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Season Snow Totals to Date

Below are season snow totals for areas along the I-25 corridor. The snow season began in October 2019 and just came to an end as many areas above 7k just reported new snow on the 9th of June! Snow totals below may contain estimates or missing data and are not official totals beyond the airport locations which have been vetted. The seasonal snow summaries will be issued in the coming days with additional information and snow data. Some selected locations are in the table below.

2019-2020 Snowfall

Fort Collins to Castle Rock

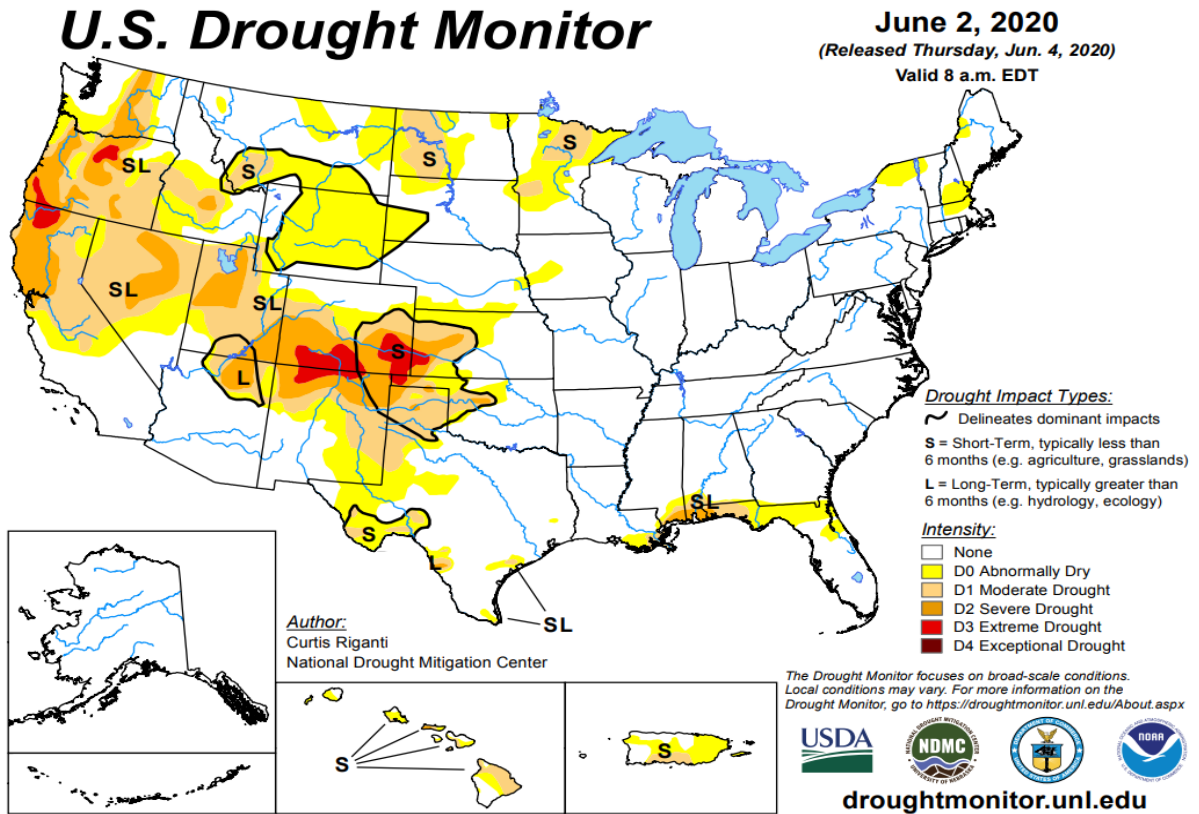
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Boulder Central	20.9	27.4	2.7	0.0	30.1	10.6	31.1	0.0	0.0	122.8
Castle Rock - 3 NE	22.4	16.9	5.7	2.7	27.9	13.2	11.3	0.0	0.0	100.1
Denver - DIA	12.5	13.7	2.8	0.9	16.5	7.5	3.7	0.0	0.0	57.6
Lone Tree	18.2	17.0	4.5	2.4	24.3	14.4	11.0	0.0	0.0	91.8
Parker	15.9	16.0	3.9	3.0	24.2	11.6	9.9	0.0	0.0	84.5
Parker - Stonegate	17.6	17.3	4.4	3.6	25.5	11.4	11.5	0.0	0.0	91.3

