

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
July 2018

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

Generated on 08/08/2018

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
08	0052	7	CLR:00	10.00		98	36.7	73	22.7	60	15.6	28	11	180		29.34	8	+0.01	29.74	FM-15	0.00	29.76
08	0152	7	CLR:00	10.00		95	35.0	72	22.5	61	16.1	32	10	180		29.35			29.75	FM-15	0.00	29.77
08	0252	7	CLR:00	10.00		96	35.6	72	22.4	60	15.6	30	10	180		29.36			29.75	FM-15	0.00	29.78
08	0352	7	CLR:00	10.00		95	35.0	72	22.2	60	15.6	31	8	200		29.37	3	-0.02	29.76	FM-15	0.00	29.79
08	0452	7	CLR:00	10.00		92	33.3	72	22.0	61	16.1	36	7	180		29.38			29.78	FM-15	0.00	29.80
08	0552	7	CLR:00	10.00		92	33.3	72	22.3	62	16.7	37	6	150		29.40			29.80	FM-15	0.00	29.82
08	0652	6	CLR:00	10.00		96	35.6	73	22.6	61	16.1	31	7	200		29.42	3	-0.06	29.82	FM-15	0.00	29.84
08	0752	6	CLR:00	10.00		99	37.2	74	23.1	61	16.1	29	11	160		29.44			29.83	FM-15	0.00	29.86
08	0852	6	CLR:00	10.00		101	38.3	75	23.7	62	16.7	28	14	160		29.44			29.83	FM-15	0.00	29.86
08	0952	6	CLR:00	10.00		104	40.0	75	24.1	62	16.7	25	17	150	22	29.43	0	-0.01	29.83	FM-15	0.00	29.85
08	1052	7	CLR:00	10.00		105	40.6	76	24.2	62	16.7	25	15	170		29.42			29.82	FM-15	0.00	29.84
08	1152	7	CLR:00	10.00		108	42.2	76	24.6	62	16.7	23	17	150	24	29.40			29.79	FM-15	0.00	29.82
08	1252	7	CLR:00	10.00		103	39.4	76	24.2	63	17.2	27	20	170		29.39	6	+0.04	29.78	FM-15	0.00	29.81
08	1352	7	CLR:00	10.00		107	41.7	77	25.0	64	17.8	25	20	180		29.36			29.75	FM-15	0.00	29.78
08	1452	7	CLR:00	10.00		110	43.3	77	24.9	62	16.7	21	17	170		29.31			29.71	FM-15	0.00	29.73
08	1552	7	FEW:02 110	10.00		111	43.9	76	24.3	59	15.0	18	9	210		29.30	6	+0.09	29.69	FM-15	0.00	29.72
08	1652	7	BKN:07 110	10.00		111	43.9	75	24.0	58	14.4	18	7	210		29.29			29.69	FM-15	0.00	29.71
08	1752	7	SCT:04 110	10.00		110	43.3	75	23.6	57	13.9	18	9	230		29.30			29.69	FM-15	0.00	29.72
08	1852	7	FEW:02 120	10.00		108	42.2	74	23.4	57	13.9	19	11	230		29.30	6	+0.00	29.69	FM-15	0.00	29.72
08	1952	7	CLR:00	10.00		106	41.1	74	23.1	57	13.9	20	8	220		29.32			29.71	FM-15	0.00	29.74
08	2052	7	CLR:00	10.00		105	40.6	74	23.4	59	15.0	22	8	220		29.33			29.72	FM-15	0.00	29.75
08	2152	7	CLR:00	10.00		102	38.9	75	23.8	62	16.7	27	8	190		29.34	1	-0.04	29.73	FM-15	0.00	29.76
08	2252	7	CLR:00	10.00		97	36.1	74	23.1	62	16.7	32	15	170		29.36			29.75	FM-15	0.00	29.78
08	2352	7	CLR:00	10.00		96	35.6	73	22.6	61	16.1	31	13	160		29.39			29.78	FM-15	0.00	29.81

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
July 2018

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

Generated on 08/08/2018

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
09	0038	7	SCT:04 16	1.75	HZ:7 FU HZ	91	32.8	76	24.3	69	20.6	49	31	140	40	29.43				FM-16		29.85
09	0043	7	BKN:07 16	1.25	HZ:7 FU HZ	92	33.3	75	23.8	67	19.4	44	33	150	41	29.44				FM-16		29.86
09	0050	6	VV:09 16	1.00	VCTS:7 HZ:7 HZ	90	32.0	74	23.2	66	19.0	46	34	150	44	29.44				FM-16		29.86
09	0052	7	BKN:07 16 BKN:07 120	1.25	VCTS:7 HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	31	160	44	29.44	0	-0.08	29.83	FM-15	0.00	29.86
09	0059	7	BKN:07 16 BKN:07 100 BKN:07 120	2.00	VCTS:7 HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	25	170	40	29.44				FM-16		29.86
09	0105	7	BKN:07 18 BKN:07 95	3.00	HZ:7 FU HZ	88	31.1	74	23.5	68	20.0	52	26	170	34	29.45				FM-16		29.87
09	0112	7	SCT:04 18	3.00	VCTS:7 HZ:7 FU HZ	87	30.6	74	23.4	68	20.0	53	25	190	33	29.45				FM-16		29.87
09	0131	7	CLR:00	6.00	TS:7 -RA:02 RA TS TS RA	84	28.9	75	23.9	71	21.7	65	16	170	28	29.47				FM-16	T	29.89
09	0152	7	FEW:02 100 SCT:04 120	5.00	TS:7 -RA:02 RA TS TS RA	81	27.2	75	24.1	73	22.8	77	11	150		29.50			29.89	FM-15	0.02	29.92
09	0218	7	FEW:02 47 FEW:02 90 SCT:04 110	9.00	VCTS:7 -RA:02 RA RA	81	27.2	75	23.8	72	22.2	74	13	210		29.48				FM-16	0.01	29.90
09	0250	7	CLR:00	10.00		82	28.0	75	23.9	72	22.0	70	10	230		29.51				FM-16	0.01	29.93
09	0252	7	CLR:00	10.00		82	27.8	75	23.9	72	22.2	72	10	220		29.51			29.91	FM-15	0.01	29.93
09	0352	7	CLR:00	10.00		83	28.3	74	23.4	70	21.1	65	11	180		29.51	1	-0.02	29.91	FM-15	0.00	29.93
09	0452	7	CLR:00	10.00		83	28.3	74	23.4	70	21.1	65	7	220		29.52			29.91	FM-15	0.00	29.94
09	0552	7	CLR:00	10.00		83	28.3	75	24.1	72	22.2	70	0	000		29.49			29.89	FM-15	0.00	29.91
09	0652	7		10.00		87	30.6	76	24.4	71	21.7	59	6	060		29.50			29.89	FM-15	0.00	29.92
09	0752	7	CLR:00	10.00		87	30.6	75	23.7	69	20.6	55	8	110		29.51			29.91	FM-15	0.00	29.93
09	0852	7	CLR:00	10.00		94	34.4	76	24.4	68	20.0	43	9	100		29.52			29.92	FM-15	0.00	29.94
09	0952	7	CLR:00	10.00		93	33.9	75	23.7	66	18.9	41	10	120		29.53	1	-0.02	29.92	FM-15	0.00	29.95
09	1052	7	CLR:00	10.00		95	35.0	75	23.7	65	18.3	37	8	170		29.51			29.91	FM-15	0.00	29.93
09	1152	7	CLR:00	10.00		98	36.7	74	23.5	63	17.2	32	11	170		29.50			29.89	FM-15	0.00	29.92
09	1252	7	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	16	170		29.48	8	+0.05	29.88	FM-15	0.00	29.90
09	1352	7	CLR:00	10.00		101	38.3	76	24.2	64	17.8	30	13	170		29.45			29.84	FM-15	0.00	29.87
09	1452	7	CLR:00	10.00		103	39.4	75	23.7	61	16.1	25	11	190	21	29.41			29.81	FM-15	0.00	29.83
09	1552	7	CLR:00	10.00		103	39.4	74	23.4	60	15.6	24	13	230		29.40	6	+0.08	29.79	FM-15	0.00	29.82
09	1652	7	CLR:00	10.00		104	40.0	74	23.6	60	15.6	24	8	VRB		29.39			29.78	FM-15	0.00	29.81
09	1715	7	CLR:00	10.00		103s	39.4s	75	23.9	62	16.7	26	13	170		29.38				FM-16		29.80
09	1752	7	CLR:00	10.00		102	38.9	75	23.8	62	16.7	27	15	160		29.39			29.78	FM-15	0.00	29.81
09	1852	7	CLR:00	10.00		100	37.8	75	24.1	64	17.8	31	10	170		29.40	5	+0.00	29.79	FM-15	0.00	29.82
09	1952	7	CLR:00	10.00		98	36.7	75	24.1	65	18.3	34	11	150		29.42			29.82	FM-15	0.00	29.84
09	2052	7	CLR:00	10.00		86	30.0	73	22.6	66	18.9	51	13	140		29.50			29.90	FM-15	0.00	29.92
09	2152	7	CLR:00	10.00		86	30.0	73	22.6	66	18.9	51	15	170	24	29.51	1	-0.11	29.91	FM-15	0.00	29.93
09	2252	7	CLR:00	10.00		88	31.1	73	22.6	65	18.3	46	11	210		29.49			29.89	FM-15	0.00	29.91
09	2352	7	CLR:00	10.00		86	30.0	72	22.3	65	18.3	49	9	170		29.51			29.91	FM-15	0.00	29.93

July 9, 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 July 2018

Generated on 08/08/2018

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)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
10	0052	7	FEW:02 90 FEW:02 110	10.00		85	29.4	72	22.4	66	18.9	53	6	240		29.52	3	-0.01	29.91	FM-15	0.00	29.94
10	0152	7	FEW:02 100	10.00		85	29.4	73	22.7	67	19.4	55	0	000		29.51			29.91	FM-15	0.00	29.93
10	0252	7	BKN:07 90 OVC:08 110	10.00		86	30.0	72	22.3	65	18.3	49	3	230		29.53			29.93	FM-15	T	29.95
10	0352	7	FEW:02 90 OVC:08 110	10.00		83	28.3	74	23.1	69	20.6	63	8	220		29.53	0	-0.01	29.93	FM-15	T	29.95
10	0452	7	CLR:00	10.00		82	27.8	74	23.2	70	21.1	67	5	180		29.52			29.92	FM-15	0.00	29.94
10	0552	7	CLR:00	10.00		82	27.8	73	22.9	69	20.6	65	3	200		29.53			29.92	FM-15	0.00	29.95
10	0652	7	CLR:00	10.00		85	29.4	73	22.7	67	19.4	55	5	200		29.55	3	-0.02	29.95	FM-15	0.00	29.97
10	0752	7	CLR:00	10.00		86	30.0	74	23.6	69	20.6	57	5	150		29.56			29.95	FM-15	0.00	29.98
10	0852	7	CLR:00	10.00		87	30.6	75	23.7	69	20.6	55	3	090		29.56			29.96	FM-15	0.00	29.98
10	0952	7	CLR:00	10.00		91	32.8	76	24.3	69	20.6	49	3	VRB		29.55	0	-0.00	29.95	FM-15	0.00	29.97
10	1052	7	CLR:00	10.00		95	35.0	75	23.7	65	18.3	37	3	050		29.54			29.93	FM-15	0.00	29.96
10	1152	7	CLR:00	10.00		95	35.0	75	23.7	65	18.3	37				29.51			29.91	FM-15	0.00	29.93
10	1252	7	CLR:00	10.00		95	35.0	74	23.4	64	17.8	36	6	VRB		29.48	8	+0.07	29.88	FM-15	0.00	29.90
10	1352	7	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	7	260		29.45			29.85	FM-15	0.00	29.87
10	1452	7	CLR:00	10.00		100	37.8	76	24.4	65	18.3	32	9	160		29.42			29.81	FM-15	0.00	29.84
10	1552	7	CLR:00	10.00		101	38.3	75	23.9	63	17.2	29	8	150		29.39	6	+0.10	29.78	FM-15	0.00	29.81
10	1652	7	CLR:00	10.00		100	37.8	75	23.8	63	17.2	30	8	150		29.37			29.77	FM-15	0.00	29.79
10	1752	7	CLR:00	10.00		99	37.2	75	23.6	63	17.2	31	9	180		29.37			29.77	FM-15	0.00	29.79
10	1852	7	CLR:00	10.00		98	36.7	76	24.4	66	18.9	35	10	250		29.39	5	+0.00	29.78	FM-15	0.00	29.81
10	1952	7	SCT:04 75 BKN:07 90 OVC:08 110	10.00		90	32.2	75	24.2	69	20.6	50	18	140	25	29.42			29.82	FM-15	0.00	29.84
10	2015	7	SCT:04 100	10.00	TS:7 TS TS	90	32.2	76	24.5	70	21.1	52	9	170		29.42				FM-16		29.84
10	2030	7	CLR:00	10.00		91	32.8	76	24.3	69	20.6	49	7	220		29.43				FM-16		29.85
10	2052	7	CLR:00	10.00		90	32.2	74	23.5	67	19.4	47	7	200		29.43			29.83	FM-15	0.00	29.85
10	2152	7	FEW:02 90	10.00		89	31.7	75	24.0	69	20.6	52	8	130		29.43	1	-0.05	29.83	FM-15	0.00	29.85
10	2252	7	CLR:00	10.00		88	31.1	75	23.9	69	20.6	54	6	090		29.43			29.83	FM-15	0.00	29.85
10	2352	7	BKN:07 90	10.00		88	31.1	76	24.2	70	21.1	55	0	000		29.43			29.82	FM-15	0.00	29.85

