APPENDIX A

ADEQ FORECAST PRODUCTS FOR MARICOPA COUNTY

MARICOPA COUNTY DUST CONTROL FORECAST

ISSUED Friday, August 16, 2013

Three-day weather outlook:

Phoenix will see daytime highs around 106-110°F through the middle of next week under partly cloudy skies. The monsoon pattern has returned to much of Arizona with high pressure centered over the Arizona-New Mexico border. Surface winds are forecast to be fairly light during the day, gusting near outflow from nearby thunderstorms. For now, the risk of exceeding the 24-hr PM10 health standard in Phoenix is forecast to be Low through at least Wednesday of next week.

R I S K F A C T O R S

	WINDS		STAGNATION		UNHEALTHY PM-10 RISK LEVEL
Day 1: Sat. 8/17/2013	Southwest winds around 5 mph are expected (20% chance of showers).	+	Stagnant conditions are expected, improving if precipitation occurs.	=	***LOW***
Day 2: Sun. 8/18/2013	Southwest winds around 5 mph are expected (20% chance of showers).	+	Stagnant conditions are expected, improving if precipitation occurs.	=	***LOW***
Day 3: Mon. 8/19/2013	West-northwest winds around 5 mph are expected (10% chance of showers).	+	Stagnant conditions are expected, improving if precipitation occurs.	=	***LOW***
EXTENDED OUTLOOK					
Day 4: Tue. 8/20/2013	West winds around 5 mph are expected.	+	Stagnant conditions are expected.	=	***LOW***
Day 5: Wed. 8/21/2013	Southwest winds between 5 and 10 mph are expected.	+	Stagnant conditions are expected.	=	***LOW***

The Maricopa County Dust Control Action Forecast is issued to assist in the planning of work activities to help reduce dust pollution. A recorded message of this forecast can be accessed at 602-771-2368. To review the complete air quality forecast for the Phoenix metropolitan area, as well as the health impacts and reduction methods for different air pollutants, call 602-771-2367 for recorded forecast information or click on ADEQ's Air Quality Forecast at http://www.azdeq.gov/environ/air/ozone/ensemble.pdf.

JRP 04/28/2011

ADEQ
Arizona Department of Environmental Quality

AQI AIR QUALITY INDEX

200
150
100
50

VERY UNHEALTHY (201-300)

UNHEALTHY (151-200)

UNHEALTHY FOR SENSITIVE GROUPS (101-150)

MODERATE (51-100)

GOOD (0-50)

For more information visit:
http://www.airnow.gov/index.cfm?action=aqibasics.aqi

LINK TO 2012 AIR POLLUTION EXCEEDANCE GRAPH

AIR QUALITY FORECAST FOR Saturday, August 17, 2013

This report is updated by 1:00 p.m. Sunday thru Friday and is valid
for areas within and bordering Maricopa County in Arizona

FORECAST DATE NOTICES (*SEE BELOW FOR DETAILS) AIR POLLUTANT	YESTERDAY Thu 08/15/2013 Dust Highest AQI Reading/Site (*Preliminary data only*)	TODAY Fri 08/16/2013 Ozone Health Watch Dust	TOMORROW Sat 08/17/2013 Dust	EXTENDED Sun 08/18/2013
O3*	111 Phoenix Supersite	93 *Moderate*	87 *Moderate*	77 *Moderate*
CO*	3 Greenwood & Phoenix Supersite	7 *Good*	5 *Good*	6 *Good*
PM-10*	54 Buckeye	70 *Moderate*	65 *Moderate*	50 *Good*
PM-2.5*	35 West Phoenix	45 *Good*	45 *Good*	30 *Good*

* O3 = Ozone CO = Carbon Monoxide PM-10 = Particles 10 microns & smaller PM-2.5 = Particles smaller than 2.5 microns

*"Ozone Health Watch" means that the highest concentration of OZONE may approach the federal health standard.
"PM-10 or PM-2.5 Health Watch" means that the highest concentration of PM-10 or PM-2.5 may approach the federal health standard.
"High Pollution Advisory" means that the highest concentration of OZONE, PM-10, or PM-2.5 may exceed the federal health standard.
"DUST" means that short periods of high PM-10 concentrations caused by outflow from thunderstorms are possible.

Health Statements	
Friday, 08/16/2013	**Unusually sensitive people should consider reducing prolonged or heavy exertion outdoors.**
Saturday, 08/17/2013	**Unusually sensitive people should consider reducing prolonged or heavy exertion outdoors.**

SYNOPSIS AND DISCUSSION

...AN OZONE HEALTH WATCH REMAINS IN EFFECT FOR TODAY, FRIDAY, AUGUST 16, 2013…

Phoenix will see daytime highs around 106-110°F through the middle of next week under partly cloudy skies. The monsoon pattern has returned to much of Arizona with high pressure centered over the Arizona-New Mexico border. Surface winds are forecast to be fairly light during the day, gusting near outflow from nearby thunderstorms. Thus, PM10 levels are forecast to reach the low to middle Moderate range through Saturday as a result.

Ozone levels made another last-gasp push into the Unhealthy for Sensitive Groups category on Thursday at the Phoenix Supersite and North Phoenix monitors, right on cue with the return of high pressure close the Four Corners area. The trapping of accumulating ozone concentrations will ease somewhat over the weekend, allowing maximum 8-hr levels to improve into the low to middle Moderate range. Lingering morning cloud cover from nighttime monsoon storms this weekend may also help to block ozone-forming sunlight during this period. Thus, we are allowing Friday's Ozone Health Watch to expire this evening with no further extension or escalation.

Check back on Sunday for a look ahead at next week's weather and air quality. Until then, have a great weekend! -J.Paul

MONITORING SITE MAPS	
STATIC MAP	http://azdeq.gov/environ/air/assessment/images/map.jpg
INTERACTIVE MAPS	http://alert.fcd.maricopa.gov/alert/Google/v3/air.html http://www.airnow.gov/

POLLUTION MONITOR READINGS FOR Thursday, August 15, 2013

O3 (OZONE)

Info on current 8-hour ozone standard: http://www.epa.gov/air/ozonepollution/pdfs/2008_03_aqi_changes.pdf
For archived AQI maps go to: http://www.airnow.gov/index.cfm?action=airnow.maps

SITE NAME	MAX 8-HR VALUE (PPB)	MAX AQI	AQI COLOR CODE
Alamo Lake	50	42	
Apache Junction	53	45	
Blue Point	65	67	
Buckeye	47	40	
Casa Grande	55	47	
Cave Creek	68	77	
Central Phoenix	69	80	
Dysart	70	84	
Falcon Field	66	71	
Fountain Hills	60	51	
Glendale	70	84	
Humboldt Mountain	61	54	
Phoenix Supersite	80	111	
Mesa	67	74	
North Phoenix	78	106	
Pinal Air Park	57	48	

Pinnacle Peak	68	77	
Queen Valley	58	49	
Rio Verde	52	44	
South Phoenix	63	61	
South Scottsdale	70	84	
Tempe	62	58	
Tonto Nat'l Mon.	53	45	
West Chandler	60	51	
West Phoenix	73	93	
Yuma	42	36	

CO (CARBON MONOXIDE)

SITE NAME	MAX 8-HR VALUE (PPM)	MAX AQI	AQI COLOR CODE
Central Phoenix	0.2	2	
Greenwood	0.3	3	
Phoenix Supersite	0.3	3	
West Phoenix	0.1	1	

PM-10 (PARTICLES)

SITE NAME	MAX 24-HR VALUE (µg/m3)	MAX AQI	AQI COLOR CODE
Buckeye	61.6	54	
Central Phoenix	29.0	26	
Combs School (Pinal County)	51.9	47	
Durango	36.4	33	
Dysart	38.5	35	
Glendale	31.0	28	
Greenwood	43.8	40	
Higley	35.4	32	
Maricopa (Pinal County)	40.4	37	
Phoenix Supersite	27.6	25	
Mesa	18.6	17	
North Phoenix	22.5	20	
South Phoenix	36.8	34	
South Scottsdale	28.9	26	
Tempe	25.3	23	
West Chandler	27.7	25	
West Forty Third	35.9	33	
West Phoenix	36.8	34	
Zuni Hills	32.8	30	

