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Area Forecast Discussion

Issued by NWS Las Vegas, NV

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AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
325 AM PDT WED JUL 10 2013

.SYNOPSIS...[MOISTURE](#) WILL INCREASE ACROSS THE REGION TODAY THROUGH THE END OF THE WEEK AND RESULT IN AN INCREASING CHANCE OF THUNDERSTORMS EACH DAY. THUNDERSTORMS WILL HAVE THE POTENTIAL TO PRODUCE HEAVY RAIN THURSDAY THROUGH FRIDAY. THE INCREASED [MOISTURE](#) WILL LEAD TO COOLER TEMPERATURES.
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.SHORT TERM...[MOISTURE ADVECTION](#) OUT OF THE SOUTH AND INTO THE FORECAST AREA COULD POTENTIALLY BE IN FULL FORCE TODAY...WITH THE AREA OF HIGH PRESSURE EAST OF THE FOUR CORNERS STILL EXPECTED TO TRANSITION SOUTHEAST TODAY AND TURN MID LEVEL [FLOW](#) MORE SOUTHEASTERLY. OUTFLOWS ASSOCIATED WITH A LARGE [THUNDERSTORM](#) COMPLEX OVER MEXICO SIMILAR TO LAST NIGHT BUT FARTHER NORTH...CURRENTLY JUST OVER THE ARIZONA/MEXICO BORDER...WILL [LIKELY](#) GIVE A BOOST TO [MOISTURE ADVECTION](#) TODAY IN THE LOWER LEVELS. THIS COMPLEX HAS ALREADY SENT OUT A LARGE [OUTFLOW](#) TO THE NORTHWEST...AND A QUICK LOOK AT THE YUMA [VAD](#) WIND PROFILE SHOWS 25-30KTS OUT OF THE SOUTH/SOUTHEAST UP TO ROUGHLY 7000FT. THIS IS GREATER THAN ANY OF THE OPERATIONAL MODEL TIME HEIGHTS AT THIS TIME. DID NOT MAKE ANY BIG CHANGES TO TODAY'S FORECAST...OPTING TO LET THE NEXT SHIFT MAKE THE DETERMINATION OF WHETHER OR NOT TO SIGNIFICANTLY INCREASE [THUNDERSTORM](#) CHANCES TODAY AFTER SEEING HOW THE NEXT COUPLE HOURS PLAYS OUT AND 12Z GUIDANCE COMES IN. IF A SIGNIFICANT LOWER LEVEL PUSH DOES NOT OCCUR...WOULD NOT EXPECT CONDITIONS TO BE UNSTABLE ENOUGH FOR ANYTHING MORE THAN [ISOLATED](#) TO WIDELY [SCATTERED](#) DEVELOPMENT THIS AFTERNOON OVER THE HIGHER TERRAIN OF THE SOUTHERN HALF OF THE FORECAST AREA. THURSDAY STILL LOOKS TO BE AN [ACTIVE](#) DAY AS THE REMNANTS OF AN EASTERLY WAVE PASS OVER THE AREAS AND ADD SOME ADDITIONAL [DYNAMICS](#) TO THE MIX. [POPS](#) WERE INCREASED ON THURSDAY WITH HIGHER CONFIDENCE IN MORE WIDESPREAD [CONVECTION](#)...ESPECIALLY OVER THE EASTERN ZONES...WITH HEAVY RAIN AND [FLASH](#) FLOODING THE MAJOR CONCERN.

