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City, St

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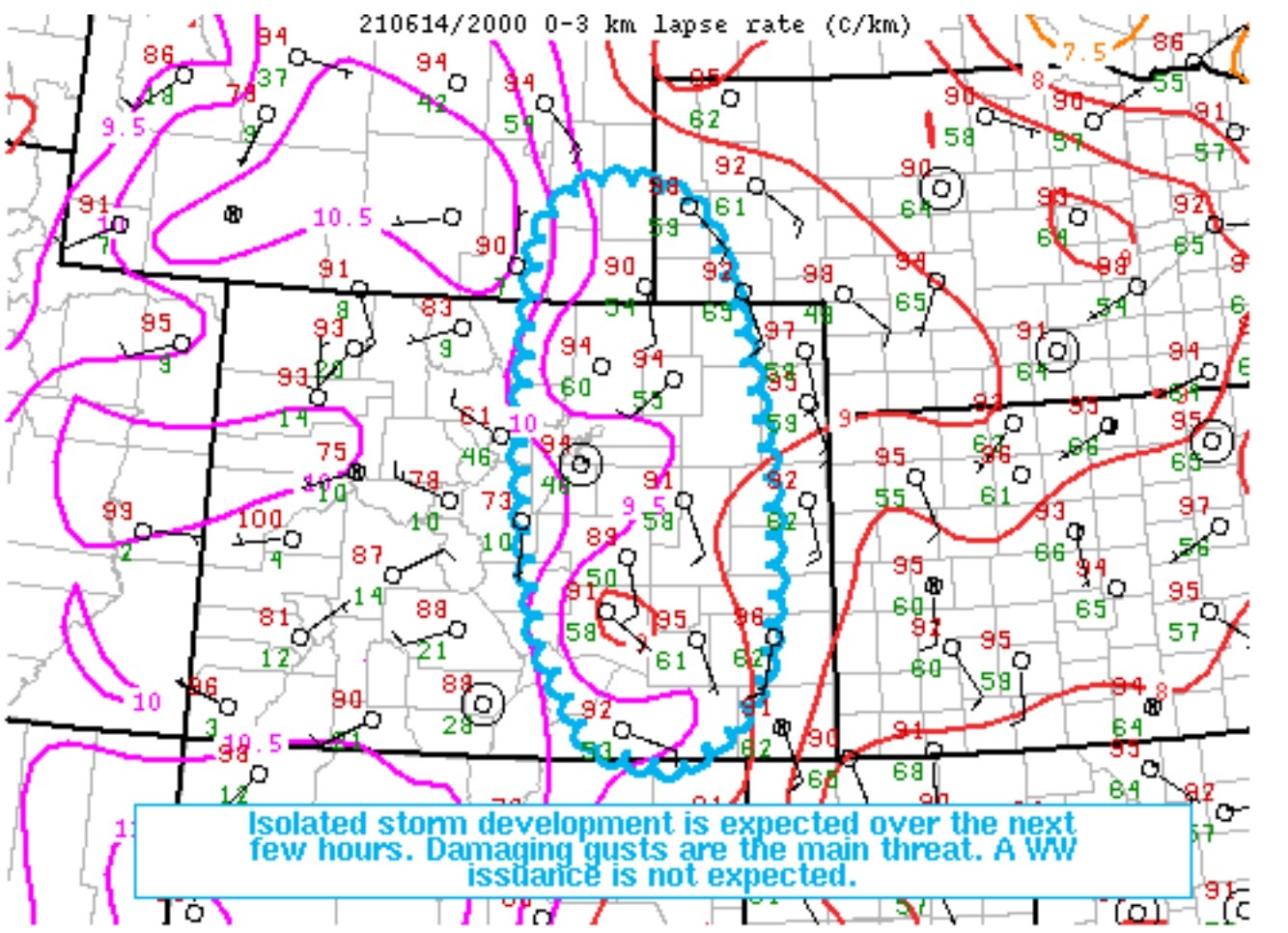
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Mesoscale Discussion 971

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SPC MCD #0971

Mesoscale Discussion 0971

NWS Storm Prediction Center Norman OK

0351 PM CDT Mon Jun 14 2021

Areas affected...Portions of central and eastern Colorado...far southeast Wyoming...southwestern Nebraska Panhandle

Concerning...Severe potential...Watch unlikely

Valid 142051Z - 142245Z

Probability of Watch Issuance...20 percent

SUMMARY...Gradual development of isolated thunderstorms is expected through the remainder of the afternoon/evening. A WW issuance is not expected given the sparse nature of the severe threat.

DISCUSSION...Mesoanalysis trends continue to indicate eroding MLCINH to the immediate lee of the Rockies, where visible satellite and MRMS mosaic radar show convective initiation underway. Surface temperatures have warmed to over 90F, with south-southeasterly surface flow advecting 60F dewpoints to the Colorado Front Range. Still, given the very warm low-levels, a dry boundary/sub-cloud layer has developed, with 9+ C/km surface-500 mb lapse rates present. Any storm that manages to develop in the weakly forced environment will be high based, with damaging gusts the primary threat given the dry, warm sub-cloud layer, though some small hail may still accompany the more persistent updrafts. Damaging gusts will be most likely with any cellular/cold pool mergers that can occur. However, the severe wind/hail coverage is expected to remain isolated, and a WW issuance is not anticipated.

..Squitieri/Grams.. 06/14/2021

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...GLD...PUB...BOU...CYS...ABQ...

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