

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	5/9/2018	2034	MST	Phoenix	52
Area Forecast Discussion	5/9/2018	2117	PDT	San Diego	55
Area Forecast Discussion	5/10/2018	0329	MST	Phoenix	58
Urgent Weather Message	5/10/2018	0402	MST	Phoenix	61
Urgent Weather Message	5/10/2018	0633	PDT	San Diego	64
Urgent Weather Message	5/10/2018	1301	PDT	San Diego	65
Area Forecast Discussion	5/10/2018	1349	PDT	San Diego	66
Urgent Weather Message	5/10/2018	1423	MST	Phoenix	68

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	5/10/2018	2124	PDT	San Diego	Gusty west to southwest winds are still on track to strengthen tomorrow morning across portions of the mountains and deserts and continue through early Saturday morning. A Wind Advisory remains in effect through the period. No changes needed to the forecast this evening.	71
Urgent Weather Message	5/10/2018	2126	PDT	San Diego	Wind Advisory remains in effect for San Diego County mountains and deserts and other areas.	74
Urgent Weather Message	5/11/2018	0245	MST	Phoenix	Wind Advisory remains in effect for Imperial County	75
Area Forecast Discussion	5/11/2108	0339	PDT	San Diego	Onshore pressure gradients have already increased to around 8 mb this morning and will continue to increase during the day, and forecast to peak around 12 mb later today. Water vapor satellite shows the upper low in the Pac NW beginning to drop south towards California. This feature will continue to drop south today and then stall over the Great Basin east of California through early next week. Onshore flow will strengthen further today with strong winds likely this afternoon through Saturday morning over the mountains and deserts with areas of blowing dust/sand possible at times. A wind advisory remains in effect for the mountains and deserts.	78
Area Forecast Discussion	5/11/2108	0359	MST	Phoenix	However, winds will also be very gusty today as the height gradient increases aloft and surface pressure gradient intensifies. Downsloping west-southwesterly winds will cause winds to reach Wind Advisory criteria for most of southeast California with wind gusts over 50 mph possible over far southwest Imperial County. In addition, 850 mb winds of 25-30 knots mixing down to the surface will also allow for winds to reach Wind Advisory criteria for the higher terrain of southern Gila County and lower deserts to the south and southeast of Phoenix where wind gusts up to 45 mph are possible. These wind gusts combined with our long-term lack of rainfall should also lead to patchy areas of blowing dust across the lower deserts, but we currently do not expect blowing dust for most of the Phoenix.	80
Urgent Weather Message	5/11/2108	0417	PDT	San Diego	Wind Advisory remains in effect for San Diego County mountains and deserts and other areas.	83
Area Forecast Discussion	5/11/2108	0939	PDT	San Diego	This will lead to increasingly strong winds over the mountains and deserts along with a deepening of the marine layer and significant cooling trend. Scattered light rain showers are expected tonight through Saturday morning.	84
Urgent Weather Message	5/11/2108	1023	MST	Phoenix	Imperial County Southwest-Including the city of Mountain Spring ...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY... * AFFECTED AREA...Far southwest Imperial County. * TIMING...Noon Friday through 5 am Saturday. * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph. * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8. Also includes separate Urgent Weather Message for the rest of Imperial County (southeast)	87

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	5/11/2108	1401	MST	Phoenix	92
				Imperial County Southwest-Including the city of Mountain Spring ...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY... * AFFECTED AREA...Far southwest Imperial County. * TIMING...Noon Friday through 5 am Saturday. * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph. * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8. Also includes separate Urgent Weather Message for the rest of Imperial County (southeast)	
Urgent Weather Message	5/11/2108	1408	PDT	San Diego	97
				Wind Advisory remains in effect for San Diego County mountains and deserts and other areas.	
Quantification Precipitation Forecast	5/11/2108	1414	PDT	San Diego	98
				Precipitation Forecast in Inches in 6-Hour periods. San Diego Mountains, Campo 0.01 inches between 2300 Friday May 11, 2018 and 0500 Saturday, May 12, 2018	
Area Forecast Discussion	5/11/2018	1421	MST	Phoenix	103
				An upper-low over the Great Basin remains well-defined over the western Great Basin, with accompanying upper-level cloud cover spreading across southeast California into central Arizona. The primary impact on our area continues to be the strengthening wind speeds, and accompanying threats related to fire weather and blowing dust. Afternoon observations show wind speeds have been slow to increase thus far, but now seeing fairly widespread gusts to around 30 kt across the lower deserts. GOES-16 imagery indicates some increase in blowing dust, especially across southwest Maricopa County and northwest/north-central Pinal County.	
Area Forecast Discussion	5/11/2108	1458	PDT	San Diego	106
				Winds are increasing along the mountain ridges and desert slopes with Whitewater now reporting a gust to 58 mph. Winds are gusting 30-35 mph across the high desert. A Wind Advisory remains in effect through early Saturday morning for these locales where patchy blowing dust limiting visibility is possible	
Urgent Weather Message	5/11/2108	1740	MST	Phoenix	108
				Joshua Tree NP West-Chuckwalla Mountains-Imperial County Southeast-Imperial County West-Imperial Valley-Palo Verde Valley-Chuckwalla Valley-Including the cities of Cottonwood Visitor, Lost Horse-Keys Village, Imperial Hot Mineral Springs, Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley, Martinez Lake, Blythe, Palo Verde, Ripley, and Midland ...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING... * AFFECTED AREA...Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park. * TIMING...Early afternoon through mid evening on Friday. * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph. * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles. Also includes separate Urgent Weather Message for the rest of Imperial County (southwest)	

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	5/11/2108	1808	MST	Phoenix	113
Urgent Weather Message	5/11/2108	2005	MST	Phoenix	118
Urgent Weather Message	5/11/2108	2057	MST	Phoenix	121
Area Forecast Discussion	5/11/2108	2125	PDT	San Diego	123
Urgent Weather Message	5/12/2108	0404	PDT	San Diego	125

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	5/12/2108	0433	MST	Phoenix	127
Imperial County Southwest-Including the city of Mountain Spring ...WIND ADVISORY NOW IN EFFECT UNTIL 8 AM PDT THIS MORNING... * AFFECTED AREA...Far southwest Imperial County. * TIMING...now through 8 am Saturday. * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph. * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.					

729
FXUS65 KPSR 100334
AFDPSR

Area Forecast Discussion
National Weather Service Phoenix AZ
834 PM MST Wed May 9 2018

.SYNOPSIS...

High pressure will remain over the region the next couple of days resulting in continued unseasonably warm weather. High temperatures across the lower deserts will generally remain between 100 and 106 degrees during this period. A weather system will affect the region starting Friday, lasting through weekend leading to breezy to windy conditions Friday and Saturday and temperatures dipping back into the 90s.

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.DISCUSSION...

Another hot day is in the books with excessive heat across portions of southeast California and western Arizona where temperatures ranged from 106 to 110 degrees. As a result, an Excessive Heat Warning was issued for that area today but is no longer in effect. Otherwise, temperatures elsewhere remained 10 degrees or so above seasonal normal values. Fortunately, an approaching weather system will at least allow temperatures to cool closer to normal by next week.

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.PREVIOUS DISCUSSION...

Broad upper level troughing off the Pacific Northwest will begin to sag southeastward over the next few days allowing heights to gradually lower across the Southwestern U.S. Temperatures will not lower much on Thursday, but Friday will present much more noticeable cooling as the trough deepens and moves into the Great Basin. As this occurs, deepening surface low pressure to our north will lead to tightening pressure gradients and initial widespread breeziness on Thursday followed by windy conditions on Friday.

The windy conditions in combination with RHs of 10-15% Friday afternoon will lead to high fire danger across mainly the high terrain of central and eastern Arizona. Patchy blowing dust may also be an issue Friday afternoon and early evening. Skies will remain mostly clear through the period as the upper level low will bring little if any system moisture and the southwesterly flow into the region will not tap into any meaningful moisture off the Pacific.

Models are in good agreement the upper low will remain fairly stationary just to our north into the weekend keeping the area under dry southwesterly flow and providing much needed cooler conditions. Forecast highs in the lower 90s for both Saturday and

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

Sunday are at or slightly below normal readings. The low will weaken throughout the weekend before finally exiting to the northeast leaving weaker southwest flow over the Desert Southwest. Heights aloft will rise a bit early next week, but the broad synoptic troughing over the Western U.S. will remain in place keeping highs mostly in the middle 90s.

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.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

There are few aviation weather concerns through tomorrow morning as winds will stay fairly light and follow typical diurnal headings. However, an approaching weather system will strengthen the westerly wind speeds by Thursday afternoon with some occasional gusts.

Southeast California/Southwest Arizona including KIPL and KBLH:

Wind headings will remain mostly southerly along the Colorado River and southeasterly further east, including KIPL. An approaching system tomorrow will cause wind speeds to increase a bit with some strong gusts of 20 kts or more.

Aviation Discussion not updated for amended TAFs.

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.FIRE WEATHER...

Saturday through Wednesday: Conditions will improve across the lower deserts Saturday, though several hours of critical conditions will still remain a possibility across mainly the eastern half of Arizona, including the higher terrain of southern Gila County.

Below normal temperatures are expected this weekend, followed by a warming trend next week as the persistent low pressure system across the Rockies gradually weakens. Minimum RH values will generally remain below 15 percent each day. Seasonably breezy conditions are also expected each afternoon, though a gradual decrease in wind is anticipated early next week.

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.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed.

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.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Fire Weather Watch from Friday afternoon through Friday evening for AZZ131>133.

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

Fire Weather Watch from Saturday afternoon through Saturday evening for AZZ133.

CA...Fire Weather Watch from Friday afternoon through Friday evening for CAZ231.

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DISCUSSION...Deemer

PREVIOUS DISCUSSION...Kuhlman

AVIATION...Deemer

FIRE WEATHER...Hirsch

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788
FXUS66 KSGX 100418
AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
917 PM PDT Wed May 9 2018

.SYNOPSIS...

