

000
FXUS65 KVEF 011623
AFDVEF

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
923 AM PDT FRI JUL 1 2011

.SYNOPSIS...A WARMING TREND WILL OCCUR AS HIGH PRESSURE REMAINS OVER THE AREA THROUGH THE WEEKEND BRINGING WELL ABOVE NORMAL TEMPERATURES. MONSOON MOISTURE WILL BEGIN TO CREEP INTO THE AREA SUNDAY LEADING TO A CHANCE OF THUNDERSTORMS OVER MAINLY MOHAVE COUNTY. THUNDERSTORM CHANCES WILL THEN SPREAD WEST AND NORTH ACROSS MUCH OF THE AREA EARLY NEXT WEEK.

&&

.UPDATE...FORECAST LOOKS FINE THIS MORNING. NO UPDATE PLANNED AT THIS TIME.

&&

.PREV DISCUSSION...

303 AM PDT FRI JUL 1 2011

.SHORT TERM...UPPER LEVEL HIGH PRESSURE WILL START TO BUILD INTO THE DESERT SOUTHWEST TODAY AND WILL STRENGTHEN NEAR THE FOUR CORNERS REGION THROUGH THE SUNDAY. TEMPERATURES WILL WARM TO JUST A LITTLE ABOVE NORMAL TODAY AND THEN APPROACH EXCESSIVE HEAT WARNING CRITERIA SATURDAY AND SUNDAY. THE WARMEST GUIDANCE IS STILL BELOW CRITERIA AND WE ARE FORECASTING A HIGH TEMPERATURE OF 110 FOR LAS VEGAS BOTH DAYS WHICH IS 2 DEGREES BELOW CRITERIA. IF THE GFS MOS VERIFIES THE HIGH TEMPERATURES WILL BE A COUPLE DEGREES COOLER BOTH DAYS. THE AIR MASS WILL REMAIN PRETTY DRY THROUGH SATURDAY WITH PRECIPITABLE WATER VALUES LESS THAN A HALF INCH. BY SUNDAY THE PERSISTENT SOUTHEAST FLOW FINALLY BRINGS SOME MONSOON MOISTURE INTO THE SOUTHEAST PORTION OF THE FORECAST AREA WITH PRECIPITABLE WATER AROUND OR JUST OVER AN INCH ACROSS PARTS OF MOHAVE COUNTY. MODEL SOUNDINGS INDICATE AN INVERTED V SIGNATURE FOR KINGMAN WITH SOME DECENT CAPE AND INSTABILITY. THE MAIN CONCERN WITH STORMS WILL BE WIND GUSTS AND POSSIBLE FIRE STARTS...AT LEAST INITIALLY. KEPT THE CHANCE OF THUNDERSTORMS IN THE FORECAST FOR MOHAVE COUNTY AND INTO EASTERN SAN BERNARDINO COUNTY AND SOUTHERN AND EASTERN CLARK COUNTY.

.LONG TERM...THE 00Z MODELS ARE NOT AS DEFINITIVE WITH A FOUR CORNERS HIGH NEXT WEEK BUT STILL MAINTAIN A GENERAL SOUTHEAST FLOW INTO THE REGION. THE DEEPEST MOISTURE REMAINS EAST OF THE AREA BUT MODELS DO FORECAST IT REACHING FAR ENOUGH WEST TO LEAVE IN A MENTION OF STORMS...ESPECIALLY ACROSS THE EASTERN CWA EACH DAY. THERE IS SOME INDICATION THAT A PACIFIC TROUGH WILL MAKE ENOUGH HEADWAY INTO THE COAST LATE IN THE WEEK THAT DRYING COULD OVERTAKE THE AREA UNDER A SOUTHWEST FLOW PATTERN. TEMPERATURE FORECASTS WILL BE PROBLEMATIC AS WELL AND WILL DEPEND ON CLOUD COVER AND TIMING OF THUNDERSTORM INITIATION. 500MB HEIGHT FORECASTS OFF THE GFS SHOW LITTLE CHANGE THROUGH THE WEEK...NEITHER INDICATING ANY WARMING OR COOLING BUT MAINTAINING TEMPERATURES AROUND SEASONAL AVERAGES. MADE MINIMAL CHANGES TO THE GRIDS BASED ON THE LATEST FORECASTS AND WOULD NEED TO SEE SOME TYPE OF INVERTED WAVE SPORTING DEEP LAYER MOISTURE TO REALLY GET MY ATTENTION.

MORGAN/HARRISON/SALMEN