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
July 2018

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

Generated on 08/08/2018

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
08	0052	7				71	21.7	59	14.9	50	10.0	47	5	060		27.24	8	+0.01	29.83	FM-15	0.00	29.96
08	0152	7				71	21.7	59	14.9	50	10.0	47	3	040		27.22			29.83	FM-15	0.00	29.95
08	0252	7				69	20.6	58	14.2	49	9.4	49	6	060		27.22			29.83	FM-15	0.00	29.95
08	0352	7				68	20.0	57	14.0	49	9.4	51	6	050		27.24	5	+0.00	29.84	FM-15	0.00	29.96
08	0452	7				68	20.0	57	14.0	49	9.4	51	7	060		27.24			29.85	FM-15	0.00	29.97
08	0552	7				72	22.2	59	15.1	50	10.0	46	5	040		27.25			29.86	FM-15	0.00	29.98
08	0652	6				79	26.1	62	16.8	51	10.6	38	0	000		27.25	1	-0.02	29.85	FM-15	0.00	29.98
08	0752	6				90	32.2	65	18.1	48	8.9	24	5	210		27.25			29.85	FM-15	0.00	29.98
08	0852	6				94	34.4	66	19.0	49	9.4	21	5	250		27.25			29.84	FM-15	0.00	29.98
08	0952	6				97	36.1	67	19.5	49	9.4	20	11	220		27.24	7	+0.01	29.84	FM-15	0.00	29.97
08	1052	6				93	33.9	66	19.0	50	10.0	23	20	210		27.25			29.85	FM-15	0.00	29.98
08	1152	7				89	31.7	66	18.9	52	11.1	28	11	210		27.27			29.89	FM-15	0.00	30.00
08	1252	7				87	30.6	65	18.5	52	11.1	30	13	230		27.28	3	-0.04	29.90	FM-15	0.00	30.01
08	1352	7				91	32.8	67	19.2	52	11.1	26	7	220		27.25			29.86	FM-15	0.00	29.98
08	1452	7				93	33.9	67	19.5	52	11.1	25	8	230		27.22			29.83	FM-15	0.00	29.95
08	1552	7				90	32.2	66	18.8	51	10.6	26	17	220		27.22	6	+0.06	29.83	FM-15	0.00	29.95
08	1652	7				89	31.7	65	18.4	50	10.0	26	15	220		27.22			29.83	FM-15	0.00	29.95
08	1752	7				86	30.0	65	18.3	52	11.1	31	13	220		27.24			29.85	FM-15	0.00	29.96
08	1852	7				83	28.3	64	17.8	52	11.1	34	6	240		27.24	3	-0.02	29.85	FM-15	0.00	29.97
08	1952	7				79	26.1	63	17.0	52	11.1	39	7	200		27.25			29.85	FM-15	0.00	29.98
08	2052	7				77	25.0	61	16.1	50	10.0	39	5	190		27.27			29.87	FM-15	0.00	30.00
08	2152	7				71	21.7	59	14.9	50	10.0	47	5	080		27.27	1	-0.03	29.88	FM-15	0.00	30.00
08	2252	7				69	20.6	58	14.5	50	10.0	51	3	050		27.28			29.89	FM-15	0.00	30.01
08	2352	7				69	20.6	58	14.5	50	10.0	51	5	050		27.27			29.89	FM-15	0.00	30.00

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
July 2018

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

Generated on 08/08/2018

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
09	0052	7				67	19.4	57	14.1	50	10.0	55	5	050		27.27	1	-0.00	29.89	FM-15	0.00	30.00
09	0152	7				66	18.9	57	13.8	50	10.0	56	7	050		27.26			29.88	FM-15	0.00	29.99
09	0252	7				70	21.1	59	15.0	51	10.6	51	0	000		27.28			29.89	FM-15	0.00	30.01
09	0352	7				70	21.1	59	15.2	52	11.1	53	6	080		27.28	3	-0.01	29.90	FM-15	0.00	30.01
09	0452	7				77	25.0	65	18.1	57	13.9	50	5	070		27.30			29.91	FM-15	0.00	30.03
09	0552	7				79	26.1	68	20.0	62	16.7	56	11	080		27.30			29.91	FM-15	0.00	30.03
09	0652	7				80	26.7	69	20.8	64	17.8	58	6	080		27.30	0	-0.01	29.91	FM-15	0.00	30.03
09	0752	7				82	27.8	70	21.1	64	17.8	55	6	020		27.31			29.92	FM-15	0.00	30.04
09	0852	7				86	30.0	70	20.8	61	16.1	43	5	120		27.30			29.91	FM-15	0.00	30.03
09	0952	7				91	32.8	69	20.8	58	14.4	33	3	210		27.29	8	+0.01	29.91	FM-15	0.00	30.02
09	1052	7				92	33.3	69	20.4	56	13.3	30	9	220		27.28			29.90	FM-15	0.00	30.01
09	1152	7				95	35.0	69	20.6	55	12.8	26	14	230	23	27.27			29.88	FM-15	0.00	30.00
09	1252	7				90	32.2	68	19.8	55	12.8	31	15	200		27.28	5	+0.01	29.90	FM-15	0.00	30.01
09	1352	7				90	32.2	68	20.1	56	13.3	32	15	240		27.28			29.90	FM-15	0.00	30.01
09	1452	7				91	32.8	66	18.9	51	10.6	26	14	280		27.26			29.88	FM-15	0.00	29.99
09	1552	7				90	32.2	65	18.5	50	10.0	25	13	250		27.25	8	+0.03	29.87	FM-15	0.00	29.98
09	1652	7				88	31.1	64	17.7	48	8.9	25	8	260		27.25			29.86	FM-15	0.00	29.98
09	1752	7				86	30.0	65	18.1	51	10.6	30	11	240		27.26			29.86	FM-15	0.00	29.99
09	1852	7				82	27.8	63	17.1	50	10.0	33	9	220		27.26	3	-0.01	29.87	FM-15	0.00	29.99
09	1952	7				79	26.1	61	16.0	48	8.9	34	7	190		27.28			29.89	FM-15	0.00	30.01
09	2052	7				79	26.1	60	15.5	46	7.8	31	5	190		27.30			29.90	FM-15	0.00	30.03
09	2152	7				76	24.4	61	15.9	50	10.0	40	0	000		27.30	1	-0.04	29.90	FM-15	0.00	30.03
09	2252	7				75	23.9	61	16.3	52	11.1	45	0	000		27.30			29.90	FM-15	0.00	30.03
09	2352	7				74	23.3	61	16.1	52	11.1	46	0	000		27.29			29.89	FM-15	0.00	30.02

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
July 2018

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

Generated on 08/08/2018

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
10	0052	7				72	22.2	60	15.4	51	10.6	48	0	000		27.28	8	+0.01	29.89	FM-15	0.00	30.01
10	0152	7				69	20.6	59	14.8	51	10.6	53	5	050		27.28			29.90	FM-15	0.00	30.01
10	0252	7				70	21.1	59	15.0	51	10.6	51	7	060		27.28			29.89	FM-15	0.00	30.01
10	0352	7				73	22.8	61	15.9	52	11.1	48	0	000		27.30	3	-0.01	29.91	FM-15	0.00	30.03
10	0452	7				72	22.2	60	15.7	52	11.1	50	0	000		27.30			29.91	FM-15	0.00	30.03
10	0552	7				75	23.9	63	17.4	56	13.3	52	5	VRB		27.29			29.90	FM-15	0.00	30.02
10	0652	7				78	25.6	68	20.1	63	17.2	60	0	000		27.30	3	-0.00	29.91	FM-15	0.00	30.03
10	0752	7				79	26.1	68	20.0	62	16.7	56	0	000		27.31			29.92	FM-15	0.00	30.04
10	0852	7				81	27.2	69	20.6	63	17.2	54	14	080		27.31			29.92	FM-15	0.00	30.04
10	0952	7				80	26.7	69	20.5	63	17.2	56	7	070		27.32	3	-0.02	29.94	FM-15	0.00	30.05
10	1052	7				78	25.6	71	21.8	68	20.0	71	0	000		27.32			29.94	FM-15	0.00	30.05
10	1152	7				83	28.3	71	21.6	65	18.3	55	7	080		27.30			29.92	FM-15	0.00	30.03
10	1252	7				83	28.3	70	21.0	63	17.2	51	9	060		27.29	8	+0.03	29.91	FM-15	0.00	30.02
10	1352	7				86	30.0	70	21.1	62	16.7	45	0	000		27.26			29.88	FM-15	0.00	29.99
10	1452	7				85	29.4	70	21.0	62	16.7	46	11	220		27.24			29.86	FM-15	0.00	29.97
10	1552	7				82	27.8	68	19.9	60	15.6	47	11	210		27.24	6	+0.05	29.85	FM-15	0.00	29.97
10	1652	7				83	28.3	68	20.0	60	15.6	46	10	210		27.22			29.84	FM-15	0.00	29.95
10	1752	7				80	26.7	67	19.5	60	15.6	51	8	210		27.24			29.85	FM-15	0.00	29.96
10	1852	7				76	24.4	65	18.5	59	15.0	56	9	220		27.24	3	-0.01	29.86	FM-15	0.00	29.97
10	1952	7				74	23.3	64	17.8	58	14.4	57	5	220		27.26			29.88	FM-15	0.00	29.99
10	2052	7				71	21.7	62	16.9	57	13.9	61	0	000		27.28			29.91	FM-15	0.00	30.01
10	2152	7				68	20.0	61	16.3	57	13.9	68	5	070		27.28	1	-0.04	29.91	FM-15	0.00	30.01
10	2252	7				65	18.3	60	15.4	56	13.3	73	3	050		27.28			29.91	FM-15	0.00	30.01
10	2352	7				66	18.9	60	15.6	56	13.3	70	5	060		27.26			29.88	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
July 2018