PM-2.5 (PARTICLES)

(Some data derived from light-scattering equipment)

For maps go to: **http://www.airnow.gov/**

SITE NAME	MAX 24-HR VALUE (µg/m3)	MAX AQI	AQI COLOR CODE
Durango	5.4	18	
Glendale	6.7	22	
Phoenix Supersite	6.5	21	
Mesa	4.8	16	
North Phoenix	8.5	28	
South Phoenix	6.8	22	
Tempe	5.1	17	
West Phoenix	10.7	35	

DESCRIPTION OF LOCAL AIR POLLUTANTS IN DETAIL

O3 (OZONE):

Description –
This is a secondary pollutant that is formed by the reaction of other primary pollutants (precursors) such as VOCs (volatile organic compounds) and NOx (Nitrogen Oxides) in the presence of heat and sunlight.
Sources – VOCs are emitted from motor vehicles, chemical plants, refineries, factories, and other industrial sources. NOx is emitted from motor vehicles, power plants, and other sources of combustion.
Potential health impacts – Exposure to ozone can make people more susceptible to respiratory infection, result in lung inflammation, and aggravate pre-existing respiratory diseases such as asthma. Other effects include decrease in lung function, chest pain, and cough.
Unit of measurement – Parts per billion (ppb).
Averaging interval – Highest eight-hour period within a 24-hour period (midnight to midnight)
Reduction tips – Curtail daytime driving, refuel cars and use gasoline-powered equipment as late in the day as possible.

CO (CARBON MONOXIDE):

Description – A colorless, odorless, poisonous gas formed when carbon in fuels is not burned completely.
Sources – In cities, as much as 95 percent of all CO emissions emanate from automobile exhaust. Other sources include industrial processes, non-transportation fuel combustion, and natural sources such as wildfires. Peak concentrations occur in colder winter months.
Potential health impacts – Reduces oxygen delivery to the body's organs and tissues. The health threat is most serious for those who suffer from cardiovascular disease.
Unit of measurement – Parts per million (ppm).
Averaging interval – Highest eight-hour period within a 24-hour period (midnight to midnight)
Reduction tips – Keep motor vehicle tuned properly and minimize nighttime driving.

PM-10 & PM-2.5 (PARTICLES):

Description – The term "particulate matter" (PM) includes both solid particles and liquid droplets found in air. Many manmade and natural sources emit PM directly or emit other pollutants that react in the atmosphere to form PM. Particles less than 10 micrometers in diameter tend to pose the greatest health concern because they can be inhaled into and accumulate in the respiratory system. Particles less than 2.5 micrometers in diameter are referred to as "fine" particles and are responsible for many visibility degradations such as the "Valley Brown Cloud" (see http://www.phoenixvis.net/). Particles with diameters between 2.5 and 10 micrometers are referred to as "coarse".
Sources – Fine = All types of combustion (motor vehicles, power plants, wood burning, etc.) and some industrial processes. Coarse = crushing or grinding operations and dust from paved or unpaved roads.
Potential health impacts – PM can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases, such as asthma and chronic bronchitis.
Units of measurement – Micrograms per cubic meter (ug/m3)
Averaging interval – 24 hours (midnight to midnight).
Reduction tips – Stabilize loose soils, slow down on dirt roads, carpool, and use public transit.

{**Updated 12/19/2011**}

APPENDIX B

NATIONAL WEATHER SERVICE METEOROLOGICAL OBSERVATIONS AND STORM REPORTS

AWS ID	WBAN ID	Name	Country	State	Latitude	Longitude	Elevation
720644	99999	BUCKEYE MUNI	UNITED STATES	ARIZONA	+33.417	-112.683	+0311.0 (meters)

USAF	WBAN	YR--MODAHRMN	DIR	SPD	GUS	CLG	SKC	L	M	H	VSB	MW	MW	MW	MW	AW	AW	AW	AW	W	TEMP	DEWP	SLP	ALT	STP	MAX	MIN	PCP01	PC
		GMT		MPH	MPH						Miles										F	F	Mb	inches	Mb	F	F	inches	in
720644	99999	201308170715	020	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	55	******	29.87	******	***	***	*****	**
720644	99999	201308170735	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	54	******	29.87	******	***	***	*****	**
720644	99999	201308170755	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	54	******	29.86	******	***	***	*****	**
720644	99999	201308170815	***	0	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	54	******	29.86	******	***	***	*****	**
720644	99999	201308170835	020	3	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	54	******	29.86	******	***	***	*****	**
720644	99999	201308170855	020	5	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	52	******	29.86	******	***	***	*****	**
720644	99999	201308170915	020	5	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	52	******	29.86	******	***	***	*****	**
720644	99999	201308170935	040	3	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	52	******	29.86	******	***	***	*****	**
720644	99999	201308170955	360	3	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	88	52	******	29.86	******	***	***	*****	**
720644	99999	201308171015	***	0	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	52	******	29.86	******	***	***	*****	**
720644	99999	201308171035	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	52	******	29.87	******	***	***	*****	**
720644	99999	201308171055	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	50	******	29.87	******	***	***	*****	**
720644	99999	201308171115	***	0	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	50	******	29.87	******	***	***	*****	**
720644	99999	201308171135	080	5	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	54	******	29.87	******	***	***	*****	**
720644	99999	201308171155	060	3	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	54	******	29.87	******	***	***	*****	**
720644	99999	201308171215	080	3	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	52	******	29.88	******	***	***	*****	**
720644	99999	201308171235	050	5	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	52	******	29.88	******	***	***	*****	**
720644	99999	201308171255	060	3	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	52	******	29.89	******	***	***	*****	**
720644	99999	201308171315	100	3	***	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	88	54	******	29.90	******	***	***	*****	**
720644	99999	201308171335	070	5	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	54	******	29.90	******	***	***	*****	**
720644	99999	201308171355	080	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	54	******	29.91	******	***	***	*****	**
720644	99999	201308171415	070	3	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	90	55	******	29.91	******	***	***	*****	**
720644	99999	201308171435	100	3	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	55	******	29.91	******	***	***	*****	**
720644	99999	201308171455	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	91	55	******	29.92	******	***	***	*****	**
720644	99999	201308171515	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	93	55	******	29.92	******	***	***	*****	**
720644	99999	201308171535	***	0	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	93	54	******	29.92	******	***	***	*****	**
720644	99999	201308171555	140	3	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	95	54	******	29.93	******	***	***	*****	**
720644	99999	201308171615	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	97	52	******	29.92	******	***	***	*****	**
720644	99999	201308171635	150	6	***	***	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	97	50	******	29.92	******	***	***	*****	**
720644	99999	201308171655	170	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	97	54	******	29.92	******	***	***	*****	**
720644	99999	201308171715	100	6	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	99	54	******	29.92	******	***	***	*****	**
720644	99999	201308171735	120	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	99	52	******	29.91	******	***	***	*****	**
720644	99999	201308171755	170	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	100	52	******	29.90	******	***	***	*****	**
720644	99999	201308171815	150	6	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	100	52	******	29.89	******	***	***	*****	**
720644	99999	201308171835	150	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	102	50	******	29.88	******	***	***	*****	**
720644	99999	201308171855	160	7	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	102	54	******	29.87	******	***	***	*****	**
720644	99999	201308171915	150	8	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	102	52	******	29.86	******	***	***	*****	**
720644	99999	201308171935	210	6	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	102	54	******	29.84	******	***	***	*****	**
720644	99999	201308171955	200	3	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	102	54	******	29.83	******	***	***	*****	**
720644	99999	201308172015	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	104	54	******	29.82	******	***	***	*****	**
720644	99999	201308172035	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	104	54	******	29.81	******	***	***	*****	**
720644	99999	201308172055	150	7	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	104	54	******	29.80	******	***	***	*****	**
720644	99999	201308172115	180	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	106	52	******	29.79	******	***	***	*****	**
720644	99999	201308172135	160	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	106	54	******	29.78	******	***	***	*****	**
720644	99999	201308172155	130	6	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	108	52	******	29.77	******	***	***	*****	**
720644	99999	201308172215	160	6	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	52	******	29.76	******	***	***	*****	**
720644	99999	201308172235	170	7	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.75	******	***	***	*****	**
720644	99999	201308172255	170	7	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.74	******	***	***	*****	**
720644	99999	201308172315	200	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.74	******	***	***	*****	**
720644	99999	201308172335	160	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.73	******	***	***	*****	**
720644	99999	201308172355	140	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.72	******	***	***	*****	**
720644	99999	201308180015	120	3	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	50	******	29.72	******	***	***	*****	**
720644	99999	201308180035	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	48	******	29.72	******	***	***	*****	**
720644	99999	201308180055	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	48	******	29.72	******	***	***	*****	**
720644	99999	201308180115	120	5	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	48	******	29.72	******	***	***	*****	**
720644	99999	201308180135	100	3	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	109	48	******	29.72	******	***	***	*****	**
720644	99999	201308180155	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	108	50	******	29.73	******	***	***	*****	**
720644	99999	201308180215	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	106	48	******	29.73	******	***	***	*****	**

