FEW:02 90	10.00		52	11.1	49	9.4	46	7.8	80	0	000		29.26			29.74	FM-15	0.00	29.74
30	0253	7	CLR:00	10.00		50	10.0	48	8.9	46	7.8	86	0	000		29.26			29.74	FM-15	0.00	29.74
30	0353	7	CLR:00	10.00		49	9.4	47	8.3	45	7.2	86	0	000		29.27	3	-0.02	29.75	FM-15	0.00	29.75
30	0453	7	CLR:00	10.00		50	10.0	48	8.9	46	7.8	86	7	340		29.30			29.78	FM-15	0.00	29.78
30	0553	7	CLR:00	10.00		50	10.0	48	8.6	45	7.2	83	6	320		29.32			29.80	FM-15	0.00	29.80
30	0653	7	CLR:00	10.00		49	9.4	47	8.3	45	7.2	86	3	VRB		29.36	3	-0.08	29.84	FM-15	0.00	29.84
30	0753	7	CLR:00	10.00		55	12.8	51	10.5	47	8.3	74	3	050		29.37			29.85	FM-15	0.00	29.85
30	0853	7	CLR:00	10.00		59	15.0	53	11.5	47	8.3	64	0	000		29.40			29.88	FM-15	0.00	29.88
30	0953	7	CLR:00	10.00		63	17.2	54	12.5	47	8.3	56	6	160		29.40	0	-0.04	29.88	FM-15	0.00	29.88
30	1053	7	CLR:00	10.00		66	18.9	55	12.7	45	7.2	47	6	170		29.39			29.87	FM-15	0.00	29.87
30	1153	7	CLR:00	10.00		69	20.6	55	12.9	43	6.1	39	5	160		29.39			29.87	FM-15	0.00	29.87
30	1253	7	CLR:00	10.00		70	21.1	55	12.7	41	5.0	35	3	VRB		29.37	8	+0.04	29.85	FM-15	0.00	29.85
30	1353	7	CLR:00	10.00		70	21.1	54	12.5	40	4.4	34	6	350		29.36			29.84	FM-15	0.00	29.84
30	1453	7	CLR:00	10.00		71	21.7	55	12.9	41	5.0	34	11	350		29.37			29.85	FM-15	0.00	29.85
30	1553	7	CLR:00	10.00		68	20.0	54	12.2	41	5.0	38	13	310		29.38	3	-0.01	29.86	FM-15	0.00	29.86
30	1653	7	CLR:00	10.00		67	19.4	54	12.0	41	5.0	39	8	350		29.39			29.87	FM-15	0.00	29.87
30	1753	7	CLR:00	10.00		64	17.8	53	11.5	42	5.6	45	6	250		29.40			29.88	FM-15	0.00	29.88
30	1853	7	CLR:00	10.00		61	16.1	52	11.0	43	6.1	52	6	140		29.42	3	-0.04	29.90	FM-15	0.00	29.90
30	1953	7	CLR:00	10.00		60	15.6	51	10.7	43	6.1	53	0	000		29.43			29.91	FM-15	0.00	29.91
30	2053	7	CLR:00	10.00		60	15.6	52	11.0	44	6.7	56	0	000		29.44			29.93	FM-15	0.00	29.92
30	2153	7	CLR:00	10.00		56	13.3	50	10.0	44	6.7	65	0	000		29.46	1	-0.04	29.93	FM-15	0.00	29.94
30	2253	7	CLR:00	10.00		54	12.2	49	9.4	44	6.7	69	3	210		29.47			29.95	FM-15	0.00	29.95
30	2353	7	CLR:00	10.00		53	11.7	49	9.2	44	6.7	72	0	000		29.47			29.95	FM-15	0.00	29.95

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 213 ft. Lat: 32.6500° N Lon: -114.6167° W
 Station: YUMA MCAS, AZ US 03145