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

Generated on 08/08/2018

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
08	0056	7	CLR:00	10.00		93	33.9	71	21.4	58	14.4	31	0	000		29.78	8	+0.01	29.79	FM-15	0.00	29.74
08	0156	7	CLR:00	10.00		92	33.3	70	21.2	58	14.4	32	5	230		29.78			29.78	FM-15	0.00	29.74
08	0256	7	CLR:00	10.00		86	30.0	72	22.3	65	18.3	49	9	110		29.80			29.81	FM-15	0.00	29.76
08	0356	7	CLR:00	10.00		87	30.6	75	23.7	69	20.6	55	8	150		29.81	3	-0.03	29.81	FM-15	0.00	29.77
08	0456	7	CLR:00	10.00		86	30.0	76	24.2	71	21.7	61	8	140		29.83			29.83	FM-15	0.00	29.79
08	0556	7	CLR:00	10.00		89	31.7	76	24.7	71	21.7	55	10	170		29.84			29.85	FM-15	0.00	29.80
08	0656	7	CLR:00	10.00		92	33.3	77	25.1	71	21.7	51	8	150		29.86	1	-0.05	29.86	FM-15	0.00	29.82
08	0756	6	CLR:00	10.00		96	35.6	78	25.7	71	21.7	44	5	080		29.87			29.87	FM-15	0.00	29.83
08	0856	6	CLR:00	10.00		100	37.8	78	25.3	68	20.0	35	8	030		29.87			29.87	FM-15	0.00	29.83
08	0956	6	CLR:00	10.00		103	39.4	75	23.7	61	16.1	25	5	VRB		29.87	1	-0.01	29.87	FM-15	0.00	29.83
08	1056	7	CLR:00	10.00		105	40.6	77	25.1	65	18.3	27	8	130		29.85			29.86	FM-15	0.00	29.81
08	1156	7	CLR:00	10.00		106	41.1	77	25.0	64	17.8	26	8	130		29.84			29.84	FM-15	0.00	29.80
08	1256	7	CLR:00	10.00		107	41.7	76	24.3	61	16.1	22	9	140		29.82	8	+0.04	29.83	FM-15	0.00	29.78
08	1356	7	CLR:00	10.00		106	41.1	76	24.7	63	17.2	25	8	110		29.80			29.80	FM-15	0.00	29.76
08	1456	7	CLR:00	10.00		107	41.7	76	24.3	61	16.1	22	11	110		29.77			29.78	FM-15	0.00	29.73
08	1556	7	CLR:00	10.00		108	42.2	77	24.9	63	17.2	23	14	140		29.75	6	+0.07	29.75	FM-15	0.00	29.71
08	1656	7	CLR:00	10.00		109	42.8	76	24.3	60	15.6	20	10	150		29.74			29.74	FM-15	0.00	29.70
08	1756	7	CLR:00	10.00		109	42.8	75	23.8	58	14.4	19	10	210		29.75			29.76	FM-15	0.00	29.71
08	1856	7	CLR:00	10.00		103	39.4	71	21.5	52	11.1	18	13	240		29.75	3	-0.00	29.76	FM-15	0.00	29.71
08	1956	7	CLR:00	10.00		100	37.8	70	20.8	51	10.6	19	14	240		29.78			29.79	FM-15	T	29.74
08	2056	7	CLR:00	10.00	-RA:02 RA RA	99	37.2	69	20.5	50	10.0	19	13	260		29.78			29.79	FM-15	T	29.74
08	2156	7	CLR:00	10.00		96	35.6	69	20.4	52	11.1	23	7	220		29.80	1	-0.05	29.80	FM-15	T	29.76
08	2256	7	CLR:00	10.00		94	34.4	68	19.8	51	10.6	23	7	190		29.81			29.82	FM-15	0.00	29.77
08	2356	7	CLR:00	10.00		93	33.9	68	19.9	52	11.1	25	6	190		29.82			29.82	FM-15	0.00	29.78

July 9, 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 July 2018

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

Generated on 08/08/2018

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
09	0056	7		3.00	-RA:02 RA RA	91	32.8	75	23.7	67	19.4	45	37	120	46	29.89			29.89	FM-15	T	29.85
09	0115	7	BKN:07 12	2.00	-RA:02 RA RA	91	32.8	74	23.4	66	18.9	44	32	120	49	29.90				FM-16	T	29.86
09	0124	7	OVC:08 12	1.50	-RA:02 RA RA	91	32.8	74	23.4	66	18.9	44	29	130	45	29.90				FM-16	T	29.86
09	0154	6	OVC:08 11	2.00	-RA:02 RA RA	90	32.0	73	22.6	64	18.0	43	31	140	40	29.91				FM-16		29.87
09	0156	7	OVC:08 12	2.50	-RA:02 RA RA	90	32.2	73	22.9	65	18.3	44	28	140	40	29.91		29.91		FM-15	T	29.87
09	0209	7	OVC:08 12	4.00	-RA:02 RA RA	90	32.2	73	22.6	64	17.8	42	28	130	41	29.92				FM-16	T	29.88
09	0226	7	SCT:04 15	5.00	-RA:02 RA RA	90	32.2	73	22.6	64	17.8	42	24	140	36	29.94				FM-16	T	29.90
09	0256	7	FEW:02 110	7.00	-RA:02 RA RA	88	31.1	73	22.9	66	18.9	48	10	130		29.97		29.97		FM-15	T	29.93
09	0356	7	FEW:02 75 FEW:02 100 SCT:04 120	9.00	-RA:02 RA RA	82	27.8	74	23.6	71	21.7	69	21	170		29.93	0	-0.04	29.94	FM-15	0.03	29.89
09	0456	7	SCT:04 100 BKN:07 200	10.00		82	27.8	74	23.6	71	21.7	69	6	080		29.98		29.99		FM-15	0.00	29.94
09	0556	7	SCT:04 100 BKN:07 200	10.00		84	28.9	74	23.3	69	20.6	61	7	140		29.95		29.96		FM-15	0.00	29.91
09	0656	7	SCT:04 100 BKN:07 200	10.00		84	28.9	74	23.2	69	20.6	61	9	010		29.91	8	+0.02	29.91	FM-15	T	29.87
09	0756	7	SCT:04 100 BKN:07 200	10.00		87	30.6	76	24.4	71	21.7	59	9	050		29.95		29.96		FM-15	0.00	29.91
09	0856	7	SCT:04 100 BKN:07 200	10.00		89	31.7	75	23.7	68	20.0	50	11	080		29.97		29.97		FM-15	0.00	29.93
09	0956	7	SCT:04 100 BKN:07 200	10.00		92	33.3	75	23.9	67	19.4	44	9	130		29.97	1	-0.06	29.98	FM-15	0.00	29.93
09	1056	7	SCT:04 100 BKN:07 250	10.00		97	36.1	74	23.1	62	16.7	32	11	120		29.96		29.97		FM-15	0.00	29.92
09	1156	7	SCT:04 100 BKN:07 250	10.00		98	36.7	74	23.6	63	17.2	32	7	120		29.94		29.95		FM-15	0.00	29.90
09	1256	7	FEW:02 100 BKN:07 250	10.00		98	36.7	74	23.6	63	17.2	32	6	VRB		29.93	8	+0.05	29.93	FM-15	0.00	29.89
09	1356	7	FEW:02 100 BKN:07 250	10.00		99	37.2	75	23.7	63	17.2	31	5	050		29.90		29.90		FM-15	0.00	29.86
09	1456	7	SCT:04 120 BKN:07 200	10.00		100	37.8	75	23.9	63	17.2	30	6	020		29.86		29.87		FM-15	0.00	29.82
09	1556	7	SCT:04 140 BKN:07 200	10.00		100	37.8	75	23.9	63	17.2	30	6	350		29.85	6	+0.08	29.85	FM-15	0.00	29.81
09	1656	7	SCT:04 140 BKN:07 200	10.00		101	38.3	75	23.7	62	16.7	28	5	VRB		29.84		29.85		FM-15	0.00	29.80
09	1756	7	SCT:04 140 BKN:07 200	10.00		100	37.8	75	24.1	64	17.8	31	7	070		29.83		29.84		FM-15	0.00	29.79
09	1856	7	SCT:04 140 BKN:07 200	10.00		96	35.6	76	24.4	67	19.4	39	5	110		29.85	5	+0.01	29.85	FM-15	0.00	29.81
09	1956	7	BKN:07 140 BKN:07 200	10.00		94	34.4	75	24.2	67	19.4	41	5	080		29.86		29.86		FM-15	0.00	29.82
09	2056	7	BKN:07 140 BKN:07 200	10.00		93	33.9	74	23.1	64	17.8	38	11	140		29.89		29.90		FM-15	0.00	29.85
09	2119	7	BKN:07 12 BKN:07 140	2.00	HZ:7 BL:5 DU:5 FU HZ	89	31.7	73	22.8	65	18.3	45	23	100	43	29.92				FM-16		29.88
09	2150	7	BKN:07 14	5.00	HZ:7 BL:5 DU:5 FU HZ	86	30.0	73	22.6	66	19.0	52	23	110	33	29.93				FM-16	T	29.89
09	2154	6	BKN:07 16	5.00	HZ:7 BL:5 DU:5 HZ	84	29.0	72	22.3	66	19.0	55	23	110		29.93				FM-16		29.89
09	2156	7	BKN:07 16	5.00	HZ:7 BL:5 DU:5 FU HZ	85	29.4	72	22.1	66	18.9	53	22	110	31	29.93	3	-0.08	29.93	FM-15	T	29.89
09	2256	7	OVC:08 22	2.50	HZ:7 BL:5 DU:5 FU HZ	86	30.0	73	22.9	67	19.4	53	18	130		29.95		29.96		FM-15	0.00	29.91

09	2321	7	OVC:08 19	3.00	HZ:7 BL:5 DU:5 FU HZ	87	30.6	74	23.4	68	20.0	53	16	130		29.95				FM-16		29.91
09	2352	7	OVC:08 14	4.00	HZ:7 BL:5 DU:5 FU HZ	86	30.0	74	23.2	68	20.0	55	17	130		29.94				FM-16		29.90
09	2356	7	OVC:08 14	5.00	HZ:7 BL:5 DU:5 FU HZ	86	30.0	74	23.2	68	20.0	55	16	140		29.94			29.94	FM-15	0.00	29.90

July 9, 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 July 2018

Generated on 08/08/2018

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
10	0016	7	SCT:04 14	5.00	HZ:7 BL:5 DU:5 FU HZ	86	30.0	74	23.6	69	20.6	57	14	150		29.93				FM-16		29.89
10	0037	7	BKN:07 27	6.00	HZ:7 s BL:5 DU:5 s FU HZ s	87	30.6	75	23.7	69	20.6	55	10s	150		29.93				FM-16		29.89
10	0053	7	SCT:04 27	7.00	BL:5 DU:5 s	86	30.0	75	23.9	70	21.0	59	7s	140		29.93				FM-16		29.89
10	0056	7	SCT:04 25	7.00	BL:5 DU:5 s	86	30.0	74	23.6	69	20.6	57	7s	130		29.93	6	+0.01	29.93	FM-15	0.00	29.89
10	0156	7	CLR:00	10.00	BL:5 DU:5 s	84	28.9	74	23.6	70	21.1	63	3s	070		29.93			29.94	FM-15	0.00	29.89
10	0256	7	CLR:00	10.00	BL:5 DU:5 s	82	27.8	73	22.9	69	20.6	65	9s	050		29.95			29.96	FM-15	0.00	29.91
10	0356	7	CLR:00	10.00	BL:5 DU:5 s	81	27.2	72	22.4	68	20.0	65	7s	050		29.97	3	-0.04	29.97	FM-15	0.00	29.93
10	0456	7	BKN:07 120 BKN:07 250	10.00		82	27.8	73	22.9	69	20.6	65	0	000		29.97			29.97	FM-15	0.00	29.93
10	0556	7	BKN:07 120 BKN:07 250	10.00		84	28.9	73	22.9	68	20.0	59	0	000		29.97			29.97	FM-15	0.00	29.93
10	0656	7	BKN:07 120 BKN:07 250	10.00		86	30.0	74	23.6	69	20.6	57	6	130		29.99	3	-0.02	30.00	FM-15	0.00	29.95
10	0756	7	BKN:07 120 BKN:07 250	10.00		87	30.6	75	24.1	70	21.1	57	6	140		30.01			30.02	FM-15	0.00	29.97
10	0856	7	BKN:07 120 BKN:07 250	10.00		88	31.1	75	23.9	69	20.6	54	5	130		30.01			30.01	FM-15	0.00	29.97
10	0956	7	FEW:02 35 BKN:07 75 OVC:08 100	10.00	-RA:02 RA RA	88	31.1	76	24.2	70	21.1	55	3	270		30.01	0	-0.01	30.01	FM-15	T	29.97
10	1056	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		91	32.8	76	24.4	69	20.6	49	8	310		30.00			30.00	FM-15	T	29.96
10	1156	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		91	32.8	75	24.0	68	20.0	47	6	300		29.98			29.98	FM-15	0.00	29.94
10	1256	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		94	34.4	75	23.9	66	18.9	40	10	260		29.94	8	+0.06	29.95	FM-15	0.00	29.90
10	1356	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		96	35.6	74	23.6	64	17.8	35	9	290		29.92			29.92	FM-15	0.00	29.88
10	1433	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		96	35.6	74	23.6	64	17.8	35	7	280		29.89				FM-16		29.85
10	1456	7	FEW:02 80 BKN:07 120 BKN:07 250	10.00		96	35.6	74	23.3	63	17.2	34	5	290		29.89			29.89	FM-15	0.00	29.85
10	1556	7	FEW:02 80 BKN:07 120 BKN:07 200	10.00		97	36.1	74	23.1	62	16.7	32	5	200		29.86	6	+0.08	29.87	FM-15	0.00	29.82
10	1656	7	BKN:07 140 BKN:07 250	10.00		98	36.7	74	23.3	62	16.7	31	3	VRB		29.83			29.84	FM-15	0.00	29.79
10	1756	7	SCT:04 140 BKN:07 250	10.00		97	36.1	73	22.6	60	15.6	29	0	000		29.84			29.84	FM-15	0.00	29.80
10	1856	7	BKN:07 140 BKN:07 250	10.00		96	35.6	73	23.0	62	16.7	32	3	270		29.84	5	+0.02	29.85	FM-15	0.00	29.80
10	1956	7	SCT:04 140 BKN:07 250	10.00		95	35.0	73	22.8	62	16.7	34	3	220		29.85			29.86	FM-15	0.00	29.81
10	2056	7	SCT:04 140 BKN:07 250	10.00		92	33.3	74	23.2	65	18.3	41	3	160		29.88			29.88	FM-15	0.00	29.84
10	2156	7	FEW:02 140 SCT:04 250	10.00		92	33.3	73	22.6	63	17.2	38	6	170		29.88	1	-0.04	29.89	FM-15	0.00	29.84