720644	99999	201308180235	***	0	***	722	CLR	*	*	*	10.0	**	**	**	**	**	**	**	**	*	104	48	******	29.74	******	***	***	*****	**
720644	99999	201308180255	020	22	30	120	***	*	*	*	4.0	**	**	**	**	**	**	**	**	*	102	52	******	29.77	******	***	***	*****	**
720644	99999	201308180315	030	24	33	120	***	*	*	*	7.0	**	**	**	**	**	**	**	**	*	100	52	******	29.77	******	***	***	*****	**
720644	99999	201308180335	040	23	36	120	***	*	*	*	5.0	**	**	**	**	**	**	**	**	*	99	52	******	29.77	******	***	***	*****	**
720644	99999	201308180355	040	31	39	120	***	*	*	*	6.0	**	**	**	**	**	**	**	**	*	99	52	******	29.79	******	***	***	*****	**
720644	99999	201308180415	040	29	36	120	***	*	*	*	9.1	**	**	**	**	**	**	**	**	*	99	52	******	29.81	******	***	***	*****	**
720644	99999	201308180435	120	30	37	75	***	*	*	*	5.0	**	**	**	**	**	**	**	**	*	97	54	******	29.89	******	***	***	*****	**
720644	99999	201308180455	050	40	51	36	***	*	*	*	3.0	**	**	**	**	**	**	**	**	*	82	64	******	29.85	******	***	***	0.02	**
720644	99999	201308180515	050	29	40	120	***	*	*	*	8.0	**	**	**	**	**	**	**	**	*	82	64	******	29.84	******	***	***	*****	**
720644	99999	201308180535	050	22	30	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	88	61	******	29.87	******	***	***	*****	**
720644	99999	201308180555	080	20	29	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	88	63	******	29.89	******	***	***	*****	**
720644	99999	201308180615	070	29	41	***	***	*	*	*	8.0	**	**	**	**	**	**	**	**	*	88	59	******	29.88	******	***	***	*****	**
720644	99999	201308180635	070	30	38	120	***	*	*	*	7.0	**	**	**	**	**	**	**	**	*	90	59	******	29.88	******	***	***	*****	**
720644	99999	201308180655	090	18	36	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	88	59	******	29.89	******	***	***	*****	**
720644	99999	201308180715	090	18	25	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	63	******	29.89	******	***	***	*****	**
720644	99999	201308180735	100	20	32	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	86	63	******	29.88	******	***	***	*****	**
720644	99999	201308180755	090	16	21	120	***	*	*	*	10.0	**	**	**	**	**	**	**	**	*	84	63	******	29.88	******	***	***	*****	**

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
LUKE AFB AIRPORT (23111)
GLENDALE, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1085 ft. above sea level
Latitude: 33.55
Longitude: -112.366
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0058	0	CLR	10.00		96	35.3	71	21.4	57	13.9	27	0	000		28.71			29.80	AA		29.86
17	0158	0	CLR	10.00		95	35.0	70	21.3	57	14.0	28	3	130		28.71			29.80	AA		29.86
17	0258	0	SCT170	10.00		94	34.4	71	21.6	59	14.8	31	2	100		28.70			29.80	AA		29.85
17	0358	0	FEW190	10.00		91	32.5	70	21.2	59	14.8	34	0	000		28.71			29.81	AA		29.86
17	0458	0	FEW190	10.00		88	30.9	70	21.2	61	15.9	40	3	340		28.71			29.82	AA		29.87
17	0558	0	BKN210	10.00		87	30.8	71	21.4	62	16.7	43	3	060		28.74			29.84	AA		29.89
17	0658	0	CLR	10.00		88	31.3	70	21.3	61	16.1	40	5	310		28.74			29.85	AA		29.90
17	0758	0	CLR	10.00		91	32.8	71	21.5	60	15.7	35	3	070		28.76			29.87	AA		29.92
17	0858	0	CLR	10.00		94	34.5	72	21.9	60	15.4	32	3	020		28.76			29.87	AA		29.92
17	0958	0	CLR	10.00		97	36.3	72	22.4	60	15.4	29	0	000		28.76			29.87	AA		29.92
17	1058	0	CLR	10.00		101	38.1	73	22.5	58	14.7	24	1	VR		28.74			29.85	AA		29.90
17	1158	0	CLR	10.00		103	39.7	73	22.7	58	14.3	23	5	120		28.71			29.81	AA		29.86
17	1258	0	CLR	10.00		106	40.9	74	23.2	58	14.2	21	6	VR		28.67			29.77	AA		29.82
17	1358	0	CLR	10.00		107	41.6	74	23.1	57	14.0	19	5	280		28.64			29.74	AA		29.79
17	1458	0	CLR	10.00		109	42.7	74	23.1	56	13.4	18	13	210		28.61			29.70	AA		29.76
17	1558	0	CLR	10.00		110	43.2	73	22.6	53	11.8	15	8	260		28.58			29.68	AA		29.73
17	1658	0	CLR	10.00		110	43.4	72	22.3	52	11.3	15	5	250		28.57			29.67	AA		29.72
17	1758	0	CLR	10.00		109	43.0	72	22.2	52	11.2	15	2	VR		28.57			29.67	AA		29.72
17	1858	0	CLR	9.00		108	42.3	72	22.0	52	11.0	16	21	360	22	28.59			29.69	AA		29.74
17	1908	0	CLR	4.00	HZ	102	39.0	72	22.3	57	14.0	23	26	020	34	28.59			M	AA	T	29.74
17	1918	0	FEW200	7.00		100	38.0	72	22.0	57	14.0	24	23	020	33	28.60			M	AA	T	29.75
17	1928	0	SCT200	2.50	-DZ	99	37.0	72	22.4	59	15.0	27	31	020	44	28.61			M	AA	T	29.76
17	1948	0	FEW200	5.00	HZ	99	37.0	72	22.4	59	15.0	27	31	020	40	28.61			M	AA	T	29.76
17	1958	0	CLR	8.00		98	36.6	71	21.7	57	13.9	26	30	010	41	28.63			29.73	AA	T	29.78
17	2008	0	FEW140 SCT170	4.00	HZ	99	37.0	71	21.9	57	14.0	25	34	020	46	28.62			M	AA		29.77
17	2028	0	FEW140 BKN190	5.00	HZ	97	36.0	71	21.6	57	14.0	26	37	020	46	28.64			M	AA		29.79
17	2048	0	FEW190	4.00	HZ	95	35.0	71	21.8	59	15.0	30	33	030	47	28.65			M	AA		29.80
17	2058	0	CLR	2.50	-DZ	95	35.0	70	21.3	57	14.0	28	33	030	45	28.66			29.76	AA		29.81
17	2118	0	FEW190	10.00		93	34.0	70	20.9	57	14.0	30	28	020	41	28.68			M	AA	0.01	29.83
17	2145	0	SCT130 BKN180	10.00		93	34.0	71	21.5	59	15.0	32	18	070	31	28.74			M	AA	0.01	29.89
17	2158	0	BKN120 OVC180	10.00		95	35.0	70	21.3	57	14.0	28	11	110	23	28.76			29.87	AA	0.01	29.92
17	2233	0	SCT140 BKN160	10.00	-TSRA	91	33.0	71	21.7	61	16.0	37	10	090		28.78			M	AA	T	29.94
17	2256	0	SCT120	10.00	-DZ	93	34.0	71	21.5	59	15.0	32	16	050		28.78			M	AA	T	29.94
17	2258	0	SCT120	10.00	-DZ	93	34.0	71	21.5	59	15.0	32	15	060		28.78			29.89	AA	T	29.94
17	2348	0	BKN025	10.00	-RA	86	30.0	74	23.1	68	20.0	55	8	070		28.78			M	AA	0.01	29.94
17	2358	0	BKN034	10.00	-RA	86	30.0	75	23.8	70	20.9	59	16	070		28.78			29.89	AA	0.01	29.94