Monument to Pueblo

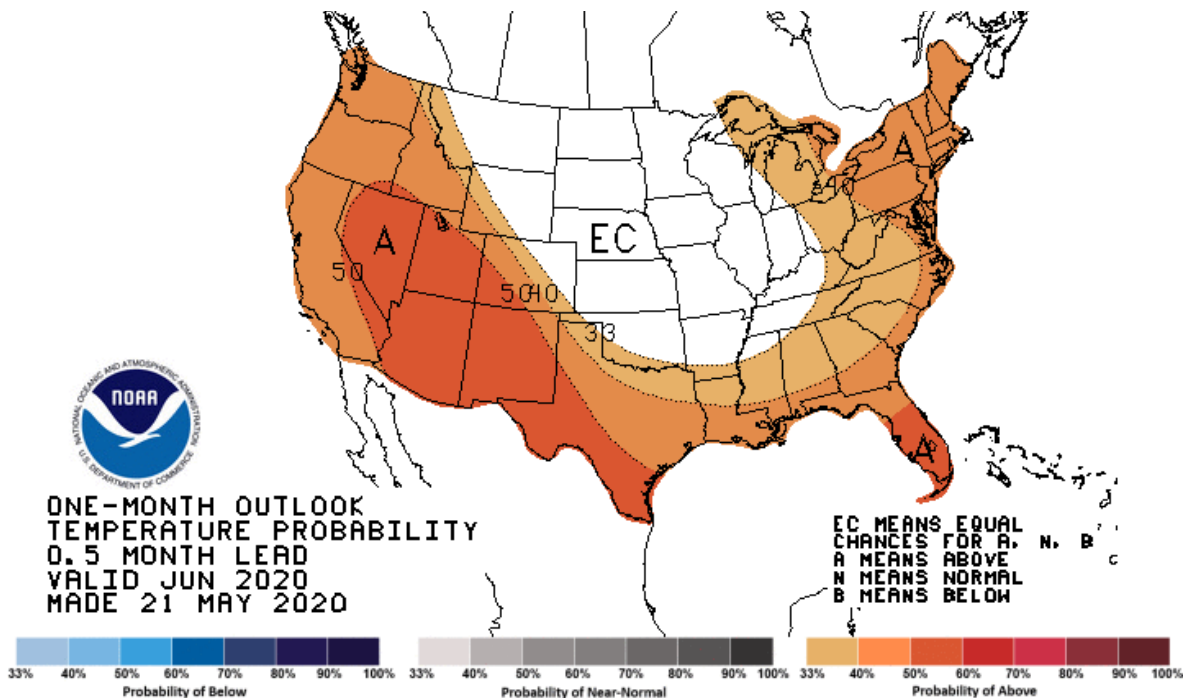
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Black Forest WSW	19.4	19.9	6.4	5.1	33.4	20.5	17.0	0.7	1.7	124.1
Colorado Springs Airport	12.6	8.3	4.4	0.8	13.0	7.9	9.4	0.0	0.0	56.4
Pueblo NWS	12.0	5.0	3.3	0.2	11.5	1.1	2.8	0.0	0.0	35.9

