

December 20, 2017 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 December 2017

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

Generated on 07/05/2018

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
19	0052	7	CLR:00	10.00		45	7.2	34	0.9	11	-11.7	25	0	000		29.75	3	-0.01	30.16	FM-15	0.00	30.17
19	0152	7	CLR:00	10.00		47	8.3	35	1.6	12	-11.1	24	0	000		29.75			30.16	FM-15	0.00	30.17
19	0252	7	CLR:00	10.00		39	3.9	30	-1.2	10	-12.2	30	5	350		29.75			30.16	FM-15	0.00	30.17
19	0352	7	CLR:00	10.00		40	4.4	30	-0.9	10	-12.2	29	3	300		29.75	5	+0.00	30.16	FM-15	0.00	30.17
19	0452	7	CLR:00	10.00		40	4.4	31	-0.8	11	-11.7	30	7	300		29.76			30.17	FM-15	0.00	30.18
19	0552	7	CLR:00	10.00		37	2.8	29	-1.9	10	-12.2	33	5	110		29.78			30.19	FM-15	0.00	30.20
19	0652	7	CLR:00	10.00		36	2.2	28	-2.3	10	-12.2	34	0	000		29.79	3	-0.04	30.21	FM-15	0.00	30.21
19	0752	7	CLR:00	10.00		41	5.0	32	-0.2	13	-10.6	32	0	000		29.80			30.22	FM-15	0.00	30.22
19	0852	7	CLR:00	10.00		47	8.3	37	2.5	19	-7.2	33	3	220		29.83			30.24	FM-15	0.00	30.25
19	0952	7	CLR:00	10.00		52	11.1	38	3.5	15	-9.4	23	3	180		29.82	0	-0.03	30.24	FM-15	0.00	30.24
19	1052	7	CLR:00	10.00		56	13.3	42	5.6	22	-5.6	27	6	150		29.80			30.22	FM-15	0.00	30.22
19	1152	7	CLR:00	10.00		60	15.6	44	6.6	21	-6.1	22	0	000		29.77			30.19	FM-15	0.00	30.19
19	1252	7	CLR:00	10.00		64	17.8	46	7.6	20	-6.7	18	5	120		29.75	8	+0.07	30.16	FM-15	0.00	30.17
19	1352	7	CLR:00	10.00		65	18.3	46	8.0	21	-6.1	19	0	000		29.73			30.15	FM-15	0.00	30.15
19	1452	7	CLR:00	10.00		66	18.9	47	8.4	22	-5.6	19	6	080		29.73			30.14	FM-15	0.00	30.15
19	1552	7	CLR:00	10.00		66	18.9	47	8.4	22	-5.6	19	5	070		29.72	6	+0.03	30.13	FM-15	0.00	30.14
19	1652	7	CLR:00	10.00		61	16.1	45	7.0	22	-5.6	22	5	060		29.71			30.12	FM-15	0.00	30.13
19	1752	7	CLR:00	10.00		56	13.3	41	4.9	17	-8.3	22	5	010		29.71			30.13	FM-15	0.00	30.13
19	1852	7	CLR:00	10.00		53	11.7	39	3.8	15	-9.4	22	5	320		29.72	3	-0.00	30.14	FM-15	0.00	30.14
19	1952	7	CLR:00	10.00		47	8.3	35	1.6	12	-11.1	24	5	350		29.73			30.14	FM-15	0.00	30.15
19	2052	7	CLR:00	10.00		47	8.3	35	1.7	13	-10.6	25	0	000		29.73			30.14	FM-15	0.00	30.15
19	2152	7	CLR:00	10.00		43	6.1	32	0.1	10	-12.2	26	0	000		29.73	1	-0.01	30.14	FM-15	0.00	30.15
19	2252	7	CLR:00	10.00		43	6.1	32	0.2	11	-11.7	27	3	350		29.73			30.14	FM-15	0.00	30.15
19	2352	7	CLR:00	10.00		42	5.6	32	-0.1	11	-11.7	28	5	360		29.71			30.12	FM-15	0.00	30.13

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
 December 2017**

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

Generated on 07/05/2018

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
20	0052	7	CLR:00	10.00		42	5.6	32	0.0	12	-11.1	29	8	330		29.71	7	+0.02	30.12	FM-15	0.00	30.13
20	0152	7	CLR:00	10.00		44	6.7	34	1.0	15	-9.4	31	3	040		29.70			30.12	FM-15	0.00	30.12
20	0252	7	CLR:00	10.00		41	5.0	32	-0.2	13	-10.6	32	0	000		29.70			30.11	FM-15	0.00	30.12
20	0352	7	CLR:00	10.00		41	5.0	33	0.6	19	-7.2	41	3	VRB		29.68	8	+0.03	30.09	FM-15	0.00	30.10
20	0452	7	CLR:00	10.00		36	2.2	28	-2.2	11	-11.7	35	3	340		29.67			30.09	FM-15	0.00	30.09
20	0552	7	CLR:00	10.00		37	2.8	29	-1.7	12	-11.1	36	7	340		29.68			30.09	FM-15	0.00	30.10
20	0652	7	CLR:00	10.00		38	3.3	30	-1.1	14	-10.0	37	5	340		29.69	3	-0.01	30.11	FM-15	0.00	30.11
20	0752	7	CLR:00	10.00		42	5.6	34	1.2	21	-6.1	43	0	000		29.69			30.11	FM-15	0.00	30.11
20	0852	7	CLR:00	10.00		47	8.3	37	2.8	21	-6.1	36	0	000		29.70			30.11	FM-15	0.00	30.12
20	0952	7	CLR:00	10.00		54	12.2	41	4.7	20	-6.7	26	0	000		29.68	8	+0.01	30.10	FM-15	0.00	30.10
20	1052	7	CLR:00	10.00		59	15.0	45	7.2	27	-2.8	29	7	160		29.64			30.05	FM-15	0.00	30.06
20	1152	7	CLR:00	10.00		64	17.8	48	8.9	29	-1.7	27	6	170		29.59			30.00	FM-15	0.00	30.01
20	1252	7	CLR:00	10.00		68	20.0	50	9.7	28	-2.2	22	7	180		29.55	8	+0.13	29.96	FM-15	0.00	29.97
20	1352	7	CLR:00	10.00		71	21.7	50	9.9	24	-4.4	17	20	170		29.50			29.91	FM-15	0.00	29.92
20	1452	7	CLR:00	10.00		71	21.7	50	10.0	25	-3.9	18	22	180		29.46			29.88	FM-15	0.00	29.88
20	1552	7	CLR:00	10.00		69	20.6	50	9.8	27	-2.8	21	17	180		29.44	6	+0.11	29.85	FM-15	0.00	29.86
20	1652	7	CLR:00	10.00		65	18.3	48	9.1	29	-1.7	26	15	170		29.40			29.81	FM-15	0.00	29.82
20	1752	7	CLR:00	10.00		63	17.2	50	9.7	35	1.7	35	7	170		29.40			29.81	FM-15	0.00	29.82
20	1852	7	CLR:00	10.00		64	17.8	53	11.5	42	5.6	45	18	200	26	29.41	5	+0.03	29.82	FM-15	0.00	29.83
20	1952	7	CLR:00	10.00		63	17.2	54	12.0	45	7.2	52	16	230		29.45			29.86	FM-15	0.00	29.87
20	2052	7	CLR:00	10.00		59	15.0	53	11.8	48	8.9	67	5	210		29.47			29.88	FM-15	0.00	29.89
20	2136	7	FEW:02 28 SCT:04 46	4.00	HZ:7 FU HZ	57	13.9	45	7.4	31	-0.6	37	15	020	22	29.50				FM-16		29.92
20	2150	6	FEW:02 25 BKN:07 46	2.50	HZ:7 HZ	57	14.0	45	7.2	30	-1.0	36	17	360	25	29.51				FM-16		29.93
20	2152	7	FEW:02 25 BKN:07 46	2.50	HZ:7 FU HZ	57	13.9	45	7.2	30	-1.1	36	20	360		29.51	3	-0.10	29.92	FM-15	0.00	29.93
20	2207	7	BKN:07 21 OVC:08 48	3.00	HZ:7 FU HZ	56	13.3	44	6.7	29	-1.7	36	15	360		29.52				FM-16		29.94
20	2235	7	BKN:07 33 OVC:08 60	5.00	HZ:7 FU HZ	58	14.4	43	6.3	23	-5.0	26	25	340	33	29.53				FM-16		29.95
20	2252	7	SCT:04 43 BKN:07 70	8.00		57	13.9	40	4.6	12	-11.1	17	28	340	37	29.54			29.95	FM-15	0.00	29.96
20	2352	7	CLR:00	10.00		55	12.8	40	4.5	16	-8.9	21	25	320	32	29.55			29.96	FM-15	0.00	29.97

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Generated on 07/05/2018

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 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
21	0052	7	FEW:02 95	10.00		54	12.2	40	4.3	17	-8.3	23	13	320		29.57	1	-0.06	29.98	FM-15	0.00	29.99
21	0152	7	CLR:00	10.00		51	10.6	38	3.2	15	-9.4	24	11	340		29.58			29.99	FM-15	0.00	30.00
21	0252	7	CLR:00	10.00		51	10.6	37	2.6	10	-12.2	19	18	350		29.59			30.00	FM-15	0.00	30.01
21	0352	7	CLR:00	10.00		51	10.6	37	2.7	11	-11.7	20	21	310		29.60	1	-0.02	30.01	FM-15	0.00	30.02
21	0452	7	CLR:00	10.00		50	10.0	36	2.4	11	-11.7	21	17	320		29.62			30.03	FM-15	0.00	30.04
21	0552	7	CLR:00	10.00		47	8.3	35	1.5	11	-11.7	23	15	350		29.65			30.06	FM-15	0.00	30.07
21	0652	7	CLR:00	10.00		43	6.1	32	0.2	11	-11.7	27	13	010		29.67	3	-0.07	30.09	FM-15	0.00	30.09
21	0752	7	CLR:00	10.00		47	8.3	35	1.6	12	-11.1	24	10	020		29.69			30.11	FM-15	0.00	30.11
21	0852	7	CLR:00	10.00		52	11.1	37	3.0	11	-11.7	19	10	350		29.72			30.13	FM-15	0.00	30.14
21	0952	7	CLR:00	10.00		55	12.8	39	3.7	9	-12.8	16	21	350	25	29.74	1	-0.06	30.15	FM-15	0.00	30.16
21	1052	7	CLR:00	10.00		56	13.3	39	4.0	8	-13.3	14	22	350	32	29.73			30.14	FM-15	0.00	30.15
21	1152	7	CLR:00	10.00		57	13.9	40	4.3	9	-12.8	15	23	320	30	29.70			30.11	FM-15	0.00	30.12
21	1252	7	CLR:00	10.00		58	14.4	40	4.5	8	-13.3	13	23	360	38	29.69	8	+0.05	30.10	FM-15	0.00	30.11
21	1352	7	CLR:00	10.00		59	15.0	40	4.6	5	-15.0	11	26	350	31	29.68			30.09	FM-15	0.00	30.10
21	1452	7	CLR:00	10.00		58	14.4	40	4.4	6	-14.4	12	16	350	31	29.67			30.09	FM-15	0.00	30.09
21	1552	7	CLR:00	10.00		58	14.4	40	4.4	7	-13.9	13	21	350	26	29.68	5	+0.00	30.09	FM-15	0.00	30.10
21	1652	7	CLR:00	10.00		54	12.2	38	3.3	7	-13.9	15	10	360		29.71			30.12	FM-15	0.00	30.13
21	1752	7	CLR:00	10.00		51	10.6	36	2.3	7	-13.9	17	10	330		29.73			30.14	FM-15	0.00	30.15
21	1852	7	CLR:00	10.00		50	10.0	36	2.2	9	-12.8	19	10	350		29.74	1	-0.06	30.16	FM-15	0.00	30.16
21	1952	7	CLR:00	10.00		46	7.8	34	0.9	8	-13.3	21	8	280		29.75			30.17	FM-15	0.00	30.17
21	2052	7	CLR:00	10.00		49	9.4	35	1.9	9	-12.8	20	11	340		29.76			30.17	FM-15	0.00	30.18
21	2152	7	CLR:00	10.00		47	8.3	34	1.2	8	-13.3	20	13	340		29.78	3	-0.04	30.19	FM-15	0.00	30.20
21	2252	7	CLR:00	10.00		45	7.2	33	0.5	8	-13.3	22	9	250		29.80			30.21	FM-15	0.00	30.22
21	2352	7	CLR:00	10.00		42	5.6	31	-0.5	7	-13.9	23	6	320		29.79			30.20	FM-15	0.00	30.21