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28	0057	7	CLR:00	10.00		56	13.3	45	7.3	32	0.0	40	0	000		29.70		29.93	FM-15	0.00	29.93	
28	0157	7	CLR:00	10.00		56	13.3	44	6.8	29	-1.7	36	0	000		29.68	8	+0.05	29.91	FM-15	0.00	29.91
28	0257	7	CLR:00	10.00		56	13.3	45	7.1	31	-0.6	39	0	000		29.68			29.90	FM-15	0.00	29.91
28	0357	7	CLR:00	10.00		54	12.2	44	6.8	32	0.0	43	3	020		29.67			29.90	FM-15	0.00	29.90
28	0457	7	CLR:00	10.00		54	12.2	43	6.4	30	-1.1	40	3	030		29.68	5	+0.00	29.91	FM-15	0.00	29.91
28	0557	7	CLR:00	10.00		52	11.1	43	6.0	31	-0.6	45	3	040		29.69			29.92	FM-15	0.00	29.92
28	0657	7	FEW:02 250	7.00		51	10.6	43	5.9	32	0.0	48	5	060		29.68			29.91	FM-15	0.00	29.91
28	0757	7	FEW:02 250	7.00		52	11.1	43	6.2	32	0.0	47	0	000		29.68	1	-0.00	29.91	FM-15	0.00	29.91
28	0857	6	FEW:02 250	7.00		59	15.0	46	7.9	31	-0.6	35	5	090		29.68			29.90	FM-15	0.00	29.91
28	0957	7	SCT:04 250	7.00		65	18.3	49	9.7	32	0.0	29	0	000		29.69			29.92	FM-15	0.00	29.92
28	1057	7	FEW:02 250	7.00		69	20.6	52	11.3	35	1.7	29	3	150		29.69	3	-0.01	29.91	FM-15	0.00	29.92
28	1157	7	FEW:02 250	7.00		73	22.8	53	11.8	33	0.6	23	10	180		29.65			29.87	FM-15	0.00	29.88
28	1257	7	CLR:00	7.00		75	23.9	54	12.3	33	0.6	22	11	170		29.62			29.84	FM-15	0.00	29.85
28	1357	7	FEW:02 200	7.00		76	24.4	55	12.7	34	1.1	22	13	150		29.58	6	+0.11	29.81	FM-15	0.00	29.81
28	1457	7	FEW:02 200	7.00		77	25.0	56	13.3	36	2.2	23	9	210		29.58			29.81	FM-15	0.00	29.81
28	1557	7	SCT:04 200	7.00		76	24.4	55	12.9	35	1.7	23	8	190		29.59			29.81	FM-15	0.00	29.82
28	1657	7	CLR:00	10.00		75	23.9	56	13.4	39	3.9	27	6	190		29.59	3	-0.01	29.81	FM-15	0.00	29.82
28	1757	7	CLR:00	10.00		70	21.1	55	12.9	42	5.6	37	3	180		29.59			29.82	FM-15	0.00	29.82
28	1857	7	CLR:00	10.00		66	18.9	53	11.8	41	5.0	40	6	170		29.60			29.83	FM-15	0.00	29.83
28	1957	7	CLR:00	10.00		62	16.7	51	10.6	40	4.4	44	6	160		29.61	3	-0.02	29.83	FM-15	0.00	29.84
28	2057	7	CLR:00	10.00		59	15.0	50	10.0	41	5.0	51	5	180		29.61			29.83	FM-15	0.00	29.84
28	2157	7	CLR:00	10.00		57	13.9	51	10.7	46	7.8	67	0	000		29.62			29.84	FM-15	0.00	29.85
28	2257	7	CLR:00	10.00		58	14.4	51	10.7	45	7.2	62	3	010		29.62			29.84	FM-15	0.00	29.85
28	2357	7	CLR:00	10.00		56	13.3	50	10.0	44	6.7	65	0	000		29.61			29.83	FM-15	0.00	29.84

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 213 ft. Lat: 32.6500° N Lon: -114.6167° W
 Station: YUMA MCAS, AZ US 03145

Local Climatological Data Hourly Observations November 2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Generated on 12/07/2018