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
PHOENIX GOODYEAR AIRPORT (03186)
GOODYEAR, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 968 ft. above sea level
Latitude: 33.416
Longitude: -112.383
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0547	0	BKN180 BKN250	10.00		90	32.0	72	22.2	63	17.0	41	6	120		28.87			M	AA		29.90
17	0647	0	BKN180 BKN250	10.00		91	33.0	72	22.3	63	17.0	39	0	000		28.89			M	AA		29.92
17	0747	0	BKN200 BKN250	10.00		91	33.0	73	22.6	64	18.0	41	5	VR		28.90			M	AA		29.93
17	0847	0	BKN200	10.00		93	34.0	74	23.6	66	19.0	41	6	VR		28.91			M	AA		29.94
17	0947	0	SCT200	10.00		97	36.0	74	23.2	63	17.0	33	5	140		28.91			M	AA		29.94
17	1047	0	BKN200	10.00		100	38.0	75	23.7	63	17.0	30	3	VR		28.89			M	AA		29.92
17	1147	0	FEW180 SCT250	10.00		104	40.0	76	24.2	63	17.0	26	5	VR		28.85			M	AA		29.88
17	1247	0	SCT080	10.00		108	42.0	77	25.0	64	18.0	24	6	VR		28.81			M	AA		29.84
17	1347	0	FEW090	10.00		109	43.0	78	25.7	66	19.0	25	6	VR		28.78			M	AA		29.81
17	1447	0	FEW090	10.00		109	43.0	78	25.7	66	19.0	25	7	VR		28.75			M	AA		29.78
17	1547	0	SCT090	10.00		109	43.0	78	25.7	66	19.0	25	7	VR		28.72			M	AA		29.75
17	1647	0	SCT090 SCT200	10.00		111	44.0	78	25.4	64	18.0	22	9	280		28.70			M	AA		29.73
17	1747	0	SCT090 SCT200	10.00		109	43.0	77	25.1	64	18.0	23	7	VR		28.70			M	AA		29.73
17	1847	0	SCT090 SCT200	10.00		109	43.0	77	25.1	64	18.0	23	6	VR		28.71			M	AA		29.74
17	1947	0	SCT090 BKN200	30.00s	BLDU	100	38.0	76	24.5	66	19.0	33	23	020	40	28.74			M	AA		29.77
17	2047	0	SCT090 BKN200	3.00	BLDU	99	37.0	75	23.8	64	18.0	32	23	010	34	28.77			M	AA		29.80

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
GLENDALE MUNICIPAL AIRPORT (53126)
GLENDALE, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1066 ft. above sea level
Latitude: 33.527
Longitude: -112.295
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0647	0	SCT150 BKN200	20.00		91	33.0	69	20.6	57	14.0	32	5	100		28.78			M	AA		29.92
17	0750	0	SCT150 BKN200	20.00		93	34.0	71	21.5	59	15.0	32	3	VR		28.79			M	AA		29.93
17	0847	0	SCT150 BKN200	20.00		97	36.0	73	22.7	61	16.0	30	5	VR		28.79			M	AA		29.93
17	0947	0	SCT150 BKN200	20.00		99	37.0	72	21.9	57	14.0	25	3	VR		28.80			M	AA		29.94
17	1047	0	SCT150 SCT200	20.00		102	39.0	72	22.4	57	14.0	23	5	130		28.78			M	AA		29.92
17	1147	0	FEW120 SCT150 SCT200	20.00		104	40.0	73	22.6	57	14.0	21	3	150		28.74			M	AA		29.88
17	1255	0	FEW150	20.00		106	41.0	73	22.9	57	14.0	20	5	VR		28.71			M	AA		29.84
17	1347	0	FEW080 FEW150	20.00		108	42.0	74	23.2	57	14.0	19	6	130		28.67			M	AA		29.80
17	1447	0	FEW080 FEW150	20.00		109	43.0	73	22.6	54	12.0	16	7	150		28.65			M	AA		29.78
17	1547	0	FEW080 FEW150	20.00		111	44.0	73	22.9	54	12.0	15	5	140		28.62			M	AA		29.75
17	1647	0	FEW080 FEW150	20.00		111	44.0	73	22.5	52	11.0	14	6	240		28.61			M	AA		29.74
17	1747	0	FEW080 SCT150	20.00		111	44.0	73	22.5	52	11.0	14	6	190		28.60			M	AA		29.73
17	1847	0	SCT080 BKN150 BKN250	20.00		109	43.0	71	21.8	50	10.0	14	8	310		28.61			M	AA		29.74

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
PHOENIX SKY HARBOR INTL AIRPORT (23183)
PHOENIX, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1107 ft. above sea level
Latitude: 33.427
Longitude: -112.003
Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0051	11	FEW120 SCT250	10.00		95	35.0	70	21.3	57	13.9	28	10	090		28.69			29.79	AA		29.86
17	0151	11	FEW120 SCT250	10.00		94	34.4	71	21.6	59	15.0	31	7	090		28.69			29.79	AA		29.86
17	0251	11	SCT120 SCT250	10.00		93	33.9	71	21.8	60	15.6	33	5	120		28.68			29.78	AA		29.85
17	0351	11	SCT120 SCT250	10.00		94	34.4	71	21.6	59	15.0	31	5	180		28.69			29.79	AA		29.86
17	0451	11	SCT120 SCT250	10.00		94	34.4	71	21.4	58	14.4	30	3	180		28.69			29.80	AA		29.87
17	0551	11	BKN210	10.00		93	33.9	70	20.9	57	13.9	30	0	000		28.70			29.81	AA		29.88
17	0651	11	SCT120 BKN170 BKN220	10.00		91	32.8	71	21.5	60	15.6	35	9	140		28.72			29.83	AA		29.90
17	0751	11	FEW120 BKN170 BKN220	10.00		92	33.3	71	21.6	60	15.6	34	10	130		28.74			29.85	AA		29.92
17	0851	11	FEW120 SCT180 SCT250	10.00		94	34.4	72	21.9	60	15.6	32	8	090		28.74			29.85	AA		29.92
17	0951	11	FEW120 FEW180 SCT250	10.00		99	37.2	73	22.7	60	15.6	28	7	110		28.74			29.85	AA		29.92
17	1051	11	FEW120 FEW180 SCT250	10.00		102	38.9	72	22.3	57	13.9	23	3	060		28.71			29.82	AA		29.89
17	1151	11	FEW120 FEW180 SCT250	10.00		104	40.0	72	22.2	55	12.8	20	6	230		28.69			29.79	AA		29.86
17	1251	11	FEW120 FEW250	10.00		107	41.7	73	22.6	55	12.8	18	5	VR		28.65			29.75	AA		29.82
17	1351	11	FEW120 FEW250	10.00		108	42.2	73	22.5	54	12.2	17	5	290		28.62			29.72	AA		29.79
17	1451	11	FEW090 FEW120 SCT250	10.00		112	44.4	73	22.6	52	11.1	14	6	170		28.58			29.68	AA		29.75
17	1551	11	FEW090 FEW120 SCT250	10.00		112	44.4	72	22.2	50	10.0	13	7	VR		28.56			29.65	AA		29.73
17	1651	11	FEW100 FEW120 SCT250	10.00		112	44.4	72	22.2	50	10.0	13	5	VR		28.54			29.64	AA		29.71
17	1751	11	FEW100 FEW120 SCT250	10.00		110	43.3	71	21.5	48	8.9	13	3	VR		28.54			29.64	AA		29.71
17	1851	11	FEW110 SCT190 SCT250	10.00		110	43.3	70	21.3	47	8.3	12	3	080		28.56			29.66	AA		29.73
17	1951	11	FEW090 SCT120 SCT150	10.00		100	37.8	70	21.3	54	12.2	21	15	040	29	28.60			29.70	AA	T	29.77
17	2051	11	SCT120 SCT150 SCT190	10.00		100	37.8	70	21.1	53	11.7	21	17	050	24	28.63			29.74	AA		29.80
17	2147	11	BKN120CB BKN150 BKN250	10.00	TS	97	36.0	70	21.1	55	13.0	24	10	100	23	28.71			M	SP		29.89
17	2151	11	BKN120CB BKN150 BKN250	10.00	-TSRA	96	35.6	72	22.0	59	15.0	29	10	090		28.72			29.83	AA	T	29.90
17	2227	11	BKN120 BKN150 BKN250	10.00		89	31.7	73	22.9	66	18.9	47	9	250		28.75			M	SP		29.93
17	2251	11	BKN120 BKN150 OVC250	10.00	-RA	93	33.9	71	21.5	59	15.0	32	16	090	22	28.77			29.88	AA	T	29.95
17	2306	11	BKN120 BKN150 OVC250	10.00	-RA	91	32.8	72	22.3	63	17.2	39	18	070		28.76			M	SP		29.94
17	2351	11	BKN120 BKN150 OVC250	10.00		88	31.1	71	21.5	62	16.7	42	13	030		28.76			29.88	AA	T	29.94