A low pressure system will move into the Great Basin on Friday, then weaken through early next week. This will bring a noticeable cooling trend through Saturday, especially inland. The marine layer will be deepening, especially this weekend. Low clouds will move all the way to the coastal mountain slopes. There is even a slight chance of showers or patchy drizzle west of the mountains Friday night and Saturday night. Winds will increase over the mountains and across the deserts late Thursday through Friday. A low pressure trough will persist over the West through much of next week, keeping the weather cool.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

The IR satellite imagery at 9 PM PDT showed marine clouds over the inner coastal waters reaching north as far north as O.C. The 00Z Miramar sounding had a 9 degree C inversion based near 1500 FT MSL. This was a bit deeper than last evening, but no eddy winds were indicated. The sfc pressure gradients were accelerating onshore KSAN to the deserts at 7-8 MBS. Peak westerly winds of 25-35 MPH were reported near the desert passes.

No forecast changes this evening.

From previous discussion...

The weather pattern is taking a change. A trough pattern will become established over the region, leading to noticeable cooling along with a deeper marine layer and even light rain prospects.

A closed upper low lies off British Columbia. This feature will move inland and southeast to south to lie eventually over the Great Basin by Friday and will persist there through the upcoming weekend. As it does so, westerly winds will increase locally with gusty winds developing over the mountain ridge tops to the deserts slopes. Nothing too strong though. Still, some blowing dust will be possible.

The trends since yesterday have been for a deeper trough and slightly closer to the area. This could actually allow for drizzle or even a few light showers as the marine layer depth

May 11, 2018 Exceptional Event, Imperial County

increases to over 4000 feet. The opportunity for any rain looks to be highest Friday night and Saturday night, so added a slight chance of light showers and drizzle to the forecast then. Any rainfall amounts will be light/a few hundredths to perhaps a tenth of an inch from the coast to the lower coastal mountain slopes.

Temperature changes will be noticeable, especially over the deserts. 90s and 100s will be replaced by 70s and 80s this weekend. Most of the metropolitan areas this weekend will see highs only in the 60s.

A trough pattern will persist through next week. Global models are in agreement on this. There will be slow warming of temperatures as heights slowly rise, but another trough is shown by GFS and EC moving into the state during the middle and latter part of next week. EC is much stronger. This would stop and even reverse the warming trend by midweek and potentially bring a period of drizzle and strong winds to the mountains and deserts.

&&

.AVIATION...

100415Z...Coast/Valleys...Areas of BKN-OVC stratus will gradually spread 15-20 miles inland by 10Z Thu. Bases will be 1000-1300 ft MSL with tops to 1500 ft MSL, with higher terrain locally obscured. Vis will locally be under 3 miles at some inland valleys, including VCNTY KRNM and KAJ0 10Z-15Z Thu. Most areas should clear 15Z-18Z Thu.

Mountains/Deserts...Mostly clear with unrestricted vis through Thu.

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.MARINE...

No hazardous marine weather conditions are expected through Monday, but some gusts exceeding 20 kt in the outer waters are expected Thursday evening.

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.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

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PUBLIC...10/Gregoria

AVIATION/MARINE...Maxwell

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FXUS65 KPSR 101029
AFDPSR

Area Forecast Discussion
National Weather Service Phoenix AZ
329 AM MST Thu May 10 2018

.SYNOPSIS...

After another very warm day today, an approaching weather system will bring a cooling trend starting Friday. Windy and dry conditions Friday will lead to very high fire danger across Arizona. The weather system will linger just to the north into the weekend allowing high temperatures to drop down to just below normals levels. A return to weak high pressure next week will result in a slight warming trend.

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.DISCUSSION...

Upper level height analysis shows the ridge axis has pushed well east of the region allowing broad troughing to take over across the Southwestern U.S. Heights aloft continue to lower today, but temperatures will be slow to respond as highs again reach between 100-105. A Pacific low will dive southward through the Pacific Northwest today eventually moving into the Great Basin on Friday. This approaching system will bring tightening pressure gradients through Friday and a return to breezy conditions this afternoon. Wind gusts today should remain under 25 mph for the most part, but will dramatically increase on Friday as the low center moves into the Great Basin. Windy conditions will develop Friday afternoon with Advisory level winds across portions of southeast California and over locations just to the southeast and east of Phoenix. The strong winds will create dangerous fire danger conditions Friday afternoon and evening leading to Red Flag Warnings virtually across all of Arizona. The lowering heights aloft will allow for some cooling, but highs Friday will still reach near 100 degrees across the lower deserts.

The upper level low will remain mostly stationary centered over the Great Basin Saturday and Sunday, but weaken during that time frame. The pressure gradient will relax some for Saturday, but still be enough to maintain breezy to windy conditions across eastern Arizona. Wind gusts Saturday afternoon may peak around 30-35 mph and lead to another day of Red Flag conditions across the high terrain of eastern Arizona. Much more substantial cooling will be realized on Saturday as highs drop into the upper 80s and lower 90s. Similar readings are anticipated for Sunday with little change in heights and temperatures aloft.

After the upper level low lifts to the northeast next Monday, the broad troughing pattern will remain across the eastern Pacific and

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

Western U.S. Model spread remains low through early next week as a Pacific low develops well off the West Coast before slowly drifting eastward into California sometime during the middle of next week. Upper level ridging will increase across the Desert Southwest next Monday through Wednesday as the Pacific low deepens off the West Coast. This should bring highs back to near 100 degrees by next Wednesday. Models eventually bring the low track through central California into the Desert Southwest late next week with fairly low model spread. Even if the low does move into our region, the dry conditions should persist as little to no system moisture is depicted among the models.

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.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

There are few aviation weather concerns through tomorrow morning as winds will stay fairly light and follow typical diurnal headings. However, an approaching weather system will strengthen the westerly wind speeds by Thursday afternoon with some occasional gusts.

Southeast California/Southwest Arizona including KIPL and KBLH:

Wind headings will remain mostly southerly along the Colorado River and southeasterly further east, including KIPL. An approaching system tomorrow will cause wind speeds to increase a bit with some strong gusts of 20 kts or more.

Aviation Discussion not updated for amended TAFs.

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.FIRE WEATHER...

Saturday through Wednesday: Conditions will improve across the lower deserts Saturday, though several hours of critical conditions will still remain a possibility across mainly the eastern half of Arizona, including the higher terrain of southern Gila County.

Below normal temperatures are expected this weekend, followed by a warming trend next week as the persistent low pressure system across the Rockies gradually weakens. Minimum RH values will generally remain below 15 percent each day. Seasonably breezy conditions are also expected each afternoon, though a gradual decrease in wind is anticipated early next week.

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.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed.

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May 11, 2018 Exceptional Event, Imperial County**Appendix A**

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 8 PM MST Friday for AZZ131>133.

Red Flag Warning from noon to 8 PM MST Saturday for AZZ133.

Wind Advisory from 2 PM to 8 PM MST Friday for AZZ552>555-557>561-563.

CA...Red Flag Warning from noon to 8 PM PDT Friday for CAZ231.

Wind Advisory from 2 PM to 9 PM PDT Friday for CAZ560-564>567-569-570.

Wind Advisory from noon Friday to 5 AM PDT Saturday for CAZ562.

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DISCUSSION...Kuhlman

AVIATION...Deemer

FIRE WEATHER...Hirsch

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WWUS75 KPSR 101102
NPWPSR

URGENT - WEATHER MESSAGE
National Weather Service Phoenix AZ
402 AM MST Thu May 10 2018

CAZ562-102300-
/O.NEW.KPSR.WI.Y.0016.180511T1900Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
402 AM PDT Thu May 10 2018

...WIND ADVISORY IN EFFECT FROM NOON FRIDAY TO 5 AM PDT
SATURDAY...

The National Weather Service in Phoenix has issued a Wind
Advisory, which is in effect from noon Friday to 5 AM PDT
Saturday.

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust,
and may result in dangerous driving conditions, especially for
high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

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AZZ552>555-557>561-563-102300-
/O.NEW.KPSR.WI.Y.0016.180511T2100Z-180512T0300Z/
Superior-Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Mazatzal Mountains-
Pinal/Superstition Mountains-Sonoran Desert Natl Monument-
San Carlos-Dripping Springs-Southeast Gila County-
Including the cities of Superior, Casa Grande, Cactus Forest,

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

Florence, Coolidge, Apache Junction, Sunflower, San Carlos,
Peridot, Hayden, and Winkelman
402 AM MST Thu May 10 2018

...WIND ADVISORY IN EFFECT FROM 2 PM TO 8 PM MST FRIDAY...

The National Weather Service in Phoenix has issued a Wind Advisory, which is in effect from 2 PM to 8 PM MST Friday.

* AFFECTED AREA...Higher terrain areas of southern Gila County, the lower deserts to the south and southeast of Phoenix and desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 15 to 30 mph with gusts to around 45 mph.

* IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions. Peak gusts may create shifting crosswind and hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ560-564>567-569-570-102300-

/O.NEW.KPSR.WI.Y.0016.180511T2100Z-180512T0400Z/

Joshua Tree NP West-Chuckwalla Mountains-

Imperial County Southeast-Imperial County West-Imperial Valley-

Palo Verde Valley-Chuckwalla Valley-

Including the cities of Cottonwood Visitor,

Lost Horse-Keys Village, Imperial Hot Mineral Springs,

Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,

Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,

Martinez Lake, Blythe, Palo Verde, Ripley, and Midland

402 AM PDT Thu May 10 2018

...WIND ADVISORY IN EFFECT FROM 2 PM TO 9 PM PDT FRIDAY...

The National Weather Service in Phoenix has issued a Wind Advisory, which is in effect from 2 PM to 9 PM PDT Friday.