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	0057	7	CLR:00	10.00		54	12.2	49	9.2	43	6.1	67	3	180		29.60			29.83	FM-15	0.00	29.83
29	0157	7	CLR:00	10.00		54	12.2	50	10.0	46	7.8	75	0	000		29.60	6	+0.02	29.82	FM-15	0.00	29.83
29	0257	7	CLR:00	10.00		54	12.2	50	10.2	47	8.3	77	0	000		29.59			29.82	FM-15	0.00	29.82
29	0357	7	CLR:00	10.00		56	13.3	53	11.8	51	10.6	84	0	000		29.58			29.81	FM-15	0.00	29.81
29	0457	7	CLR:00	10.00		56	13.3	52	11.3	49	9.4	77	0	000		29.57	8	+0.03	29.79	FM-15	0.00	29.80
29	0557	7	CLR:00	10.00		56	13.3	52	11.0	48	8.9	75	5	070		29.56			29.78	FM-15	0.00	29.79
29	0657	7	SCT:04 170 BKN:07 250	7.00		55	12.8	51	10.5	47	8.3	74	5	020		29.58			29.80	FM-15	0.00	29.81
29	0757	7	SCT:04 170 BKN:07 250	7.00		53	11.7	49	9.7	46	7.8	77	3	040		29.60	3	-0.03	29.83	FM-15	0.00	29.83
29	0857	7	SCT:04 170 BKN:07 250	7.00		56	13.3	51	10.5	46	7.8	70	5	150		29.61			29.83	FM-15	0.00	29.84
29	0957	7	SCT:04 150 BKN:07 250	7.00		60	15.6	54	12.0	48	8.9	65	7	160		29.61			29.83	FM-15	0.00	29.84
29	1057	7	SCT:04 150 BKN:07 250	7.00		64	17.8	55	12.7	47	8.3	54	8	180		29.60			29.83	FM-15	0.00	29.83
29	1157	7	SCT:04 150 BKN:07 250	7.00		67	19.4	56	13.4	47	8.3	49	6	190		29.58			29.80	FM-15	0.00	29.81
29	1257	7	FEW:02 100 SCT:04 180 SCT:04 250	7.00		70	21.1	59	14.9	50	10.0	49	13	160		29.52			29.75	FM-15	0.00	29.75
29	1357	7	FEW:02 100 SCT:04 180	7.00		74	23.3	59	15.0	47	8.3	38	16	170		29.48	8	+0.12	29.70	FM-15	0.00	29.71
29	1457	7	SCT:04 100 BKN:07 180	7.00		74	23.3	59	14.7	46	7.8	37	10	190		29.48			29.70	FM-15	0.00	29.71
29	1557	7	SCT:04 100 BKN:07 180	7.00		75	23.9	58	14.7	45	7.2	34	16	200		29.45			29.67	FM-15	0.00	29.68
29	1657	7	FEW:02 50 SCT:04 90 BKN:07 110	10.00		73	22.8	59	14.8	47	8.3	40	15	210		29.45	5	+0.03	29.68	FM-15	0.00	29.68
29	1753	7	BKN:07 90 BKN:07 110	10.00		68	20.0	58	14.4	50	10.0	53	16	310	29	29.49				FM-16		29.72
29	1757	7	FEW:02 55 FEW:02 70 BKN:07 90	10.00		68	20.0	58	14.4	50	10.0	53	25	300	34	29.49			29.71	FM-15	0.00	29.72
29	1804	6	FEW:02 50 BKN:07 80 OVC:08 110	9.00		67	19.4	58	14.2	50	10.0	55	15	290	34	29.50				FM-16		29.73
29	1857	7	OVC:08 55	9.00		65	18.3	55	13.0	47	8.3	52	21	300	29	29.52			29.75	FM-15	0.00	29.75
29	1957	7	OVC:08 60	10.00	-RA:02 RA RA	61	16.1	55	12.5	49	9.4	65	14	280	22	29.53	3	-0.04	29.76	FM-15	T	29.76
29	2057	7	FEW:02 60 SCT:04 80 SCT:04 110	10.00		61	16.1	54	12.0	47	8.3	60	11	280		29.53			29.75	FM-15	T	29.76
29	2157	7	FEW:02 80	10.00		59	15.0	52	11.2	46	7.8	62	9	280		29.54			29.77	FM-15	0.00	29.77
29	2257	7	CLR:00	10.00		61	16.1	51	10.8	42	5.6	50	15	300	24	29.54	2	-0.01	29.77	FM-15	0.00	29.77
29	2357	7	CLR:00	10.00		60	15.6	50	10.3	41	5.0	50	14	270		29.53			29.76	FM-15	0.00	29.76