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
19	0052	7				34	1.1	28	-2.2	17	-8.3	50	7	050		27.42	8	+0.01	30.11	FM-15	0.00	30.16
19	0152	7				32	0.0	27	-2.9	17	-8.3	54	3	030		27.41			30.12	FM-15	0.00	30.15
19	0252	7				34	1.1	28	-2.0	18	-7.8	52	6	050		27.41			30.11	FM-15	0.00	30.15
19	0352	7				32	0.0	27	-2.7	18	-7.8	56	7	050		27.41	6	+0.01	30.11	FM-15	0.00	30.15
19	0452	7				32	0.0	27	-2.7	18	-7.8	56	7	060		27.42			30.13	FM-15	0.00	30.16
19	0552	7				31	-0.6	27	-3.0	18	-7.8	59	6	050		27.43			30.16	FM-15	0.00	30.17
19	0652	7				30	-1.1	26	-3.4	18	-7.8	61	7	050		27.45	3	-0.04	30.19	FM-15	0.00	30.19
19	0752	7				38	3.3	31	-0.4	20	-6.7	48	6	060		27.46			30.19	FM-15	0.00	30.20
19	0852	7				51	10.6	39	3.8	21	-6.1	31	0	000		27.47			30.19	FM-15	0.00	30.21
19	0952	7				58	14.4	42	5.6	20	-6.7	23	3	190		27.46	0	-0.01	30.17	FM-15	0.00	30.20
19	1052	7				63	17.2	45	7.1	21	-6.1	20	11	220		27.45			30.15	FM-15	0.00	30.19
19	1152	7				65	18.3	45	7.5	20	-6.7	18	10	210		27.42			30.11	FM-15	0.00	30.16
19	1252	7				66	18.9	46	7.6	19	-7.2	16	14	220		27.39	8	+0.06	30.09	FM-15	0.00	30.13
19	1352	7				67	19.4	46	8.0	20	-6.7	17	13	220		27.39			30.09	FM-15	0.00	30.13
19	1452	7				66	18.9	46	7.9	21	-6.1	18	11	230		27.38			30.08	FM-15	0.00	30.12
19	1552	7				63	17.2	45	7.4	23	-5.0	22	11	210		27.39	5	+0.01	30.09	FM-15	0.00	30.13
19	1652	7				57	13.9	45	7.0	30	-1.1	36	9	220		27.39			30.11	FM-15	0.00	30.13
19	1752	7				48	8.9	39	3.7	26	-3.3	42	0	000		27.40			30.13	FM-15	0.00	30.14
19	1852	7				44	6.7	36	2.4	25	-3.9	47	5	050		27.41	3	-0.02	30.15	FM-15	0.00	30.15
19	1952	7				42	5.6	35	1.8	25	-3.9	51	6	050		27.41			30.14	FM-15	0.00	30.15
19	2052	7				39	3.9	33	0.8	25	-3.9	57	6	040		27.42			30.14	FM-15	0.00	30.16
19	2152	7				36	2.2	31	-0.3	24	-4.4	62	7	050		27.43	3	-0.01	30.14	FM-15	0.00	30.17
19	2252	7				35	1.7	31	-0.7	24	-4.4	64	7	050		27.43			30.13	FM-15	0.00	30.17
19	2352	7				34	1.1	30	-1.0	24	-4.4	67	7	060		27.41			30.11	FM-15	0.00	30.15

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 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
20	0052	7				33	0.6	30	-1.3	24	-4.4	70	8	060		27.40	8	+0.03	30.10	FM-15	0.00	30.14
20	0152	7				31	-0.6	27	-2.5	21	-6.1	67	6	040		27.40			30.10	FM-15	0.00	30.14
20	0252	7				32	0.0	28	-2.0	22	-5.6	66	6	060		27.39			30.10	FM-15	0.00	30.13
20	0352	7				29	-1.7	26	-3.4	20	-6.7	69	7	060		27.38	8	+0.01	30.09	FM-15	0.00	30.12
20	0452	7				30	-1.1	26	-3.2	19	-7.2	64	8	040		27.37			30.09	FM-15	0.00	30.11
20	0552	7				29	-1.7	26	-3.4	20	-6.7	69	7	050		27.38			30.11	FM-15	0.00	30.12
20	0652	7				29	-1.7	25	-3.7	18	-7.8	63	7	060		27.39	3	-0.01	30.14	FM-15	0.00	30.13
20	0752	7				36	2.2	30	-0.9	21	-6.1	55	6	050		27.39			30.13	FM-15	0.00	30.13
20	0852	7				47	8.3	37	2.7	22	-5.6	37	0	000		27.40			30.12	FM-15	0.00	30.14
20	0952	7				59	15.0	42	5.6	18	-7.8	20	10	210		27.38	8	+0.01	30.09	FM-15	0.00	30.12
20	1052	7				63s	17.2s	43	6.2	14	-10.0	15	16	210		27.35			30.05	FM-15	0.00	30.09
20	1152	7				62	16.7	43	6.4	18	-7.8	18	16	220		27.33			30.03	FM-15	0.00	30.06
20	1252	7				63s	17.2s	44	6.9	20	-6.7	19	17	220		27.30	8	+0.08	30.00	FM-15	0.00	30.03
20	1352	7				61	16.1	45	7.5	27	-2.8	27	15	220		27.29			29.99	FM-15	0.00	30.02
20	1452	7				60	15.6	47	8.4	33	0.6	36	15	240		27.27			29.97	FM-15	0.00	30.00
20	1552	7				56	13.3	47	8.4	38	3.3	51	18	220		27.25	8	+0.05	29.96	FM-15	0.00	29.98
20	1652	7				50	10.0	46	8.1	43	6.1	77	14	230		27.25			29.97	FM-15	0.00	29.98
20	1752	7				48	8.9	46	7.8	44	6.7	86	11	240		27.26			29.98	FM-15	0.00	29.99
20	1852	7				47	8.3	44	6.7	41	5.0	80	16	260	23	27.25	0	-0.00	29.97	FM-15	0.00	29.98
20	1952	7				46	7.8	44	6.7	42	5.6	86	11	230		27.24			29.96	FM-15	0.00	29.97
20	2052	7				46	7.8	45	7.2	44	6.7	93	15	230	23	27.24			29.93	FM-15	0.00	29.96
20	2152	7				46	7.8	45	7.5	45	7.2	96	11	230		27.24	5	+0.01	29.92	FM-15	0.00	29.97
20	2252	7				46	7.8	46	7.8	46	7.8	100	9	230		27.24			29.91	FM-15	0.00	29.97
20	2352	7				47	8.3	46	8.1	46	7.8	97	8	230		27.24			29.92	FM-15	0.01	29.97

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
December 2017

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

Generated on 07/05/2018

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
21	0052	7				46	7.8	45	7.2	44	6.7	93	9	240		27.24	8	+0.01	29.91	FM-15	0.00	29.96
21	0152	7				45	7.2	45	7.2	45	7.2	100	7	200		27.25			29.93	FM-15	0.00	29.98
21	0252	7				44	6.7	44	6.7	44	6.7	100	3	180		27.25			29.93	FM-15	0.00	29.98
21	0352	7				42	5.6	42	5.6	42	5.6	100	3	200		27.24	0	-0.01	29.93	FM-15	0.00	29.97
21	0452	7				43	6.1	43	5.8	42	5.6	97	0	000		27.25			29.94	FM-15	0.00	29.98
21	0552	7				40	4.4	40	4.2	39	3.9	97	6	360		27.27			29.97	FM-15	0.00	30.00
21	0652	7				37	2.8	35	1.6	32	0.0	82	7	020		27.29	3	-0.04	30.00	FM-15	0.00	30.02
21	0752	7				39	3.9	35	1.6	29	-1.7	67	5	050		27.30			30.01	FM-15	0.00	30.03
21	0852	7				43	6.1	34	1.4	21	-6.1	42	15	070	22	27.32			30.02	FM-15	0.00	30.05
21	0952	7				45	7.2	33	0.6	11	-11.7	25	25	060		27.33	3	-0.03	30.03	FM-15	0.00	30.06
21	1052	7				47	8.3	34	0.8	8	-13.3	20	23	050	36	27.34			30.03	FM-15	0.00	30.07
21	1152	7				49	9.4	34	1.4	7	-13.9	18	24	070	30	27.31			30.01	FM-15	0.00	30.04
21	1252	7				49	9.4	34	1.3	6	-14.4	17	23	050	32	27.30	8	+0.02	30.00	FM-15	0.00	30.03
21	1352	7				51	10.6	35	1.4	1	-17.2	13	22	050	29	27.30			29.99	FM-15	0.00	30.03
21	1452	7				49	9.4	33	0.7	0	-17.8	13	13	040	28	27.30			30.00	FM-15	0.00	30.03
21	1552	7				48	8.9	33	0.7	3	-16.1	15	21	050	26	27.31	3	-0.01	30.02	FM-15	0.00	30.04
21	1652	7				45	7.2	32	-0.2	4	-15.6	18	16	040		27.33			30.03	FM-15	0.00	30.06
21	1752	7				43	6.1	31	-0.7	5	-15.0	21	10	010		27.34			30.06	FM-15	0.00	30.08
21	1852	7				42	5.6	30	-0.8	7	-13.9	23	15	020		27.35	3	-0.05	30.08	FM-15	0.00	30.09
21	1952	7				39	3.9	29	-1.6	9	-12.8	29	10	010		27.37			30.10	FM-15	0.00	30.11
21	2052	7				39	3.9	29	-1.6	9	-12.8	29	6	020		27.38			30.11	FM-15	0.00	30.12
21	2152	7				39	3.9	29	-1.6	9	-12.8	29	9	030		27.38	0	-0.03	30.11	FM-15	0.00	30.12
21	2252	7				41	5.0	30	-1.2	7	-13.9	24	11	030	21	27.41			30.13	FM-15	0.00	30.15
21	2352	7				40	4.4	29	-1.5	7	-13.9	25	14	040		27.39			30.11	FM-15	0.00	30.13

