

Forecast discussions related to June 11, 2015 exceedance at JD

FXUS65 KVEF 110915
AFDVEF

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
215 AM PDT THU JUN 11 2015

.SYNOPSIS...LINGERING **MOISTURE** AND WEAK **INSTABILITY** WILL KEEP SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS OVER MAINLY THE HIGHER TERRAIN TODAY THROUGH SATURDAY. A DRY...WESTERLY **FLOW** FROM SUNDAY ONWARD WILL BRING EXPECTED HOT AND DRY JUNE WEATHER CONDITIONS TO THE AREA INTO NEXT WEEK.

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.DISCUSSION...THROUGH SATURDAY NIGHT.

AT 1 AM...THE NORTH CENTRAL PORTION OF MOHAVE COUNTY REMAINED UNDER THE GUN AS MODERATE TO HEAVY RAIN PRODUCING THUNDERSTORMS ROLLED THROUGH. A FEW RAIN GAGES IN THE AREA REPORTED AN INCH OF RAIN OR BETTER WHERE THE HEAVIEST **PRECIPITATION** FELL. ELSEWHERE, THINGS HAVE QUIETED DOWN A BIT ALTHOUGH **OUTFLOW** BOUNDARIES FROM EARLIER **CONVECTION** ARE NUMEROUS AND TRIGGERING A FEW SHOWERS/STORMS AS FAR WEST AS BOULDER CITY AND HENDERSON.

MODELS TAKE THE LOW DIRECTLY OVER THE FORECAST AREA EARLY THIS MORNING AND SATELLITE CONFIRMS IT AS A COUNTER CLOCKWISE SPIN IS APPARENT IN IR IMAGERY. THE MAIN LOW IS FORECAST TO MOVE EAST OF THE AREA TODAY BUT TROUGHING WILL LINGER OVER THE SOUTHWEST THROUGH AT LEAST FRIDAY ALLOWING UNSETTLED WEATHER CONDITIONS TO CONTINUE EACH DAY AS ISOLATED SHOWERS AND STORMS FORM IN A WEAKLY UNSTABLE AIRMASS. WITH LESS **MOISTURE** AND CLOUD COVER, TEMPERATURES ARE FORECAST TO SLOWLY WARM HEADING INTO THE WEEKEND.

.LONG TERM...SUNDAY THROUGH THURSDAY.

THE LONG TERM PERIOD BEGINS WITH **UPPER LEVEL FLOW** BECOMING ZONAL...AS A WEAK **SHORTWAVE** CONTINUES TO PULL AWAY FROM THE AREA TO THE EAST. WESTERLY **FLOW** WILL HELP TO MIX OUT THE REMAINING **MOISTURE** FROM BLANCA...SIGNALING A RETURN TO BENIGN WEATHER AND SETTING US UP FOR A RAPID WARM UP EARLY NEXT WEEK. THE LATEST OPERATIONAL GUIDANCE CONTINUES TO AGREE ON A POTENT **UPPER LEVEL** LOW LOCATED ON THE BRITISH COLUMBIA COAST EMITTING A **SHORTWAVE** ACROSS THE NORTHERN GREAT **BASIN** DURING THE MONDAY-TUESDAY TIMEFRAME. THIS WILL HELP INCREASE SOUTHWESTERLY **FLOW** AT ALL LEVELS ACROSS MUCH OF THE SOUTHERN GREAT **BASIN** AND MOJAVE DESERT...PROMOTING GOOD MIXING WHICH WILL FURTHER DRY OUT ANY LINGERING **MOISTURE** AND BUMP AFTERNOON HIGHS UP A FEW MORE DEGREES. AT THIS TIME...AFTERNOON HIGHS LOOK TO CONSISTENTLY RUN 5-8 DEGREES ABOVE NORMAL FOR MID-JUNE NEXT WEEK. &&

.AVIATION...FOR MCCARRAN...LINGERING NORTHEAST WINDS BEHIND AN **OUTFLOW BOUNDARY** TO SUBSIDE OVER THE NEXT HOUR OR TWO AND RETURN TO A MORE DIURNALLY FAVORED DIRECTION UNDER 10KTS. MAINLY LIGHT AND VARIABLE WINDS LATER TODAY FAVORING AN EASTERLY DIRECTION.