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

- * **AFFECTED AREA...**Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park.
- * **TIMING...**Early afternoon through mid evening on Friday.
- * **WINDS...**Southwest to west wind 15 to 30 mph with gusts over 45 mph.
- * **IMPACTS...**Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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WWUS76 KSGX 101333

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

633 AM PDT Thu May 10 2018

CAZ055-056-058-060>062-065-102200-

/O.NEW.KSGX.WI.Y.0016.180511T1700Z-180512T1200Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Geronio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs

633 AM PDT Thu May 10 2018

...WIND ADVISORY IN EFFECT FROM 10 AM FRIDAY TO 5 AM PDT
SATURDAY...

The National Weather Service in San Diego has issued a Wind
Advisory...which is in effect from 10 AM Friday to 5 AM PDT
Saturday.

* Winds...West 20 to 30 mph with gusts to 50 mph.

* Timing...Winds increasing Friday, peaking during the late
afternoon and evening Friday.

* Location...Mountain ridge tops to the deserts.

* Visibility...Patchy visibility of less than 1 mile in blowing
dust and sand.

* Impacts...Strong crosswinds will make driving difficult at times
for high profile vehicles. Reduced visibility in blowing dust
and sand at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving
difficult...especially for high profile vehicles. Use extra
caution.

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WWUS76 KSGX 102001
NPWSGX

URGENT - WEATHER MESSAGE
National Weather Service San Diego CA
101 PM PDT Thu May 10 2018

CAZ055-056-058-060>062-065-111300-
/O.CON.KSGX.WI.Y.0016.180511T1700Z-180512T1200Z/
San Bernardino County Mountains-Riverside County Mountains-
San Diego County Mountains-Apple and Lucerne Valleys-
Coachella Valley-San Diego County Deserts-
San Geronio Pass Near Banning-
Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs
101 PM PDT Thu May 10 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 10 AM FRIDAY TO 5 AM PDT
SATURDAY...

- * Winds...West 20 to 30 mph with gusts to 50 mph.
- * Timing...Winds increasing Friday, peaking during the late afternoon and evening Friday.
- * Location...Mountain ridge tops to the deserts.
- * Visibility...Patchy visibility of less than 1 mile in blowing dust and sand.
- * Impacts...Strong crosswinds will make driving difficult at times for high profile vehicles. Reduced visibility in blowing dust and sand at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving difficult... especially for high profile vehicles. Use extra caution.

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Gregoria

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695
FXUS66 KSGX 102049
AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
149 PM PDT Thu May 10 2018

.SYNOPSIS...

Upper level low pressure will move into the Great Basin Friday and remain there through the weekend. This will lead to increasing winds over the mountains and deserts along with a deepening of the marine layer and a continued cooling trend. Light rain showers are possible Friday night through Saturday morning. The trough will weaken early next week with moderating temperatures. However, another trough will move towards the state late next week, leading to another cooling trend along with perhaps another chance of light precipitation.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

A closed upper low will move into the Great Basin on Friday and remain in place through the weekend. The surface pressure gradient will increase and maximize Friday late afternoon and evening. This will lead to a period of strong winds from the mountains to deserts Friday through Friday night, strongest late afternoon and evening.

The marine layer depth will be increasing as the trough takes hold. The low level inversion strength will be lessening through the weekend with WRF output showing strength lowering to +7C by Friday afternoon and to only +3C by Saturday afternoon. A coastal eddy will intensify tonight-Friday, leading to increasing southerly winds along the coast. Nothing strong but about 5 mph higher than today. We believe this eddy will hold in marine layer stratus on Friday, but on Saturday the eddy will weaken and with a weaker inversion, the cloud forecast near the coast is more uncertain. It could be a reverse cleaning scenario.

The marine layer deepening and lifting will likely result in some drizzle in the coastal basin Friday night-Saturday morning. Rainfall amounts are forecast to be a few hundredths of an inch with max amounts to a tenth of an inch possible along the San Diego County coast and into the inland valley region.

A cool pattern will prevail under this trough pattern, but will moderate inland early next week as the trough gradually weakens. However, the warming peaks next Tue-Wed before another trough moves in. Global models show a vigorous trough moving into the

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

state from the Pacific late next week. GFS is further south with a closed upper low moving over SoCal late Thu-Fri while the EC takes it over NorCal. Something to watch for another period of strong mountain/desert winds and possible additional precipitation chances late next week, though nothing significant as any appreciable moisture tap is a far distance away.

&&

.AVIATION...

102000Z...Coast/Valleys...BKN-OVC008-018 spreading 20-30 miles inland through 15Z Friday. CIGS arriving at KSAN, KSNA and KCRQ between 01Z-04Z. Prevailing vis will be greater than 5 miles at KSAN and KSNA, with lower vis of 3-5 miles possible at KCRQ. CIGS arriving at KONT and KSBD between 06-10Z with vis 2-4 miles in haze through 19Z. Clearing back to the coast through 21Z but CIGS may not clear from KSAN, KCRQ due to strong coastal eddy.

Mountains/Deserts...Mostly clear with unrestricted vis through Fri. Gusty west winds through 08Z Friday from 15-25 mph gusting 35-45 mph. Stronger winds from 19Z Friday through 08Z Saturday with 20-30 mph winds gusting 40-50 mph.

&&

.MARINE...

No hazardous marine weather conditions are expected through Monday, but some gusts 20-25 kt in the outer waters this evening.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory from 10 AM Friday to 5 AM PDT Saturday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Geronio Pass Near Banning.

PZ...NONE.

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PUBLIC...Gregoria

AVIATION/MARINE...Moede

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320
WWUS75 KPSR 102123
NPWPSR

URGENT - WEATHER MESSAGE
National Weather Service Phoenix AZ
223 PM MST Thu May 10 2018

CAZ562-111245-
/O.CON.KPSR.WI.Y.0016.180511T1900Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
223 PM PDT Thu May 10 2018

...WIND ADVISORY REMAINS IN EFFECT FROM NOON FRIDAY TO 5 AM PDT
SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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AZZ552>555-557>561-563-111245-
/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0300Z/
Superior-Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Mazatzal Mountains-
Pinal/Superstition Mountains-Sonoran Desert Natl Monument-
San Carlos-Dripping Springs-Southeast Gila County-
Including the cities of Superior, Casa Grande, Cactus Forest,
Florence, Coolidge, Apache Junction, Sunflower, San Carlos,
Peridot, Hayden, and Winkelman
223 PM MST Thu May 10 2018

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM TO 8 PM MST FRIDAY...

- * AFFECTED AREA...Higher terrain areas of southern Gila County, the lower deserts to the south and southeast of Phoenix and desert areas southeast of Gila Bend.
- * TIMING...Early afternoon through early evening Friday.
- * WINDS...Southwest winds 15 to 30 mph with gusts to around 45 mph.
- * IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions. Peak gusts may create shifting crosswind and hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ560-564>567-569-570-111245-

/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0400Z/

Joshua Tree NP West-Chuckwalla Mountains-

Imperial County Southeast-Imperial County West-Imperial Valley-

Palo Verde Valley-Chuckwalla Valley-

Including the cities of Cottonwood Visitor,

Lost Horse-Keys Village, Imperial Hot Mineral Springs,

Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,

Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,

Martinez Lake, Blythe, Palo Verde, Ripley, and Midland

223 PM PDT Thu May 10 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM TO 9 PM PDT FRIDAY...

- * AFFECTED AREA...Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park.
- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west wind 15 to 30 mph with gusts over 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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480
FXUS66 KSGX 110424
AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
924 PM PDT Thu May 10 2018

.UPDATE...

At 9 PM, fog satellite showed patchy low clouds along the coast, and scattered high clouds entering the region from the north. The high clouds will likely slow the development of low clouds this evening, but they should fill the coastal basin by early Friday morning. Gusty west to southwest winds are still on track to strengthen tomorrow morning across portions of the mountains and deserts and continue through early Saturday morning. A Wind Advisory remains in effect through the period. No changes needed to the forecast this evening.

&&

.SYNOPSIS...

Upper level low pressure will move into the Great Basin Friday and remain there through the weekend. This will lead to increasing winds over the mountains and deserts along with a deepening of the marine layer and a continued cooling trend. Light rain showers are possible Friday night through Saturday morning. The trough will weaken early next week with moderating temperatures. However, another trough will move towards the state late next week, leading to another cooling trend along with perhaps another chance of light precipitation.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

.PREV DISCUSSION FROM 149 PM THIS AFTERNOON...

A closed upper low will move into the Great Basin on Friday and remain in place through the weekend. The surface pressure gradient will increase and maximize Friday late afternoon and evening. This will lead to a period of strong winds from the mountains to deserts Friday through Friday night, strongest late afternoon and evening.

The marine layer depth will be increasing as the trough takes hold. The low level inversion strength will be lessening through the weekend with WRF output showing strength lowering to +7C by Friday afternoon and to only +3C by Saturday afternoon. A coastal eddy will intensify tonight-Friday, leading to increasing southerly winds along the coast. Nothing strong but about 5 mph higher than today. We believe this eddy will hold in marine layer stratus on

May 11, 2018 Exceptional Event, Imperial County

Friday, but on Saturday the eddy will weaken and with a weaker inversion, the cloud forecast near the coast is more uncertain. It could be a reverse cleaning scenario.

The marine layer deepening and lifting will likely result in some drizzle in the coastal basin Friday night-Saturday morning. Rainfall amounts are forecast to be a few hundredths of an inch with max amounts to a tenth of an inch possible along the San Diego County coast and into the inland valley region.

A cool pattern will prevail under this trough pattern, but will moderate inland early next week as the trough gradually weakens. However, the warming peaks next Tue-Wed before another trough moves in. Global models show a vigorous trough moving into the state from the Pacific late next week. GFS is further south with a closed upper low moving over SoCal late Thu-Fri while the EC takes it over NorCal. Something to watch for another period of strong mountain/desert winds and possible additional precipitation chances late next week, though nothing significant as any appreciable moisture tap is a far distance away.