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
19	0056	7	CLR:00	10.00		45	7.2	34	1.1	13	-10.6	27	7	280		30.21	7	+0.01	30.22	FM-15	0.00	30.17
19	0156	7	CLR:00	10.00		42	5.6	33	0.4	15	-9.4	33	7	290		30.21			30.22	FM-15	0.00	30.17
19	0256	7	CLR:00	10.00		42	5.6	33	0.7	17	-8.3	36	6	270		30.21			30.21	FM-15	0.00	30.17
19	0356	7	CLR:00	10.00		42	5.6	33	0.3	14	-10.0	32	7	240		30.20	8	+0.01	30.21	FM-15	0.00	30.16
19	0456	7	CLR:00	10.00		41	5.0	32	0.1	15	-9.4	35	5	250		30.22			30.22	FM-15	0.00	30.18
19	0556	7	CLR:00	10.00		40	4.4	32	-0.2	15	-9.4	36	5	270		30.24			30.24	FM-15	0.00	30.20
19	0656	7	CLR:00	10.00		39	3.9	31	-0.4	16	-8.9	39	8	270		30.25	3	-0.05	30.26	FM-15	0.00	30.21
19	0756	7	CLR:00	10.00		44	6.7	34	1.1	15	-9.4	31	0	000		30.26			30.27	FM-15	0.00	30.22
19	0856	7	CLR:00	10.00		51	10.6	40	4.4	23	-5.0	33	3	260		30.28			30.28	FM-15	0.00	30.24
19	0956	7	CLR:00	10.00		60	15.6	45	7.1	24	-4.4	25	0	000		30.28	1	-0.03	30.28	FM-15	0.00	30.24
19	1056	7	CLR:00	10.00		64	17.8	48	8.8	28	-2.2	26	0	000		30.26			30.26	FM-15	0.00	30.22
19	1156	7	CLR:00	10.00		66	18.9	48	9.0	26	-3.3	22	5	160		30.23			30.23	FM-15	0.00	30.19
19	1256	7	CLR:00	10.00		69	20.6	49	9.4	23	-5.0	17	3	VRB		30.20	8	+0.08	30.21	FM-15	0.00	30.16
19	1356	7	CLR:00	10.00		70	21.1	49	9.5	22	-5.6	16	6	130		30.18			30.19	FM-15	0.00	30.14
19	1456	7	CLR:00	9.00		70	21.1	49	9.5	22	-5.6	16	7	130		30.18			30.18	FM-15	0.00	30.14
19	1556	7	CLR:00	6.00	HZ:7 FU HZ	69	20.6	50	9.8	26	-3.3	20	6	130		30.18	6	+0.03	30.18	FM-15	0.00	30.14
19	1656	7	CLR:00	10.00		62	16.7	48	8.6	30	-1.1	30	6	090		30.17			30.17	FM-15	0.00	30.13
19	1756	7	CLR:00	10.00		54	12.2	44	6.6	31	-0.6	42	0	000		30.18			30.19	FM-15	0.00	30.14
19	1856	7	CLR:00	10.00		53	11.7	44	6.7	33	0.6	47	0	000		30.19	3	-0.01	30.19	FM-15	0.00	30.15
19	1956	7	CLR:00	10.00		52	11.1	43	6.1	31	-0.6	45	3	090		30.19			30.19	FM-15	0.00	30.15
19	2056	7	CLR:00	9.00		48	8.9	41	4.9	31	-0.6	52	6	040		30.19			30.20	FM-15	0.00	30.15
19	2156	7	CLR:00	10.00		47	8.3	39	3.7	26	-3.3	44	5	280		30.19	1	-0.01	30.20	FM-15	0.00	30.15
19	2256	7	CLR:00	10.00		45	7.2	37	2.9	25	-3.9	46	5	320		30.19			30.19	FM-15	0.00	30.15
19	2356	7	CLR:00	10.00		43	6.1	35	1.6	21	-6.1	42	3	360		30.17			30.18	FM-15	0.00	30.13

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
20	0056	7	CLR:00	10.00		42	5.6	34	1.3	21	-6.1	43	3	040		30.17	6	+0.02	30.18	FM-15	0.00	30.13
20	0156	7	CLR:00	10.00		43	6.1	36	2.2	25	-3.9	49	0	000		30.17			30.18	FM-15	0.00	30.13
20	0256	7	CLR:00	10.00		39	3.9	33	0.3	21	-6.1	48	7	250		30.16			30.17	FM-15	0.00	30.12
20	0356	7	CLR:00	10.00		40	4.4	32	0.0	17	-8.3	40	0	000		30.14	8	+0.03	30.15	FM-15	0.00	30.10
20	0456	7	CLR:00	10.00		38	3.3	32	-0.2	20	-6.7	48	3	290		30.14			30.14	FM-15	0.00	30.10
20	0556	7	CLR:00	10.00		38	3.3	31	-0.4	19	-7.2	46	0	000		30.15			30.16	FM-15	0.00	30.11
20	0656	7	CLR:00	10.00		38	3.3	31	-0.8	16	-8.9	41	5	200		30.17	3	-0.02	30.17	FM-15	0.00	30.13
20	0756	7	CLR:00	10.00		43	6.1	36	2.1	24	-4.4	47	0	000		30.16			30.16	FM-15	0.00	30.12
20	0856	7	FEW:02 200	7.00		50	10.0	41	5.1	29	-1.7	44	3	150		30.17			30.17	FM-15	0.00	30.13
20	0956	7	FEW:02 200	8.00		57	13.9	46	8.0	34	1.1	42	3	VRB		30.15	8	+0.02	30.15	FM-15	0.00	30.11
20	1056	7	FEW:02 200	8.00		61	16.1	49	9.3	35	1.7	38	6	140		30.10			30.11	FM-15	0.00	30.06
20	1156	7	FEW:02 200	7.00		66	18.9	52	11.0	37	2.8	34	5	060		30.06			30.06	FM-15	0.00	30.02
20	1256	7	SCT:04 200	10.00		67	19.4	53	11.4	38	3.3	35	3	130		30.03	6	+0.12	30.03	FM-15	0.00	29.99
20	1356	7	SCT:04 200	8.00		67	19.4	53	11.4	38	3.3	35	7	360		30.00			30.01	FM-15	0.00	29.96
20	1456	7	SCT:04 200	8.00		69	20.6	53	11.9	38	3.3	32	0	000		29.97			29.98	FM-15	0.00	29.93
20	1556	7	CLR:00	10.00		68	20.0	52	10.8	34	1.1	28	5	140		29.94	8	+0.09	29.94	FM-15	0.00	29.90
20	1656	7	CLR:00	10.00		65	18.3	49	9.5	31	-0.6	28	0	000		29.92			29.93	FM-15	0.00	29.88
20	1756	7	CLR:00	10.00		62	16.7	45	7.5	23	-5.0	22	10	180		29.91			29.91	FM-15	0.00	29.87
20	1849	7	SCT:04 7	3.00	-RA:02 RA	64	17.8	51	10.7	38	3.3	38	33	260	39	29.90				FM-16	T	29.86
20	1852	7	SCT:04 7	1.75	-RA:02 RA	64	18.0	51	10.4	37	3.0	37	38	260	46	29.91				FM-16	T	29.87
20	1854	6	BKN:07 5	1.50	-RA:02 RA	64	18.0	52	10.9	39	4.0	40	36	260	46	29.91				FM-16	T	29.87
20	1856	7	VV:09 5	1.00	-RA:02 RA	64	17.8	52	10.9	39	3.9	40	37	260	46	29.91	6	+0.04	29.91	FM-15	T	29.87
20	1858	7	VV:09 4	0.75	-RA:02 RA	64	17.8	52	10.9	39	3.9	40	36	260	46	29.91				FM-16	T	29.87
20	1908	7	VV:09 4	1.00	-RA:02 RA	63	17.2	52	10.8	40	4.4	43	38	270	46	29.91				FM-16	T	29.87
20	1919	7	VV:09 3	0.75	-RA:02 RA	63	17.2	51	10.6	39	3.9	41	39	260	46	29.92				FM-16	T	29.88
20	1936	7	OVC:08 3	1.50V	-RA:02 RA	62	16.7	51	10.6	40	4.4	44	32	250	46	29.93				FM-16	T	29.89
20	1939	7	BKN:07 3	3.00	-RA:02 RA	62	16.7	51	10.6	40	4.4	44	34	250	44	29.93				FM-16	T	29.89
20	1954	7	SCT:04 3	8.00	-RA:02 RA	61	16.0	50	10.1	39	4.0	45	33	240	43	29.94				FM-16	T	29.90
20	1956	7	SCT:04 3	8.00	-RA:02 RA	61	16.1	50	10.1	39	3.9	44	31	240	43	29.94			29.95	FM-15	T	29.90
20	2012	7	BKN:07 7	6.00	-RA:02 RA	60	15.6	50	9.9	39	3.9	46	33	240	45	29.93				FM-16	T	29.89
20	2023	7	SCT:04 7	9.00	-RA:02 RA	60	15.6	49	9.6	38	3.3	44	30	230	38	29.92				FM-16	T	29.88
20	2056	7	CLR:00	10.00	-RA:02 RA	60	15.6	51	10.3	41	5.0	50	30	250	33	29.97			29.97	FM-15	T	29.93
20	2119	7	BKN:07 26	9.00	-RA:02 RA	61	16.1	51	10.3	40	4.4	46	21	260		29.98				FM-16	T	29.94
20	2156	7	OVC:08 22	7.00		61	16.1	50	10.1	39	3.9	44	11	270		29.99	3	-0.05	29.99	FM-15	T	29.95
20	2245	7	BKN:07 9	5.00	HZ:7 FU HZ	61	16.1	50	9.9	38	3.3	43	20	290		30.01				FM-16	T	29.97
20	2254	6	SCT:04 9	5.00	HZ:7 HZ	61	16.0	49	9.7	37	3.0	42	11	300	24	30.01				FM-16		29.97
20	2256	7	SCT:04 9	5.00	HZ:7 FU HZ	60	15.6	49	9.4	37	2.8	42	11	290		30.01			30.02	FM-15	T	29.97
20	2356	7	CLR:00	10.00		59	15.0	49	9.2	37	2.8	44	17	310		30.03			30.03	FM-15	0.00	29.99