ISOLATED THUNDERSTORMS WILL BE AROUND THE AREA AND IN THE BEATTY AND MORMON MESA CORRIDORS THROUGH THIS EVENING WHICH COULD BRING **OUTFLOW** WINDS TO THE TERMINAL AND BRIEF PERIODS OF ERRATIC GUSTY WINDS.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...WINDS WILL GENERALLY BE VARIABLE 5-10 **KTS** MAINLY FOLLOWING TYPICAL **DIURNAL** TERRAIN DRIVEN PATTERNS TODAY. THERE IS A CHANCE OF THUNDERSTORMS TODAY MAINLY NORTH AND EAST OF LAS VEGAS.

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FXUS65 KVEF 111453

AFDVEF

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV

753 AM PDT THU JUN 11 2015

.SYNOPSIS...unchanged

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.UPDATE...MADE A FEW ADJUSTMENTS TO THE **SHORT TERM FORECAST** THROUGH THIS EVENING TO ACCOUNT FOR THE CURRENT **RADAR** TRENDS AND LATEST HIGH- RES GUIDANCE. MAIN CHANGES INCLUDED REDUCING **POPS** FOR THE REST OF THIS MORNING AND INCREASING **POPS** THIS EVENING OVER THE NORTHERN HALF OF DEATH VALLEY NATIONAL PARK WHERE A BAND OF SHOWERS AND THUNDERSTORMS MAY SINK SOUTH LATE THIS AFTERNOON AND EVENING. AT THIS TIME IT DOES NOT APPEAR THAT SHOWERS/STORMS WILL IMPACT THE LAS VEGAS VALLEY...HOWEVER THE LATEST HRRR DOES INDICATE THE POTENTIAL FOR **OUTFLOW** WINDS TO MOVE THROUGH FROM THE NORTH AROUND SUNSET. THIS WOULD MAINLY BE AN IMPACT TO AVIATION...AS THE STRENGTH WOULD LIKELY BE UNDER 30-35 MPH. &&

.AVIATION...FOR MCCARRAN...VERY LIGHT WINDS ARE EXPECTED TODAY...GENERALLY UNDER 6 **KTS**...LIKELY FAVORING AN EASTERLY DIRECTION THROUGH THE AFTERNOON. ISOLATED THUNDERSTORMS MAINLY NORTH OF THE LAS VEGAS VALLEY IN THE BEATTY AND MORMON MESA CORRIDORS THIS AFTERNOON AND EVENING COULD BRING GUSTY **OUTFLOW** WINDS TO THE TERMINAL...MOST LIKELY BETWEEN 01Z-06Z. OUTSIDE OF THESE **OUTFLOW** WINDS...WINDS SHOULD TURN TO A TYPICAL SOUTHWESTERLY DIRECTION OVERNIGHT.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...WINDS WILL GENERALLY BE VARIABLE 5-10 **KTS** MAINLY FOLLOWING TYPICAL **DIURNAL** TERRAIN DRIVEN PATTERNS TODAY. THERE IS A CHANCE OF THUNDERSTORMS TODAY MAINLY NORTH AND EAST OF LAS VEGAS THAT COULD BRING GUSTY AND ERRATIC WINDS. THE BEST CHANCES WILL BE AROUND KBIH AND KTPH.

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FXUS65 KVEF 112218

AFDVEF

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE LAS VEGAS NV
300 PM PDT THU JUN 11 2015

.SYNOPSIS...unchanged
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.SHORT TERM...THROUGH SATURDAY NIGHT.

A FEW SHOWERS AND THUNDERSTORMS DEVELOPED EARLIER THIS AFTERNOON OVER CENTRAL MOHAVE COUNTY...BUT MORE **STABLE** AIR WORKING INTO THE REGION WILL KEEP ANY ADDITIONAL STORMS FROM FORMING LATE THIS AFTERNOON AND EVENING. WE MAY SEE A FEW ISOLATED STORMS EARLY THIS EVENING OVER NORTHERN MOHAVE COUNTY...BUT THE TREND WILL CONTINUE TO BE DOWNWARD. SCATTERED SHOWERS AND THUNDERSTORMS OCCURRING THIS AFTERNOON ACROSS CENTRAL NEVADA ASSOCIATED WITH A WEAK DISTURBANCE. THIS DISTURBANCE IS EXPECTED TO SAG SOUTH THIS EVENING WITH SCATTERED SHOWERS AND THUNDERSTORMS SPREADING INTO MAINLY NORTHERN LINCOLN...CENTRAL NYE...ESMERALDA AND EVENTUALLY INTO INYO COUNTY. MOST OF THE ACTIVITY SHOULD DISSIPATE BY LATE EVENING...BUT ACTIVITY COULD GO MUCH OF THE NIGHT ACROSS PORTIONS OF INYO COUNTY. THE TROUGHINESS ASSOCIATED WITH THE **INSTABILITY** SHOWERS IS EXPECTED TO REMAIN THROUGH FRIDAY GIVING US ANOTHER DAY OF ISOLATED TO SCATTERED SHOWERS AND THUNDERSTORMS. THE AIRMASS MAY BE A LITTLE TOO **STABLE** FOR STORMS OVER THE FAR SOUTHERN AREAS OF THE **CWA**...BUT MOST OF THE FORECAST AREA SHOULD SEE AT LEAST A SLIGHT CHANCE DURING THE AFTERNOON. THE **TROUGH** IS EXPECTED TO WEAKEN MORE ON SATURDAY AND ALTHOUGH WE WILL SEE SOME ISOLATED SHOWERS AND THUNDERSTORMS...MAINLY OVER THE HIGHER TERRAIN...THE TREND WILL BE DOWNWARD. TEMPERATURES ARE EXPECTED TO GRADUALLY WARM EACH AFTERNOON WITH THE HOT JUNE TEMPERATURES ARRIVING NEXT WEEK.

