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Area Forecast Discussion

Issued by NWS Las Vegas, NV

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FXUS65 KVEF 201649
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AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
945 AM PDT [SAT](#) JUL 20 2013

.SYNOPSIS...[ACTIVE](#) WEATHER IS EXPECTED OVER THE NEXT SEVERAL DAYS AS [MONSOON MOISTURE](#) CONTINUES TO INCREASE ACROSS THE AREA AND RESULT IN BROADER [THUNDERSTORM](#) COVERAGE. THE PRIMARY THREAT FROM STORMS TODAY AND INTO EARLY NEXT WEEK WILL BE HEAVY RAIN AND THE POTENTIAL FOR [FLASH](#) FLOODING.

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.UPDATE...[MOISTURE](#) CONTINUES TO INCREASE ACROSS THE SOUTHERN HALF OF THE AREA WITH [DEW](#) POINTS UP AROUND 10 DEG AND [PW](#) VALUES UP AROUND A QUARTER INCH. MAIN FOCUS FOR STORMS TODAY WILL BE MOHAVE COUNTY WHERE THE BEST [INSTABILITY](#) REMAINS...BUT [NEG LI](#) VALUES AND HIGHER [CAPE](#) ALSO EXTENDS FURTHER WEST INTO SAN BERNARDINO...CLARK AND SOUTHERN LINCOLN COUNTIES. HIRS MODELS SHOW THUNDERSTORMS DEVELOPING AFTER 19Z OVER AREAS EAST OF MOHAVE COUNTY AND THEN PUSHING WEST THROUGH THE DAY. 500 [MB FLOW](#) FROM THE LAS/[FLG](#) SOUNDINGS SHOW WINDS EASTERLY AROUND 20-25KTS SO STORMS MAY MOVE FAIRLY QUICK. HOWEVER...WITH HIGH [MOISTURE](#) AVAILABLE [FLASH](#) FLOODING AND [ISOLATED](#) SEVERE STORMS WILL BE A CONCERN. WILL MAKE AN UPDATE TO INCLUDE [ISOLATED](#) SHOWERS FOR SOUTHERN PORTIONS OF SAN BERNARDINO COUNTY THIS MORNING.

.PREV DISCUSSION...
328 AM PDT JUL 20 2013

.SHORT TERM...SATURDAY THROUGH SUNDAY NIGHT...DEBRIS CLOUDS THAT SPREAD ACROSS THE AREA THIS MORNING FROM YESTERDAYS [CONVECTION](#) MAY HANG AROUND LONG ENOUGH TODAY TO INHIBIT NEW [THUNDERSTORM CELL](#) DEVELOPMENT INITIALLY. THE LATEST MODEL FORECASTS FOR THE WEEKEND HAS NOT CHANGED SIGNIFICANTLY FROM PREVIOUS RUNS WITH ALL THE INGREDIENTS COMING TOGETHER FOR [SCATTERED](#) STORMS TO DEVELOP ACROSS MUCH OF THE SOUTH AND EASTERN FORECAST AREA. THE DEEPEST [MOISTURE](#) AND MOST [UNSTABLE AIR](#) IS FORECAST OVER THE SOUTHEAST [CWA](#) TODAY AND [FLASH](#) FLOODING WILL BE A HIGH CONCERN FOR THIS AFTERNOON AND ESPECIALLY IN THIS AREA. LOOK FOR [THUNDERSTORM OUTFLOW](#) OVER ARIZONA TO INITIATE [CONVECTION](#) FURTHER WEST THIS AFTERNOON AND TONIGHT AS STORMS MOVE WITH THE EAST TO WEST STEERING [FLOW](#) AND DESTABILIZE THE AIRMASS. HOWEVER...THERE ARE TWO LIMITING FACTORS AT PLAY FOR TODAY. ONE IS CLOUD COVER AND THE OTHER IS A LACK OF ANY WELL DEFINED [IMPULSE](#) TO TRIGGER AND FOCUS STORMS. SUNDAY CONTINUES TO LOOK LIKE THE BETTER DAY AS AN INVERTED [TROUGH](#) APPROACHES AND MOVES INTO THE AREA SUNDAY AFTERNOON AND ACTS ON ABUNDANT AVAILABLE [MOISTURE](#) IN AN INCREASINGLY UNSTABLE [ATMOSPHERE](#). [FLASH FLOOD](#) WATCHES ARE IN PLACE FOR BOTH TODAY AND SUNDAY TO HIGHLIGHT THE THREAT.

TEMPERATURES OVERALL SHOULD BE COOLER OVER THE WEEKEND BY 5-10 DEGREES BUT WILL BE GREATLY DEPENDENT UPON CLOUD COVER AND STORM DEVELOPMENT.

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.LONG TERM...MONDAY THROUGH FRIDAY...[ACTIVE MONSOON](#) PATTERN WILL EXIST EARLY ON IN THE LONG TERM PERIOD WITH HIGHEST [POPS](#) AND GREATEST [PROBABILITY](#) OF HEAVY RAIN MONDAY AND TUESDAY. DURING WEDNESDAY-FRIDAY...BOTH THE [GFS/ECMWF](#) DEPICT SLOW DRYING FROM WEST TO EAST WITH THUNDERSTORMS BECOMING MORE [ISOLATED](#) OVER LINCOLN...CLARK AND MOHAVE COUNTY BY WEEKS END. BELOW [NORMAL](#) TEMPERATURES EARLY IN THE WEEK WILL WARM BACK CLOSER TO [NORMAL](#) BY FRIDAY.

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.AVIATION...FOR MCCARRAN...SOUTHERLY WINDS 7-9 [KTS](#) THROUGH EARLY THIS MORNING WITH [BKN](#) CLOUDS [AOA](#) 14K FEET. THUNDERSTORMS ARE POSSIBLE TODAY...MAINLY OVER THE LOCAL MOUNTAINS ALTHOUGH [OUTFLOW](#) WINDS COULD BRING A STORM INTO THE VALLEY ONCE AGAIN. MORE WIDESPREAD THUNDERSTORMS ARE EXPECTED IN THE PEACH SPRINGS AND MORMON MESA CORRIDORS THIS AFTERNOON. [THUNDERSTORM](#) CHANCES AT MCCARRAN WILL INCREASE SUNDAY AND MONDAY.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...[SCATTERED THUNDERSTORM](#) ACTIVITY IS EXPECTED TODAY IN LINCOLN...CLARK...MOHAVE AND SAN BERNARDINO COUNTIES WITH [ISOLATED](#) STORMS ACROSS THE REMAINDER OF THE AREA. WINDS WILL GENERALLY BE LIGHT THEN BECOME EAST TO SOUTHEAST WITH SPEEDS UP TO 10 [KTS](#) THIS AFTERNOON.

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.VEF WATCHES/WARNINGS/ADVISORIES...
NV... [FLASH FLOOD WATCH](#) FROM NOON PDT TODAY THROUGH MONDAY EVENING
FOR NVZ018-019-021.
[FLASH FLOOD WATCH](#) FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING
FOR NVZ015>017-020-022.
AZ... [FLASH FLOOD WATCH](#) FROM NOON MST TODAY THROUGH MONDAY EVENING
FOR AZZ001>003-036.
CA... [FLASH FLOOD WATCH](#) FROM NOON PDT TODAY THROUGH MONDAY EVENING
FOR CAZ527.
[FLASH FLOOD WATCH](#) FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING
FOR CAZ524>526.
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GORELOW/SALMEN/PIERCE
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