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
December 2017

Generated on 07/05/2018

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
21	0056	7	BKN:07 75	9.00		55	12.8	45	7.1	32	0.0	42	14	360		30.05	1	-0.06	30.05	FM-15		30.01
21	0156	7	OVC:08 70	10.00		53	11.7	42	5.8	28	-2.2	38	7	050		30.07			30.07	FM-15		30.03
21	0256	7	BKN:07 65	10.00		51	10.6	40	4.7	25	-3.9	36	13	010		30.07			30.08	FM-15		30.03
21	0356	7	SCT:04 70	10.00	-RA:02 RA	50	10.0	39	3.9	22	-5.6	33	21	010		30.08	1	-0.03	30.08	FM-15	T	30.04
21	0456	7	CLR:00	10.00		50	10.0	38	3.5	19	-7.2	29	16	360		30.10			30.11	FM-15	T	30.06
21	0556	7	CLR:00	10.00		45	7.2	37	2.5	23	-5.0	42	9	010		30.14			30.14	FM-15		30.10
21	0656	7	FEW:02 200	10.00		48	8.9	37	3.0	20	-6.7	33	14	340		30.16	1	-0.08	30.16	FM-15		30.12
21	0756	7	FEW:02 200	10.00		53	11.7	40	4.5	20	-6.7	27	14	360		30.18			30.19	FM-15		30.14
21	1456	7	CLR:00	10.00		61	16.1	42	5.7	10	-12.2	13	17	020		30.17			30.18	FM-15		30.13
21	1556	7	CLR:00	10.00		59	15.0	42	5.3	12	-11.1	15	9	010		30.19			30.19	FM-15	0.00	30.15
21	1656	7	CLR:00	10.00		52	11.1	39	3.7	16	-8.9	24	5	010		30.21			30.21	FM-15	0.00	30.17
21	1756	7	CLR:00	10.00		52	11.1	37	2.9	9	-12.8	17	0	000		30.22			30.23	FM-15	0.00	30.18
21	1856	7	CLR:00	10.00		45	7.2	34	1.3	14	-10.0	29	8	020		30.24	1	-0.05	30.24	FM-15	0.00	30.20
21	1956	7	CLR:00	10.00		48	8.9	36	2.5	16	-8.9	28	6	350		30.25			30.26	FM-15	0.00	30.21
21	2056	7	CLR:00	10.00		45	7.2	34	1.3	14	-10.0	29	8	250		30.26			30.27	FM-15	0.00	30.22
21	2156	7	CLR:00	10.00		41	5.0	31	-0.3	12	-11.1	30	6	VRB		30.27	1	-0.04	30.28	FM-15	0.00	30.23
21	2256	7	CLR:00	10.00		39	3.9	30	-1.1	11	-11.7	31	8	260		30.29			30.29	FM-15	0.00	30.25
21	2356	7	CLR:00	10.00		37	2.8	29	-1.6	12	-11.1	36	8	280		30.27			30.28	FM-15	0.00	30.23

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
19	0053	7	CLR:00	10.00		46	7.8	36	2.0	17	-8.3	31	3	270		30.21	8	+0.00	30.15	FM-15	0.00	30.15
19	0153	7	CLR:00	10.00		43	6.1	35	1.4	20	-6.7	40	3	260		30.22			30.15	FM-15	0.00	30.16
19	0253	7	CLR:00	10.00		42	5.6	34	1.1	20	-6.7	41	0	000		30.21			30.15	FM-15	0.00	30.15
19	0353	7	CLR:00	10.00		40	4.4	33	0.6	21	-6.1	47	5	230		30.20	8	+0.01	30.14	FM-15	0.00	30.14
19	0453	7	CLR:00	10.00		40	4.4	33	0.6	21	-6.1	47	0	000		30.22			30.16	FM-15	0.00	30.16
19	0553	7	CLR:00	10.00		40	4.4	33	0.8	22	-5.6	49	3	230		30.24			30.17	FM-15	0.00	30.18
19	0653	7	CLR:00	10.00		38	3.3	33	0.3	23	-5.0	55	3	260		30.25	1	-0.04	30.18	FM-15	0.00	30.19
19	0753	7	CLR:00	10.00		44	6.7	36	2.2	23	-5.0	43	0	000		30.26			30.20	FM-15	0.00	30.20
19	0853	7	CLR:00	10.00		52	11.1	41	5.2	26	-3.3	37	0	000		30.28			30.22	FM-15	0.00	30.22
19	0953	7	CLR:00	10.00		59	15.0	46	7.7	29	-1.7	32	0	000		30.28	1	-0.03	30.22	FM-15	0.00	30.22
19	1053	7	CLR:00	10.00		64	17.8	47	8.5	26	-3.3	24	0	000		30.26			30.20	FM-15	0.00	30.20
19	1153	7	CLR:00	10.00		66	18.9	49	9.2	27	-2.8	23	6	110		30.23			30.17	FM-15	0.00	30.17
19	1253	7	CLR:00	10.00		69	20.6	50	9.9	27	-2.8	21	0	000		30.21	8	+0.07	30.14	FM-15	0.00	30.15
19	1353	7	CLR:00	10.00		70	21.1	51	10.3	28	-2.2	21	7	120		30.18			30.12	FM-15	0.00	30.12
19	1453	7	CLR:00	9.00		70	21.1	50	10.0	26	-3.3	19	8	100		30.18			30.12	FM-15	0.00	30.12
19	1553	7	CLR:00	10.00		69	20.6	50	9.8	26	-3.3	20	5	100		30.18	6	+0.03	30.11	FM-15	0.00	30.12
19	1653	7	CLR:00	10.00		65	18.3	48	8.7	26	-3.3	23	5	130		30.17			30.11	FM-15	0.00	30.11
19	1753	7	CLR:00	10.00		61	16.1	46	8.0	28	-2.2	29	5	140		30.18			30.11	FM-15	0.00	30.12
19	1853	7	CLR:00	8.00		60	15.6	46	7.7	28	-2.2	30	5	120		30.19	3	-0.01	30.12	FM-15	0.00	30.13
19	1953	7	CLR:00	8.00		57	13.9	45	7.1	29	-1.7	34	3	110		30.19			30.12	FM-15	0.00	30.13
19	2053	7	CLR:00	8.00		53	11.7	42	5.8	28	-2.2	38	3	120		30.19			30.13	FM-15	0.00	30.13
19	2153	7	CLR:00	9.00		48	8.9	41	4.9	31	-0.6	52	0	000		30.19	0	-0.00	30.13	FM-15	0.00	30.13
19	2253	7	CLR:00	10.00		44	6.7	39	3.9	32	0.0	63	0	000		30.19			30.13	FM-15	0.00	30.13
19	2353	7	CLR:00	10.00		48	8.9	41	4.9	31	-0.6	52	3	050		30.17			30.11	FM-15	0.00	30.11

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
20	0053	7	CLR:00	10.00		45	7.2	38	3.4	28	-2.2	52	0	000		30.17	8	+0.02	30.11	FM-15	0.00	30.11
20	0153	7	CLR:00	10.00		41	5.0	37	2.7	31	-0.6	67	0	000		30.17			30.11	FM-15	0.00	30.11
20	0253	7	CLR:00	10.00		39	3.9	35	1.9	30	-1.1	70	0	000		30.16			30.10	FM-15	0.00	30.10
20	0353	7	CLR:00	10.00		39	3.9	35	1.9	30	-1.1	70	0	000		30.15	8	+0.02	30.09	FM-15	0.00	30.09
20	0453	7	CLR:00	10.00		39	3.9	36	2.1	31	-0.6	73	0	000		30.14			30.08	FM-15	0.00	30.08
20	0553	7	CLR:00	10.00		40	4.4	35	1.5	26	-3.3	58	0	000		30.15			30.08	FM-15	0.00	30.09
20	0653	7	CLR:00	10.00		38	3.3	33	0.5	24	-4.4	57	5	180		30.16	3	-0.01	30.10	FM-15	0.00	30.10
20	0753	7	CLR:00	9.00		45	7.2	38	3.4	28	-2.2	52	3	140		30.16			30.09	FM-15	0.00	30.10
20	0853	7	CLR:00	8.00		53	11.7	42	5.8	28	-2.2	38	0	000		30.17			30.11	FM-15	0.00	30.11
20	0953	7	CLR:00	8.00		56	13.3	47	8.2	36	2.2	47	5	110		30.15	8	+0.02	30.09	FM-15	0.00	30.09
20	1053	7	CLR:00	9.00		62	16.7	50	10.2	38	3.3	41	7	160		30.10			30.04	FM-15	0.00	30.04
20	1153	7	CLR:00	9.00		66	18.9	54	12.0	42	5.6	42	3	190		30.06			30.00	FM-15	0.00	30.00
20	1253	7	CLR:00	10.00		67	19.4	54	12.5	43	6.1	42	7	120		30.03	6	+0.12	29.97	FM-15	0.00	29.97
20	1353	7	CLR:00	10.00		69	20.6	54	12.3	40	4.4	35	6	230		30.00			29.94	FM-15	0.00	29.94
20	1453	7	CLR:00	10.00		71	21.7	54	12.2	37	2.8	29	6	230		29.97			29.91	FM-15	0.00	29.91
20	1553	7	CLR:00	10.00		69	20.6	52	11.1	34	1.1	27	3	210		29.94	8	+0.09	29.88	FM-15	0.00	29.88
20	1653	7	CLR:00	10.00		67	19.4	51	10.8	35	1.7	31	6	210		29.92			29.86	FM-15	0.00	29.86
20	1753	7	CLR:00	10.00		65	18.3	49	9.5	31	-0.6	28	0	000		29.91			29.85	FM-15	0.00	29.85
20	1853	7	CLR:00	10.00		65	18.3	51	10.7	37	2.8	36	13	250	23	29.91	6	+0.03	29.85	FM-15	0.00	29.85
20	1907	7	CLR:00	6.00	HZ:7 FU HZ	63	17.2	52	11.1	41	5.0	45	23	260	32	29.90				FM-16		29.84
20	1926	7	FEW:02 5	4.00	HZ:7 FU HZ	62	16.7	51	10.6	40	4.4	44	26	270	38	29.90				FM-16		29.84
20	1953	7	FEW:02 4	3.00	HZ:7 FU HZ	61	16.1	51	10.3	40	4.4	46	30	250	43	29.93			29.86	FM-15	0.00	29.87
20	2053	7	CLR:00	10.00		60	15.6	51	10.3	41	5.0	50	21	260	30	29.95			29.88	FM-15	0.00	29.89
20	2125	7	BKN:07 25	10.00		59	15.0	51	10.3	42	5.6	54	15	260		29.98				FM-16	T	29.92
20	2153	7	OVC:08 19	7.00		59	15.0	51	10.3	42	5.6	54	11	280		29.99	3	-0.08	29.93	FM-15	T	29.93
20	2227	7	SCT:04 16	7.00		62	16.7	50	10.2	38	3.3	41	26	290	39	29.98				FM-16		29.92
20	2237	7	BKN:07 14	5.00	HZ:7 FU HZ	61	16.1	50	10.1	39	3.9	44	18	300	34	30.00				FM-16		29.94
20	2250	7	BKN:07 23	5.00	HZ:7 FU HZ	61	16.0	50	10.1	39	4.0	45	17	300		30.00				FM-16		29.94
20	2253	7	BKN:07 25	5.00	HZ:7 FU HZ	59	15.0	50	9.8	40	4.4	49	16	300	25	30.01			29.94	FM-15	0.00	29.95
20	2309	7	SCT:04 30	10.00		60	15.6	49	9.6	38	3.3	44	11	320		30.02				FM-16		29.96
20	2353	7	CLR:00	10.00		59	15.0	49	9.4	38	3.3	46	9	350		30.03			29.97	FM-15	0.00	29.97