.LONG TERM...FRIDAY THROUGH TUESDAY...MODEL UNCERTAINTY CONTINUES ON FRIDAY WITH A DRIER [GFS](#) VERSUS THE WETTER [ECMWF](#) WHICH WILL BEST BE HANDLED WITH A CONTINUED COMPROMISE. THUS MONSOONAL [MOISTURE](#) IS EXPECTED TO REMAIN OVER THE EASTERN HALF OF THE [CWA](#) FOR FRIDAY AFTERNOON/EVENING...WHILE DRIER CONDITIONS ARE EXPECTED OVER THE WESTERN PORTION OF THE AREA. BY SATURDAY AND CONTINUING INTO MONDAY MODELS ARE IN FAIRLY GOOD AGREEMENT THAT A SLOW DRYING WILL BE SEEN OVER THE EASTERN PORTION OF THE [CWA](#)...BUT ENOUGH [MOISTURE](#)/[INSTABILITY](#) TO REMAIN OVER MAINLY SOUTHEASTERN SAN BERNARDINO... CLARK...LINCOLN...AND MOHAVE COUNTIES TO CONTINUE MENTION OF [ISOLATED](#)/[SCATTERED](#) MAINLY AFTERNOON AND EVENING THUNDERSTORMS. ALTHOUGH LOCALLY HEAVY [RAINFALL](#) MAY BE SEEN FROM THESE STORMS...DUE TO THE DRYING THAT IS EXPECTED...[RAINFALL](#) AMOUNTS SHOULD BE LESS THAN WHAT IS EXPECTED THURSDAY AND FRIDAY. BY TUESDAY HOWEVER... ANOTHER PUSH OF [MOISTURE](#) IS LOOKED FOR OVER THE EASTERN SECTIONS WHICH MAY LEAD TO A HIGHER CHANCE OF HEAVIER [RAINFALL](#) ONCE AGAIN. DUE TO THE INCREASED CLOUDS/SHOWERS ON FRIDAY TEMPERATURES ARE EXPECTED TO BE BELOW [NORMAL](#)...THEN WARM TO NEAR [NORMAL](#) AS DRYING TAKES PLACE OVER THE WEEKEND.
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.AVIATION...FOR MCCARRAN...SOUTHWEST WINDS EXPECTED TO BECOME LIGHT AND VARIABLE WINDS FOR THE MAJORITY OF THE MORNING BEFORE SOUTH/SOUTHWEST WINDS KICK IN AGAIN DURING THE AFTERNOON AROUND 10 [KTS](#). [MOISTURE](#)/CLOUDS WILL BE ON THE INCREASE AND THERE IS A SLIGHT CHANCE OF AFTERNOON THUNDERSTORMS OVER THE SPRING MOUNTAINS BUT NONE EXPECTED IN THE VALLEY AT THIS TIME. [SCT-BKN](#) CLOUDS WITH BASES AT 12-15 KFT ARE EXPECTED.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...LIGHT WINDS IN GENERAL THROUGH THE MORNING WILL BECOME SOUTH/SOUTHWEST THIS AROUND 10 [KTS](#) ON AVERAGE. [MOISTURE](#)/CLOUDS WILL INCREASE WITH [ISOLATED](#) THUNDERSTORMS IN THE AFTERNOON POSSIBLE PRIMARILY SOUTHERN MOHAVE COUNTY...SAN BERNARDINO COUNTY...AND THE SIERRA [CREST](#).
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.FIRE WEATHER... HIGH PRESSURE WILL SHIFT EAST TO NEW MEXICO TODAY AND THURSDAY. THIS WILL ALLOW [MOISTURE](#) TO INCREASE FROM THE SOUTHEAST...WITH [ISOLATED](#) THUNDERSTORMS POSSIBLE THIS AFTERNOON OVER SOUTHERN MOHAVE COUNTY...SAN BERNARDINO COUNTY...AND THE SIERRA [CREST](#) AND MOUNTAINS OF CLARK COUNTY. [THUNDERSTORM](#) COVERAGE AND [MOISTURE](#) WILL INCREASE FURTHER ON THURSDAY AS A DISTURBANCE

APPROACHES THE AREA FROM THE SOUTH. THE TRACK AND SPEED OF THIS DISTURBANCE REMAINS IN QUESTION...THEREFORE THE EXACT LOCATION AND TIMING OF THE STORMS...ESPECIALLY THE HEAVY RAIN PRODUCERS IS UNCERTAIN AT THIS TIME. THERE WILL BE A THREAT FOR DRY [LIGHTNING](#) AND NEW FIRE STARTS ON THE NORTHERN AND WESTERN EDGE OF THIS [MOISTURE SURGE](#) THURSDAY. DRIER AIR LOOKS TO START MOVING IN FROM THE WEST FRIDAY BUT PLENTY OF [MOISTURE](#) AND [INSTABILITY](#) WILL REMAIN OVER THE EASTERN HALF OR THREE QUARTERS OF THE AREA FOR CONTINUED THUNDERSTORMS WITH WETTING RAIN. BESIDES THE EARLIER MENTIONED DRY [LIGHTNING](#) CONCERN...A BIT CONCERN WILL BE HEAVY RAIN AND RECENT BURN AREAS...WITH ENHANCED [RUNOFF](#) POTENTIAL LEADING TO [FLASH](#) FLOODING AND DEBRIS FLOWS.
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.VEF WATCHES/WARNINGS/ADVISORIES...

NV...NONE

AZ...NONE

CA...NONE

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KENNEDY/JENSEN

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Page last modified: Jun 3rd, 2013 15:31 UTC

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