November 29, 2018 Exceptional Event, Imperial County

Appendix B

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 213 ft. Lat: 32.6500° N Lon: -114.6167° W
 Station: YUMA MCAS, AZ US 03145

Local Climatological Data Hourly Observations November 2018

Generated on 12/07/2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0057	7	CLR:00	10.00		58	14.4	50	10.0	42	5.6	56	9	300		29.53		29.75	FM-15	0.00	29.76	
30	0157	7	CLR:00	10.00		57	13.9	50	9.7	42	5.6	58	5	220		29.53	5	+0.01	29.75	FM-15	0.00	29.76
30	0257	7	CLR:00	10.00		53	11.7	48	8.9	43	6.1	69	7	150		29.54		29.77	FM-15	0.00	29.77	
30	0357	7	SCT:04 80	10.00		53	11.7	48	8.9	43	6.1	69	8	180		29.55		29.77	FM-15	0.00	29.78	
30	0457	7	SCT:04 90	10.00		53	11.7	48	8.7	42	5.6	66	5	180		29.55	1	-0.02	29.78	FM-15	0.00	29.78
30	0557	7	CLR:00	10.00		53	11.7	48	8.7	42	5.6	66	3	160		29.57		29.80	FM-15	0.00	29.80	
30	0657	7	FEW:02 150	7.00		49	9.4	46	7.6	42	5.6	77	7	180		29.59		29.82	FM-15	0.00	29.82	
30	0757	7	FEW:02 170	7.00		52	11.1	48	8.7	43	6.1	72	8	190		29.61	1	-0.05	29.83	FM-15	0.00	29.84
30	0857	7	FEW:02 190	7.00		57	13.9	50	10.2	44	6.7	62	6	150		29.64		29.86	FM-15	0.00	29.87	
30	0957	4		7.00		63	17.2			46	7.8	54	6	180				29.88	FM-15		29.89	
30	1057	4		7.00		65	18.3			45	7.2	49	6	VRB				29.89	FM-15		29.90	
30	1157	4		7.00		69	20.6			45	7.2	42	9	240	18			29.88	FM-15		29.89	
30	1257	4		7.00		71	21.7			45	7.2	39	16	270	23			29.86	FM-15		29.87	
30	1357	4		7.00		72	22.2			44	6.7	37	14	290	24			29.84	FM-15		29.85	
30	1457	4		7.00		72	22.2			44	6.7	37	13	300	21			29.84	FM-15		29.84	
30	1557	4		7.00		71	21.7			43	6.1	36	13	280				29.84	FM-15		29.85	
30	1657	4		10.00		69	20.6			43	6.1	39	8	300				29.85	FM-15		29.86	
30	1757	7	SCT:04 80	10.00		66	18.9	54	12.0	42	5.6	42	7	290		29.64		29.87	FM-15	0.00	29.87	
30	1857	7	CLR:00	10.00		64	17.8	52	11.3	41	5.0	43	10	300		29.65		29.88	FM-15	0.00	29.88	
30	1957	7	CLR:00	10.00		63	17.2	52	11.0	41	5.0	45	8	300	17	29.68		29.91	FM-15	0.00	29.91	
30	2057	7	CLR:00	10.00		61	16.1	51	10.5	41	5.0	48	7	300		29.69		29.92	FM-15	0.00	29.92	
30	2157	7	CLR:00	10.00		59	15.0	50	10.0	41	5.0	51	8	290		29.70		29.92	FM-15	0.00	29.93	
30	2257	7	CLR:00	10.00		56	13.3	49	9.5	42	5.6	60	9	290		29.70	1	-0.02	29.93	FM-15	0.00	29.93
30	2357	7	CLR:00	10.00		56	13.3	49	9.3	41	5.0	57	5	320		29.71		29.94	FM-15	0.00	29.94	