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
21	0053	7	CLR:00	7.00		54	12.2	44	6.8	32	0.0	43	10	060		30.05	3	-0.04	29.98	FM-15	0.00	29.99
21	0153	7	OVC:08 75	10.00		54	12.2	41	5.2	23	-5.0	30	11	360		30.06			30.00	FM-15	0.00	30.00
21	0253	7	BKN:07 65	10.00		53	11.7	40	4.4	19	-7.2	26	10	360		30.07			30.01	FM-15	0.00	30.01
21	0353	7	BKN:07 75	10.00		52	11.1	39	3.7	16	-8.9	24	14	360		30.08	1	-0.03	30.01	FM-15	0.00	30.02
21	0453	7	CLR:00	10.00		50	10.0	38	3.6	20	-6.7	30	15	360		30.10			30.03	FM-15	0.00	30.04
21	0553	7	CLR:00	10.00		50	10.0	37	2.9	15	-9.4	25	14	360		30.13			30.07	FM-15	0.00	30.07
21	0653	7	CLR:00	10.00		49	9.4	37	2.9	17	-8.3	28	11	020		30.16	3	-0.08	30.09	FM-15	0.00	30.10
21	0753	7	CLR:00	10.00		52	11.1	39	4.1	19	-7.2	27	15	350		30.18			30.11	FM-15	0.00	30.12
21	0853	7	CLR:00	10.00		57	13.9	41	5.2	16	-8.9	20	22	350	29	30.21			30.15	FM-15	0.00	30.15
21	0953	7	CLR:00	10.00		58	14.4	41	5.2	14	-10.0	18	22	350	28	30.23	1	-0.07	30.16	FM-15	0.00	30.17
21	1053	7	CLR:00	10.00		60	15.6	42	5.5	11	-11.7	14	20	350	28	30.23			30.16	FM-15	0.00	30.17
21	1153	7	CLR:00	8.00		61	16.1	42	5.6	9	-12.8	13	21	350	36	30.20			30.14	FM-15	0.00	30.14
21	1253	7	CLR:00	10.00		61	16.1	42	5.5	8	-13.3	12	20	010	26	30.19	8	+0.03	30.13	FM-15	0.00	30.13
21	1353	7	CLR:00	10.00		61	16.1	43	6.1	14	-10.0	16	14	330		30.18			30.12	FM-15	0.00	30.12
21	1453	7	CLR:00	10.00		61	16.1	42	5.4	7	-13.9	11	16	010		30.17			30.11	FM-15	0.00	30.11
21	1553	7	CLR:00	10.00		60	15.6	41	5.1	7	-13.9	12	11	360		30.18	5	+0.01	30.12	FM-15	0.00	30.12
21	1653	7	CLR:00	10.00		56	13.3	39	4.1	9	-12.8	15	9	020		30.20			30.14	FM-15	0.00	30.14
21	1753	7	CLR:00	10.00		52	11.1	37	2.9	9	-12.8	17	9	030		30.22			30.16	FM-15	0.00	30.16
21	1853	7	CLR:00	10.00		53	11.7	38	3.1	8	-13.3	16	7	350		30.24	1	-0.05	30.17	FM-15	0.00	30.18
21	1953	7	CLR:00	10.00		51	10.6	38	3.1	14	-10.0	23	6	280		30.25			30.19	FM-15	0.00	30.19
21	2053	7	CLR:00	10.00		48	8.9	36	2.3	15	-9.4	27	3	290		30.26			30.20	FM-15	0.00	30.20
21	2153	7	CLR:00	10.00		42	5.6	34	1.0	19	-7.2	40	7	250		30.27	1	-0.04	30.21	FM-15	0.00	30.21
21	2253	7	CLR:00	10.00		38	3.3	32	-0.2	20	-6.7	48	7	240		30.29			30.22	FM-15	0.00	30.23
21	2353	7	CLR:00	10.00		38	3.3	30	-0.9	15	-9.4	39	9	270		30.28			30.21	FM-15	0.00	30.22

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
December 2017

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

Generated on 07/05/2018

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
19	0052	7	CLR:00	10.00		38	3.3	34	1.0	27	-2.8	65	3	330		30.27	8	+0.00	30.15	FM-15	0.00	30.15
19	0152	7	CLR:00	10.00		40	4.4	35	1.8	28	-2.2	63	7	360		30.27			30.15	FM-15	0.00	30.15
19	0252	7	CLR:00	10.00		40	4.4	35	1.7	27	-2.8	60	3	340		30.27			30.14	FM-15	0.00	30.14
19	0352	7	CLR:00	10.00		35	1.7	31	-0.4	25	-3.9	67	5	340		30.27	5	+0.01	30.14	FM-15	0.00	30.14
19	0452	7	CLR:00	10.00		34	1.1	30	-0.9	24	-4.4	67	3	340		30.27			30.15	FM-15	0.00	30.15
19	0552	7	CLR:00	10.00		34	1.1	31	-0.7	25	-3.9	70	0	000		30.29			30.17	FM-15	0.00	30.17
19	0652	7	CLR:00	10.00		37	2.8	33	0.3	25	-3.9	62	6	350		30.31	3	-0.04	30.18	FM-15	0.00	30.18
19	0752	7	CLR:00	10.00		45	7.2	37	3.1	26	-3.3	48	0	000		30.32			30.19	FM-15	0.00	30.19
19	0852	7	CLR:00	10.00		54	12.2	43	5.9	27	-2.8	35	3	310		30.35			30.21	FM-15	0.00	30.22
19	0952	7	CLR:00	10.00		58	14.4	45	7.2	28	-2.2	32	3	VRB		30.34	0	-0.02	30.20	FM-15	0.00	30.21
19	1052	7	CLR:00	10.00		64	17.8	47	8.3	25	-3.9	23	0	000		30.32			30.19	FM-15	0.00	30.19
19	1152	7	CLR:00	10.00		67	19.4	49	9.3	26	-3.3	21	7	120		30.27			30.15	FM-15	0.00	30.15
19	1252	7	CLR:00	10.00		67	19.4	53	11.4	38	3.3	35	9	160		30.26	6	+0.07	30.13	FM-15	0.00	30.13
19	1352	7	CLR:00	10.00		68	20.0	51	10.3	31	-0.6	25	9	150		30.24			30.12	FM-15	0.00	30.12
19	1452	7	CLR:00	10.00		68	20.0	50	10.0	29	-1.7	23	8	160		30.24			30.11	FM-15	0.00	30.11
19	1552	7	CLR:00	10.00		66	18.9	49	9.3	28	-2.2	24	7	160		30.24	5	+0.02	30.11	FM-15	0.00	30.11
19	1652	7	CLR:00	10.00		55	12.8	44	6.7	30	-1.1	38	0	000		30.24			30.11	FM-15	0.00	30.12
19	1752	7	CLR:00	10.00		50	10.0	42	5.3	30	-1.1	46	3	270		30.26			30.13	FM-15	0.00	30.13
19	1852	7	CLR:00	10.00		48	8.9	41	4.9	31	-0.6	52	3	330		30.26	3	-0.02	30.13	FM-15	0.00	30.13
19	1952	7	CLR:00	10.00		45	7.2	39	3.8	30	-1.1	56	5	330		30.27			30.13	FM-15	0.00	30.14
19	2052	7	CLR:00	10.00		48	8.9	40	4.5	29	-1.7	48	6	360		30.27			30.14	FM-15	0.00	30.14
19	2152	7	CLR:00	10.00		45	7.2	38	3.4	28	-2.2	52	5	020		30.27	0	-0.01	30.14	FM-15	0.00	30.14
19	2252	7	CLR:00	10.00		46	7.8	38	3.4	26	-3.3	46	7	350		30.27			30.14	FM-15	0.00	30.14
19	2352	7	CLR:00	10.00		40	4.4	35	1.8	28	-2.2	63	5	340		30.24			30.12	FM-15	0.00	30.12

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
20	0052	7	CLR:00	10.00		39	3.9	34	1.3	27	-2.8	62	0	000		30.24	8	+0.03	30.11	FM-15	0.00	30.11
20	0152	7	CLR:00	10.00		38	3.3	34	1.2	28	-2.2	68	5	010		30.22			30.10	FM-15	0.00	30.10
20	0252	7	CLR:00	10.00		38	3.3	34	1.0	27	-2.8	65	0	000		30.22			30.10	FM-15	0.00	30.10
20	0352	7	CLR:00	10.00		35	1.7	32	-0.2	26	-3.3	70	0	000		30.21	8	+0.03	30.08	FM-15	0.00	30.08
20	0452	7	CLR:00	10.00		34	1.1	31	-0.5	26	-3.3	73	5	340		30.21			30.08	FM-15	0.00	30.08
20	0552	7	CLR:00	10.00		34	1.1	31	-0.3	27	-2.8	75	3	290		30.21			30.08	FM-15	0.00	30.08
20	0652	7	CLR:00	10.00		33	0.6	30	-1.0	25	-3.9	72	0	000		30.22	3	-0.01	30.09	FM-15	0.00	30.09
20	0752	7	CLR:00	7.00		42	5.6	37	2.9	30	-1.1	62	0	000		30.22			30.09	FM-15	0.00	30.10
20	0852	7	CLR:00	10.00		54	12.2	46	7.6	36	2.2	51	3	210		30.22			30.10	FM-15	0.00	30.10
20	0952	7	CLR:00	10.00		58	14.4	49	9.6	40	4.4	51	5	170		30.22	0	-0.01	30.10	FM-15	0.00	30.10
20	1052	7	CLR:00	10.00		59	15.0	50	9.8	40	4.4	49	5	230		30.19			30.06	FM-15	0.00	30.06
20	1152	7	CLR:00	10.00		60	15.6	48	8.6	33	0.6	36	0	000		30.14			30.01	FM-15	0.00	30.01
20	1252	7	CLR:00	10.00		65s	18.3s	48	9.1	28	-2.2	25	8	130		30.09	8	+0.13	29.96	FM-15	0.00	29.97
20	1352	7	CLR:00	10.00		65	18.3	48	8.7	26	-3.3	23	9	150		30.04			29.92	FM-15	0.00	29.92
20	1452	7	CLR:00	10.00		65	18.3	49	9.6	31	-0.6	28	11	150		30.01			29.88	FM-15	0.00	29.88
20	1552	7	CLR:00	10.00		62	16.7	50	9.7	36	2.2	38	17	140	24	29.96	7	+0.13	29.84	FM-15	0.00	29.84
20	1652	7	CLR:00	8.00		59	15.0	47	8.2	32	0.0	36	17	160	25	29.92			29.80	FM-15	0.00	29.80
20	1752	7	CLR:00	10.00		57	13.9	47	8.4	36	2.2	45	7	360		29.94			29.82	FM-15	0.00	29.82
20	1852	7	CLR:00	10.00		60	15.6	50	9.9	39	3.9	46	5	VRB		29.94	6	+0.02	29.81	FM-15	0.00	29.82
20	1952	7	CLR:00	10.00		62	11.1	44	6.8	35	1.7	53	5	310		29.97			29.84	FM-15	0.00	29.85
20	2052	7	FEW:02 39	10.00		61	16.1	51	10.3	40	4.4	46	15	330	20	30.01			29.88	FM-15	0.00	29.88
20	2128	7	FEW:02 8	2.50V	HZ:7 FU HZ	63	17.2	52	10.8	40	4.4	43	25	350	33	30.02				FM-16		29.90
20	2136	7	FEW:02 10	5.00	HZ:7 FU HZ	62	16.7	51	10.4	39	3.9	43	25	350	34	30.02				FM-16		29.90
20	2152	7	CLR:00	9.00		62	16.7	50	10.2	38	3.3	41	17	350	24	30.04	3	-0.11	29.92	FM-15	0.00	29.92
20	2252	7	CLR:00	10.00		61	16.1	43	6.3	16	-8.9	17	16	350	23	30.09			29.96	FM-15	0.00	29.96
20	2352	7	CLR:00	10.00		59	15.0	42	5.4	13	-10.6	16	14	310	22	30.11			29.98	FM-15	0.00	29.98