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
SCOTTSDALE AIRPORT (03192)
SCOTTSDALE, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1473 ft. above sea level
Latitude: 33.622
Longitude: -111.910
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0053	12	CLR	10.00		93	33.9	70	21.2	58	14.4	31	3	070		28.32			29.82	AA		29.92
17	0153	12	CLR	10.00		93	33.9	70	21.2	58	14.4	31	0	000		28.31			29.81	AA		29.91
17	0253	12	CLR	10.00		92	33.3	70	21.3	59	15.0	33	0	000		28.30			29.80	AA		29.90
17	0353	12	CLR	10.00		92	33.3	70	21.0	58	14.4	32	0	000		28.30			29.80	AA		29.90
17	0453	12	CLR	10.00		90	32.2	70	21.2	60	15.6	37	3	210		28.31			29.82	AA		29.91
17	0553	12	CLR	10.00		89	31.7	70	20.8	59	15.0	36	3	090		28.33			29.84	AA		29.93
17	0653	12	CLR	10.00		89	31.7	70	21.1	60	15.6	38	3	110		28.35			29.85	AA		29.95
17	0753	12	CLR	10.00		91	32.8	71	21.4	60	15.6	35	3	170		28.36			29.87	AA		29.96
17	0853	12	CLR	10.00		93	33.9	71	21.4	59	15.0	32	5	170		28.36			29.87	AA		29.96
17	0953	12	CLR	10.00		96	35.6	72	21.9	59	15.0	29	0	000		28.36			29.87	AA		29.96
17	1053	12	CLR	10.00		100	37.8	72	22.0	57	13.9	24	5	310		28.34			29.84	AA		29.94
17	1153	12	CLR	10.00		102	38.9	72	22.3	57	13.9	23	3	320		28.31			29.81	AA		29.91
17	1253	12	CLR	10.00		104	40.0	73	22.6	57	13.9	21	6	VR		28.27			29.77	AA		29.86
17	1353	12	CLR	10.00		106	41.1	72	22.4	55	12.8	19	6	200		28.24			29.73	AA		29.83
17	1453	12	CLR	10.00		107	41.7	72	22.0	53	11.7	17	0	000		28.22			29.71	AA		29.81
17	1553	12	CLR	10.00		108	42.2	72	22.0	52	11.1	16	7	VR		28.19			29.68	AA		29.78
17	1653	12	CLR	10.00		108	42.2	72	22.0	52	11.1	16	0	000		28.18			29.67	AA		29.77
17	1753	12	CLR	10.00		108	42.2	71	21.8	51	10.6	15	0	000		28.18			29.67	AA		29.77
17	1845	12	CLR	1.75	HZ	102	39.0	71	21.8	55	13.0	21	30s	060	41	28.21			M	SP		29.80
17	1851	12	CLR	2.00	HZ	102	39.0	71	21.8	55	13.0	21	22	060	41	28.21			M	SP		29.80
17	1853	12	CLR	3.00	HZ	102	38.9	71	21.8	55	12.8	21	25	070	39	28.21			29.71	AA		29.80
17	1953	12	CLR	10.00		97	36.1	70	21.0	55	12.8	24	22	030	37	28.23			29.72	AA		29.82
17	2053	12	CLR	10.00		96	35.6	69	20.6	54	12.2	24	13	030	25	28.26			29.76	AA		29.85
17	2153	12	BKN110	10.00		94	34.4	69	20.3	54	12.2	26	16	070	24	28.34			29.85	AA		29.94
17	2243	12	SCT100 OVC120	9.00	TSRA	86	30.0	71	21.8	64	18.0	48	10	070		28.39			M	SP		29.99
17	2253	12	SCT060 SCT095 OVC120	9.00	-TSRA	86	30.0	71	21.5	63	17.2	46	16	070	26	28.40			29.91	AA	0.02	30.00
17	2303	12	SCT055 BKN070 OVC120	10.00	-RA	84	29.0	71	21.5	64	18.0	51	6	170	20	28.40			M	SP		30.00
17	2353	12	CLR	10.00		84	28.9	72	22.1	66	18.9	55	3	180		28.40			29.91	AA	T	30.00

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
PHOENIX DEER VALLEY ARPT (03184)
PHOENIX, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1455 ft. above sea level
Latitude: 33.688
Longitude: -112.081
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0053	12	CLR	10.00		94	34.4	70	21.1	57	13.9	29	6	080		28.33			29.80	AA		29.89
17	0153	12	CLR	10.00		92	33.3	70	21.0	58	14.4	32	3	100		28.33			29.79	AA		29.89
17	0253	12	CLR	10.00		91	32.8	70	20.8	58	14.4	33	6	050		28.32			29.79	AA		29.88
17	0353	12	CLR	10.00		91	32.8	70	20.8	58	14.4	33	7	060		28.32			29.79	AA		29.88
17	0453	12	CLR	10.00		89	31.7	69	20.5	58	14.4	35	0	000		28.34			29.80	AA		29.90
17	0553	12	CLR	10.00		89	31.7	69	20.5	58	14.4	35	0	000		28.35			29.82	AA		29.91
17	0653	12	CLR	10.00		90	32.2	69	20.7	58	14.4	34	3	070		28.37			29.83	AA		29.93
17	0753	12	CLR	10.00		92	33.3	70	21.3	59	15.0	33	6	100		28.38			29.85	AA		29.94
17	0853	12	CLR	10.00		94	34.4	70	21.3	58	14.4	30	6	090		28.38			29.86	AA		29.95
17	0953	12	CLR	10.00		97	36.1	71	21.8	58	14.4	27	5	190		28.38			29.85	AA		29.94
17	1053	12	CLR	10.00		99	37.2	71	21.3	55	12.8	23	0	000		28.36			29.83	AA		29.92
17	1153	12	CLR	10.00		101	38.3	71	21.6	55	12.8	22	5	VR		28.33			29.80	AA		29.89
17	1253	12	CLR	10.00		105	40.6	73	22.5	56	13.3	20	8	140		28.28			29.75	AA		29.84
17	1353	12	CLR	10.00		105	40.6	73	22.5	56	13.3	20	5	VR		28.25			29.72	AA		29.81
17	1453	12	CLR	10.00		107	41.7	72	22.1	53	11.7	17	8	210		28.23			29.69	AA		29.79
17	1553	12	CLR	10.00		107	41.7	72	22.0	53	11.7	17	7	240	17	28.20			29.67	AA		29.76
17	1653	12	CLR	10.00		108	42.2	72	22.0	52	11.1	16	7	190		28.20			29.66	AA		29.75
17	1753	12	CLR	10.00		107	41.7	71	21.8	52	11.1	16	7	260		28.20			29.66	AA		29.75
17	1853	12	FEW120	10.00		103	39.4	71	21.5	53	11.7	19	16	040	29	28.23			29.70	AA		29.79
17	1953	12	FEW120	10.00		97	36.1	70	21.3	56	13.3	25	16	010	25	28.26			29.72	AA	T	29.82
17	2006	12	FEW120	10.00		97	36.0	70	21.0	55	13.0	24	24	360	31	28.26			M	SP		29.82
17	2053	12	CLR	10.00		94	34.4	69	20.5	55	12.8	27	24	030	33	28.29			29.76	AA		29.85
17	2153	12	CLR	10.00		92	33.3	68	20.0	54	12.2	28	14	080	33	28.36			29.83	AA		29.92
17	2253	12	FEW120	10.00		93	33.9	68	20.1	54	12.2	27	8	090		28.40			29.87	AA		29.96
17	2353	12	SCT120	10.00		88	31.1	69	20.4	58	14.4	36	11	130		28.40			29.88	AA		29.97