&&

.AVIATION...

110400Z...Coast/Valleys...Areas of BKN-OVC low clouds within 15 miles at 04Z will spread inland through all the valleys by 12Z Fri. Bases will be 1000-1800 ft MSL with tops to 3000 ft MSL. Local vis will be below 3 miles 07Z-18Z Fri along with higher terrain obscured. Only partial afternoon clearing is expected Friday, with mostly BKN conditions with bases 2000-3000 ft MSL.

Mountains/Deserts...Mostly clear with mostly unrestricted vis will continue through Fri. Areas of west winds 15-25 kt with gusts 25-35 kt will continue through 19Z Fri, with winds increasing to 20-30 kt with gusts 35-45 kt after 19Z Fri. Local surface vis 2-4 miles will occur in blowing dust, mainly after 19Z Fri.

&&

.MARINE...

No hazardous marine weather conditions are expected through Tuesday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory from 10 AM Friday to 5 AM PDT Saturday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County

May 11, 2018 Exceptional Event, Imperial County

Deserts-San Diego County Mountains-San Geronio Pass Near
Banning.

Appendix A

PZ...NONE.

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UPDATE...JJT

PUBLIC...Gregoria

AVIATION/MARINE...Maxwell

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655
WWUS76 KSGX 110426
NPWSGX

URGENT - WEATHER MESSAGE
National Weather Service San Diego CA
926 PM PDT Thu May 10 2018

CAZ055-056-058-060>062-065-111300-
/O.CON.KSGX.WI.Y.0016.180511T1700Z-180512T1200Z/
San Bernardino County Mountains-Riverside County Mountains-
San Diego County Mountains-Apple and Lucerne Valleys-
Coachella Valley-San Diego County Deserts-
San Geronio Pass Near Banning-
Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs
926 PM PDT Thu May 10 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 10 AM FRIDAY TO 5 AM PDT
SATURDAY...

- * Winds...West to southwest 20 to 30 mph with gusts to 50 mph.
Isolated gusts to 60 mph.
- * Timing...Winds increasing Friday, peaking during the late
afternoon and evening Friday.
- * Location...Mountain ridge tops to the deserts.
- * Visibility...Patchy visibility of less than 1 mile in blowing
dust and sand.
- * Impacts...Strong crosswinds will make driving difficult at
times for high profile vehicles. Reduced visibility in blowing
dust and sand at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving difficult...
especially for high profile vehicles. Use extra caution.

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JJT

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629
WWUS75 KPSR 110945
NPWPSR

URGENT - WEATHER MESSAGE
National Weather Service Phoenix AZ
245 AM MST Fri May 11 2018

CAZ562-112200-
/O.CON.KPSR.WI.Y.0016.180511T1900Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
245 AM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM NOON TODAY TO 5 AM PDT
SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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AZZ552>555-557>561-563-112200-
/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0300Z/
Superior-Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Mazatzal Mountains-
Pinal/Superstition Mountains-Sonoran Desert Natl Monument-
San Carlos-Dripping Springs-Southeast Gila County-
Including the cities of Superior, Casa Grande, Cactus Forest,
Florence, Coolidge, Apache Junction, Sunflower, San Carlos,
Peridot, Hayden, and Winkelman
245 AM MST Fri May 11 2018

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO 8 PM MST THIS EVENING...

* AFFECTED AREA...Higher terrain areas of southern Gila County, the lower deserts to the south and southeast of Phoenix and desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

* IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions. Peak gusts may create shifting crosswind and hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ560-564>567-569-570-112200-

/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0400Z/

Joshua Tree NP West-Chuckwalla Mountains-

Imperial County Southeast-Imperial County West-Imperial Valley-

Palo Verde Valley-Chuckwalla Valley-

Including the cities of Cottonwood Visitor,

Lost Horse-Keys Village, Imperial Hot Mineral Springs,

Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,

Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,

Martinez Lake, Blythe, Palo Verde, Ripley, and Midland

245 AM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO 9 PM PDT THIS EVENING...

* AFFECTED AREA...Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park.

* TIMING...Early afternoon through mid evening on Friday.

* WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

* IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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245
FXUS66 KSGX 111039
AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
339 AM PDT Fri May 11 2018

.SYNOPSIS...

Upper level low pressure will move into the Great Basin today and remain there through the weekend. This will lead to increasingly strong winds over the mountains and deserts along with a deepening of the marine layer and significant cooling trend. Scattered light rain showers are expected tonight through Saturday morning. The low pressure trough will weaken early next week with moderating temperatures. However, another low pressure trough will move towards the state late next week, leading to another cooling trend along with perhaps another chance of light precipitation by next weekend.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Hi-res satellite showed stratus expanding across all of the valleys and into the coastal slopes of the Peninsular Ranges. Last evenings sounding showed a marine layer inversion of 5.5C and the depth was around 2000 ft msl. The marine layer will continue to deepen today due to the approaching trough. Onshore pressure gradients have already increased to around 8 mb this morning and will continue to increase during the day, and forecast to peak around 12 mb later today.

Water vapor satellite shows the upper low in the Pac NW beginning to drop south towards California. This feature will continue to drop south today and then stall over the Great Basin east of California through early next week. Onshore flow will strengthen further today with strong winds likely this afternoon through Saturday morning over the mountains and deserts with areas of blowing dust/sand possible at times. A wind advisory remains in effect for the mountains and deserts.

The close proximity of upper level energy will bring some weak lift to the region tonight through Saturday with drizzle and even some scattered light rain showers possible along the coast and valleys and coastal slopes. Rainfall amounts will be on the light side with any showers that do occur. The best chance of rain will be this evening through Saturday morning.

The forecast shows that the upper low will linger over the Greek Basin through early next week although some including upper level

May 11, 2018 Exceptional Event, Imperial County

heights will bring moderating temps to SoCal through mid next week. However another low approaches towards the end of next week so that the general trend is a troughy pattern so temps will not fully rebound next week, with continued marine layer driven night and morning low clouds and fog near the coast and valleys. By Wednesday next week temperatures are forecast to be just slightly below normal. Another low moving into the Great Basin could bring another chance for precip by next Friday or Saturday along with gusty winds.

&&

.AVIATION...

110930Z...Coast/Valleys...Areas of BKN-OVC low clouds with bases 1500-2000 ft MSL and tops to 3500 ft MSL will continue over the coastal and valley locations through the morning. Low clouds becoming SCT-BKN with bases generally above 2000 ft MSL 17-20Z. Low clouds becoming BKN-OVC again after 12/00Z with bases 1500-2500 ft MSL and tops rising to 5000 ft MSL.

Mountains/Deserts...FEW-SCT high clouds and mostly unrestricted vis through Sat morning. Areas of west winds 15-25 kt with gusts 25-40 kt will continue through 20Z, increasing to 20-30 kt with gusts 35-50 kt after 20Z. Local surface vis 2-4 miles will occur in blowing dust, mainly during the afternoon and evening. Winds will slowly weaken early Saturday morning.

&&

.MARINE...

Steep waves due to a 7 ft swell with a period of 9-10 seconds will continue through this evening. Seas will quickly lower tonight. Otherwise, no hazardous marine weather conditions are expected through Tuesday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory from 10 AM this morning to 5 AM PDT Saturday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

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981
FXUS65 KPSR 111059
AFDPSR

Area Forecast Discussion
National Weather Service Phoenix AZ
359 AM MST Fri May 11 2018

.SYNOPSIS...

An upper-level disturbance approaching the region from the north will begin a cooling trend today that will continue into Saturday. Windy and dry conditions will also cause very high fire danger across all of Arizona and far southeast California today and for the higher terrain east of Phoenix on Saturday. Near to slightly below normal temperatures will continue through Monday until weak high pressure allows warmer than normal temperatures to return for the middle of next week.

&&

.DISCUSSION...

A cutoff upper-level low currently over the Pacific Northwest will continue to sag south into Nevada today, resulting in H500 height falls of about 60-70 dam and 850 mb temperature decreases of about 4 degrees Celsius from yesterday. As a result, high temperatures this afternoon will be 5 to 10 degrees cooler than yesterday, potentially ending the string of six consecutive triple-digit days for many locations in the Phoenix metro and areas to the south and west. However, winds will also be very gusty today as the height gradient increases aloft and surface pressure gradient intensifies. Downsloping west-southwesterly winds will cause winds to reach Wind Advisory criteria for most of southeast California with wind gusts over 50 mph possible over far southwest Imperial County. In addition, 850 mb winds of 25-30 knots mixing down to the surface will also allow for winds to reach Wind Advisory criteria for the higher terrain of southern Gila County and lower deserts to the south and southeast of Phoenix where wind gusts up to 45 mph are possible. These wind gusts combined with our long-term lack of rainfall should also lead to patchy areas of blowing dust across the lower deserts, but we currently do not expect blowing dust for most of the Phoenix metro aside from possibly the far southern portions. Minimum relative humidity values of 10-15 percent combined with these gusty winds will also lead to critical fire weather conditions and a Red Flag Warning today across nearly the entire CWA. Please refer to our fire weather discussion below and fire weather products for additional information.

The cutoff low will sag a bit farther south tonight as it becomes quasi-stationary, with a series of shortwaves rotating around the disturbance providing additional energetics to help sustain elevated winds into the evening and overnight hours. The cutoff low will weaken somewhat tomorrow to allow winds to fall back

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

below Wind Advisory criteria for all locations tomorrow, but winds will still be strong enough to critical fire weather conditions and an extension of the Red Flag Warning for the higher terrain north and east of the Phoenix metro. On a positive note, 850 mb temperatures cooling another 3-5 degrees Celsius from Friday will allow high temperatures on Saturday to be an additional 5-10 degrees cooler than today with our first day of near to slightly below normal temperatures in over a week. Temperatures on Sunday should be very similar to Saturday as the upper level low and associated trough remains quasi-stationary with heights and temperatures aloft staying nearly constant.