10	2256	7	CLR:00	10.00		90	32.2	73	22.6	64	17.8	42	5	190		29.87			29.88	FM-15	0.00	29.83
10	2356	7	CLR:00	10.00		89	31.7	72	22.5	64	17.8	43	6	220		29.86			29.87	FM-15	0.00	29.82

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
July 2018

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

Generated on 08/08/2018

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
08	0053	7	CLR:00	10.00		91	32.8	73	22.8	64	17.8	41	3	230		29.78	8	+0.01	29.72	FM-15	0.00	29.72
08	0153	7	CLR:00	10.00		90	32.2	73	22.9	65	18.3	44	3	180		29.77			29.72	FM-15	0.00	29.71
08	0253	7	CLR:00	10.00		89	31.7	76	24.4	70	21.1	53	9	150		29.80			29.74	FM-15	0.00	29.74
08	0353	7	CLR:00	10.00		88	31.1	77	24.9	72	22.2	59	9	140		29.81	3	-0.03	29.75	FM-15	0.00	29.75
08	0453	7	CLR:00	10.00		87	30.6	75	24.1	70	21.1	57	13	150		29.82			29.76	FM-15	0.00	29.76
08	0553	7	CLR:00	10.00		90	32.2	76	24.2	69	20.6	50	8	150		29.84			29.78	FM-15	0.00	29.78
08	0653	7	CLR:00	10.00		93	33.9	77	25.0	70	21.1	47	5	150		29.86	2	-0.05	29.80	FM-15	0.00	29.80
08	0753	6	CLR:00	10.00		97	36.1	77	25.2	69	20.6	40	0	000		29.87			29.81	FM-15	0.00	29.81
08	0853	6	CLR:00	10.00		101	38.3	78	25.8	69	20.6	36	7	VRB		29.86			29.80	FM-15	0.00	29.80
08	0953	6	CLR:00	10.00		102	38.9	79	26.2	70	21.1	36	9	130		29.87	1	-0.01	29.81	FM-15	0.00	29.81
08	1053	6	CLR:00	10.00		105	40.6	79	26.0	68	20.0	30	8	120		29.85			29.79	FM-15	0.00	29.79
08	1153	7	CLR:00	10.00		108	42.2	78	25.8	66	18.9	26	10	110		29.84			29.78	FM-15	0.00	29.78
08	1253	7	CLR:00	10.00		108	42.2	77	25.2	64	17.8	24	15	130		29.82	6	+0.04	29.76	FM-15	0.00	29.76
08	1353	7	CLR:00	10.00		107	41.7	76	24.3	61	16.1	22	13	120		29.80			29.74	FM-15	0.00	29.74
08	1453	7	CLR:00	10.00		106	41.1	76	24.4	62	16.7	24	13	120		29.77			29.71	FM-15	0.00	29.71
08	1553	7	FEW:02 110	10.00		110	43.3	76	24.7	61	16.1	20	11	150		29.74	8	+0.08	29.69	FM-15	0.00	29.68
08	1653	7	BKN:07 110	10.00		109	42.8	76	24.3	60	15.6	20	0	000		29.73			29.67	FM-15	0.00	29.67
08	1753	7	BKN:07 110	10.00		108	42.2	76	24.7	62	16.7	23	13	130		29.74			29.68	FM-15	0.00	29.68
08	1853	7	SCT:04 120	10.00		104	40.0	75	24.1	62	16.7	25	5	230		29.75	3	-0.01	29.69	FM-15	0.00	29.69
08	1953	7	FEW:02 110	10.00		101	38.3	72	22.2	56	13.3	22	7	200		29.78			29.72	FM-15	0.00	29.72
08	2053	7	CLR:00	10.00		98	36.7	71	21.7	56	13.3	24	5	250		29.78			29.72	FM-15	0.00	29.72
08	2153	7	CLR:00	10.00		96	35.6	70	21.1	55	12.8	25	5	200		29.80	1	-0.04	29.74	FM-15	0.00	29.74
08	2253	7	CLR:00	10.00		94	34.4	69	20.8	55	12.8	27	6	200		29.81			29.75	FM-15	0.00	29.75
08	2353	7	CLR:00	10.00		93	33.9	74	23.1	64	17.8	38	6	150		29.81			29.75	FM-15	0.00	29.75

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
 July 2018

Generated on 08/08/2018

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
09	0053	7	FEW:02 10	3.00	HZ:7 FU HZ	92	33.3	75	23.9	67	19.4	44	24	110	40	29.90				FM-15	0.00	29.84
09	0107	7	BKN:07 14	1.75	HZ:7 FU HZ	91	32.8	75	23.7	67	19.4	45	29	120	44	29.90				FM-16		29.84
09	0116	7	BKN:07 12	1.25	HZ:7 FU HZ	91	32.8	75	23.7	67	19.4	45	30	120	40	29.90				FM-16		29.84
09	0143	7	OVC:08 11	1.75	HZ:7 FU HZ	89	31.7	74	23.1	66	18.9	47	25	130	40	29.91				FM-16		29.85
09	0153	7	OVC:08 11	2.00	HZ:7 FU HZ	89	31.7	74	23.1	66	18.9	47	20	130	34	29.91			29.85	FM-15	0.00	29.85
09	0206	7	BKN:07 13	4.00	HZ:7 FU HZ	88	31.1	74	23.2	67	19.4	50	22	130	29	29.92				FM-16		29.86
09	0214	7	SCT:04 13	4.00	HZ:7 FU HZ	88	31.1	74	23.2	67	19.4	50	22	120		29.93				FM-16		29.87
09	0253	7	SCT:04 110	5.00	VCTS:7 -RA:02 RA RA	88	31.1	74	23.2	67	19.4	50	13	150		29.96			29.90	FM-15	T	29.90
09	0302	7	BKN:07 110	6.00	TS:7 -RA:02 RA TS TS RA	88	31.1	74	23.6	68	20.0	52	15	160		29.96				FM-16	T	29.90
09	0324	7	SCT:04 110	8.00		87	30.6	74	23.4	68	20.0	53	23	180		29.94				FM-16	T	29.88
09	0353	7	FEW:02 90	9.00		87	30.6	74	23.1	67	19.4	51	21	170	29	29.93	0	-0.04	29.87	FM-15	T	29.87
09	0453	7	CLR:00	10.00		86	30.0	73	22.9	67	19.4	53	6	080		29.98			29.92	FM-15	0.00	29.92
09	0553	7	CLR:00	10.00		84	28.9	73	22.9	68	20.0	59	0	000		29.94			29.88	FM-15	0.00	29.88
09	0653	7	FEW:02 110	10.00		84	28.9	75	23.9	71	21.7	65	8	350		29.92	8	+0.01	29.86	FM-15	T	29.86
09	0753	7	CLR:00	10.00		89	31.7	76	24.4	70	21.1	53	10	040		29.96			29.90	FM-15	0.00	29.90
09	0853	7	CLR:00	10.00		90	32.2	76	24.2	69	20.6	50	10	070		29.97			29.91	FM-15	0.00	29.91
09	0953	7	CLR:00	10.00		93	33.9	76	24.3	68	20.0	44	5	VRB		29.97	1	-0.05	29.91	FM-15	0.00	29.91
09	1053	7	CLR:00	10.00		97	36.1	76	24.3	66	18.9	36	9	070		29.96			29.90	FM-15	0.00	29.90
09	1153	7	CLR:00	10.00		98	36.7	75	24.1	65	18.3	34	5	080		29.95			29.89	FM-15	0.00	29.89
09	1253	7	CLR:00	10.00		100	37.8	77	24.7	66	18.9	33	9	060		29.93	8	+0.04	29.87	FM-15	0.00	29.87
09	1353	7	CLR:00	10.00		98	36.7	76	24.4	66	18.9	35	3	VRB		29.90			29.84	FM-15	0.00	29.84
09	1453	7	CLR:00	10.00		101	38.3	77	24.9	66	18.9	32	7	350		29.86			29.80	FM-15	0.00	29.80
09	1553	7	CLR:00	10.00		101	38.3	77	24.9	66	18.9	32	5	VRB		29.84	6	+0.08	29.79	FM-15	0.00	29.78
09	1653	7	CLR:00	10.00		101	38.3	77	24.9	66	18.9	32	7	010		29.84			29.78	FM-15	0.00	29.78
09	1753	7	CLR:00	10.00		100	37.8	76	24.7	66	18.9	33	6	040		29.83			29.77	FM-15	0.00	29.77
09	1853	7	CLR:00	10.00		99	37.2	76	24.6	66	18.9	34	6	110		29.84	5	+0.01	29.78	FM-15	0.00	29.78
09	1953	7	CLR:00	10.00		97	36.1	76	24.6	67	19.4	37	6	090		29.86			29.80	FM-15	0.00	29.80
09	2053	7	CLR:00	10.00		96	35.6	73	23.0	62	16.7	32	16	130		29.90			29.84	FM-15	0.00	29.84
09	2113	7	SCT:04 13 BKN:07 110	1.75	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	25	120	34	29.93				FM-16		29.87
09	2117	7	BKN:07 13 BKN:07 110	2.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	23	110	34	29.93				FM-16		29.87
09	2126	7	BKN:07 15 OVC:08 110	3.00	HZ:7 FU HZ	87	30.6	74	23.4	68	20.0	53	23	120		29.92				FM-16		29.86
09	2151	7	SCT:04 17	6.00	HZ:7 FU HZ	86	30.0	73	22.6	66	19.0	52	18	120	26	29.93				FM-16		29.87
09	2153	7	FEW:02 19	6.00	HZ:7 FU HZ	86	30.0	73	22.9	67	19.4	53	17	120		29.93	1	-0.08	29.87	FM-15	0.00	29.87
09	2230	7	BKN:07 24	5.00	HZ:7 FU HZ	86	30.0	73	22.9	67	19.4	53	18	120		29.95				FM-16		29.89
09	2253	7	OVC:08 24	3.00	HZ:7 FU HZ	86	30.0	74	23.2	68	20.0	55	17	130		29.96			29.90	FM-15	0.00	29.90
09	2338	7	BKN:07 14	3.00	HZ:7 FU HZ	87	30.6	75	23.7	69	20.6	55	18	140		29.95				FM-16		29.89
09	2348	7	SCT:04 14	4.00	HZ:7 FU HZ	88	31.0	76	24.2	70	21.0	55	17	140		29.95				FM-16		29.89
09	2353	7	FEW:02 14	4.00	HZ:7 FU HZ	87	30.6	75	23.7	69	20.6	55	16	140		29.94			29.88	FM-15	0.00	29.88

U.S. Department of Commerce
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 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
July 2018