.LONG TERM...SUNDAY THROUGH THURSDAY.

unchanged
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.AVIATION...FOR MCCARRAN...LIGHT WINDS WILL GRADUALLY TURN SOUTHWEST AFTER SUNSET WITH SPEEDS GENERALLY AROUND 7 **KTS**. ISOLATED SHOWERS AND THUNDERSTORMS THIS EVENING NORTH OF LAS VEGAS COULD BRING A WIND SHIFT TO THE VALLEY BETWEEN 07Z-10Z. THE WINDS COULD POTENTIALLY TURN BETWEEN 340 AND 020 WITH SPEEDS UP TO 20KTS. ISOLATED THUNDERSTORMS ARE EXPECTED ONCE AGAIN FRIDAY AFTERNOON WITH GENERALLY LIGHT EAST WINDS AWAY FROM **THUNDERSTORM** INFLUENCES.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...SCATTERED SHOWERS AND THUNDERSTORMS THIS EVENING OVER PORTIONS OF LINCOLN...CENTRAL NYE...ESMERALDA...AND INYO COUNTIES. STORMS MAY CONTINUE OVERNIGHT OVER INYO COUNTY. ISOLATED SHOWERS AND THUNDERSTORMS EXPECTED AGAIN FRIDAY. WINDS EXPECTED TO BE UNDER 10KTS AWAY FROM ANY THUNDERSTORMS.

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FXUS65 KVEF 120505 AAA
AFDVEF

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV
1005 PM PDT THU JUN 11 2015

.SYNOPSIS...unchanged.
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.UPDATE...SEEING A FEW LIGHT SHOWERS OVER INYO, ESMERALDA, CENTRAL AND LINCOLN COUNTIES MOVING SOUTH THIS EVENING INTO NORTHERN CLARK COUNTY. A BOUNDARY MOVING SOUTH THROUGH THE AREA IS TURNING WINDS TO THE NORTH WITH GUSTS TO AROUND 30 MPH NOTED AT A FEW SITES NORTH OF VEGAS. SEEING WINDS INCREASING IN THE NORTHEAST CORRIDOR OF THE LAS VEGAS VALLEY ALONG INTERSTATE 15 AND ANOTHER SEGMENT OF THE BOUNDARY APPROACHING THE VALLEY FROM THE NORTHWEST. EXPECT GUSTY WINDS THROUGH THE EVENING. MINOR UPDATES WERE MADE TO THE FORECAST. -

SALMEN-
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.AVIATION...FOR MCCARRAN...NORTHERLY **OUTFLOW** WINDS EXPECTED AT THE TERMINAL THROUGH THE EVENING HOURS WITH GUSTS TO 20KTS. ISOLATED THUNDERSTORMS ARE POSSIBLE FRIDAY AFTERNOON WITH GENERALLY LIGHT EAST WINDS AWAY FROM **THUNDERSTORM** INFLUENCES.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS THIS EVENING OVER PORTIONS OF LINCOLN...CENTRAL NYE...ESMERALDA...AND INYO COUNTIES. STORMS MAY CONTINUE OVERNIGHT OVER INYO COUNTY. ISOLATED SHOWERS AND THUNDERSTORMS EXPECTED AGAIN FRIDAY. WINDS EXPECTED TO GENERALLY BE UNDER 10KTS AWAY FROM ANY THUNDERSTORMS.

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