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
21	0052	7	CLR:00	10.00		57	13.9	40	4.4	9	-12.8	15	13	290		30.12	1	-0.07	29.99	FM-15	0.00	30.00
21	0152	7	CLR:00	10.00		56	13.3	39	3.9	7	-13.9	14	11	300		30.14			30.01	FM-15	0.00	30.01
21	0252	7	CLR:00	10.00		54	12.2	38	3.2	6	-14.4	14	13	300		30.16			30.03	FM-15	0.00	30.03
21	0352	7	CLR:00	10.00		54	12.2	38	3.3	7	-13.9	15	11	290		30.16	1	-0.05	30.04	FM-15	0.00	30.04
21	0452	7	CLR:00	10.00		54	12.2	38	3.2	6	-14.4	14	16	300	24	30.19			30.07	FM-15	0.00	30.07
21	0552	7	CLR:00	10.00		53	11.7	38	3.1	8	-13.3	16	17	300	24	30.22			30.10	FM-15	0.00	30.10
21	0652	7	CLR:00	10.00		52	11.1	37	2.8	8	-13.3	17	11	310		30.24	1	-0.08	30.12	FM-15	0.00	30.12
21	0752	7	CLR:00	10.00		55	12.8	39	3.7	8	-13.3	15	9	310		30.27			30.14	FM-15	0.00	30.15
21	0852	7	CLR:00	10.00		58	14.4	41	4.8	10	-12.2	15	14	300		30.31			30.18	FM-15	0.00	30.18
21	0952	7	CLR:00	10.00		59	15.0	41	4.9	8	-13.3	13	13	340		30.32	1	-0.07	30.19	FM-15	0.00	30.19
21	1052	7	CLR:00	7.00		60	15.6	41	5.1	6	-14.4	11	16	330	28	30.31			30.18	FM-15	0.00	30.18
21	1152	7	CLR:00	8.00		62	16.7	42	5.6	5	-15.0	10	18	340	28	30.27			30.14	FM-15	0.00	30.14
21	1252	7	CLR:00	10.00		63	17.2	43	5.9	5	-15.0	10	18	350	25	30.26	8	+0.06	30.13	FM-15	0.00	30.13
21	1352	7	CLR:00	7.00		63	17.2	42	5.8	4	-15.6	9	24	330	33	30.24			30.11	FM-15	0.00	30.11
21	1452	7	CLR:00	10.00		64	17.8	43	6.1	4	-15.6	9	11	340	20	30.24			30.11	FM-15	0.00	30.11
21	1552	7	CLR:00	10.00		62	16.7	42	5.5	4	-15.6	10	15	360		30.24	5	+0.01	30.12	FM-15	0.00	30.12
21	1652	7	CLR:00	8.00		59	15.0	40	4.6	4	-15.6	11	21	340	31	30.24			30.12	FM-15	0.00	30.12
21	1752	7	CLR:00	10.00		54	12.2	38	3.3	6	-14.4	14	0	000		30.29			30.16	FM-15	0.00	30.16
21	1852	7	CLR:00	10.00		54	12.2	38	3.3	6	-14.4	14	9	320		30.29	2	-0.04	30.16	FM-15	0.00	30.17
21	1952	7	CLR:00	10.00		51	10.6	37	2.6	9	-12.8	18	7	310		30.31			30.18	FM-15	0.00	30.18
21	2052	7	CLR:00	10.00		51	10.6	37	2.6	9	-12.8	18	10	280		30.31			30.18	FM-15	0.00	30.18
21	2152	7	CLR:00	10.00		55	12.8	38	3.6	6	-14.4	14	8	300		30.32	1	-0.02	30.19	FM-15	0.00	30.19
21	2252	7	CLR:00	10.00		57	13.9	40	4.2	6	-14.4	13	10	310		30.34			30.21	FM-15	0.00	30.21
21	2352	7	CLR:00	10.00		53	11.7	38	3.1	8	-13.3	16	9	290		30.32			30.20	FM-15	0.00	30.20

December 20, 2017 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 December 2017

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

Generated on 07/05/2018

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
19	0053	7	CLR:00	10.00		53	11.7	40	4.6	21	-6.1	28	6	320		29.69	8	+0.01	30.18	FM-15	0.00	30.18
19	0153	7	CLR:00	10.00		49	9.4	38	3.1	19	-7.2	31	7	350		29.69			30.18	FM-15	0.00	30.18
19	0253	7	CLR:00	10.00		49	9.4	38	3.1	19	-7.2	31	8	330		29.68			30.17	FM-15	0.00	30.17
19	0353	7	CLR:00	10.00		48	8.9	38	3.6	24	-4.4	39	0	000		29.68	8	+0.01	30.17	FM-15	0.00	30.17
19	0453	7	CLR:00	10.00		49	9.4	38	3.3	20	-6.7	32	9	320		29.69			30.18	FM-15	0.00	30.18
19	0553	7	CLR:00	10.00		47	8.3	37	2.5	19	-7.2	33	6	320		29.71			30.20	FM-15	0.00	30.20
19	0653	7	CLR:00	10.00		46	7.8	36	2.3	20	-6.7	35	5	330		29.72	3	-0.04	30.21	FM-15	0.00	30.21
19	0753	7	CLR:00	10.00		51	10.6	39	4.2	22	-5.6	32	6	340		29.73			30.22	FM-15	0.00	30.22
19	0853	7	CLR:00	10.00		58	14.4	43	6.0	21	-6.1	24	0	000		29.74			30.23	FM-15	0.00	30.23
19	0953	7	CLR:00	10.00		64	17.8	46	7.6	20	-6.7	18	0	000		29.74	0	-0.02	30.23	FM-15	0.00	30.23
19	1053	7	CLR:00	10.00		68	20.0	48	8.6	20	-6.7	16	3	VRB		29.71			30.20	FM-15	0.00	30.20
19	1153	7	CLR:00	10.00		70	21.1	48	9.1	20	-6.7	15	6	VRB		29.68			30.17	FM-15	0.00	30.17
19	1253	7	CLR:00	10.00		70	21.1	49	9.4	22	-5.6	16	7	VRB		29.66	6	+0.08	30.15	FM-15	0.00	30.15
19	1353	7	CLR:00	10.00		71	21.7	50	9.8	23	-5.0	16	7	VRB		29.65			30.14	FM-15	0.00	30.13
19	1453	7	CLR:00	10.00		71	21.7	50	10.2	26	-3.3	19	7	VRB		29.65			30.13	FM-15	0.00	30.13
19	1553	7	CLR:00	10.00		67	19.4	48	8.9	24	-4.4	20	10	110		29.65	5	+0.01	30.14	FM-15	0.00	30.14
19	1653	7	CLR:00	10.00		64	17.8	47	8.3	25	-3.9	23	5	110		29.66			30.15	FM-15	0.00	30.15
19	1753	7	CLR:00	10.00		61	16.1	45	7.3	24	-4.4	24	0	000		29.67			30.17	FM-15	0.00	30.16
19	1853	7	CLR:00	10.00		57	13.9	44	6.5	26	-3.3	30	3	350		29.68	1	-0.03	30.17	FM-15	0.00	30.17
19	1953	7	CLR:00	10.00		54	12.2	42	5.3	24	-4.4	31	5	350		29.68			30.17	FM-15	0.00	30.17
19	2053	7	CLR:00	10.00		53	11.7	41	4.9	23	-5.0	31	7	340		29.69			30.18	FM-15	0.00	30.18
19	2153	7	CLR:00	10.00		53	11.7	41	5.1	24	-4.4	32	5	310		29.68	0	-0.00	30.17	FM-15	0.00	30.17
19	2253	7	CLR:00	10.00		51	10.6	41	4.8	26	-3.3	38	0	000		29.68			30.17	FM-15	0.00	30.17
19	2353	7	CLR:00	10.00		50	10.0	40	4.5	26	-3.3	39	5	330		29.66			30.15	FM-15	0.00	30.15

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
20	0053	7	CLR:00	10.00		50	10.0	40	4.3	25	-3.9	38	7	330		29.65	8	+0.04	30.14	FM-15	0.00	30.14
20	0153	7	CLR:00	10.00		49	9.4	39	4.0	25	-3.9	39	6	320		29.63			30.13	FM-15	0.00	30.12
20	0353	7	CLR:00	10.00		50	10.0	40	4.7	27	-2.8	41	0	000		29.62	8	+0.04	30.10	FM-15	0.00	30.10
20	0453	7	CLR:00	10.00		48	8.9	41	4.8	31	-0.6	52	3	230		29.62			30.10	FM-15	0.00	30.10
20	0553	7	CLR:00	10.00		48	8.9	39	4.1	27	-2.8	44	3	350		29.62			30.10	FM-15	0.00	30.10
20	0653	7	CLR:00	10.00		44	6.7	39	4.1	33	0.6	65	0	000		29.62	5	+0.01	30.10	FM-15	0.00	30.10
20	0753	7	CLR:00	10.00		52	11.1	43	6.0	31	-0.6	45	0	000		29.62			30.12	FM-15	0.00	30.11
20	0853	7	CLR:00	10.00		54	12.2	43	6.2	29	-1.7	38	0	000		29.65			30.13	FM-15	0.00	30.13
20	0953	7	CLR:00	10.00		58	14.4	45	7.3	29	-1.7	33	3	070		29.63	0	-0.02	30.12	FM-15	0.00	30.12
20	1053	7	CLR:00	10.00		60	15.6	46	8.0	30	-1.1	32	3	VRB		29.59			30.09	FM-15	0.00	30.08
20	1153	7	CLR:00	10.00		62	16.7	47	8.2	28	-2.2	28	7	110		29.54			30.02	FM-15	0.00	30.02
20	1253	7	CLR:00	10.00		65	18.3	48	9.1	29	-1.7	26	5	VRB		29.50	8	+0.14	29.98	FM-15	0.00	29.98
20	1353	7	CLR:00	10.00		66	18.9	51	10.3	34	1.1	30	9	120		29.45			29.93	FM-15	0.00	29.93
20	1420	7	CLR:00	10.00		67	19.4	49	9.5	28	-2.2	23	9	140		29.43				FM-16		29.91
20	1453	7	CLR:00	10.00		67	19.4	49	9.5	28	-2.2	23	8	120		29.42			29.90	FM-15	0.00	29.90
20	1553	7	CLR:00	10.00		64	17.8	47	8.4	26	-3.3	24	9	120		29.38	6	+0.12	29.85	FM-15	0.00	29.86
20	1653	7	CLR:00	10.00		61	16.1	47	8.1	29	-1.7	30	6	130		29.36			29.84	FM-15	0.00	29.84
20	1753	7	CLR:00	10.00		58	14.4	46	7.6	31	-0.6	36	0	000		29.35			29.83	FM-15	0.00	29.83
20	1853	7	CLR:00	10.00		56	13.3	45	7.5	33	0.6	42	6	VRB		29.33	6	+0.04	29.81	FM-15	0.00	29.81
20	1953	7	CLR:00	9.00		57	13.9	47	8.6	37	2.8	47	7	140		29.34			29.83	FM-15	0.00	29.82
20	2053	7	CLR:00	10.00		59	15.0	48	8.9	36	2.2	42	10	280		29.40			29.88	FM-15	0.00	29.88
20	2153	7	CLR:00	10.00		60	15.6	48	9.0	35	1.7	39	7	260	20	29.45	3	-0.12	29.93	FM-15	0.00	29.93
20	2232	7	CLR:00	10.00		59	15.0	44	6.7	24	-4.4	26	22	270	39	29.47				FM-16		29.95
20	2253	7	CLR:00	10.00		58	14.4	41	5.1	14	-10.0	18	22	270	39	29.49			29.97	FM-15	0.00	29.97
20	2353	7	CLR:00	10.00		56	13.3	40	4.5	14	-10.0	19	21	320	30	29.51			29.99	FM-15	0.00	29.99