Generated on 08/08/2018

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
10	0053	7	CLR:00	9.00		88	31.1	76	24.6	71	21.7	57	10	160		29.93	8	+0.02	29.87	FM-15	0.00	29.87
10	0153	7	CLR:00	10.00		87	30.6	75	23.7	69	20.6	55	6	080		29.93			29.88	FM-15	0.00	29.87
10	0253	7	CLR:00	10.00		84	28.9	74	23.3	69	20.6	61	10	060		29.95			29.90	FM-15	0.00	29.89
10	0353	7	CLR:00	10.00		84	28.9	74	23.3	69	20.6	61	7	050		29.97	3	-0.04	29.91	FM-15	0.00	29.91
10	0453	7	CLR:00	10.00		84	28.9	74	23.3	69	20.6	61	0	000		29.97			29.91	FM-15	0.00	29.91
10	0553	7	FEW:02 90 SCT:04 110	10.00		85	29.4	74	23.4	69	20.6	59	3	120		29.97			29.91	FM-15	0.00	29.91
10	0653	7	CLR:00	10.00		86	30.0	74	23.6	69	20.6	57	7	130		29.99	3	-0.02	29.93	FM-15	0.00	29.93
10	0753	7	CLR:00	10.00		88	31.1	76	24.2	70	21.1	55	10	150		30.00			29.95	FM-15	0.00	29.94
10	0853	7	CLR:00	10.00		89	31.7	76	24.4	70	21.1	53	7	VRB		30.00			29.94	FM-15	0.00	29.94
10	0953	7	CLR:00	10.00		90	32.2	76	24.5	70	21.1	52	6	280		29.99	0	-0.01	29.93	FM-15	0.00	29.93
10	1053	7	FEW:02 120	10.00		91	32.8	77	25.0	71	21.7	52	8	290		29.99			29.93	FM-15	0.00	29.93
10	1153	7	CLR:00	10.00		92	33.3	77	25.2	71	21.7	51	8	310		29.97			29.91	FM-15	0.00	29.91
10	1253	7	CLR:00	10.00		94	34.4	77	24.8	69	20.6	44	9	260		29.94	8	+0.05	29.88	FM-15	0.00	29.88
10	1353	7	CLR:00	10.00		97	36.1	76	24.6	67	19.4	37	5	260		29.91			29.85	FM-15	0.00	29.85
10	1453	7	CLR:00	10.00		98	36.7	75	24.1	65	18.3	34	8	VRB		29.88			29.82	FM-15	0.00	29.82
10	1553	7	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	6	270		29.86	6	+0.09	29.80	FM-15	0.00	29.80
10	1653	7	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	6	VRB		29.83			29.78	FM-15	0.00	29.77
10	1753	7	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	6	230		29.84			29.78	FM-15	0.00	29.78
10	1853	7	CLR:00	10.00		96	35.6	74	23.6	64	17.8	35	3	280		29.84	5	+0.01	29.78	FM-15	0.00	29.78
10	1953	7	CLR:00	10.00		96	35.6	74	23.6	64	17.8	35	0	000		29.85			29.80	FM-15	0.00	29.79
10	2053	7	SCT:04 120	10.00		95	35.0	75	23.7	65	18.3	37	6	150		29.88			29.82	FM-15	0.00	29.82
10	2153	7	CLR:00	10.00		94	34.4	75	23.9	66	18.9	40	7	160		29.88	1	-0.04	29.82	FM-15	0.00	29.82
10	2253	7	CLR:00	10.00		92	33.3	75	23.9	67	19.4	44	0	000		29.87			29.81	FM-15	0.00	29.81
10	2353	7	CLR:00	10.00		91	32.8	75	23.7	67	19.4	45	0	000		29.85			29.80	FM-15	0.00	29.79

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
July 2018

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

Generated on 08/08/2018

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
08	0052	7	CLR:00	10.00		89	31.7	70	21.0	59	15.0	36	5	090		29.84	8	+0.00	29.73	FM-15	0.00	29.72
08	0152	7	CLR:00	10.00		87	30.6	69	20.7	59	15.0	39	3	300		29.84			29.73	FM-15	0.00	29.72
08	0252	7	CLR:00	10.00		83	28.3	68	20.3	60	15.6	46	0	000		29.84			29.72	FM-15	0.00	29.72
08	0352	7	CLR:00	10.00		81	27.2	68	20.2	61	16.1	51	3	140		29.86	3	-0.02	29.75	FM-15	0.00	29.74
08	0452	7	CLR:00	10.00		81	27.2	69	20.5	62	16.7	53	3	150		29.89			29.78	FM-15	0.00	29.77
08	0552	7	CLR:00	10.00		89	31.7	76	24.4	70	21.1	53	0	000		29.91			29.80	FM-15	0.00	29.79
08	0652	6	CLR:00	10.00		96	35.6	78	25.4	70	21.1	43	5	150		29.92	1	-0.07	29.81	FM-15	0.00	29.80
08	0752	6	CLR:00	10.00		99	37.2	76	24.6	66	18.9	34	7	160		29.93			29.82	FM-15	0.00	29.81
08	0852	6	CLR:00	10.00		102	38.9	76	24.4	64	17.8	29	7	180		29.93			29.82	FM-15	0.00	29.81
08	0952	6	CLR:00	10.00		107	41.7	76	24.6	62	16.7	23	7	VRB		29.92	8	+0.01	29.81	FM-15	0.00	29.80
08	1052	7	CLR:00	10.00		108	42.2	76	24.7	62	16.7	23	9	140		29.91			29.80	FM-15	0.00	29.79
08	1152	7	CLR:00	10.00		111	43.9	76	24.6	60	15.6	19	10	160		29.88			29.77	FM-15	0.00	29.76
08	1252	7	CLR:00	10.00		112	44.4	76	24.5	59	15.0	18	7	150	16	29.86	8	+0.06	29.75	FM-15	0.00	29.74
08	1352	7	CLR:00	10.00		112	44.4	75	24.0	57	13.9	17	7	VRB		29.85			29.74	FM-15	0.00	29.73
08	1452	7	CLR:00	10.00		114	45.6	76	24.3	57	13.9	16	8	100		29.81			29.70	FM-15	0.00	29.69
08	1552	7	CLR:00	10.00		114	45.6	78	25.5	62	16.7	19	11	150		29.80	8	+0.06	29.68	FM-15	0.00	29.68
08	1652	7	CLR:00	10.00		111	43.9	78	25.3	63	17.2	21	6	130		29.78			29.67	FM-15	0.00	29.66
08	1752	7	CLR:00	10.00		106	41.1	78	25.5	66	18.9	28	8	160		29.79			29.67	FM-15	0.00	29.67
08	1852	7	CLR:00	10.00		102	38.9	77	25.3	67	19.4	32	7	130		29.80	3	-0.01	29.69	FM-15	0.00	29.68
08	1952	7	CLR:00	10.00		100	37.8	79	25.9	70	21.1	38	3	010		29.82			29.71	FM-15	0.00	29.70
08	2052	7	CLR:00	10.00		101	38.3	71	21.7	54	12.2	21	8	360		29.84			29.73	FM-15	0.00	29.72
08	2152	7	CLR:00	10.00		101	38.3	68	20.2	47s	8.3s	16	8	340		29.84	1	-0.04	29.73	FM-15	0.00	29.72
08	2252	7	CLR:00	10.00		96	35.6	67	19.5	48	8.9	19	7	310		29.85			29.74	FM-15	0.00	29.73
08	2352	7	CLR:00	10.00		97	36.1	67	19.5	47	8.3	18	7	320		29.85			29.74	FM-15	0.00	29.73

July 9, 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 July 2018

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

Generated on 08/08/2018

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
09	0052	7	CLR:00	10.00		97	36.1	67	19.5	47	8.3	18	8	310	29.86	3	-0.01	29.75	FM-15	0.00	29.74	
09	0136	7	FEW:02 4	1.50	HZ:7 FU HZ	95	35.0	70	21.2	56	13.3	27	30	140	29.94				FM-16		29.82	
09	0142	7	VV:09 8	0.75	-RA:02 RA RA	96	35.6	75	23.9	65	18.3	36	26	140	29.96				FM-16	T	29.83	
09	0150	6	VV:09 9	1.00	-RA:02 RA RA	95	35.0	75	24.0	66	19.0	39	26	150	29.96				FM-16		29.84	
09	0152	7	VV:09 8	0.75	-RA:02 RA RA	95	35.0	76	24.3	67	19.4	40	28	150	29.97			29.85	FM-15	T	29.85	
09	0206	7	VV:09 10	1.00	-RA:02 RA RA	93	33.9	76	24.3	68	20.0	44	21	140	29.98				FM-16	T	29.86	
09	0222	7	OVC:08 16	2.00	HZ:7 FU HZ	92	33.3	76	24.2	68	20.0	46	23	150	29.99				FM-16	T	29.87	
09	0237	7	OVC:08 22	3.00	HZ:7 FU HZ	91	32.8	76	24.4	69	20.6	49	15	150	29.99				FM-16	T	29.87	
09	0252	7	OVC:08 25	4.00	HZ:7 FU HZ	91	32.8	76	24.7	70	21.1	50	20	150	29.99			29.88	FM-15	T	29.87	
09	0352	7	OVC:08 24	4.00	HZ:7 FU HZ	91	32.8	76	24.4	69	20.6	49	16	110	30.01	3	-0.05	29.90	FM-15	0.00	29.89	
09	0418	7	OVC:08 32	6.00	HZ:7 FU HZ	91	32.8	75	24.0	68	20.0	47	18	120	30.03				FM-16		29.91	
09	0452	7	OVC:08 40	8.00		91	32.8	75	23.7	67	19.4	45	11	130	30.04			29.93	FM-15	0.00	29.92	
09	0552	7	OVC:08 35	7.00		89	31.7	74	23.4	67	19.4	48	3	120	30.03			29.91	FM-15	0.00	29.91	
09	0652	7	OVC:08 37	7.00		89	31.7	75	23.7	68	20.0	50	6	240	30.04	1	-0.03	29.93	FM-15	0.00	29.92	
09	0752	7	OVC:08 33	7.00		91	32.8	76	24.4	69	20.6	49	7	280	30.01			29.90	FM-15	0.00	29.89	
09	0852	7	OVC:08 34	6.00	HZ:7 FU HZ	95	35.0	75	24.0	66	18.9	39	8	320	29.99			29.88	FM-15	0.00	29.87	
09	0952	7	OVC:08 32	5.00	HZ:7 FU HZ	96	35.6	76	24.5	67	19.4	39	3	VRB	30.01	5	+0.04	29.89	FM-15	0.00	29.88	
09	1007	7	OVC:08 28	5.00	HZ:7 FU HZ	96	35.6	75	24.2	66	18.9	37	3	VRB	30.01				FM-16		29.88	
09	1050	6	SCT:04 26 BKN:07 31	5.00	HZ:7 HZ	97	36.0	75	23.7	64	18.0	34	0	000	30.01				FM-16		29.88	
09	1052	7	SCT:04 26 SCT:04 31	5.00	HZ:7 FU HZ	97	36.1	75	24.0	65	18.3	35	0	000	30.01			29.88	FM-15	0.00	29.88	
09	1128	7	BKN:07 15	4.00	HZ:7 FU HZ	98	36.7	76	24.4	66	18.9	35	3	150	29.99				FM-16		29.87	
09	1152	7	BKN:07 19	4.00	HZ:7 FU HZ	98	36.7	77	24.7	67	19.4	36	3	VRB	29.99			29.88	FM-15	0.00	29.87	
09	1233	7	BKN:07 30 BKN:07 36 OVC:08 100	5.00	HZ:7 FU HZ	96	35.6	77	24.8	68	20.0	40	8	130	29.99				FM-16		29.87	
09	1252	7	OVC:08 33	8.00		97	36.1	76	24.3	66	18.9	36	10	130	29.99	7	+0.01	29.88	FM-15	0.00	29.87	
09	1348	7	OVC:08 30	6.00	VCTS:7 HZ:7 FU HZ	99	37.0	75	24.0	64	18.0	33	8	100	29.97				FM-16		29.85	
09	1352	7	OVC:08 30	6.00	VCTS:7 HZ:7 FU HZ	99	37.2	75	24.0	64	17.8	32	8	110	29.97			29.86	FM-15	0.00	29.85	
09	1407	7	OVC:08 28	5.00	VCTS:7 HZ:7 FU HZ	99	37.2	75	24.0	64	17.8	32	9	140	29.96				FM-16		29.83	
09	1415	7	BKN:07 26 OVC:08 32	5.00	HZ:7 FU HZ	100	37.8	75	24.2	64	17.8	31	6	080	29.96				FM-16		29.84	
09	1452	7	BKN:07 25 OVC:08 32	4.00	HZ:7 FU HZ	101	38.3	76	24.6	65	18.3	31	0	000	29.93			29.81	FM-15	0.00	29.81	
09	1552	7	OVC:08 25	5.00	HZ:7 FU HZ	103	39.4	77	24.8	65	18.3	29	7	100	29.91	8	+0.07	29.78	FM-15	0.00	29.78	
09	1652	7	OVC:08 28	7.00		101	38.3	76	24.6	65	18.3	31	5	150	29.89			29.78	FM-15	0.00	29.77	
09	1715	7	OVC:08 30	9.00		100	37.8	76	24.4	65	18.3	32	5	160	29.88				FM-16		29.76	
09	1752	7	SCT:04 34	10.00		100	37.8	76	24.4	65	18.3	32	3	150	29.87			29.76	FM-15	0.00	29.75	
09	1852	7	CLR:00	10.00		95	35.0	75	23.7	65	18.3	37	5	160	29.89	5	+0.01	29.78	FM-15	0.00	29.77	
09	1952	7	CLR:00	10.00		91	32.8	75	23.7	67	19.4	45	3	140	29.91			29.80	FM-15	0.00	29.79	
09	2052	7	CLR:00	10.00		90	32.2	75	23.9	68	20.0	48	3	130	29.94			29.82	FM-15	0.00	29.82	
09	2152	7	CLR:00	10.00		90	32.2	76	24.2	69	20.6	50	5	010	29.96	1	-0.06	29.83	FM-15	0.00	29.83	
09	2250	6	BKN:07 22 BKN:07 70 BKN:07 95	5.00	HZ:7 HZ	91	33.0	78	25.4	72	22.0	52	20	140	26	30.01				FM-16		29.88
09	2252	7	BKN:07 22 BKN:07 70 BKN:07 95	5.00	HZ:7 FU HZ	91	32.8	77	25.0	71	21.7	52	18	130	26	30.01			29.89	FM-15	0.00	29.88