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 213 ft. Lat: 32.6500° N Lon: -114.6167° W
 Station: YUMA MCAS, AZ US 03145

Local Climatological Data
Hourly Observations
December 2018

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Generated on 12/07/2018

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0057	7	CLR:00	10.00		56	13.3	49	9.3	41	5.0	57	6	320		29.71		29.94	FM-15	0.00	29.94	
01	0157	7	CLR:00	10.00		56	13.3	49	9.3	41	5.0	57	6	330		29.71	0	-0.01	29.93	FM-15	0.00	29.94
01	0257	7	CLR:00	10.00		57	13.9	49	9.5	41	5.0	55	7	320		29.70		29.93	FM-15	0.00	29.93	
01	0357	7	CLR:00	10.00		56	13.3	49	9.3	41	5.0	57	6	330		29.70		29.92	FM-15	0.00	29.93	
01	0457	7	CLR:00	10.00		55	12.8	48	9.0	41	5.0	59	5	330		29.70	5	+0.01	29.93	FM-15	0.00	29.93
01	0557	7	CLR:00	10.00		52	11.1	46	7.9	40	4.4	64	0	000		29.70		29.92	FM-15	0.00	29.93	
01	0657	7	CLR:00	10.00		49	9.4	44	6.9	39	3.9	69	0	000		29.71		29.94	FM-15	0.00	29.94	
01	0757	7	CLR:00	10.00		50	10.0	45	7.4	40	4.4	68	0	000		29.71	3	-0.01	29.93	FM-15	0.00	29.94
01	0857	7	CLR:00	10.00		55	12.8	48	9.0	41	5.0	59	0	000		29.73		29.96	FM-15	0.00	29.96	
01	0957	7	CLR:00	10.00		60	15.6	50	10.1	40	4.4	47	5	350		29.74		29.96	FM-15	0.00	29.97	
01	1057	7	CLR:00	10.00		64	17.8	51	10.6	38	3.3	38	6	360		29.73	0	-0.02	29.96	FM-15	0.00	29.96
01	1157	7	CLR:00	10.00		65	18.3	52	11.1	39	3.9	39	5	270		29.70		29.92	FM-15	0.00	29.93	
01	1257	7	CLR:00	10.00		66	18.9	52	11.3	39	3.9	37	3	VRB		29.67		29.90	FM-15	0.00	29.90	
01	1357	7	CLR:00	10.00		66	18.9	53	11.5	40	4.4	39	6	290		29.64		29.87	FM-15	0.00	29.87	
01	1457	7	CLR:00	10.00		67	19.4	53	11.8	40	4.4	37	8	280		29.62		29.85	FM-15	0.00	29.85	
01	1557	7	CLR:00	10.00		68	20.0	54	12.0	40	4.4	36	10	270		29.61		29.84	FM-15	0.00	29.84	
01	1657	7	CLR:00	10.00		66	18.9	53	11.5	40	4.4	39	3	290		29.61	6	+0.04	29.83	FM-15	0.00	29.84
01	1757	7	CLR:00	10.00		63	17.2	51	10.8	40	4.4	43	6	160		29.59		29.82	FM-15	0.00	29.82	
01	1857	7	CLR:00	10.00		60	15.6	51	10.5	42	5.6	52	8	180		29.59		29.82	FM-15	0.00	29.82	
01	1957	7	FEW:02 70	10.00		59	15.0	50	9.8	40	4.4	49	3	250		29.61	3	-0.00	29.83	FM-15	0.00	29.84
01	2057	7	CLR:00	10.00		60	15.6	50	10.1	40	4.4	47	8	260		29.62		29.85	FM-15	0.00	29.85	
01	2157	7	CLR:00	10.00		56	13.3	48	9.0	40	4.4	55	9	230		29.63		29.86	FM-15	0.00	29.86	
01	2257	7	CLR:00	10.00		56	13.3	48	9.0	40	4.4	55	10	260		29.65	1	-0.04	29.88	FM-15	0.00	29.88
01	2357	7	CLR:00	10.00		58	14.4	49	9.5	40	4.4	51	14	290		29.65		29.87	FM-15	0.00	29.88	