The rest of the forecast period looks to be fairly inactive as the low finally opens up and lifts to the northeast on Monday and weak ridging moves into the region. A gradual warmup is expected through the middle of next week with a return to above normal temperatures on Tuesday and triple-digit heat for the lower deserts and Phoenix metro on Wednesday or Thursday depending on whether you believe the ECMWF which builds the ridge faster than the GFS. Both models show another upper level disturbance into the Pacific Coast by Thursday with another cool down and increase in winds expected late next week with dry conditions persisting.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

The southern end of a low pressure system will move into the Desert Southwest Friday. Southwesterly flow aloft strengthens the rest of the night and through the day Friday (most noticeably at altitudes below FL200). At the surface, westerly winds will continue to weaken late this evening before trending toward light east and southeast. During the day Friday, southeast and southerly winds will be stronger than normal during the mid to late morning before transitioning to southwesterly directions in the afternoon. Expect gusts of 25-30 kts over metro Phoenix by late afternoon...even stronger south of the metro. Anticipate area of lofted dust causing reduced slantwise visibilities by late afternoon and continuing through the evening. Otherwise, no significant clouds - just some minor cirrus.

Southeast California/Southwest Arizona including KIPL and KBLH:
The southern end of a low pressure system will move into the Desert Southwest Friday. Southwesterly flow aloft strengthens the rest of the night and through the day Friday (most noticeably at altitudes below FL200). At the surface, southwest and west winds will continue to weaken overnight. During the day Friday, south and southwest winds restrengthen and become very strong during the latter half of the afternoon and early evening with widespread gusts of 30-35 kts...locally 40-45 kts west of the Lower Colorado River Valley. Anticipate areas of blowing dust with localized dense blowing briefly reducing surface visibilities below 3SM (mainly near and west of the Lower Colorado River Valley).

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Sunday through Thursday:

Lingering low pressure to the north will keep temperatures below normal on Sunday followed by a warming trend through Wednesday. An accompanying drying trend will keep things very dry with min RH values near 11-12 percent on Sunday falling below 10 percent by Monday and remaining in the single digits through Thursday.

Expect typical breezy to occasionally very breezy conditions during the afternoons with gusty southwesterly and upslope winds. Expect overnight recoveries to be mostly fair.

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.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon today to 8 PM MST this evening for AZZ131>133.

Red Flag Warning from noon to 8 PM MST Saturday for AZZ133.

Wind Advisory from 2 PM this afternoon to 8 PM MST this evening for AZZ552>555-557>561-563.

CA...Red Flag Warning from noon today to 8 PM PDT this evening for CAZ231-232.

Wind Advisory from 2 PM this afternoon to 9 PM PDT this evening for CAZ560-564>567-569-570.

Wind Advisory from noon today to 5 AM PDT Saturday for CAZ562.

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DISCUSSION...Hopper

AVIATION...Wilson

FIRE WEATHER...Sawtelle

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350
WWUS76 KSGX 111117
NPWSGX

URGENT - WEATHER MESSAGE
National Weather Service San Diego CA
417 AM PDT Fri May 11 2018

CAZ055-056-058-060>062-065-112100-
/O.CON.KSGX.WI.Y.0016.180511T1700Z-180512T1200Z/
San Bernardino County Mountains-Riverside County Mountains-
San Diego County Mountains-Apple and Lucerne Valleys-
Coachella Valley-San Diego County Deserts-
San Geronio Pass Near Banning-
Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs
417 AM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 10 AM THIS MORNING TO
5 AM PDT SATURDAY...

- * Winds...West to southwest 20 to 30 mph with gusts to 50 mph.
Isolated gusts to 60 mph.
- * Timing...Winds increasing today, peaking during the late
afternoon and evening.
- * Location...Mountain ridge tops to the deserts.
- * Visibility...Patchy visibility of less than 1 mile in blowing
dust and sand.
- * Impacts...Strong crosswinds will make driving difficult at
times for high profile vehicles. Reduced visibility in blowing
dust and sand at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving difficult...
especially for high profile vehicles. Use extra caution.

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jmb

weather.gov/sandiego

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863
FXUS66 KSGX 111639
AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
939 AM PDT Fri May 11 2018

.SYNOPSIS...

Upper level low pressure will move into the Great Basin today and remain there through the weekend. This will lead to increasingly strong winds over the mountains and deserts along with a deepening of the marine layer and significant cooling trend. Scattered light rain showers are expected tonight through Saturday morning. The low pressure trough will weaken early next week with moderating temperatures. However, another low pressure trough will move towards the state late next week, leading to another cooling trend along with perhaps another chance of light precipitation by next weekend.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

...Update...

Formidable coastal eddy is spinning off our coast. An ASCAT pass showed strong northwest winds west of the island with the counterclockwise eddy circulation over the California Bight with lighter speeds of 10-15 KT. However, there is a microscale enhancement of the wind field just east of the eddy center over the Orange County coast with Newport lifeguards reporting 16-18 KT and San Clemente lifeguards reporting 22 KT. Speeds along the San Diego coast are 10-15 KT.

There has been some measurable rain along the coastal slopes of the San Bernardinos and 0.01" was registered at Del Mar this morning. Have added -ra chances for the coast and coastal mountain slopes through the day. This eddy should keep the low clouds locked in tight, but with some clearing over the inland valleys.

...Previous Discussion (Issued at 339 AM PDT Fri May 11 2018)...

Hi-res satellite showed stratus expanding across all of the valleys and into the coastal slopes of the Peninsular Ranges. Last evenings sounding showed a marine layer inversion of 5.5C and the depth was around 2000 ft msl. The marine layer will continue to deepen today due to the approaching trough. Onshore pressure gradients have already increased to around 8 mb this morning and will continue to increase during the day, and forecast to peak around 12 mb later today.

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

Water vapor satellite shows the upper low in the Pac NW beginning to drop south towards California. This feature will continue to drop south today and then stall over the Great Basin east of California through early next week. Onshore flow will strengthen further today with strong winds likely this afternoon through Saturday morning over the mountains and deserts with areas of blowing dust/sand possible at times. A wind advisory remains in effect for the mountains and deserts.

The close proximity of upper level energy will bring some weak lift to the region tonight through Saturday with drizzle and even some scattered light rain showers possible along the coast and valleys and coastal slopes. Rainfall amounts will be on the light side with any showers that do occur. The best chance of rain will be this evening through Saturday morning.

The forecast shows that the upper low will linger over the Greek Basin through early next week although some including upper level heights will bring moderating temps to SoCal through mid next week. However another low approaches towards the end of next week so that the general trend is a troughy pattern so temps will not fully rebound next week, with continued marine layer driven night and morning low clouds and fog near the coast and valleys. By Wednesday next week temperatures are forecast to be just slightly below normal. Another low moving into the Great Basin could bring another chance for precip by next Friday or Saturday along with gusty winds.

&&

.AVIATION...

111530Z...Coast/Valleys/Coastal Slopes...Low clouds with bases around 2000-2500 feet MSL and tops to 3800 feet will continue over the coastal and valley locations through the morning, at least. Only partial scatter out today. Most likely in Inland Empire this afternoon. Full coverage in coastal basin after 00Z, with bases 1500-2500 feet MSL and tops rising to 5000 feet MSL by Saturday morning. Areas of coastal terrain obscured in fog between those elevations. Light showers possible between 00-15Z.

Higher Mountains/Deserts...Scattered high clouds and mostly unrestricted vis through Saturday. Westerly winds will increase to 20-30 kt with gusts 35-50 kt this afternoon and continue overnight. In desert, local surface vis 2-4 miles in blowing dust. Winds will slowly weaken early Saturday morning.

&&

.MARINE...

Steep waves gradually diminishing today and tonight. Otherwise, no hazardous marine weather conditions are expected through Tuesday.

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory until 5 AM PDT Saturday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

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PUBLIC...Gregoria

AVIATION/MARINE...MM

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☐

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WWUS75 KPSR 111723

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

1023 AM MST Fri May 11 2018

AZZ553-554-559-120300-

/O.NEW.KPSR.DU.Y.0010.180511T1800Z-180512T0100Z/

/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0300Z/

Northwest Pinal County-West Pinal County-

Sonoran Desert Natl Monument-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

1023 AM MST Fri May 11 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 6 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO
8 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust
Advisory, which is in effect until 6 PM MST this evening.

* AFFECTED AREA...The lower deserts to the south and southeast of
Phoenix and desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

* VISIBILITY...Visibility may fall to under one-half mile in some
locations.

* Impacts...Gusty winds will create areas of dense blowing dust
and low visibility which will create dangerous driving
conditions. Peak gusts may create shifting crosswind and
hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra

caution.

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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AZZ539-120100-

/O.NEW.KPSR.DU.Y.0010.180511T1800Z-180512T0100Z/

Gila Bend-

Including the cities of Gila Bend and Sentinel

1023 AM MST Fri May 11 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 6 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 6 PM MST this evening.

* TIMING...Late Friday morning through Friday evening.

* WINDS...Southwest winds of 20 to 25 mph with gusts to 40 mph.

* VISIBILITY...Visibility may fall to under one-half mile in some locations.

* IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions.

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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CAZ562-120300-

/O.CON.KPSR.WI.Y.0016.180511T1900Z-180512T1200Z/

Imperial County Southwest-

Including the city of Mountain Spring

1023 AM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

* AFFECTED AREA...Far southwest Imperial County.

* TIMING...Noon Friday through 5 am Saturday.

* WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.

* IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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AZZ552-555-557-558-560-561-563-120300-

/O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0300Z/

Superior-Apache Junction/Gold Canyon-Mazatzal Mountains-

Pinal/Superstition Mountains-San Carlos-Dripping Springs-

Southeast Gila County-

Including the cities of Superior, Apache Junction, Sunflower,

San Carlos, Peridot, Hayden, and Winkelman

1023 AM MST Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO 8 PM MST THIS EVENING...

* AFFECTED AREA...Higher terrain areas of southern Gila County, the lower deserts to the south and southeast of Phoenix and desert areas southeast of Gila Bend.