09	2317	7	SCT:04 26	6.00	HZ:7 FU HZ	90	32.2	77	24.9	71	21.7	54	14	150	23	30.01				FM-16		29.89
09	2352	7	OVC:08 34	7.00		89	31.7	75	24.0	69	20.6	52	15	160	25	30.01			29.90	FM-15	0.00	29.89

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

**Local Climatological Data
 Hourly Observations
 July 2018**

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

Current Location: Elev: -118 ft. Lat: 33.6267° N Lon: -116.1594° W
 Station: DESERT RESORTS REGIONAL AIRPORT, CA US 03104

Generated on 08/08/2018

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
10	0052	7	OVC:08 43	8.00		88	31.1	75	23.9	69	20.6	54	6	090		30.03	1	-0.08	29.91	FM-15	0.00	29.91
10	0152	7	FEW:02 50	9.00		87	30.6	74	23.4	68	20.0	53	0	000		30.02			29.91	FM-15	0.00	29.90
10	0252	7	CLR:00	9.00		84	28.9	74	23.3	69	20.6	61	6	230		30.02			29.91	FM-15	0.00	29.90
10	0352	7	CLR:00	8.00		85	29.4	74	23.4	69	20.6	59	5	060		30.03	5	+0.00	29.91	FM-15	0.00	29.91
10	0452	7	FEW:02 55	8.00		85	29.4	74	23.4	69	20.6	59	3	060		30.02			29.91	FM-15	0.00	29.90
10	0552	7	FEW:02 50	6.00	HZ:7 FU HZ	86	30.0	75	23.9	70	21.1	59	5	060		30.02			29.91	FM-15	0.00	29.90
10	0652	7	CLR:00	6.00	HZ:7 FU HZ	88	31.1	76	24.2	70	21.1	55	0	000		30.06	3	-0.02	29.94	FM-15	0.00	29.93
10	0752	7	FEW:02 39 SCT:04 55 BKN:07 100	6.00	-RA:02 RA RA	87	30.6	76	24.4	71	21.7	59	5	230		30.06			29.95	FM-15	T	29.94
10	0852	7	CLR:00	6.00	HZ:7 FU HZ	90	32.2	76	24.2	69	20.6	50	0	000		30.06			29.94	FM-15	0.00	29.94
10	0952	7	CLR:00	6.00	HZ:7 FU HZ	92	33.3	76	24.5	69	20.6	47	6	VRB		30.06	1	-0.01	29.95	FM-15	0.00	29.94
10	1052	7	CLR:00	10.00		93	33.9	76	24.3	68	20.0	44	7	170		30.06			29.94	FM-15	0.00	29.93
10	1152	7	CLR:00	10.00		94	34.4	77	24.8	69	20.6	44	6	150		30.03			29.92	FM-15	0.00	29.91
10	1252	7	CLR:00	10.00		96	35.6	75	24.2	66	18.9	37	3	VRB		30.01	8	+0.06	29.89	FM-15	0.00	29.88
10	1352	7	CLR:00	10.00		99	37.2	76	24.3	65	18.3	33	0	000		29.96			29.85	FM-15	0.00	29.84
10	1452	7	CLR:00	10.00		101	38.3	76	24.3	64	17.8	30	0	000		29.92			29.81	FM-15	0.00	29.80
10	1552	7	CLR:00	10.00		102	38.9	76	24.4	64	17.8	29	3	VRB		29.89	6	+0.11	29.78	FM-15	0.00	29.77
10	1652	7	CLR:00	10.00		101	38.3	76	24.6	65	18.3	31	5	120		29.87			29.75	FM-15	0.00	29.75
10	1752	7	CLR:00	10.00		100	37.8	75	24.1	64	17.8	31	6	140		29.87			29.76	FM-15	0.00	29.75
10	1852	7	CLR:00	10.00		97	36.1	74	23.4	63	17.2	33	3	150		29.88	5	+0.01	29.77	FM-15	0.00	29.76
10	1952	7	CLR:00	10.00		92	33.3	73	22.9	64	17.8	40	3	150		29.89			29.78	FM-15	0.00	29.77
10	2052	7	CLR:00	10.00		89	31.7	75	23.7	68	20.0	50	3	150		29.92			29.81	FM-15	0.00	29.80
10	2152	7	CLR:00	10.00		88	31.1	75	23.9	69	20.6	54	0	000		29.92	0	-0.04	29.81	FM-15	0.00	29.80
10	2252	7	CLR:00	10.00		90	32.2	74	23.6	67	19.4	47	0	000		29.92			29.81	FM-15	0.00	29.80
10	2352	7	CLR:00	10.00		84	28.9	72	22.3	66	18.9	55	3	280		29.91			29.80	FM-15	0.00	29.79

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
July 2018

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

Generated on 08/08/2018

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
08	0053	7	CLR:00	10.00		97	36.1	70	21.2	55	12.8	24	0	000		29.31	8	+0.00	29.77	FM-15	0.00	29.79
08	0153	7	CLR:00	10.00		94	34.4	69	20.5	54	12.2	26	5	220		29.31			29.77	FM-15	0.00	29.79
08	0253	7	CLR:00	10.00		96	35.6	68	20.1	51	10.6	22	0	000		29.31			29.77	FM-15	0.00	29.79
08	0353	7	CLR:00	10.00		96	35.6	68	20.1	51	10.6	22	5	350		29.32	3	-0.01	29.78	FM-15	0.00	29.80
08	0453	7	CLR:00	10.00		90	32.2	69	20.6	57	13.9	33	3	200		29.35			29.81	FM-15	0.00	29.83
08	0553	7	CLR:00	10.00		93	33.9	69	20.3	54	12.2	27	7	130		29.37			29.83	FM-15	0.00	29.85
08	0653	7	CLR:00	10.00		95	35.0	75	23.6	65	18.3	37	7	070		29.40	1	-0.07	29.86	FM-15	0.00	29.88
08	0753	6	CLR:00	10.00		98	36.7	75	23.8	64	17.8	33	7	110		29.40			29.86	FM-15	0.00	29.88
08	0853	6	CLR:00	10.00		100	37.8	75	23.8	63	17.2	30	7	090		29.39			29.85	FM-15	0.00	29.87
08	0953	6	CLR:00	10.00		102	38.9	74	23.5	61	16.1	26	6	120		29.39	8	+0.01	29.85	FM-15	0.00	29.87
08	1053	6	CLR:00	10.00		106	41.1	75	23.8	60	15.6	22	8	090		29.37			29.83	FM-15	0.00	29.85
08	1153	7	CLR:00	10.00		110	43.3	74	23.4	56	13.3	17	7	080		29.35			29.81	FM-15	0.00	29.83
08	1253	7	CLR:00	10.00		110	43.3	74	23.4	56	13.3	17	5	160		29.33	8	+0.06	29.79	FM-15	0.00	29.81
08	1353	7	CLR:00	10.00		108	42.2	75	23.8	59	15.0	20	10	130		29.31			29.77	FM-15	0.00	29.79
08	1453	7	CLR:00	10.00		107	41.7	74	23.2	57	13.9	19	5	260		29.29			29.75	FM-15	0.00	29.77
08	1553	7	CLR:00	10.00		111	43.9	74	23.3	55	12.8	16	3	210		29.27	6	+0.05	29.73	FM-15	0.00	29.75
08	1653	7	CLR:00	10.00		113	45.0	73	22.8	51	10.6	13	0	000		29.26			29.72	FM-15	0.00	29.74
08	1753	7	CLR:00	10.00		112	44.4	71	21.6	46	7.8	11	15	310	24	29.26			29.72	FM-15	0.00	29.74
08	1853	7	CLR:00	10.00		109	42.8	70	21.2	46	7.8	12	15	320	21	29.27	5	+0.01	29.73	FM-15	0.00	29.75
08	1953	7	CLR:00	10.00		106	41.1	70	20.9	47	8.3	14	20	320	26	29.28			29.74	FM-15	0.00	29.76
08	2053	7	CLR:00	10.00		103	39.4	69	20.4	47	8.3	15	7	290		29.29			29.75	FM-15	0.00	29.77
08	2153	7	CLR:00	10.00		101	38.3	68	19.9	46	7.8	15	6	280		29.31	1	-0.04	29.77	FM-15	0.00	29.79
08	2253	7	CLR:00	10.00		99	37.2	67	19.3	45	7.2	16	11	320		29.32			29.78	FM-15	0.00	29.80
08	2353	7	CLR:00	10.00		98	36.7	66	19.2	45	7.2	16	10	320		29.31			29.78	FM-15	0.00	29.79

