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AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE LAS VEGAS NV  
946 AM PDT TUE JUN 14 2011

.SYNOPSIS...TEMPERATURES WILL WARM SEVERAL DEGREES TODAY AND WEDNESDAY AS AN AREA OF HIGH PRESSURE BRIEFLY MOVES OVER THE REGION. THIS WILL GRADUALLY GIVE WAY TO A LOW PRESSURE SYSTEM MOVING INTO THE WESTERN STATES WITH INCREASING SOUTHWEST WINDS AND A COOLING TREND THE LATTER HALF OF THE WEEK.

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.UPDATE...THE FORECAST IS GOING AS EXPECTED AND NO UPDATE WILL BE ISSUED. THE PRIMARY CONCERN WILL BE FOR THURSDAY IN THE SHORT TERM. MOS AND HIGH RES MODELS SHOW WINDS AND RH FOR MOHAVE COUNTY WILL BE NEAR CRITICAL FIRE WEATHER VALUES. WILL TAKE CLOSER LOOK AT THIS FOR THE AFTERNOON FORECAST ISSUANCE.

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.PREV DISCUSSION...  
220 AM PDT TUE JUN 14 2011

.SHORT TERM...TODAY THROUGH THURSDAY NIGHT...ON THE HEALS OF TROUGH SHIFTING EAST INTO THE ROCKIES...SATELLITE SHOWS CLEAR SKIES OVER NEVADA AND CALIFORNIA EARLY THIS MORNING. MODELS SIMILAR INDICATING H5 HEIGHTS INCREASING AROUND 50 METERS FROM YESTERDAY. ALONG WITH THE HIGHER HEIGHTS GFS/NAM WARM H85/H7 TEMPERATURES BETWEEN 2 AND 4 DEGREES CELSIUS. THAT WILL BE SUFFICIENT FOR MCCARRAN CRACKING 100 DEGREES FOR THE FIRST TIME THIS YEAR. AS NOTED IN THE CLIMATE SECTION BELOW...THIS WILL TIE FOR THE 4TH LATEST DATE THAT THE TEMPERATURE HAS HIT OR EXCEEDED THE CENTURY MARK. HEIGHTS BEGIN TO DECLINE SOME ON WEDNESDAY AS TROUGH BEGINS TO SETTLE IN OVER THE NORTHWESTERN STATES AND SOUTHWEST CANADA. INCREASED MIXING OF THE BOUNDARY LAYER WILL LEAD TO SEVERAL MORE DEGREES OF WARMING ON WEDNESDAY. TEMPERATURES WILL START TO DECLINE ON THURSDAY AS HEIGHTS CONTINUE TO LOWER AND H85/H7 TEMPERATURES COOL AS UPPER TROUGH SETTLES FURTHER SOUTH ACROSS THE WESTERN CONUS. WITH TROUGH GRADUALLY SAGGING SOUTH DURING THE SHORT TERM PERIOD...SURFACE WINDS WILL BE ON THE INCREASE EACH DAY. AS MID LEVEL TEMPERATURES COOL WEDNESDAY AND ESPECIALLY ON THURSDAY...CAN NOT RULE OUT A SLIGHT CHANCE OF THUNDERSTORMS DEVELOPING FROM NORTHERN INYO COUNTY...EAST INTO EAST CENTRAL NEVADA ALONG SURFACE FRONT.

.LONG TERM...FRIDAY THROUGH MONDAY...AN UPPER-LEVEL TROUGH WILL BE IN PLACE ACROSS THE WESTERN STATES FRIDAY. MODELS ARE IN RELATIVELY GOOD AGREEMENT WITH BOTH TIMING AND DEPTH OF THIS FEATURE...AND DO INDICATE A PIECE OF ENERGY ROTATING THROUGH THE BASE OF THE TROUGH FRIDAY AFTERNOON AND NIGHT OVER NORTHERN ZONES...HOWEVER...MOISTURE LOOKS TO BE VERY LIMITED. WITH THAT IN MIND...OPTED TO KEEP ANY MENTION OF THUNDERSTORMS LIMITED TO NORTHERN LINCOLN COUNTY ON FRIDAY AFTERNOON/EVENING. THE MAIN IMPACT FROM THIS FEATURE ACROSS THE REGION WILL BE BREEZY CONDITIONS DURING THE DAY AS MODELS CONTINUE TO SHOW 15 TO 25 KTS ON AVERAGE IN THE LOWER LEVELS DURING THE DAY. BREEZY CONDITIONS WILL CONTINUE ON SATURDAY...BUT NOT

EXPECTING ANY PRECIP DUE TO LACK OF MOISTURE. ANOTHER SHORTWAVE WILL DROP DOWN IN THE LONGWAVE PATTERN ON SUNDAY AS THE UPPER TROUGH BEGINS TO TRANSITION EAST...BUT THE TROUGH AXIS WILL BE TOO FAR EAST AT THIS POINT AND ONLY EXPECT BREEZY CONDITIONS DURING THE DAY. HIGH PRESSURE WILL THEN BUILD OFF THE WEST COAST TO BRING IN NEXT WEEK WHICH WILL RESULT IN CONTINUED DRY CONDITIONS...DECREASED WINDS...AND A WARMING TREND IN TEMPERATURES.

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.AVIATION...FOR MCCARRAN...NO SIGNIFICANT WEATHER IS EXPECTED TODAY WITH MAINLY CLEAR SKIES AND WEAK PRESSURE GRADIENT...WHICH WILL RESULT IN LIGHT WINDS FOLLOWING TYPICAL DIURNAL DIRECTIONS.

FOR THE REST OF SOUTHERN NEVADA...NORTHWEST ARIZONA...AND SOUTHEAST CALIFORNIA...WINDS ARE EXPECTED TO BE LIGHT AND TREND TOWARDS TYPICAL DIURNAL DIRECTIONS TODAY AS THE AREA REMAINS UNDER DRY NORTHWESTERLY FLOW.

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.CLIMATE...WITH THE TEMPERATURE FAILING TO REACH THE CENTURY MARK SO FAR THIS YEAR IN LAS VEGAS...THIS RANKS 2011 AS ONE OF THE LATEST YEARS ON RECORD TO REACH THE CENTURY MARK FOR THE FIRST TIME. THE LATEST OCCURRENCES OF THE FIRST TRIPLE DIGIT TEMPERATURE ON RECORD IN LAS VEGAS DATING BACK TO 1937 ARE...

1. JUNE 30TH 1965
2. JUNE 26TH 1998
3. JUNE 17TH 1963
4. JUNE 14TH 1971
5. JUNE 13TH 1993 AND 1999
6. JUNE 11TH 1953...1982 AND 1995

THE AVERAGE FIRST DATE OF A 100 DEGREES OR BETTER FOR A HIGH IN LAS VEGAS IS MAY 25TH.

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.VEF WATCHES/WARNINGS/ADVISORIES...

NV...NONE.

AZ...NONE.

CA...NONE.

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JACQUES/PIERCE/KENNEDY