- * TIMING...Early afternoon through early evening Friday.
- * WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions. Peak gusts may create shifting crosswind and hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ560-564>567-569-570-120300-
 /O.CON.KPSR.WI.Y.0016.180511T2100Z-180512T0400Z/
 Joshua Tree NP West-Chuckwalla Mountains-
 Imperial County Southeast-Imperial County West-Imperial Valley-
 Palo Verde Valley-Chuckwalla Valley-
 Including the cities of Cottonwood Visitor,
 Lost Horse-Keys Village, Imperial Hot Mineral Springs,
 Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,
 Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,
 Martinez Lake, Blythe, Palo Verde, Ripley, and Midland
 1023 AM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO
 9 PM PDT THIS EVENING...

- * AFFECTED AREA...Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park.
- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may

cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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WWUS75 KPSR 112101

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

201 PM MST Fri May 11 2018

AZZ553-554-559-120300-

/O.CON.KPSR.DU.Y.0010.000000T0000Z-180512T0100Z/

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Northwest Pinal County-West Pinal County-

Sonoran Desert Natl Monument-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

201 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 6 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...The lower deserts to the south and southeast
of Phoenix and desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

* VISIBILITY...Visibility may fall to under one-half mile in
some locations.* Impacts...Gusty winds will create areas of dense blowing dust
and low visibility which will create dangerous driving
conditions. Peak gusts may create shifting crosswind and
hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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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AZZ539-120100-
/O.CON.KPSR.DU.Y.0010.000000T0000Z-180512T0100Z/
Gila Bend-
Including the cities of Gila Bend and Sentinel
201 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 6 PM MST THIS EVENING...

* TIMING...Late Friday morning through Friday evening.

* WINDS...Southwest winds of 20 to 25 mph with gusts to 40 mph.

* VISIBILITY...Visibility may fall to under one-half mile in some locations.

* IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions.

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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AZZ552-555-557-558-560-561-563-120300-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/
Superior-Apache Junction/Gold Canyon-Mazatzal Mountains-
Pinal/Superstition Mountains-San Carlos-Dripping Springs-

Southeast Gila County-

Including the cities of Superior, Apache Junction, Sunflower,
San Carlos, Peridot, Hayden, and Winkelman

201 PM MST Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...Higher terrain areas of southern Gila County,
the lower deserts to the south and southeast of Phoenix and
desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

* IMPACTS...Gusty winds will create areas of dense blowing dust
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for high profile vehicles. In addition, strong winds over desert
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caution.

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CAZ560-564>567-569-570-120400-

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0400Z/

Joshua Tree NP West-Chuckwalla Mountains-

Imperial County Southeast-Imperial County West-Imperial Valley-

Palo Verde Valley-Chuckwalla Valley-

Including the cities of Cottonwood Visitor,

Lost Horse-Keys Village, Imperial Hot Mineral Springs,

Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,

Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,

Martinez Lake, Blythe, Palo Verde, Ripley, and Midland

201 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

* AFFECTED AREA...Far southeast California, including portions

of Imperial and eastern Riverside County as well as Joshua Tree National Park.

- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ562-121000-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
201 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially

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of Science and Technology

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WWUS76 KSGX 112108
NPWSGX

URGENT - WEATHER MESSAGE
National Weather Service San Diego CA
208 PM PDT Fri May 11 2018

CAZ055-056-058-060>062-065-121200-
/O.CON.KSGX.WI.Y.0016.000000T0000Z-180512T1200Z/
San Bernardino County Mountains-Riverside County Mountains-
San Diego County Mountains-Apple and Lucerne Valleys-
Coachella Valley-San Diego County Deserts-
San Geronio Pass Near Banning-
Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs
208 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

- * Winds...West to southwest 20 to 30 mph with gusts to 50 mph.
Isolated gusts to 60 mph.
- * Timing...Winds peak through this evening, then slowly subside
overnight.
- * Location...Mountain ridge tops to the deserts.
- * Visibility...Patchy visibility of less than 1 mile in blowing
dust and sand.
- * Impacts...Strong crosswinds will make driving difficult at
times for high profile vehicles. Reduced visibility in blowing
dust and sand at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving difficult...
especially for high profile vehicles. Use extra caution.

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Gregoria

☐

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FSUS46 KSGX 112114

QPSSGX

Quantitative Precipitation Forecast

National Weather Service San Diego CA

214 PM PDT Fri May 11 2018

Precipitation Forecast in Inches in 6-Hour Periods...

[Beginning times for each period are in local time...]
 [For example...05Thu]
 [...11Thu is a forecast for 5 AM to 11 AM Thursday]
 [For example...23Thu]
 [...05Fri is a forecast for 11 PM Thursday to 5 AM Friday]

...Orange County Coastal Areas...

17Fri 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun
 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun 05Mon

Huntington Beach

0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Newport Beach

0.04 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Laguna Beach

0.07 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

San Clemente

0.03 0.03 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00

...Orange County Inland Areas...

17Fri 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun
 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun 05Mon

Anaheim

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Fullerton

0.01 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Brea

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Villa Park

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

...Santa Ana Mountains And Foothills...

17Fri 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun
 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun 05Mon

Fremont Canyon

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Silverado Canyon, 3 Mi East of Silverado

0.02 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Modjeska Preserve

0.04 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Santiago Peak

0.06 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Santa Rosa Plateau

0.04 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

...San Bernardino And Riverside County Valleys-The Inland Empire...

17Fri 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun
 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun 05Mon

Ontario

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

San Bernardino

0.05 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Beaumont

0.01 0.03 0.01 0.00 0.01 0.01 0.00 0.00 0.00 0.00

Riverside

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Perris Valley Channel

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Prado Dam

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Temecula

0.03 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Hemet

0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

...Riverside County Mountains...

17Fri 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun
 23Fri 05Sat 11Sat 17Sat 23Sat 05Sun 11Sun 17Sun 23Sun 05Mon

Idyllwild

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

...Coachella Valley...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Palm Springs

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thermal									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

...San Bernardino County Mountains...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

San Antonio Dam

0.02	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
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Lytle Creek

0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Wrightwood

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Lake Arrowhead

0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Big Bear Lake

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Big Morongo Canyon

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

...Apple And Lucerne Valleys...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Hesperia

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Victorville

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Apple Valley

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

...San Diego County Coastal Areas...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Oceanside

0.04	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Miramar

0.04	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

San Diego International Airport

0.02	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Chula Vista

0.02	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

San Ysidro

0.01	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

...San Diego County Valleys...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Fallbrook

0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Rancho Bernardo

0.03	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

La Mesa

0.04	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

El Cajon

0.04	0.03	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

...San Diego County Mountains...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Palomar Mountain

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Julian

0.02	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Mount Laguna

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

Campo

0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

...San Diego County Deserts...

17Fri	23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun
23Fri	05Sat	11Sat	17Sat	23Sat	05Sun	11Sun	17Sun	23Sun	05Mon

Borrego Springs

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------	------	------	------	------	------	------	------	------	------

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DISCUSSION...

Light showers will develop tonight and continue through Saturday. The showers will be focused along the coast and the lower coastal mountains slopes. Inland valleys will also receive showers as well. Rainfall amounts at most locales west of the mountains will range from a few hundredths to a tenth of an inch, but a quarter inch is possible, particularly across San Diego County. No rain will occur across the deserts.

\$\$

Gregoria

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FXUS65 KPSR 112121

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

221 PM MST Fri May 11 2018

.SYNOPSIS...

An upper-level disturbance approaching the region from the north will begin a cooling trend today that will continue into Saturday. Windy and dry conditions will also cause very high fire danger across all of Arizona and far southeast California today and for the higher terrain east of Phoenix on Saturday. Near to slightly below normal temperatures will continue through Monday until weak high pressure allows warmer than normal temperatures to return for the middle of next week.

&&

.DISCUSSION...

An upper-low over the Great Basin remains well-defined over the western Great Basin, with accompanying upper-level cloud cover spreading across southeast California into central Arizona. The primary impact on our area continues to be the strengthening wind speeds, and accompanying threats related to fire weather and blowing dust. Afternoon observations show wind speeds have been slow to increase thus far, but now seeing fairly widespread gusts to around 30 kt across the lower deserts. GOES-16 imagery indicates some increase in blowing dust, especially across southwest Maricopa County and northwest/north-central Pinal County. A Blowing Dust Advisory remains in effect here until 6 PM MST. Humidities have also fallen to near/below 10 percent across many locations, and are combining with the strong winds and dry fuels to produce critical fire weather conditions. Expect gusty winds to continue into the evening, perhaps even peaking closer to sunset across south-central Arizona.

Breezy conditions will continue into Saturday, although wind speeds will be weaker than observed today. Will also see temperatures continue to cool down back near seasonal normals (low 90s for highs). Little change in the large-scale pattern into next week means temperatures will remain near or slightly above normal for at least a few days. The cutoff low over the Great Basin is forecast to weaken nearly in place and meander erratically through next week, maintaining broad and weak southwesterly flow aloft across the Southwest. Models continue to hint at a second weak

upper-level disturbance moving eastward from the Pacific into the Great Basin, which may bring a slight uptick in wind speeds. However, moisture will remain quite meager and expecting minimal chances for precipitation in the foreseeable future. Luckily, the excessive heat appears to remain at bay for the time being.

&&

.AVIATION... South-Central Arizona including KPHX, KIWA, and KSDL: Today's main aviation concerns will be gusty winds and blowing dust. South-southwest winds will be gusting up to 25 to 35 kts and this in turn will lead to areas of patchy blowing dust and reduced slantwise visibilities. Winds will be slow to weaken after sunset with gusty conditions persisting late into the evening. Skies will remain mostly clear with FEW to SCT high clouds aoa 25 kft.