July 9, 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 July 2018

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

Generated on 08/08/2018

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
09	0053	7	CLR:00	10.00		95	35.0	66	19.0	47	8.3	19	3	160		29.33	3	-0.02	29.79	FM-15	0.00	29.81
09	0153	7	CLR:00	10.00		92	33.3	66	19.0	49	9.4	23	6	150		29.35			29.81	FM-15	0.00	29.83
09	0221	7	BKN:07 21	3.00	HZ:7 FU HZ	93	33.9	72	22.2	61	16.1	34	24	110	33	29.43				FM-16		29.91
09	0225	7	BKN:07 17	1.75	HZ:7 FU HZ	93	33.9	74	23.4	65	18.3	40	24	110	34	29.44				FM-16		29.92
09	0237	7	OVC:08 15	1.25	HZ:7 FU HZ	91	32.8	74	23.4	66	18.9	44	18	100	26	29.46				FM-16		29.94
09	0243	7	OVC:08 12	1.25	HZ:7 FU HZ	91	32.8	74	23.4	66	18.9	44	15	100	26	29.46				FM-16		29.94
09	0253	7	OVC:08 12	1.50	HZ:7 FU HZ	90	32.2	74	23.2	66	18.9	45	20	090		29.46		29.92		FM-15	0.00	29.94
09	0303	7	OVC:08 14	2.00	HZ:7 FU HZ	90	32.2	74	23.2	66	18.9	45	20	100	26	29.46				FM-16		29.94
09	0311	7	OVC:08 18	2.50	HZ:7 FU HZ	89	31.7	73	23.0	66	18.9	47	16	100	26	29.47				FM-16		29.95
09	0323	7	OVC:08 22	3.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	18	090		29.47				FM-16		29.95
09	0353	7	OVC:08 30	4.00	HZ:7 FU HZ	89	31.7	75	23.7	68	20.0	50	11	100		29.49	3	-0.16	29.96	FM-15	0.00	29.97
09	0453	7	OVC:08 36	4.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	9	110		29.52		29.98		FM-15	0.00	30.00
09	0553	7	OVC:08 36	6.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	6	090		29.51		29.97		FM-15	0.00	29.99
09	0653	7	OVC:08 32	6.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	0	000		29.50	0	-0.01	29.96	FM-15	0.00	29.98
09	0753	7	BKN:07 30 OVC:08 38	6.00	HZ:7 FU HZ	89	31.7	74	23.4	67	19.4	48	0	000		29.49		29.95		FM-15	0.00	29.97
09	0821	7	BKN:07 27 OVC:08 33	4.00	HZ:7 FU HZ	92	33.3	74	23.5	66	18.9	43	7	360		29.48				FM-16		29.96
09	0853	7	OVC:08 28	4.00	HZ:7 FU HZ	93	33.9	75	23.7	66	18.9	41	5	VRB		29.46		29.93		FM-15	0.00	29.94
09	0953	7	OVC:08 22	3.00	HZ:7 FU HZ	94	34.4	74	23.5	65	18.3	38	0	000		29.45	8	+0.05	29.91	FM-15	0.00	29.93
09	1053	7	BKN:07 19 OVC:08 26	3.00	HZ:7 FU HZ	98	36.7	75	23.8	64	17.8	33	11	130		29.46		29.92		FM-15	0.00	29.94
09	1106	7	OVC:08 19	3.00	HZ:7 FU HZ	98	36.7	75	24.1	65	18.3	34	14	130		29.46				FM-16		29.94
09	1153	7	BKN:07 23 BKN:07 33 OVC:08 70	4.00	-RA:02 RA RA	96	35.6	75	24.1	66	18.9	37	8	100		29.45		29.91		FM-15	T	29.93
09	1245	7	OVC:08 14	4.00	HZ:7 FU HZ	97	36.1	75	23.9	65	18.3	35	8	090		29.45				FM-16	T	29.93
09	1251	6	OVC:08 13	4.00	HZ:7 HZ	99	37.0	75	23.9	64	18.0	33	6	090		29.45				FM-16		29.93
09	1253	7	OVC:08 13	4.00	HZ:7 FU HZ	98	36.7	75	24.1	65	18.3	34	7	080		29.45	0	-0.00	29.91	FM-15	T	29.93
09	1333	7	OVC:08 14	5.00	HZ:7 FU HZ	98	36.7	75	23.8	64	17.8	33	14	110		29.43				FM-16		29.91
09	1348	7	OVC:08 15	4.00	HZ:7 FU HZ	99	37.0	75	23.9	64	18.0	33	13	110		29.42				FM-16		29.90
09	1353	7	OVC:08 15	4.00	HZ:7 FU HZ	98	36.7	75	24.1	65	18.3	34	13	110		29.42		29.89		FM-15	0.00	29.90
09	1453	7	OVC:08 18	5.00	HZ:7 FU HZ	97	36.1	75	23.9	65	18.3	35	10	110		29.40		29.87		FM-15	0.00	29.88
09	1553	7	OVC:08 21	5.00	HZ:7 FU HZ	98	36.7	75	24.1	65	18.3	34	6	VRB		29.36	8	+0.06	29.83	FM-15	0.00	29.84
09	1653	7	OVC:08 19	5.00	HZ:7 FU HZ	99	37.2	76	24.5	66	18.9	34	10	140		29.36		29.82		FM-15	0.00	29.84
09	1753	7	OVC:08 18	6.00	HZ:7 FU HZ	98	36.7	74	23.2	62	16.7	31	7	110		29.35		29.81		FM-15	0.00	29.83
09	1851	6	FEW:02 50 SCT:04 100	6.00	HZ:7 HZ	97	36.0	75	23.6	64	18.0	34	6	070		29.35				FM-16		29.83
09	1853	7	FEW:02 50 SCT:04 100	6.00	HZ:7 FU HZ	97	36.1	75	23.6	64	17.8	34	6	070		29.35	5	+0.01	29.82	FM-15	0.00	29.83
09	1900	7	OVC:08 24	5.00	HZ:7 FU HZ	97	36.1	75	23.6	64	17.8	34	5	VRB		29.35				FM-16		29.83
09	1951	6	SCT:04 100	6.00	HZ:7 HZ	97	36.0	76	24.2	66	19.0	37	6	130		29.37				FM-16		29.85
09	1953	7	SCT:04 100	6.00	HZ:7 FU HZ	96	35.6	76	24.4	67	19.4	39	6	130		29.37		29.83		FM-15	0.00	29.85
09	2018	7	SCT:04 110	7.00	VCTS:7	95	35.0	76	24.3	67	19.4	40	8	130		29.39				FM-16		29.87
09	2051	6	FEW:02 29 SCT:04 75 BKN:07 120	5.00	RA:02 RA RA	90	32.0	78	25.5	73	23.0	59	7	100		29.42				FM-16		29.90

09	2053	7	FEW:02 50 SCT:04 75 BKN:07 120	5.00	-RA:02 RA RA	89	31.7	78	25.7	74	23.3	61	6	120		29.41			29.88	FM-15	0.02	29.89
09	2103	7	FEW:02 46 SCT:04 75 BKN:07 100	9.00	TS:7 TS TS	89	31.7	78	25.4	73	22.8	59	6	200		29.41				FM-16	T	29.89
09	2118	7	FEW:02 38 SCT:04 75 SCT:04 100	9.00		91	32.8	78	25.3	72	22.2	54	3	110		29.40				FM-16	T	29.88
09	2128	7	SCT:04 26 SCT:04 100	9.00		91	32.8	78	25.7	73	22.8	56	6	360		29.40				FM-16	T	29.88
09	2137	7	BKN:07 26	9.00		91	32.8	78	25.7	73	22.8	56	9	350		29.41				FM-16	T	29.89
09	2153	7	OVC:08 25	9.00		91	32.8	76	24.6	70	21.1	50	9	340		29.41	1	-0.06	29.88	FM-15	T	29.89
09	2251	6	SCT:04 20 BKN:07 120	10.00		90	32.0	74	23.2	66	19.0	46	6	120		29.46				FM-16		29.94
09	2253	7	SCT:04 20 BKN:07 120	10.00		90	32.2	74	23.5	67	19.4	47	7	110		29.46			29.92	FM-15	0.00	29.94
09	2353	7	BKN:07 50 BKN:07 70 BKN:07 100	5.00	-RA:02 RA RA	86	30.0	77	24.9	73	22.8	65	10	080		29.49			29.95	FM-15	0.01	29.97

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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
10	0053	7	FEW:02 40	8.00		86	30.0	76	24.2	71	21.7	61	6	080		29.50	1	-0.09	29.96	FM-15	T	29.98
10	0153	7	OVC:08 45	8.00		86	30.0	75	23.9	70	21.1	59	0	000		29.49			29.96	FM-15	0.00	29.97
10	0253	7	OVC:08 44	9.00		86	30.0	74	23.5	69	20.6	57	0	000		29.49			29.96	FM-15	0.00	29.97
10	0353	7	CLR:00	9.00		85	29.4	75	23.7	70	21.1	61	3	230		29.48	7	+0.01	29.95	FM-15	0.00	29.96
10	0453	7	CLR:00	9.00		86	30.0	75	23.9	70	21.1	59	0	000		29.48			29.94	FM-15	0.00	29.96
10	0553	7	CLR:00	8.00		85	29.4	74	23.4	69	20.6	59	0	000		29.49			29.95	FM-15	0.00	29.97
10	0653	7	OVC:08 95	8.00		85	29.4	75	23.7	70	21.1	61	0	000		29.51	3	-0.03	29.98	FM-15	0.00	29.99
10	0716	7	FEW:02 29 SCT:04 120	8.00		86	30.0	75	23.9	70	21.1	59	3	180		29.51				FM-16		29.99
10	0753	7	BKN:07 43 BKN:07 65 BKN:07 80	8.00	-RA:02 RA RA	87	30.6	75	23.7	69	20.6	55	0	000		29.52			29.98	FM-15	T	30.00
10	0853	7	CLR:00	7.00		89	31.7	75	24.0	69	20.6	52	5	VRB		29.52			29.98	FM-15	0.00	30.00
10	0953	7	SCT:04 120	7.00		89	31.7	75	24.0	69	20.6	52	0	000		29.53	3	-0.01	29.99	FM-15	0.00	30.01
10	1053	7	CLR:00	9.00		91	32.8	75	24.0	68	20.0	47	7	VRB		29.51			29.98	FM-15	0.00	29.99
10	1153	7	CLR:00	9.00		92	33.3	75	23.8	67	19.4	44	6	100		29.50			29.96	FM-15	0.00	29.98
10	1253	7	CLR:00	8.00		92	33.3	75	23.8	67	19.4	44	7	070		29.47	8	+0.06	29.93	FM-15	0.00	29.95
10	1353	7	SCT:04 80	8.00		95	35.0	76	24.3	67	19.4	40	0	000		29.43			29.90	FM-15	0.00	29.91
10	1434	7	SCT:04 80	8.00		97	36.1	76	24.2	66	18.9	36	5	040		29.40				FM-16		29.88
10	1453	7	SCT:04 80	8.00		98	36.7	76	24.4	66	18.9	35	3	VRB		29.39			29.85	FM-15	0.00	29.87
10	1553	7	CLR:00	8.00		101	38.3	77	24.8	66	18.9	32	0	000		29.36	6	+0.11	29.83	FM-15	0.00	29.84
10	1653	7	CLR:00	10.00		100	37.8	75	24.1	64	17.8	31	5	VRB		29.33			29.80	FM-15	0.00	29.81
10	1753	7	CLR:00	10.00		99	37.2	75	23.9	64	17.8	32	0	000		29.33			29.80	FM-15	0.00	29.81
10	1853	7	SCT:04 160	9.00		97	36.1	76	24.2	66	18.9	36	7	VRB		29.35	5	+0.01	29.81	FM-15	0.00	29.83
10	1953	7	SCT:04 150	10.00		96	35.6	75	24.1	66	18.9	37	7	VRB		29.36			29.82	FM-15	0.00	29.84
10	2053	7	CLR:00	10.00		95	35.0	74	23.3	64	17.8	36	7	300		29.39			29.85	FM-15	0.00	29.87
10	2153	7	CLR:00	10.00		93	33.9	73	23.0	64	17.8	38	6	130		29.39	1	-0.04	29.86	FM-15	0.00	29.87
10	2253	7	CLR:00	10.00		92	33.3	71	21.7	60	15.6	34	10	320		29.39			29.85	FM-15	0.00	29.87
10	2353	7	CLR:00	10.00		91	32.8	70	21.0	58	14.4	33	13	330		29.38			29.85	FM-15	0.00	29.86

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
July 2018

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

Generated on 08/08/2018

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
08	0057	7	CLR:00	10.00		95	35.0	73	22.5	61	16.1	32	9	200		29.53		29.75	FM-15	0.00	29.76	
08	0157	7	CLR:00	10.00		93	33.9	72	22.2	61	16.1	34	10	160		29.54	3	-0.01	29.76	FM-15	0.00	29.77
08	0257	7	CLR:00	10.00		91	32.8	72	22.2	62	16.7	38	15	150		29.54		29.76	FM-15	0.00	29.77	
08	0357	7	CLR:00	10.00		91	32.8	72	22.2	62	16.7	38	10	140		29.55		29.76	FM-15	0.00	29.78	
08	0457	7	CLR:00	10.00		90	32.2	72	22.0	62	16.7	39	5	220		29.55	1	-0.01	29.77	FM-15	0.00	29.78
08	0557	7	CLR:00	10.00		88	31.1	72	22.0	63	17.2	43	7	150		29.58		29.80	FM-15	0.00	29.81	
08	0657	7	CLR:00	10.00		90	32.2	72	22.0	62	16.7	39	13	150		29.59		29.80	FM-15	0.00	29.82	
08	0757	6	CLR:00	10.00		93	33.9	73	22.8	63	17.2	37	14	160		29.61	1	-0.06	29.83	FM-15	0.00	29.84
08	0857	6	CLR:00	10.00		96	35.6	75	24.1	66	18.9	37	21	160		29.63		29.84	FM-15	0.00	29.86	
08	0957	6	CLR:00	10.00		96	35.6	75	24.1	66	18.9	37	14	170		29.62		29.84	FM-15	0.00	29.85	
08	1057	6	CLR:00	10.00		98	36.7	76	24.4	66	18.9	35	18	150		29.63	1	-0.01	29.84	FM-15	0.00	29.86
08	1157	7	CLR:00	10.00		101	38.3	75	24.0	63	17.2	29	14	160		29.61		29.83	FM-15	0.00	29.84	
08	1257	7	CLR:00	10.00		103	39.4	77	24.8	65	18.3	29	14	160		29.59		29.81	FM-15	0.00	29.82	
08	1357	7	CLR:00	10.00		105	40.6	76	24.2	62	16.7	25	11	180		29.57	8	+0.06	29.79	FM-15	0.00	29.80
08	1457	7	CLR:00	10.00		108	42.2	76	24.4	61	16.1	22	10	190	18	29.54		29.76	FM-15	0.00	29.77	
08	1557	7	CLR:00	10.00		109	42.8	76	24.3	60	15.6	20	6	240		29.51		29.72	FM-15	0.00	29.74	
08	1657	7	CLR:00	10.00		110	43.3	75	23.7	57	13.9	18	11	260		29.48	7	+0.09	29.69	FM-15	0.00	29.71
08	1757	7	CLR:00	10.00		108	42.2	76	24.6	62	16.7	23	14	250		29.49		29.71	FM-15	0.00	29.72	
08	1857	7	CLR:00	10.00		105	40.6	76	24.2	62	16.7	25	14	200		29.49		29.71	FM-15	0.00	29.72	
08	1957	7	CLR:00	10.00		100	37.8	74	23.5	62	16.7	29	11	190		29.50	1	-0.03	29.72	FM-15	0.00	29.73
08	2057	7	CLR:00	10.00		96	35.6	73	22.9	62	16.7	32	11	180		29.53		29.75	FM-15	0.00	29.76	
08	2157	7	CLR:00	10.00		94	34.4	72	22.1	60	15.6	32	9	180		29.52		29.74	FM-15	0.00	29.75	
08	2257	7	CLR:00	10.00		94	34.4	72	22.4	61	16.1	33	10	160		29.55	1	-0.04	29.76	FM-15	0.00	29.78
08	2357	7	CLR:00	10.00		93	33.9	72	22.2	61	16.1	34	15	160		29.56		29.78	FM-15	0.00	29.79	