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
21	0053	7	CLR:00	10.00		56	13.3	40	4.7	15	-9.4	20	5	290		29.54	1	-0.09	30.02	FM-15	0.00	30.02
21	0153	7	CLR:00	10.00		52	11.1	38	3.6	16	-8.9	24	3	250		29.57			30.05	FM-15	0.00	30.05
21	0253	7	CLR:00	10.00		51	10.6	36	2.4	8	-13.3	17	5	100		29.59			30.07	FM-15	0.00	30.07
21	0353	7	CLR:00	10.00		53	11.7	37	2.8	5	-15.0	14	9	360		29.60	1	-0.06	30.09	FM-15	0.00	30.09
21	0453	7	CLR:00	10.00		53	11.7	37	2.9	6	-14.4	15	5	VRB		29.63			30.12	FM-15	0.00	30.12
21	0553	7	CLR:00	10.00		52	11.1	37	2.6	7	-13.9	16	3	VRB		29.65			30.14	FM-15	0.00	30.14
21	0653	7	CLR:00	10.00		51	10.6	36	2.3	7	-13.9	17	3	240		29.66	1	-0.06	30.16	FM-15	0.00	30.15
21	0753	7	CLR:00	10.00		53	11.7	37	3.0	8	-13.3	16	6	VRB		29.69			30.18	FM-15	0.00	30.18
21	0853	7	CLR:00	10.00		56	13.3	39	3.9	8	-13.3	14	3	VRB		29.70			30.19	FM-15	0.00	30.19
21	0953	7	CLR:00	10.00		59	15.0	41	4.7	7	-13.9	12	16	030	29	29.71	1	-0.05	30.20	FM-15	0.00	30.20
21	1053	7	CLR:00	10.00		60	15.6	41	4.9	5	-15.0	11	25	030	38	29.69			30.18	FM-15	0.00	30.18
21	1153	7	CLR:00	10.00		62	16.7	42	5.3	3	-16.1	9	23	030	32	29.65			30.14	FM-15	0.00	30.14
21	1253	7	CLR:00	10.00		63	17.2	42	5.5	1	-17.2	8	24	030	38	29.63	6	+0.08	30.12	FM-15	0.00	30.12
21	1353	7	CLR:00	10.00		63	17.2	42	5.5	2	-16.7	8	25	020	36	29.62			30.11	FM-15	0.00	30.11
21	1453	7	CLR:00	10.00		63	17.2	42	5.5	2	-16.7	8	20	020	30	29.65			30.13	FM-15	0.00	30.13
21	1553	7	CLR:00	10.00		61	16.1	41	5.0	2	-16.7	9	20	050	28	29.65	3	-0.01	30.13	FM-15	0.00	30.13
21	1653	7	CLR:00	10.00		61	16.1	41	4.8	0	-17.8	8	13	290	29	29.65			30.14	FM-15	0.00	30.14
21	1753	7	CLR:00	10.00		59	15.0	40	4.3	1	-17.2	9	11	360	22	29.67			30.16	FM-15	0.00	30.16
21	1853	7	CLR:00	10.00		58	14.4	39	4.1	2	-16.7	10	6	VRB		29.70	3	-0.06	30.19	FM-15	0.00	30.19
21	1953	7	CLR:00	10.00		58	14.4	39	4.1	2	-16.7	10	7	070	21	29.72			30.21	FM-15	0.00	30.21
21	2053	7	CLR:00	10.00		54	12.2	38	3.1	5	-15.0	14	3	170		29.72			30.21	FM-15	0.00	30.21
21	2153	7	CLR:00	10.00		53	11.7	37	3.0	8	-13.3	16	3	VRB		29.74	3	-0.04	30.23	FM-15	0.00	30.23
21	2253	7	CLR:00	10.00		54	12.2	38	3.2	6	-14.4	14	7	180		29.75			30.24	FM-15	0.00	30.24
21	2353	7	CLR:00	10.00		56	13.3	39	3.7	5	-15.0	13	8	230		29.75			30.24	FM-15	0.00	30.24

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
19	0057	7	CLR:00	10.00		48	8.9	38	3.1	21	-6.1	34	0	000	29.92			30.15	FM-15	0.00	30.15	
19	0157	7	CLR:00	10.00		48	8.9	38	3.3	22	-5.6	36	0	000	29.93	8	+0.00	30.15	FM-15	0.00	30.16	
19	0257	7	CLR:00	10.00		47	8.3	38	3.1	23	-5.0	39	3	030	29.93			30.16	FM-15	0.00	30.16	
19	0357	7	CLR:00	10.00		44	6.7	37	2.5	25	-3.9	47	0	000	29.93			30.15	FM-15	0.00	30.16	
19	0457	7	CLR:00	10.00		46	7.8	37	3.0	24	-4.4	42	5	060	29.91	8	+0.01	30.14	FM-15	0.00	30.14	
19	0557	7	CLR:00	10.00		45	7.2	37	2.9	25	-3.9	46	6	030	29.93			30.15	FM-15	0.00	30.16	
19	0657	7	CLR:00	7.00		44	6.7	36	2.2	23	-5.0	43	6	030	29.95			30.17	FM-15	0.00	30.18	
19	0757	7	CLR:00	7.00		45	7.2	36	2.2	21	-6.1	39	6	030	29.96	1	-0.04	30.19	FM-15	0.00	30.19	
19	0857	7	CLR:00	7.00		50	10.0	39	3.9	22	-5.6	33	6	040	29.97			30.20	FM-15	0.00	30.20	
19	0957	7	CLR:00	7.00		55	12.8	42	5.4	22	-5.6	28	7	040	30.00			30.22	FM-15	0.00	30.23	
19	1057	7	CLR:00	7.00		61	16.1	44	6.8	20	-6.7	20	9	010	30.00	1	-0.04	30.23	FM-15	0.00	30.23	
19	1157	7	CLR:00	7.00		64	17.8	46	7.6	20	-6.7	18	7	030	29.98			30.20	FM-15	0.00	30.21	
19	1257	7	CLR:00	7.00		67	19.4	47	8.5	21	-6.1	17	3	360	29.95			30.17	FM-15	0.00	30.18	
19	1357	7	CLR:00	7.00		69	20.6	48	9.0	21	-6.1	16	0	000	29.93	6	+0.07	30.16	FM-15	0.00	30.16	
19	1457	7	CLR:00	7.00		70	21.1	48	8.9	18	-7.8	14	5	050	29.92			30.14	FM-15	0.00	30.15	
19	1557	7	CLR:00	7.00		70	21.1	48	8.9	18	-7.8	14	0	000	29.91			30.14	FM-15	0.00	30.14	
19	1657	7	CLR:00	10.00		69	20.6	48	8.7	18	-7.8	14	3	170	29.90	6	+0.03	30.13	FM-15	0.00	30.13	
19	1757	7	CLR:00	10.00		65	18.3	46	8.0	21	-6.1	19	0	000	29.90			30.13	FM-15	0.00	30.13	
19	1857	7	CLR:00	10.00		59	15.0	44	6.8	24	-4.4	26	3	160	29.91			30.13	FM-15	0.00	30.14	
19	1957	7	CLR:00	10.00		57	13.9	43	6.1	23	-5.0	27	3	180	29.91			30.14	FM-15	0.00	30.14	
19	2057	7	CLR:00	10.00		55	12.8	42	5.7	24	-4.4	30	0	000	29.92			30.14	FM-15	0.00	30.15	
19	2157	7	CLR:00	10.00		55	12.8	40	4.5	16	-8.9	21	3	120	29.92			30.15	FM-15	0.00	30.15	
19	2257	7	CLR:00	10.00		50	10.0	38	3.6	20	-6.7	30	3	160	29.92	0	-0.01	30.14	FM-15	0.00	30.15	
19	2357	7	CLR:00	10.00		50	10.0	38	3.6	20	-6.7	30	0	000	29.91			30.14	FM-15	0.00	30.14	

December 20, 2017 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 December 2017