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
WILLIAMS GATEWAY AIRPORT (23104)
PHOENIX, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1382 ft. above sea level
Latitude: 33.3
Longitude: -111.666
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0015	0	CLR	10.00		90	32.0	68	19.9	55	13.0	31	5	060		28.46			M	AA		29.92
17	0035	0	CLR	10.00		90	32.0	68	19.9	55	13.0	31	5	060		28.45			M	AA		29.91
17	0055	0	CLR	10.00		90	32.0	68	19.9	55	13.0	31	5	050		28.45			M	AA		29.91
17	0115	0	CLR	10.00		90	32.0	68	19.9	55	13.0	31	10	190		28.45			M	AA		29.91
17	0135	0	CLR	10.00		88	31.0	67	19.6	55	13.0	33	0	000		28.45			M	AA		29.91
17	0155	0	CLR	10.00		88	31.0	67	19.6	55	13.0	33	0	000		28.45			M	AA		29.91
17	0215	0	CLR	10.00		88	31.0	67	19.6	55	13.0	33	3	150		28.44			M	AA		29.90
17	0235	0	CLR	10.00		88	31.0	67	19.6	55	13.0	33	0	000		28.44			M	AA		29.90
17	0255	0	CLR	10.00		86	30.0	68	19.7	57	14.0	37	6	160		28.44			M	AA		29.90
17	0315	0	CLR	10.00		86	30.0	68	19.7	57	14.0	37	6	170		28.44			M	AA		29.90
17	0335	0	CLR	10.00		86	30.0	68	19.7	57	14.0	37	6	170		28.44			M	AA		29.90
17	0355	0	CLR	10.00		86	30.0	67	19.2	55	13.0	35	7	170		28.45			M	AA		29.91
17	0415	0	CLR	10.00		86	30.0	67	19.2	55	13.0	35	7	150		28.45			M	AA		29.91
17	0435	0	CLR	10.00		86	30.0	67	19.2	55	13.0	35	5	180		28.45			M	AA		29.91
17	0447	0	CLR150 CLR250	20.00		88	31.0	M	M	57	14.0	M	7	120		M			M	AA		29.92
17	0455	0	CLR	10.00		86	30.0	67	19.2	55	13.0	35	6	160		28.46			M	AA		29.92
17	0515	0	CLR	10.00		86	30.0	68	19.7	57	14.0	37	5	120		28.46			M	AA		29.93
17	0535	0	CLR	10.00		86	30.0	68	19.7	57	14.0	37	6	090		28.46			M	AA		29.93
17	0547	0	SCT150 BKN250	20.00		84	29.0	67	19.4	57	14.0	40	6	090		28.46			M	AA		29.93
17	0647	0	BKN200	35.00		88	31.0	68	20.1	57	14.0	35	9	090		28.49			M	AA		29.96
17	0750	0	BKN200	35.00		91	33.0	71	21.7	61	16.0	37	7	120		28.50			M	AA		29.97
17	0847	0	BKN200	35.00		93	34.0	70	20.9	57	14.0	30	7	110		28.50			M	AA		29.97
17	0947	0	SCT200	35.00		99	37.0	71	21.9	57	14.0	25	5	VR		28.50			M	AA		29.97
17	1047	0	SCT200	30.00		99	37.0	70	21.1	54	12.0	22	3	VR		28.48			M	AA		29.94
17	1147	0	SCT200	30.00		100	38.0	70	21.3	54	12.0	21	8	140		28.45			M	AA		29.91
17	1247	0	FEW120 SCT200	30.00		104	40.0	71	21.4	52	11.0	18	6	180		28.41			M	AA		29.87
17	1347	0	FEW120 SCT200	30.00		106	41.0	70	20.9	48	9.0	14	9	280		28.38			M	AA		29.84
17	1447	0	FEW120 SCT200	30.00		108	42.0	71	21.6	50	10.0	14	9	270		28.35			M	AA		29.81
17	1547	0	FEW120 SCT200	30.00		108	42.0	71	21.6	50	10.0	14	6	310		28.32			M	AA		29.78
17	1647	0	FEW120 SCT200	30.00		108	42.0	70	21.2	48	9.0	13	6	290		28.31			M	AA		29.77
17	1750	0	SCT080 BKN200	30.00		108	42.0	69	20.8	46	8.0	12	6	300		28.30			M	AA		29.76
17	1847	0	SCT080 BKN200	6.00	BLDU	106	41.0	70	20.8	48	9.0	14	24	020	32	28.32			M	AA		29.78
17	1947	0	CLR080 CLR200	20.00		99	37.0	M	M	52	11.0	M	17	050	31	M			M	AA		29.80
17	1955	0	CLR	10.00		99	37.0	68	20.2	50	10.0	19	22	050	28	28.33			M	AA		29.79
17	2015	0	CLR	10.00		99	37.0	68	20.2	50	10.0	19	11	050	23	28.34			M	AA		29.80
17	2035	0	CLR	7.00		99	37.0	69	20.6	52	11.0	21	17	150	24	28.41			M	AA		29.87
17	2047	0	CLR007	2.00		99	37.0	M	M	54	12.0	M	21	130	26	M			M	AA		29.87
17	2055	0	CLR	2.00	-RA	91	33.0	70	21.1	59	15.0	34	16	140	31	28.43			M	AA		29.89
17	2105	0	SCT080 BKN200	5.00		91	33.0	70	21.1	59	15.0	34	16	100	24	28.44			M	AA		29.90
17	2115	0	CLR	10.00		93	34.0	69	20.4	55	13.0	28	15	090	22	28.44			M	AA		29.90
17	2135	0	CLR	10.00		93	34.0	71	21.5	59	15.0	32	18	100	26	28.45			M	AA		29.91
17	2147	0	CLR080 CLR200	3.00		93	34.0	M	M	57	14.0	M	23	090	31	M			M	AA		29.91
17	2155	0	CLR	7.00		90	32.0	70	21.0	59	15.0	35	21	100	33	28.46			M	AA		29.92
17	2215	0	CLR	10.00		88	31.0	68	20.1	57	14.0	35	10	190	16	28.49			M	AA		29.96
17	2235	0	CLR	10.00	-RA	88	31.0	68	20.1	57	14.0	35	7	100		28.51			M	AA		29.98
17	2247	0	CLR080 CLR200	20.00		88	31.0	M	M	57	14.0	M	7	120		M			M	AA		29.99
17	2255	0	CLR	10.00		90	32.0	68	19.9	55	13.0	31	9	120		28.53			M	AA		30.00
17	2315	0	CLR	10.00	-RA	88	31.0	67	19.6	55	13.0	33	0	000		28.53			M	AA		30.00
17	2335	0	CLR	10.00	-RA	86	30.0	70	20.9	61	16.0	43	11	040		28.51			M	AA		29.98
17	2347	0	CLR080 CLR200	20.00		88	31.0	M	M	61	16.0	M	14	030	18	M			M	AA		29.98
17	2355	0	CLR	10.00	-RA	84	29.0	69	20.6	61	16.0	46	18	020		28.50			M	AA		29.97