July 9, 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 July 2018

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

Generated on 08/08/2018

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
09	0012	7	CLR:00	10.00	TS:7 TS TS	94	34.4	74	23.2	64	17.8	37	18	140	24	29.58				FM-16		29.81
09	0046	6	FEW:02 8	1.75	TS:7 HZ:7 TS HZ	92	33.3	75	23.8	67	19.4	44	37	120	47	29.66				FM-16		29.89
09	0052	7	VV:09 10	0.75	TS:7 HZ:7 FU TS TS HZ	90	32.0	74	23.2	66	19.0	46	32	100	47	29.67				FM-16		29.90
09	0057	6	VV:09 14	0.75	TS:7 -RA:02 RA TS RA	85	29.4	74	23.4	69	20.6	59	34	100	47	29.68		29.89		FM-15	T	29.91
09	0059	7	VV:09 16	1.00	TS:7 RA:02 RA TS TS RA	84	28.9	74	23.6	70	21.1	63	31	110	47	29.67				FM-16	T	29.90
09	0114	7	BKN:07 22 BKN:07 90 OVC:08 110	3.00	TS:7 -RA:02 RA TS TS RA	84	28.9	73	22.9	68	20.0	59	31	110	43	29.68				FM-16	T	29.91
09	0127	7	FEW:02 34 SCT:04 100	6.00	TS:7 HZ:7 FU TS TS HZ	85	29.4	74	23.4	69	20.6	59	23	120	36	29.70				FM-16	T	29.93
09	0157	7	FEW:02 110	10.00	TS:7 TS TS	86	30.0	74	23.6	69	20.6	57	23	130		29.67	0	-0.13	29.89	FM-15	T	29.90
09	0257	7	FEW:02 110	10.00	TS:7 -RA:02 RA TS TS RA	80	26.7	74	23.3	71	21.7	74	30	150	38	29.63		29.85		FM-15	0.07	29.86
09	0357	7	FEW:02 110	10.00	TS:7 -RA:02 RA TS TS RA	81	27.2	74	23.1	70	21.1	69	20	160		29.65		29.86		FM-15	0.01	29.88
09	0439	7	FEW:02 50 FEW:02 90 BKN:07 110	10.00	-RA:02 RA RA	82	27.8	73	22.9	69	20.6	65	6	120		29.69				FM-16	0.04	29.92
09	0447	7	BKN:07 110	10.00	TS:7 -RA:02 RA TS TS RA	81	27.2	74	23.1	70	21.1	69	0	000		29.70				FM-16	0.04	29.93
09	0457	7	BKN:07 110	10.00	TS:7 -RA:02 RA TS TS RA	81	27.2	74	23.4	71	21.7	72	3	110		29.70	3	-0.02	29.91	FM-15	0.04	29.93
09	0557	7	CLR:00	10.00	TS:7 TS TS	79	26.1	74	23.1	71	21.7	77	5	290		29.64		29.86		FM-15	0.01	29.87
09	0609	7	CLR:00	10.00		80	26.7	74	23.3	71	21.7	74	3	360		29.64				FM-16		29.87
09	0657	7	BKN:07 80 OVC:08 150	7.00		81	27.2	75	24.1	73	22.8	77	14	190		29.67		29.88		FM-15	0.00	29.90
09	0757	7	BKN:07 120 BKN:07 150	7.00		83	28.3	75	23.8	71	21.7	67	6	090		29.69	5	+0.01	29.91	FM-15	0.00	29.92
09	0857	7	BKN:07 120 BKN:07 150	7.00		87	30.6	77	25.1	73	22.8	63	9	120		29.70		29.92		FM-15	0.00	29.93
09	0957	7	SCT:04 150 BKN:07 180	7.00		91	32.8	75	24.0	68	20.0	47	14	170		29.71		29.93		FM-15	0.00	29.94
09	1057	7	SCT:04 180 BKN:07 200	7.00		93	33.9	75	23.7	66	18.9	41	8	150		29.71	1	-0.02	29.93	FM-15	0.00	29.94
09	1157	7	SCT:04 180 BKN:07 200	7.00		95	35.0	75	23.7	65	18.3	37	6	VRB		29.69		29.91		FM-15	0.00	29.92
09	1257	7	SCT:04 120 BKN:07 150	7.00		96	35.6	75	23.8	65	18.3	36	6	180		29.68		29.90		FM-15	0.00	29.91
09	1357	7	SCT:04 150 BKN:07 180	7.00		98	36.7	75	24.1	65	18.3	34	8	220		29.66	8	+0.05	29.87	FM-15	0.00	29.89
09	1457	7	SCT:04 150	7.00		100	37.8	76	24.7	66	18.9	33	8	200		29.63		29.85		FM-15	0.00	29.86
09	1557	7	SCT:04 150	7.00		101	38.3	76	24.5	65	18.3	31	9	200		29.59		29.80		FM-15	0.00	29.82
09	1657	7	CLR:00	10.00		102	38.9	76	24.7	65	18.3	30	7	200		29.57	6	+0.08	29.79	FM-15	0.00	29.80
09	1757	7	CLR:00	10.00		101	38.3	77	24.8	66	18.9	32	3	260		29.58		29.79		FM-15	0.00	29.81
09	1857	7	CLR:00	10.00		101	38.3	76	24.2	64	17.8	30	5	270		29.58		29.79		FM-15	0.00	29.81
09	1957	7	CLR:00	10.00		99	37.2	76	24.2	65	18.3	33	6	260		29.58	3	-0.01	29.80	FM-15	0.00	29.81
09	2042	6	FEW:02 12	1.75	HZ:7 HZ	90	32.2	73	22.9	65	18.3	44	34s	090	49	29.68				FM-16		29.91
09	2044	7	VV:09 10	0.75	HZ:7 FU HZ	88	31.1	73	22.6	65	18.3	46	41	090	51	29.69				FM-16		29.92
09	2050	7	VV:09 10	0.50s	-RA:02 s RA s RA s	85	29.4	74	23.1	68	20.0	57	39	080	51	29.69				FM-16	T	29.92
09	2055	6	SCT:04 10 BKN:07 95	1.25	-RA:02 RA RA	82	28.0	74	23.2	70	21.0	66	34	090	49	29.69				FM-16		29.92
09	2057	6	SCT:04 10 BKN:07 90	2.00	-RA:02 RA RA	82	27.8	73	22.9	69	20.6	65	36	090	49	29.69		29.91		FM-15	T	29.92

09	2112	7	SCT:04 27 BKN:07 90 OVC:08 110	2.50	VCTS:7 RA:02 RA RA	80	26.7	73	22.6	69	20.6	69	36	080	51	29.69				FM-16	0.01	29.92
09	2119	7	SCT:04 55 BKN:07 90 OVC:08 110	9.00	VCTS:7 -RA:02 RA RA	79s	26.1s	72	22.4	69	20.6	72	30	090	46	29.69				FM-16	0.01	29.92
09	2128	6	BKN:07 50 BKN:07 70 OVC:08 110	10.00		81	27.2	72	22.4	68	20.0	65	33	090	46	29.69				FM-16		29.92
09	2157	7	OVC:08 43	6.00	HZ:7 FU HZ	83	28.3	73	22.7	68	20.0	61	21	100	30	29.69			29.91	FM-15	0.01	29.92
09	2257	7	FEW:02 55 SCT:04 95	10.00		84	28.9	74	23.2	69	20.6	61	13	120		29.68	0	-0.10	29.91	FM-15	0.00	29.91
09	2357	7	FEW:02 55 SCT:04 110	10.00		84	28.9	74	23.6	70	21.1	63	3	210		29.67			29.89	FM-15	0.00	29.90

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						(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
10	0057	7	FEW:02 60	10.00		83	28.3	74	23.1	69	20.6	63	0	000		29.66			29.88	FM-15	0.00	29.89
10	0157	7	CLR:00	10.00		82	27.8	73	22.9	69	20.6	65	7	040		29.68	5	+0.01	29.89	FM-15	0.00	29.91
10	0257	7	CLR:00	10.00		80	26.7	74	23.3	71	21.7	74	7	050		29.69			29.91	FM-15	0.00	29.92
10	0357	7	CLR:00	10.00		81	27.2	74	23.4	71	21.7	72	7	020		29.70			29.92	FM-15	0.00	29.93
10	0457	7	CLR:00	10.00		80	26.7	73	22.9	70	21.1	71	8	040		29.70	0	-0.02	29.91	FM-15	0.00	29.93
10	0557	7	CLR:00	10.00		80	26.7	73	22.9	70	21.1	71	10	050		29.71			29.93	FM-15	0.00	29.94
10	0657	7	BKN:07 120 BKN:07 180	7.00		83	28.3	74	23.1	69	20.6	63	7	090		29.70			29.92	FM-15	0.00	29.93
10	0757	7	BKN:07 100 BKN:07 150	7.00		86	30.0	74	23.6	69	20.6	57	6	050		29.72	3	-0.02	29.93	FM-15	0.00	29.95
10	0857	7	BKN:07 100 BKN:07 160	7.00		87	30.6	74	23.1	67	19.4	51	0	000		29.73			29.95	FM-15	0.00	29.96
10	0957	7	BKN:07 100 BKN:07 160 BKN:07 210	7.00		90	32.2	75	23.9	68	20.0	48	6	040		29.73			29.95	FM-15	0.00	29.96
10	1057	7	BKN:07 80 BKN:07 160 BKN:07 210	7.00		90	32.2	74	23.5	67	19.4	47	0	000		29.73	0	-0.01	29.95	FM-15	0.00	29.96
10	1157	7	BKN:07 100 BKN:07 180	7.00		96	35.6	75	24.1	66	18.9	37	0	000		29.71			29.93	FM-15	0.00	29.94
10	1257	7	FEW:02 60 BKN:07 100 BKN:07 180	7.00		96	35.6	75	23.8	65	18.3	36	0	000		29.69			29.91	FM-15	0.00	29.92
10	1357	7	SCT:04 60 BKN:07 120	7.00		97	36.1	75	24.0	65	18.3	35	0	000		29.66	8	+0.07	29.87	FM-15	0.00	29.89
10	1457	7	SCT:04 60 BKN:07 150	7.00		98	36.7	75	24.1	65	18.3	34	8	090		29.63			29.85	FM-15	0.00	29.86
10	1557	7	SCT:04 60 BKN:07 150	7.00		99	37.2	75	24.0	64	17.8	32	6	070		29.60			29.81	FM-15	0.00	29.83
10	1657	7	CLR:00	10.00		98	36.7	76	24.4	66	18.9	35	9	230	21	29.57	6	+0.08	29.79	FM-15	0.00	29.80
10	1757	7	CLR:00	10.00		98	36.7	75	24.1	65	18.3	34	13	250		29.56			29.78	FM-15	0.00	29.79
10	1857	7	CLR:00	10.00		95	35.0	76	24.6	68	20.0	41	10	250		29.57			29.79	FM-15	0.00	29.80
10	1957	7	CLR:00	10.00		93	33.9	76	24.3	68	20.0	44	5	250		29.59	3	-0.01	29.80	FM-15	0.00	29.82
10	2057	7	CLR:00	10.00		91	32.8	75	23.7	67	19.4	45	8	150		29.61			29.83	FM-15	0.00	29.84
10	2157	7	CLR:00	10.00		91	32.8	75	23.7	67	19.4	45	5	170		29.62			29.84	FM-15	0.00	29.85
10	2257	7	CLR:00	10.00		90	32.2	75	23.8	68	20.0	48	7	180		29.62	0	-0.03	29.83	FM-15	0.00	29.85
10	2357	7	CLR:00	10.00		90	32.2	74	23.5	67	19.4	47	6	170		29.61			29.83	FM-15	0.00	29.84