Southeast California/Southwest Arizona including KIPL and KBLH: Today's main aviation concerns will be gusty winds and blowing dust. South-southwest winds will be gusting up to 35 to 40 kts with areas of blowing dust and reduced visibilities, particularly at KIPL. Winds will be slow to weaken after sunset with gusty conditions persisting late into the evening. Skies will remain mostly clear with FEW-SCT high clouds aoa 25 kft.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Monday through Friday:

Temperatures will be slightly above normal early next week amidst a slight warming trend, with high temperatures approaching the triple digits by Wednesday. Dry conditions will continue to support humidity values in the single digits for many locations each afternoon with poor to fair overnight recoveries. Typical May afternoon breezes are forecast each day with the usual upslope gustiness, with perhaps a slight increase in wind speeds into Friday.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning until 8 PM MST this evening for AZZ131>133.

Red Flag Warning from noon to 8 PM MST Saturday for AZZ133.

Wind Advisory until 8 PM MST this evening for AZZ552>555-557>561-563.

Blowing Dust Advisory until 6 PM MST this evening for AZZ539-553-554-559.

CA...Red Flag Warning until 8 PM PDT this evening for CAZ231-232.

Wind Advisory until 9 PM PDT this evening for CAZ560-564>567-569-570.

Wind Advisory until 5 AM PDT Saturday for CAZ562.

&&

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DISCUSSION...Rogers/Hopper

AVIATION...Hernandez

FIRE WEATHER...Hernandez

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FXUS66 KSGX 112158

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

258 PM PDT Fri May 11 2018

.SYNOPSIS...

The upper level low moving into the Great Basin is bringing substantial cooling to Southern California. A low level trough will be moving across the area Saturday morning. Lift ahead of this feature will result in light showers developing and affecting areas from the coast to the lower elevation coastal mountain slopes. Abundant cloudiness, cool conditions, along with a few showers will continue through Saturday. The low pressure trough will weaken early next week with moderating temperatures. However, another low pressure trough will move towards the state late next week, leading to another cooling trend along with perhaps another chance of light precipitation by next weekend.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

.SYNOPSIS...

Dramatic GOES-East satellite loop today with a Catalina Eddy spinning over the California Bight. This has locked in the marine layer stratus into the coastal basin today with no clearing. This has kept Max temps cooler than predicted for especially the inland valleys. The temp at our office is steady at only 59F degrees this afternoon! Have adjusted sky/temps to fit these trends. It is breezy along the coast due to the eddy's influence. Winds are increasing along the mountain ridges and desert slopes with Whitewater now reporting a gust to 58 mph. Winds are gusting 30-35 mph across the high desert. A Wind Advisory remains in effect through early Saturday morning for these locales where patchy blowing dust limiting visibility is possible.

The marine layer is deep with tops to 4000 feet. This layer of high relative humidity will be lifted overnight into Saturday, as a low level trough moves in from the north. There also will be a slight increase in moisture with a band of slightly higher PW moving in overnight, to about 0.70-0.80 inches per GFS. This increasing moisture and forcing of the moist boundary layer will result in the development of light showers tonight-Saturday. Hires model consensus is for shower activity to develop over the ocean east of the eddy, then rotating onshore the coast. This likely will be the focus, but showers will move into the inland

May 11, 2018 Exceptional Event, Imperial County**Appendix A**

valleys as well and develop across the lower elevation coastal mountain slopes.

Rainfall amounts are still forecast to be light, but have increased amounts a tad as some hi-res guidance is showing more than recent runs, especially Cansac WRF, which shows 1/3 of an inch along the San Diego County coast. The focus looks to be along the coast, but could transition to the lower elevation coastal mountain slopes on Saturday.

The Great Basin trough will slowly weaken. Sunday and through mid week we look to transition to a slow moderating temperature trend. We still will keep the marine layer, but it will be less deep and sunshine should return to the coast during the afternoons.

Looking ahead, global models continue to show yet another upper low moving towards the state late next week with specifics yet to be resolved in terms of track. It does look like another opportunity for cool conditions, strong winds over the mountains/deserts, and perhaps another chance of some shower activity.

&&

.AVIATION...

112000Z...Coast/Valleys/Coastal Mountain Slopes...Low clouds with bases 1500-2500 feet MSL and tops to 4000 feet will continue over the coastal and valley locations into Saturday morning. Cloud tops will rise to around 5000 feet by Saturday morning. Areas of coastal terrain will be obscured in fog between those elevations. Light showers possible between 00-15Z. Scatter out in most areas Saturday after 18Z.

Higher Mountains/Deserts...Scattered high clouds and unrestricted vis through Saturday. Areas of westerly winds 20-30 kt with gusts 35-50 kt through the night. In desert, local surface vis reduced to 2-4 miles in blowing dust. Winds will weaken early Saturday morning.

&&

.MARINE...

No hazardous marine weather conditions are expected through Tuesday.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory until 5 AM PDT Saturday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.



797

WWUS75 KPSR 120040

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

540 PM MST Fri May 11 2018

AZZ553-554-559-120300-

/O.EXT.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Northwest Pinal County-West Pinal County-

Sonoran Desert Natl Monument-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

540 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...The lower deserts to the south and southeast
of Phoenix and desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

* VISIBILITY...Visibility may fall to under one-half mile in
some locations.

* Impacts...Gusty winds will create areas of dense blowing dust
and low visibility which will create dangerous driving
conditions. Peak gusts may create shifting crosswind and
hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

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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AZZ539-120300-
/O.EXT.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/
Gila Bend-
Including the cities of Gila Bend and Sentinel
540 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 8 PM MST THIS EVENING...

* TIMING...Late Friday morning through Friday evening.

* WINDS...Southwest winds of 20 to 25 mph with gusts to 40 mph.

* VISIBILITY...Visibility may fall to under one-half mile in some locations.

* IMPACTS...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions.

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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AZZ552-555-557-558-560-561-563-120300-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/
Superior-Apache Junction/Gold Canyon-Mazatzal Mountains-
Pinal/Superstition Mountains-San Carlos-Dripping Springs-

Southeast Gila County-

Including the cities of Superior, Apache Junction, Sunflower,
San Carlos, Peridot, Hayden, and Winkelman

540 PM MST Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...Higher terrain areas of southern Gila County,
the lower deserts to the south and southeast of Phoenix and
desert areas southeast of Gila Bend.

* TIMING...Early afternoon through early evening Friday.

* WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.

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CAZ560-564>567-569-570-120300-

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0400Z/

Joshua Tree NP West-Chuckwalla Mountains-

Imperial County Southeast-Imperial County West-Imperial Valley-

Palo Verde Valley-Chuckwalla Valley-

Including the cities of Cottonwood Visitor,

Lost Horse-Keys Village, Imperial Hot Mineral Springs,

Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,

Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,

Martinez Lake, Blythe, Palo Verde, Ripley, and Midland

540 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

* AFFECTED AREA...Far southeast California, including portions

of Imperial and eastern Riverside County as well as Joshua Tree National Park.

- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ562-120300-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
540 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially

for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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Department of Agronomy

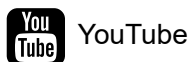
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of Science and Technology

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WWUS75 KPSR 120108

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

608 PM MST Fri May 11 2018

AZZ550-551-120300-

/O.EXA.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

South Mountain/Ahwatukee-Southeast Valley/Queen Creek-

Including the cities of Sun Lakes and Queen Creek

608 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM MST this evening.

- * AFFECTED AREA...The lower deserts to the south and southeast of Phoenix and desert areas southeast of Gila Bend.
- * TIMING...Early afternoon through early evening Friday.
- * WINDS...Southwest winds 20 to 30 mph with gusts up to 45 mph.
- * VISIBILITY...Visibility may fall to under one-half mile in some locations.
- * Impacts...Gusty winds will create areas of dense blowing dust and low visibility which will create dangerous driving conditions. Peak gusts may create shifting crosswind and hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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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AZZ553-554-559-120300-

/O.CON.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Northwest Pinal County-West Pinal County-

Sonoran Desert Natl Monument-

Including the cities of Casa Grande, Cactus Forest, Florence, and Coolidge

608 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

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Remember, pull aside, stay alive.

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AZZ539-120300-

/O.CON.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

Gila Bend-

Including the cities of Gila Bend and Sentinel

608 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* TIMING...Late Friday morning through Friday evening.

* WINDS...Southwest winds of 20 to 25 mph with gusts to 40 mph.

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Remember, pull aside, stay alive.

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AZZ552-555-557-558-560-561-563-120300-

/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Superior-Apache Junction/Gold Canyon-Mazatzal Mountains-

Pinal/Superstition Mountains-San Carlos-Dripping Springs-

Southeast Gila County-

Including the cities of Superior, Apache Junction, Sunflower,
San Carlos, Peridot, Hayden, and Winkelman
608 PM MST Fri May 11 2018

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for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

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CAZ560-564>567-569-570-120300-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0400Z/
Joshua Tree NP West-Chuckwalla Mountains-
Imperial County Southeast-Imperial County West-Imperial Valley-
Palo Verde Valley-Chuckwalla Valley-
Including the cities of Cottonwood Visitor,
Lost Horse-Keys Village, Imperial Hot Mineral Springs,
Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,
Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,
Martinez Lake, Blythe, Palo Verde, Ripley, and Midland
608 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

* AFFECTED AREA...Far southeast California, including portions
of Imperial and eastern Riverside County as well as Joshua

Tree National Park.

- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

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CAZ562-120300-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
608 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert

☐

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WWUS75 KPSR 120305

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

805 PM MST Fri May 11 2018

AZZ553-554-559-120415-

/O.EXP.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

/O.EXP.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Northwest Pinal County-West Pinal County-

Sonoran Desert Natl Monument-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

805 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY HAS EXPIRED...

...WIND ADVISORY HAS EXPIRED...

Winds have diminished with visibilities improving, ending the
threat for dense blowing dust.