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
CHANDLER MUNICIPAL AIRPORT (53128)
CHANDLER, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1243 ft. above sea level
Latitude: 33.268
Longitude: -111.812
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
						(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
17	0547	0	SCT180 BKN250	40.00		88	31.0	69	20.7	59	15.0	38	7	180		28.59			M	AA		29.91
17	0647	0	BKN180	40.00		90	32.0	71	21.6	61	16.0	38	0	000		28.61			M	AA		29.93
17	0747	0	BKN180	40.00		90	32.0	72	22.2	63	17.0	41	7	080		28.62			M	AA		29.94
17	0847	0	BKN180	40.00		93	34.0	72	22.0	61	16.0	34	5	040		28.62			M	AA		29.94
17	0947	0	SCT180	40.00		97	36.0	72	22.1	59	15.0	28	5	VR		28.62			M	AA		29.94
17	1047	0	FEW180	40.00		100	38.0	73	22.5	59	15.0	26	3	VR		28.60			M	AA		29.92
17	1147	0	FEW180	40.00		104	40.0	73	22.6	57	14.0	21	5	VR		28.57			M	AA		29.89
17	1247	0	SCT150	40.00		104	40.0	72	22.1	55	13.0	20	7	160		28.53			M	AA		29.85
17	1350	0	FEW150	40.00		106	41.0	72	22.4	55	13.0	19	9	240		28.49			M	AA		29.81
17	1447	0	FEW120 SCT250	40.00		108	42.0	73	22.7	55	13.0	17	10	230		28.46			M	AA		29.78
17	1547	0	FEW120 SCT250	35.00		109	43.0	73	22.6	54	12.0	16	8	240		28.43			M	AA		29.75
17	1650	0	FEW120 FEW200	30.00		109	43.0	72	22.2	52	11.0	15	6	VR		28.43			M	AA		29.74
17	1747	0	FEW120 SCT200	30.00		109	43.0	71	21.7	50	10.0	14	6	270		28.42			M	AA		29.73
17	1850	0	SCT100 BKN200	25.00		108	42.0	71	21.6	50	10.0	14	6	360		28.43			M	AA		29.75
17	1947	0	SCT100 BKN200	15.00		97	36.0	M	M	M	M	M	29	030		28.46			M	AA		29.77
17	2050	0	SCT120 BKN200	15.00		95	35.0	71	21.8	59	15.0	30	18	090	28	28.55			M	AA		29.87

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
FALCON FIELD AIRPORT (03185)
MESA, AZ
(08/2013)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1380 ft. above sea level
Latitude: 33.466
Longitude: -111.733
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	0755	0	BKN250	40.00		93	34.0	70	20.9	57	14.0	30	6	090		28.46			M	AA		29.94
17	0948	0	SCT250	40.00		99	37.0	71	21.9	57	14.0	25	7	220		28.46			M	AA		29.94
17	1047	0	SCT250	40.00		102	39.0	72	22.3	57	14.0	23	7	170		28.44			M	AA		29.92
17	1347	0	CLRs	40.00		109	43.0	73	22.6	54	12.0	16	8	220		28.34			M	AA		29.81
17	1447	0	CLRs	40.00		108	42.0	72	22.4	54	12.0	17	11	220		28.32			M	AA		29.79
17	1653	0	SCT160	40.00		111	44.0	72	22.0	50	10.0	13	11	230		28.28			M	AA		29.75
17	1747	0	SCT170	40.00		109	43.0	71	21.7	50	10.0	14	5	VR		28.28			M	AA		29.75
17	1828	0	BKN200	40.00		108	42.0	72	22.4	54	12.0	17	17	340		28.29			M	AA		29.76
17	1847	0	BKN200	20.00		100	38.0	70	21.2	54	12.0	21	24	050		28.30			M	AA		29.77
17	1950	0	BKN200	20.00		99	37.0	70	21.1	54	12.0	22	17	010	34	28.30			M	AA		29.77

Dynamically generated Tue Nov 05 16:27:14 EST 2013 via http://cdo.ncdc.noaa.gov/qclcd/QCLCD

WWUS85 KPSR 180202
AWWPHX
AZZ023-180415-
AIRPORT WEATHER WARNING FOR SKY HARBOR AIRPORT
NATIONAL WEATHER SERVICE PHOENIX AZ
702 PM MST SAT AUG 17 2013
...AIRPORT WEATHER WARNING FOR SKY HARBOR AIRPORT IN EFFECT UNTIL
800 PM MST...
THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED AN AIRPORT WEATHER
WARNING FOR SKY HARBOR AIRPORT FOR STRONG GUSTY WINDS.
NORTHEAST WINDS GUSTING TO 35 KNOTS WILL CONTINUE THROUGH 8 PM
BEFORE WEAKENING.
$$

WWUS75 KPSR 180203
NPWPSR
URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
703 PM MST SAT AUG 17 2013
AZZ023-028-180415-
/O.NEW.KPSR.DU.Y.0018.130818T0203Z-130818T0400Z/
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
703 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY IN EFFECT UNTIL 9 PM MST THIS EVENING...
THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A BLOWING DUST
ADVISORY...WHICH IS IN EFFECT UNTIL 9 PM MST THIS EVENING. AN
EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST SUNDAY.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 9 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A HALF MILE WITHIN THE
  STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL CREATE
DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE MORE LIKELY
DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER BLOWING
DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT APPROACHING...PULL OFF
THE ROAD AS FAR AS POSSIBLE AND PUT YOUR VEHICLE IN PARK. TURN THE
LIGHTS ALL THE WAY OFF AND KEEP YOUR FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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WWUS75 KPSR 180212
NPWPSR
URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
712 PM MST SAT AUG 17 2013
AZZ022-027-180515-
/O.EXB.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
712 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY IN EFFECT UNTIL 10 PM MST THIS
EVENING...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A BLOWING DUST
ADVISORY...WHICH IS IN EFFECT UNTIL 10 PM MST THIS EVENING. AN
EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST SUNDAY.
* AFFECTED AREA...WESTERN MARICOPA COUNTY...INCLUDING
  WICKENBURG...BUCKEYE...GILA BEND...AND INTERSTATES 8 AND 10.
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A HALF MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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AZZ023-028-180515-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0400Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
712 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST
THIS EVENING.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 9 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A HALF MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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WWUS75 KPSR 180236
NPWPSR
URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
736 PM MST SAT AUG 17 2013
AZZ022-027-180515-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-

INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
736 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST
THIS EVENING.
* AFFECTED AREA...WESTERN MARICOPA COUNTY...INCLUDING
  WICKENBURG...BUCKEYE...GILA BEND...AND INTERSTATES 8 AND 10.
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A HALF MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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AZZ023-028-180515-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0400Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
736 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST
THIS EVENING.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 9 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A HALF MILE WITHIN THE
  STRONGEST WINDS. AT 730 PM...HIGHWAY PATROL AND TRAINED SPOTTERS
  HAVE INDICATED VERY LOW VISIBILITIES JUST SOUTH OF CASA GRANDE.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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WWUS75 KPSR 180240
NPWPSR
URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ
740 PM MST SAT AUG 17 2013
AZZ022-027-180615-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
740 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST
THIS EVENING.
* AFFECTED AREA...WESTERN MARICOPA COUNTY...INCLUDING
  WICKENBURG...BUCKEYE...GILA BEND...AND INTERSTATES 8 AND 10.
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
$$

AZZ023-028-180615-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0400Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
740 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST
THIS EVENING.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 9 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE
  WITHIN THE STRONGEST WINDS. AT 730 PM...HIGHWAY PATROL AND
  TRAINED SPOTTERS HAVE INDICATED VERY LOW VISIBILITIES JUST
  SOUTH OF CASA GRANDE.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.