Generated on 07/05/2018

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
20	0057	7	CLR:00	10.00		50	10.0	39	3.9	22	-5.6	33	0	000		29.90			30.12	FM-15	0.00	30.13
20	0157	7	CLR:00	10.00		49	9.4	39	3.7	23	-5.0	36	5	060		29.90	6	+0.02	30.12	FM-15	0.00	30.13
20	0257	7	CLR:00	10.00		49	9.4	39	3.7	23	-5.0	36	5	040		29.89			30.11	FM-15	0.00	30.12
20	0357	7	CLR:00	10.00		48	8.9	38	3.6	24	-4.4	39	6	040		29.88			30.11	FM-15	0.00	30.11
20	0457	7	CLR:00	10.00		46	7.8	37	3.0	24	-4.4	42	3	010		29.87	8	+0.03	30.09	FM-15	0.00	30.10
20	0557	7	CLR:00	10.00		45	7.2	37	2.8	25	-3.9	46	3	020		29.87			30.09	FM-15	0.00	30.10
20	0657	7	CLR:00	7.00		44	6.7	37	2.5	25	-3.9	47	0	000		29.87			30.10	FM-15	0.00	30.10
20	0757	7	FEW:02 200	7.00		45	7.2	37	2.8	25	-3.9	46	0	000		29.88	3	-0.01	30.11	FM-15	0.00	30.11
20	0857	7	FEW:02 200	7.00		50	10.0	40	4.7	27	-2.8	41	5	080		29.89			30.12	FM-15	0.00	30.12
20	0957	7	FEW:02 200	7.00		59	15.0	46	7.6	29	-1.7	32	5	070		29.90			30.12	FM-15	0.00	30.13
20	1057	7	FEW:02 200	7.00		63	17.2	47	8.5	28	-2.2	27	8	140		29.87	8	+0.01	30.10	FM-15	0.00	30.10
20	1157	7	FEW:02 200	7.00		67	19.4	49	9.2	26	-3.3	21	7	160		29.83			30.06	FM-15	0.00	30.06
20	1257	7	FEW:02 200	7.00		70	21.1	50	9.8	25	-3.9	18	10	160		29.79			30.02	FM-15	0.00	30.02
20	1357	7	FEW:02 200	7.00		70	21.1	49	9.5	23	-5.0	17	11	170		29.76	6	+0.12	29.98	FM-15	0.00	29.99
20	1457	7	FEW:02 200	7.00		72	22.2	51	10.5	26	-3.3	18	13	190		29.73			29.96	FM-15	0.00	29.96
20	1557	7	CLR:00	10.00		71	21.7	55	13.0	41	5.0	34	9	180		29.71			29.93	FM-15	0.00	29.94
20	1657	7	CLR:00	10.00		70	21.1	55	12.7	41	5.0	35	8	180		29.68	8	+0.08	29.91	FM-15	0.00	29.91
20	1757	7	CLR:00	10.00		64	17.8	51	10.6	38	3.3	38	8	170		29.65			29.88	FM-15	0.00	29.88
20	1857	7	CLR:00	10.00		61	16.1	51	10.8	42	5.6	50	9	190		29.65			29.87	FM-15	0.00	29.88
20	1957	7	CLR:00	10.00		57	13.9	50	10.0	43	6.1	60	8	180		29.62	6	+0.05	29.85	FM-15	0.00	29.85
20	2057	7	CLR:00	10.00		59	15.0	49	9.6	39	3.9	48	0	000		29.65			29.87	FM-15	0.00	29.88
20	2157	7	CLR:00	10.00		56	13.3	47	8.6	38	3.3	51	5	010		29.67			29.90	FM-15	0.00	29.90
20	2257	7	CLR:00	10.00		55	12.8	47	8.5	39	3.9	55	0	000		29.67	1	-0.05	29.90	FM-15	0.00	29.90
20	2357	7	CLR:00	10.00		53	11.7	47	8.2	40	4.4	61	5	310		29.71			29.94	FM-15	0.00	29.94

December 20, 2017 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 December 2017

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

Generated on 07/05/2018

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
21	0057	7	BKN:07 36	10.00		57	13.9	48	8.6	37	2.8	47	15	340		29.72			29.95	FM-15	0.00	29.95
21	0130	7	OVC:08 28	10.00		57	13.9	41	4.7	13	-10.6	17	14	350	28	29.74				FM-16		29.97
21	0137	7	OVC:08 34	10.00		56	13.3	40	4.5	13	-10.6	18	13	360		29.74				FM-16		29.97
21	0157	7	OVC:08 33	10.00		56	13.3	40	4.5	13	-10.6	18	13	350		29.75	1	-0.08	29.98	FM-15	0.00	29.98
21	0214	7	OVC:08 29	10.00		55	12.8	39	4.2	13	-10.6	19	13	350		29.76				FM-16		29.99
21	0224	7	OVC:08 33	10.00		55	12.8	40	4.3	14	-10.0	20	11	360		29.76				FM-16		29.99
21	0257	7	CLR:00	10.00		55	12.8	40	4.4	15	-9.4	20	13	360		29.76		29.98		FM-15	0.00	29.99
21	0357	7	CLR:00	10.00		54	12.2	39	4.1	15	-9.4	21	13	360		29.77		29.99		FM-15	0.00	30.00
21	0457	7	CLR:00	10.00		53	11.7	38	3.6	13	-10.6	20	14	360		29.77	1	-0.02	29.99	FM-15	0.00	30.00
21	0557	7	CLR:00	10.00		52	11.1	37	3.0	11	-11.7	19	15	350	22	29.78			30.01	FM-15	0.00	30.01
21	0657	7	CLR:00	7.00		50	10.0	37	2.5	12	-11.1	22	8	340		29.82			30.05	FM-15	0.00	30.05
21	0757	7	FEW:02 80	7.00		49	9.4	36	2.2	12	-11.1	22	7	340		29.85	3	-0.08	30.07	FM-15	0.00	30.08
21	0857	7	FEW:02 80	7.00		52	11.1	38	3.3	13	-10.6	21	5	340		29.87			30.10	FM-15	0.00	30.10
21	0957	7	FEW:02 80	7.00		55	12.8	39	4.0	11	-11.7	17	13	360		29.90			30.13	FM-15	0.00	30.13
21	1057	7	CLR:00	7.00		57	13.9	40	4.4	9	-12.8	15	16	330		29.91	1	-0.07	30.14	FM-15	0.00	30.14
21	1157	7	CLR:00	7.00		58	14.4	40	4.6	8	-13.3	13	16	350	24	29.91			30.13	FM-15	0.00	30.14
21	1257	7	CLR:00	7.00		58	14.4	40	4.6	8	-13.3	13	18	340	28	29.90			30.12	FM-15	0.00	30.13
21	1357	7	CLR:00	7.00		60	15.6	41	5.1	7	-13.9	12	14	340	24	29.88	8	+0.04	30.10	FM-15	0.00	30.11
21	1457	7	CLR:00	7.00		60	15.6	41	5.0	6	-14.4	11	15	350		29.88			30.11	FM-15	0.00	30.11
21	1557	7	CLR:00	7.00		59	15.0	40	4.7	6	-14.4	12	16	350	22	29.87			30.09	FM-15	0.00	30.10
21	1657	7	CLR:00	10.00		58	14.4	40	4.5	7	-13.9	13	9	360		29.88	5	+0.00	30.10	FM-15	0.00	30.11
21	1757	7	CLR:00	10.00		55	12.8	38	3.6	7	-13.9	14	9	350		29.89			30.12	FM-15	0.00	30.12
21	1857	7	CLR:00	10.00		53	11.7	38	3.2	9	-12.8	17	6	320		29.92			30.14	FM-15	0.00	30.15
21	1957	7	CLR:00	10.00		52	11.1	37	2.9	9	-12.8	17	7	320		29.93	1	-0.06	30.16	FM-15	0.00	30.16
21	2057	7	CLR:00	10.00		49	9.4	36	2.3	12	-11.1	22	5	280		29.95			30.18	FM-15	0.00	30.18
21	2157	7	CLR:00	10.00		45	7.2	34	1.4	15	-9.4	30	7	280		29.96			30.19	FM-15	0.00	30.19
21	2257	7	CLR:00	10.00		45	7.2	34	1.0	12	-11.1	26	7	310		29.97	1	-0.04	30.20	FM-15	0.00	30.20
21	2357	7	CLR:00	10.00		45	7.2	34	1.0	12	-11.1	26	6	330		29.98			30.20	FM-15	0.00	30.21

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 2017

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

Generated on 09/19/2018

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
22	0057	7	CLR:00	10.00		46	7.8	34	1.2	11	-11.7	24	3	320		29.98		30.21	FM-15	0.00	30.21	
22	0157	7	CLR:00	10.00		40	4.4	32	-0.3	15	-9.4	36	0	000		29.99	1	-0.01	30.22	FM-15	0.00	30.22
22	0257	7	CLR:00	10.00		38	3.3	31	-0.8	16	-8.9	41	5	320		29.99		30.22	FM-15	0.00	30.22	
22	0357	7	CLR:00	10.00		39	3.9	31	-0.7	14	-10.0	36	0	000		30.00		30.23	FM-15	0.00	30.23	
22	0457	7	CLR:00	10.00		36	2.2	30	-1.3	17	-8.3	46	8	160		30.01	3	-0.02	30.24	FM-15	0.00	30.24
22	0557	7	CLR:00	10.00		37	2.8	30	-1.1	16	-8.9	42	3	VRB		30.01		30.24	FM-15	0.00	30.24	
22	0657	7	FEW:02 250	7.00		38	3.3	30	-0.9	15	-9.4	39	6	300		30.03		30.26	FM-15	0.00	30.26	
22	0757	7	FEW:02 250	7.00		36	2.2	29	-1.5	16	-8.9	44	3	190		30.06	3	-0.05	30.29	FM-15	0.00	30.29
22	0857	7	CLR:00	7.00		48	8.9	36	2.1	13	-10.6	24	5	340		30.09		30.32	FM-15	0.00	30.32	
22	0957	7	CLR:00	7.00		53	11.7	38	3.5	12	-11.1	19	10	360		30.13		30.36	FM-15	0.00	30.36	
22	1057	7	CLR:00	7.00		55	12.8	40	4.7	17	-8.3	22	10	040		30.12	0	-0.06	30.35	FM-15	0.00	30.35
22	1157	7	FEW:02 300	7.00		59	15.0	42	5.5	14	-10.0	17	10	010		30.11		30.34	FM-15	0.00	30.34	
22	1257	7	FEW:02 300	7.00		60	15.6	42	5.8	14	-10.0	16	5	040		30.09		30.32	FM-15	0.00	30.32	
22	1357	7	SCT:04 300	7.00		62	16.7	43	6.3	14	-10.0	15	0	000		30.06	8	+0.05	30.29	FM-15	0.00	30.29
22	1457	7	BKN:07 300	7.00		61	16.1	43	6.1	14	-10.0	16	3	VRB		30.04		30.27	FM-15	0.00	30.27	
22	1557	7	BKN:07 300	7.00		63	17.2	44	6.6	14	-10.0	15	3	VRB		30.05		30.27	FM-15	0.00	30.28	
22	1657	7	CLR:00	10.00		60	15.6	42	5.7	13	-10.6	16	0	000		30.03	8	+0.04	30.26	FM-15	0.00	30.26
22	1757	7	CLR:00	10.00		57	13.9	41	5.1	16	-8.9	20	6	330		30.02		30.25	FM-15	0.00	30.25	
22	1857	7	CLR:00	10.00		56	13.3	41	4.7	15	-9.4	20	8	350		30.05		30.27	FM-15	0.00	30.28	
22	1957	7	CLR:00	10.00		52	11.1	39	3.8	17	-8.3	25	6	320		30.06	3	-0.03	30.29	FM-15	0.00	30.29
22	2057	7	CLR:00	10.00		51	10.6	38	3.2	15	-9.4	24	3	330		30.06		30.29	FM-15	0.00	30.29	
22	2157	7	CLR:00	10.00		47	8.3	36	2.3	17	-8.3	30	0	000		30.07		30.30	FM-15	0.00	30.30	
22	2257	7	CLR:00	10.00		43	6.1	34	1.0	17	-8.3	35	0	000		30.07	0	-0.01	30.29	FM-15	0.00	30.30
22	2357	7	CLR:00	10.00		43	6.1	35	1.7	22	-5.6	43	0	000		30.06		30.29	FM-15	0.00	30.29	