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AZZ539-550-551-120415-

/O.EXP.KPSR.DU.Y.0010.000000T0000Z-180512T0300Z/

Gila Bend-South Mountain/Ahwatukee-Southeast Valley/Queen Creek-

Including the cities of Gila Bend, Sentinel, Sun Lakes,
and Queen Creek

805 PM MST Fri May 11 2018

...BLOWING DUST ADVISORY HAS EXPIRED...

Winds have diminished with visibilities improving, ending the
threat for widespread dense blowing dust.

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AZZ552-555-557-558-560-561-563-120415-

/O.EXP.KPSR.WI.Y.0016.000000T0000Z-180512T0300Z/

Superior-Apache Junction/Gold Canyon-Mazatzal Mountains-

Pinal/Superstition Mountains-San Carlos-Dripping Springs-

Southeast Gila County-

Including the cities of Superior, Apache Junction, Sunflower,
San Carlos, Peridot, Hayden, and Winkelman

805 PM MST Fri May 11 2018

...WIND ADVISORY HAS EXPIRED...

Winds are now diminishing, and are expected to continue to diminish through the rest of the evening.

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CAZ560-564>567-569-570-120415-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T0400Z/
Joshua Tree NP West-Chuckwalla Mountains-
Imperial County Southeast-Imperial County West-Imperial Valley-
Palo Verde Valley-Chuckwalla Valley-
Including the cities of Cottonwood Visitor,
Lost Horse-Keys Village, Imperial Hot Mineral Springs,
Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,
Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,
Martinez Lake, Blythe, Palo Verde, Ripley, and Midland
805 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

- * AFFECTED AREA...Far southeast California, including portions of Imperial and eastern Riverside County as well as Joshua Tree National Park.
- * TIMING...Early afternoon through mid evening on Friday.
- * WINDS...Southwest to west winds 20 to 30 mph with gusts up to 45 mph.
- * IMPACTS...Gusty winds will generate areas of dense blowing dust, leading to hazardous driving conditions. Peak gusts may cause hazardous driving conditions for high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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CAZ562-120415-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
805 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

* AFFECTED AREA...Far southwest Imperial County.

* TIMING...Noon Friday through 5 am Saturday.

* WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.

* IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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URGENT - WEATHER MESSAGE
National Weather Service Phoenix AZ
857 PM MST Fri May 11 2018

CAZ560-564>567-569-570-120500-
/O.EXP.KPSR.WI.Y.0016.000000T0000Z-180512T0400Z/
Joshua Tree NP West-Chuckwalla Mountains-
Imperial County Southeast-Imperial County West-Imperial Valley-
Palo Verde Valley-Chuckwalla Valley-
Including the cities of Cottonwood Visitor,
Lost Horse-Keys Village, Imperial Hot Mineral Springs,
Winterhaven, Coolidge Springs, Salton City, Winona, Coyote Wells,
Ocotillo, Plaster City, El Centro, Calexico, Alamo, Brawley,
Martinez Lake, Blythe, Palo Verde, Ripley, and Midland
857 PM PDT Fri May 11 2018

...WIND ADVISORY WILL EXPIRE AT 9 PM PDT THIS EVENING...

Winds are now diminishing, and are expected to continue to
diminish through the rest of the evening.

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CAZ562-121200-
/O.CON.KPSR.WI.Y.0016.000000T0000Z-180512T1200Z/
Imperial County Southwest-
Including the city of Mountain Spring
857 PM PDT Fri May 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT SATURDAY...

- * AFFECTED AREA...Far southwest Imperial County.
- * TIMING...Noon Friday through 5 am Saturday.
- * WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.
- * IMPACTS...Gusty winds may generate areas of dense blowing
dust, and may result in dangerous driving conditions,
especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under

a mile at times in blowing dust or blowing sand. Use extra caution.

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AFDSGX

Area Forecast Discussion
National Weather Service San Diego CA
925 PM PDT Fri May 11 2018

.SYNOPSIS...

A deep marine layer associated with the large Catalina Eddy spinning over the coastal waters will bring areas of light rain over and west of the mountains tonight through Saturday morning. A trough of low pressure over the Great Basin will keep our weather cooler than average through Sunday. The trough weakens early next week for minor warming, but another trough will bring another round of cooler weather late next week.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

.SYNOPSIS...

Light rain was reported at many coastal and valley stations this evening. Rain amounts were light with only trace amounts to a few hundredths of an inch in most areas. However, there were a couple reporting stations in the San Bernardino and Orange County mountain foothills that recorded over 0.10". A precipitation summary was issued this evening.

A large Catalina Eddy spinning over the coastal waters has deepened the marine layer to over 4200 feet this evening. The T/Td at Julian were both 43 at 8 PM, with clouds and fog shrouding the lower west facing slopes of the mountains. The same applies to the Riverside and San Bernardino County mountains where low clouds and fog have filled the San Geronimo Pass and the Cajon Pass. The clouds and deep marine layer kept temperatures in check today with record low highs at Vista (62) and El Cajon (64).

It was breezy/windy today at the coast today with sustained winds from 15-20 mph at Huntington Beach, San Clemente Pier, and Solana Beach. The strongest winds were in the mountains and deserts with 55 mph gusts at Volcan Mountain and Harrison Park in the San Diego County Mountains, 45 mph at Coachella, and 43 mph at Palm Springs. A Wind Advisory remains in effect through early Saturday morning for these areas.

From Previous Discussion

This layer of high relative humidity will be lifted overnight into Saturday, as a low level trough moves in from the north. There also

May 11, 2018 Exceptional Event, Imperial County

will be a slight increase in moisture with a band of slightly higher PW moving in overnight, to about 0.70-0.80 inches per GFS. This increasing moisture and forcing of the moist boundary layer will result in the development of light showers tonight-Saturday. Hi-res model consensus is for shower activity to develop over the ocean east of the eddy, then rotating onshore the coast. This likely will be the focus, but showers will move into the inland valleys as well and develop across the lower elevation coastal mountain slopes.

Rainfall amounts are still forecast to be light, but have increased amounts a tad as some hi-res guidance is showing more than recent runs, especially Cansac WRF, which shows 1/3 of an inch along the San Diego County coast. The focus looks to be along the coast, but could transition to the lower elevation coastal mountain slopes on Saturday.

The Great Basin trough will slowly weaken. Sunday and through mid week we look to transition to a slow moderating temperature trend. We still will keep the marine layer, but it will be less deep and sunshine should return to the coast during the afternoons.

Looking ahead, global models continue to show yet another upper low moving towards the state late next week with specifics yet to be resolved in terms of track. It does look like another opportunity for cool conditions, strong winds over the mountains/deserts, and perhaps another chance of some shower activity.

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.AVIATION...

120415Z...Coast/Valleys/Coastal Mountain Slopes...Low clouds with variable bases 1000-2500 ft MSL and tops to 7000 ft MSL will continue through Saturday morning with areas of -SHRA reducing vis to 3-5 miles at times. Higher terrain will be obscured in clouds/fog at times. Only partial clearing is expected Saturday afternoon with bases generally rising to 2500-4000 ft MSL with tops likely around 6000 ft MSL.

Desert Mountain Slopes/Deserts...Mostly clear skies will prevail through Saturday. Areas of westerly winds 20-30 kt with gusts 35-50 kt will continue overnight, weakening to 15-25 kt with gusts 25-35 kt Saturday. In the desert, local surface vis will be reduced to 2-4 miles in blowing dust, but otherwise vis will be unrestricted.

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.MARINE...

No hazardous marine weather conditions are expected through Tuesday.

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.SGX WATCHES/WARNINGS/ADVISORIES...

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WWUS76 KSGX 121104
NPWSGX

URGENT - WEATHER MESSAGE
National Weather Service San Diego CA
404 AM PDT Sat May 12 2018

CAZ055-060-121215-
/O.CAN.KSGX.WI.Y.0016.000000T0000Z-180512T1200Z/
San Bernardino County Mountains-Apple and Lucerne Valleys-
404 AM PDT Sat May 12 2018

...WIND ADVISORY IS CANCELLED...

The National Weather Service in San Diego has cancelled the Wind Advisory.

Gusty southwest to west winds...mostly 35 mph or less...will continue to subside this morning.

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CAZ056-058-061-062-065-121215-
/O.CON.KSGX.WI.Y.0016.000000T0000Z-180512T1200Z/
Riverside County Mountains-San Diego County Mountains-
Coachella Valley-San Diego County Deserts-
San Gorgonio Pass Near Banning-
Including the cities of Julian, Coachella, Borrego Springs,
and Desert Hot Springs
404 AM PDT Sat May 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT EARLY THIS MORNING...

- * Winds...Areas of west winds 20 to 30 mph with gusts to 50 mph. Isolated gusts to 60 mph in the northern Coachella Valley below the San Gorgonio Pass and near the ridge tops of the San Diego County mountains.
- * Timing...Winds will slowly subside through this morning.
- * Location...Mountain ridge tops and along desert mountain slopes into the deserts.
- * Visibility...Locally reduced in blowing sand and blowing dust in the deserts.
- * Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. Watch for broken tree limbs and downed palm fronds. In the deserts...areas of blowing dust and sand could locally reduce visibility at times.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that winds will make driving difficult... especially for high profile vehicles. Use extra caution.

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NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

433 AM MST Sat May 12 2018

CAZ562-121500-

/O.EXT.KPSR.WI.Y.0016.000000T0000Z-180512T1500Z/

Imperial County Southwest-

Including the city of Mountain Spring

433 AM PDT Sat May 12 2018

...WIND ADVISORY NOW IN EFFECT UNTIL 8 AM PDT THIS MORNING...

* AFFECTED AREA...Far southwest Imperial County.

* TIMING...now through 8 am Saturday.

* WINDS...Southwest winds 20 to 35 mph with gusts over 50 mph.

* IMPACTS...Gusty winds may generate areas of dense blowing dust, and may result in dangerous driving conditions, especially for high profile vehicles on Interstate 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

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