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WWUS75 KPSR 180345
NPWPSR
URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
845 PM MST SAT AUG 17 2013
AZZ022-027-180615-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
845 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST
THIS EVENING.
* AFFECTED AREA...WESTERN MARICOPA COUNTY...INCLUDING
  WICKENBURG...BUCKEYE...GILA BEND...AND INTERSTATES 8 AND 10.
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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AZZ023-028-180615-
/O.EXT.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
845 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 10 PM MST THIS
EVENING...
THE BLOWING DUST ADVISORY IS NOW IN EFFECT UNTIL 10 PM MST THIS
EVENING. AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM
MST SUNDAY.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 9 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE WITHIN
  THE STRONGEST WINDS. A SECONDARY AREA OF BLOWING DUST IS MAKING ITS
  WAY INTO THE AREA FROM THE SOUTHEAST AND IS ENTERING THE EAST
  VALLEY AS OF 845 PM.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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WWUS75 KPSR 180347
NPWPSR
URGENT - WEATHER MESSAGE...CORRECTED
NATIONAL WEATHER SERVICE PHOENIX AZ
846 PM MST SAT AUG 17 2013
AZZ022-027-180630-
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
/O.CON.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
846 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST THIS
EVENING...
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY. A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST
THIS EVENING.
* AFFECTED AREA...WESTERN MARICOPA COUNTY...INCLUDING
  WICKENBURG...BUCKEYE...GILA BEND...AND INTERSTATES 8 AND 10.
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH
* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE
  WITHIN THE STRONGEST WINDS.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL
  CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE
  MORE LIKELY DURING DUST STORMS.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
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AZZ023-028-180630-
/O.COR.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
/O.COR.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
846 PM MST SAT AUG 17 2013
...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 10 PM MST THIS
EVENING...
THE BLOWING DUST ADVISORY IS NOW IN EFFECT UNTIL 10 PM MST THIS
EVENING. AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM
MST SUNDAY.
* AFFECTED AREA...PHOENIX METRO AREA...NORTHWEST PINAL COUNTY
* TIMING...UNTIL 10 PM
* WINDS...30-40 MPH

* VISIBILITY...AROUND 1 MILE...POSSIBLY AROUND A QUARTER MILE WITHIN THE STRONGEST WINDS. A SECONDARY AREA OF BLOWING DUST IS MAKING ITS WAY INTO THE AREA FROM THE SOUTHEAST AND IS ENTERING THE EAST VALLEY AS OF 845 PM.
* IMPACTS...SUDDENLY REDUCED VISIBILITIES ON ROADWAYS WILL CREATE DANGEROUS DRIVING CONDITIONS. MULTI-CAR PILEUPS ARE MORE LIKELY DURING DUST STORMS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...
BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR FOOT OFF THE BRAKE PEDAL.
REMEMBER...PULL ASIDE...STAY ALIVE.
&&
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WWUS85 KPSR 180436
AWWPHX
AZZ023-180645-
AIRPORT WEATHER WARNING FOR SKY HARBOR AIRPORT
NATIONAL WEATHER SERVICE PHOENIX AZ
936 PM MST SAT AUG 17 2013
...AIRPORT WEATHER WARNING FOR SKY HARBOR AIRPORT IN EFFECT UNTIL 1030 PM MST...
THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED AN AIRPORT WEATHER WARNING FOR SKY HARBOR AIRPORT DUE TO OBSERVED LIGHTNING WITHIN 10 MILES OF THE AIRPORT.
THE POTENTIAL FOR LIGHTNING WITHIN 10 MILES WILL CONTINUE THROUGH 1030 PM BEFORE DISSIPATING.
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WWUS75 KPSR 180451
NPWPSR
URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
951 PM MST SAT AUG 17 2013
AZZ022-027-180615-
/O.EXP.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
NORTHWEST MARICOPA COUNTY-SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...NEW RIVER...WICKENBURG...
GILA BEND
951 PM MST SAT AUG 17 2013
...EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST SUNDAY...
...BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING...
THE BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING.
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST SUNDAY.
* AFFECTED AREA...LOWER DESERTS OF SOUTHWEST AND SOUTH CENTRAL ARIZONA...AS WELL AS SOUTHEAST CALIFORNIA.
* TEMPERATURE...WARM OVERNIGHT LOWS 85-90.
* IMPACTS...HOT AFTERNOON TEMPERATURES COMBINED WITH VERY LITTLE RELIEF AT NIGHT COULD LEAD TO HEAT RELATED ILLNESS FOR THOSE WHO WORK OUTDOORS...DO NOT HAVE PROPER AIR CONDITIONING...ARE HOMELESS...AND THOSE TAKING CERTAIN TYPES OF MEDICATION.

PRECAUTIONARY/PREPAREDNESS ACTIONS...
TAKE EXTRA PRECAUTIONS IF YOU WORK OR SPEND TIME OUTSIDE. WHEN POSSIBLE...RESCHEDULE STRENUOUS ACTIVITIES TO EARLY MORNING OR EVENING. KNOW THE SIGNS AND SYMPTOMS OF HEAT EXHAUSTION AND HEAT STROKE. WEAR LIGHT WEIGHT AND LOOSE

FITTING CLOTHING WHEN POSSIBLE AND DRINK PLENTY OF WATER.
IF YOU WEAR A WIDE-BRIMMED HAT...YOUR HEAD AND BODY WILL BE
MUCH COOLER.
TO REDUCE RISK DURING OUTDOOR WORK...THE OCCUPATIONAL SAFETY
AND HEALTH ADMINISTRATION RECOMMENDS SCHEDULING FREQUENT
REST BREAKS IN SHADED OR AIR CONDITIONED ENVIRONMENTS.
ANYONE OVERCOME BY HEAT SHOULD BE MOVED TO A COOL AND
SHADED LOCATION. HEAT STROKE IS AN EMERGENCY...CALL 9 1 1.
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/O.EXP.KPSR.DU.Y.0018.000000T0000Z-130818T0500Z/
/O.CON.KPSR.EH.W.0006.000000T0000Z-130818T1200Z/
GREATER PHOENIX AREA-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING THE CITIES OF...BUCKEYE...MESA...PHOENIX...
APACHE JUNCTION...CASA GRANDE...FLORENCE
951 PM MST SAT AUG 17 2013
...EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY...
...BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING...
THE BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING.
AN EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 5 AM MST
SUNDAY.
* AFFECTED AREA...LOWER DESERTS OF SOUTHWEST AND SOUTH CENTRAL
  ARIZONA INCLUDING THE GREATER PHOENIX METROPOLITAN AREA.
* TEMPERATURE...WARM OVERNIGHT LOWS 85-90.
* IMPACTS...HOT AFTERNOON TEMPERATURES COMBINED WITH VERY LITTLE
  RELIEF AT NIGHT COULD LEAD TO HEAT RELATED ILLNESS FOR THOSE
  WHO WORK OUTDOORS...DO NOT HAVE PROPER AIR CONDITIONING...ARE
  HOMELESS...AND THOSE TAKING CERTAIN TYPES OF MEDICATION.
PRECAUTIONARY/PREPAREDNESS ACTIONS...
TAKE EXTRA PRECAUTIONS IF YOU WORK OR SPEND TIME OUTSIDE.
WHEN POSSIBLE...RESCHEDULE STRENUOUS ACTIVITIES TO EARLY
MORNING OR EVENING. KNOW THE SIGNS AND SYMPTOMS OF HEAT
EXHAUSTION AND HEAT STROKE. WEAR LIGHT WEIGHT AND LOOSE
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&&
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APPENDIX C

NOTICE OF PUBLIC COMMENT PERIOD