

000
FXUS65 KVEF 151037
AFDVEF

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
337 AM PDT MON APR 15 2013

.SYNOPSIS...A STORM SYSTEM WILL BRING STRONG WINDS AND COOLER TEMPERATURES AREAWIDE TODAY THROUGH WEDNESDAY...ALONG WITH CHANCES FOR SHOWERS FROM GENERALLY LAS VEGAS NORTH WITH THE SNOW ABOVE 5000 FEET. DRY AND WARMER WEATHER WILL RETURN LATE IN THE WEEK.
&&

.SHORT TERM...TODAY THROUGH WEDNESDAY NIGHT...WINDS REALLY KICKED UP ACROSS THE WESTERN MOJAVE DESERT LAST EVENING CLOSING I-40 FOR A TIME EAST OF BARSTOW DUE TO BLOWING DUST. THAT SUSPENDED DUST HAS WORKED NORTH AND EAST INTO PARTS OF SOUTHERN NEVADA AND NORTHWEST ARIZONA PRODUCING SOME RESTRICTION IN THE VISIBILITY.

THERE MAY BE A BRIEF REPRIEVE IN WIND SPEEDS LATER THIS MORNING...BUT WINDS WILL RETURN THIS AFTERNOON AND TONIGHT AS SHORTWAVE ENERGY FROM THE GULF OF ALASKA DIGS SOUTH INTO NORTHERN CALIFORNIA. POTENTIALLY DAMAGING WINDS IN EXCESS OF 60 MPH ARE EXPECTED ACROSS NORTHWEST SAN BERNARDINO COUNTY. MADE NO CHANGE TO EXISTING WIND HEADLINES. AN E-W BAND OF RAIN/SNOW SHOWERS WILL GENERALLY STAY ALONG AND NORTH OF HIGHWAY 50 THROUGH TONIGHT. DID TRIM BACK POPS/WX FROM OUR NORTHERN ZONES TODAY AND TONIGHT. NEAR NORMAL TEMPERATURES EXPECTED TODAY.

A DEEP TROUGH WILL BE CARVED OUT ACROSS THE GREAT BASIN TUESDAY AS SHORTWAVE DIVES SOUTHEAST ACROSS THE SOUTHERN GREAT BASIN AND MOJAVE DESERT TUESDAY AND TUESDAY NIGHT. THIS WILL BRING A SHIFT IN WINDS FROM THE NORTHWEST. A WIND ADVISORY MAY BE NEEDED FOR THE OWENS VALLEY AND ESMERALDA/CENTRAL NYE COUNTY. THIS CAN BE ADDRESSED LATER. TROUGH WILL HAVE LIMITED MOISTURE TO WORK WITH...HOWEVER AIR MASS WILL DESTABILIZE UNDER COLD POOL ALOFT TUESDAY AFTERNOON AND NIGHT LEADING TO THE DEVELOPMENT OF ISOLD-SCT SHOWERS. DID INCLUDE THE MENTION OF THUNDERSTORMS TUESDAY AFTERNOON FOR LINCOLN COUNTY. AREA WILL LIES UNDER A COOL NORTHERLY FLOW WEDNESDAY AS TROUGH SLOWLY SHIFTS EAST INTO THE FOUR CORNERS. DID EXPAND OUR POPS SOME ACROSS EASTERN LINCOLN AND NORTHERN MOHAVE COUNTIES WEDNESDAY DUE TO SLOWER EXIT OF TROUGH. OTHER ISSUE WILL BE NORTH WINDS DOWN THE COLORADO RIVER VALLEY WITH THE POTENTIAL OF A LAKE WIND ADVISORY OR WIND ADVISORY BEING NEEDED. BELOW NORMAL TEMPERATURES TUESDAY AND WEDNESDAY.

.LONG TERM...MODELS CONTINUE TO TREND A LITTLE SLOWER WITH EJECTING OUT THE AFOREMENTIONED SYSTEM FROM THE SOUTHWEST...WHICH WILL RESULT IN STRONGER AND COLDER NORTHERLY FLOW ALOFT OVER OUR AREA ON THURSDAY. AS A RESULT I ADJUSTED HIGHS DOWN A FEW DEGREES WHICH WILL STILL KEEP READINGS ABOUT 6-10 DEGREES BELOW NORMAL. NORTH-SOUTH SURFACE PRESSURE GRADIENTS AND UPPER LEVEL SUPPORT ARE NOT AS GREAT AS ON WEDNESDAY...BUT STILL UP ENOUGH TO GENERATE NORTH WINDS OF 20-35 MPH IN THE COLORADO RIVER VALLEY ESPECIALLY IN THE LAUGHLIN-BULLHEAD CITY AREA. BY FRIDAY A RIDGE ALOFT OFF THE COAST OF CALIFORNIA TRIES TO NUDGE INLAND AND RAISE HEIGHTS WHICH SHOULD

PUSH HIGH TEMPS BACK CLOSER TO NORMAL. GRADIENTS AND UPPER SUPPORT SHOULD FINALLY WEAKEN ENOUGH TO LOWER WINDS IN THE COLORADO RIVER VALLEY.

THE MODELS NOW SHOW ANOTHER SHORTWAVE TROUGH DROPPING OUT OF THE PAC NW FRIDAY NIGHT AND MOVE IT ACROSS NORTHEASTERN NEVADA ON SATURDAY. THE 00Z ECMWF AND GEM ARE DEEPER WITH THIS FEATURE THAN THE GFS AND AS A RESULT BRING THE POSSIBILITY OF A FEW SHOWERS AS FAR SOUTH AS EASTERN LINCOLN COUNTY. I DID GO AHEAD AND PLACE HIGH END GHOST POPS IN THIS AREA...BUT GIVEN THE TRAJECTORY ANY SHOWERS WOULD BE VERY LIGHT. THIS FEATURE SHOULD NOT BE ENOUGH TO LIMIT WARMING OVER THE REMAINDER OF THE AREA AND ELSEWHERE IT LOOKS DRY WITH ABOVE NORMAL TEMPS FOR SATURDAY. BY SUNDAY THE RIDGE OFFSHORE IS FINALLY EXPECTED TO MOVE INLAND ALLOWING FOR FURTHER WARMING WITH HIGHS ABOUT 5-7 DEGREES ABOVE NORMAL. ANOTHER WEAK UPPER LOW MAY APPROACH CALIFORNIA FROM THE PACIFIC NEXT MONDAY AND BRING SOME HIGH CLOUDS WITH IT. OTHERWISE IT LOOKS WARM AND DRY THEN.

&&

.AVIATION...FOR MCCARRAN...WINDS AT KLAS LOOK TO TURN TO THE EAST TO SOUTHEAST AROUND 16Z TODAY...THEN BECOME SOUTHWEST AROUND 20Z TODAY. WINDS WILL THEN INCREASE FROM THE SOUTHWEST THROUGH THE REMAINDER OF THE AFTERNOON INTO THIS EVENING WITH SUSTAINED WINDS OF 25-35 KTS EXPECTED AND GUSTS TO 45 KTS POSSIBLE. GUSTY SOUTHWEST WINDS WILL CONTINUE THROUGH TONIGHT WITH ANY WIND SHIFT TO THE NORTHWEST NOT EXPECTED UNTIL SOMETIME BETWEEN 14Z AND 18Z TUESDAY. LOFTED DUST WILL CAUSE VSBY TO REDUCED AT TIMES...BUT IT STILL SHOULD MAINLY BE VFR. POSSIBLE MOUNTAIN SHOWERS ON TUESDAY COULD