Drought Update

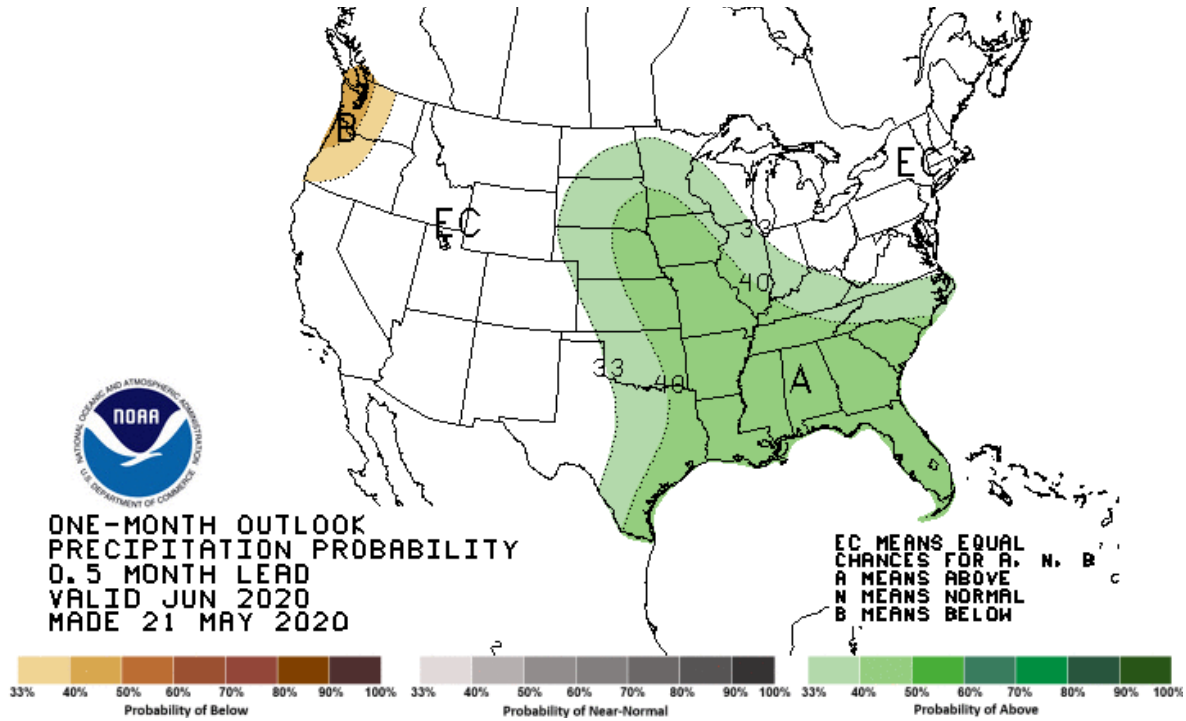
Colorado continues to experience persistent drought conditions over about 2/3's of the state. Much of far northern Colorado remains drought free.



The map below shows forecasted temperature deviances for June 2020. The map suggests equal chances for above or below normal temperatures over NE CO with a bias towards above normal temperatures over SW portions of the state.



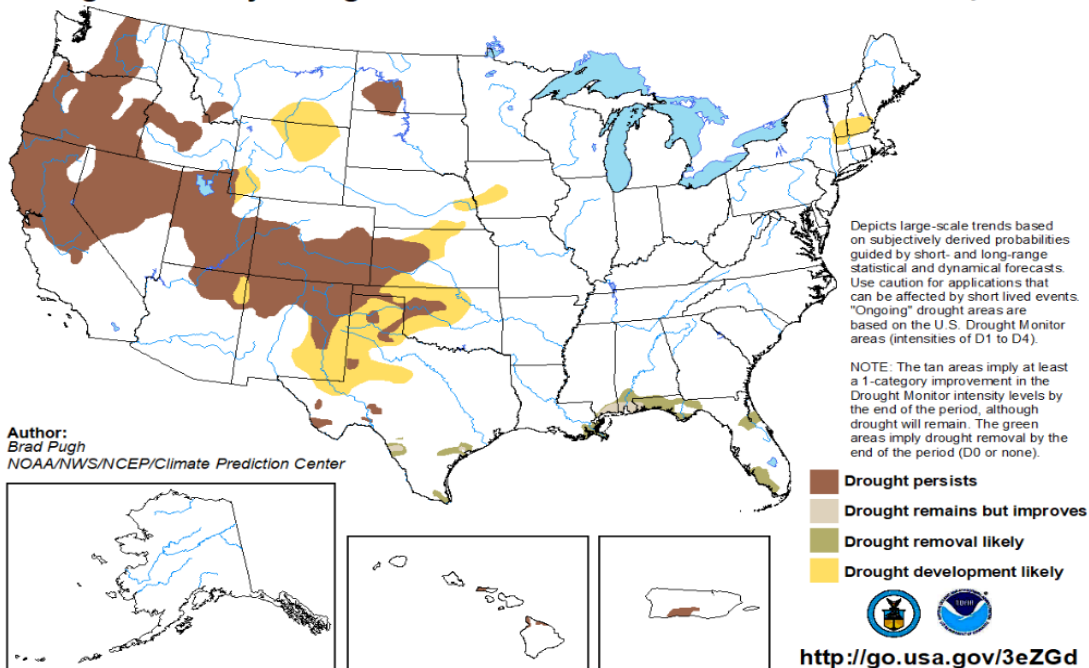
The map below shows forecasted precipitation deviances for June 2020. The map shows equal chances for above or below precipitation over Colorado.



Colorado is not expected to see any worsening of the drought conditions this month but areas of drought are expected to persist over central and southern portions of the state.

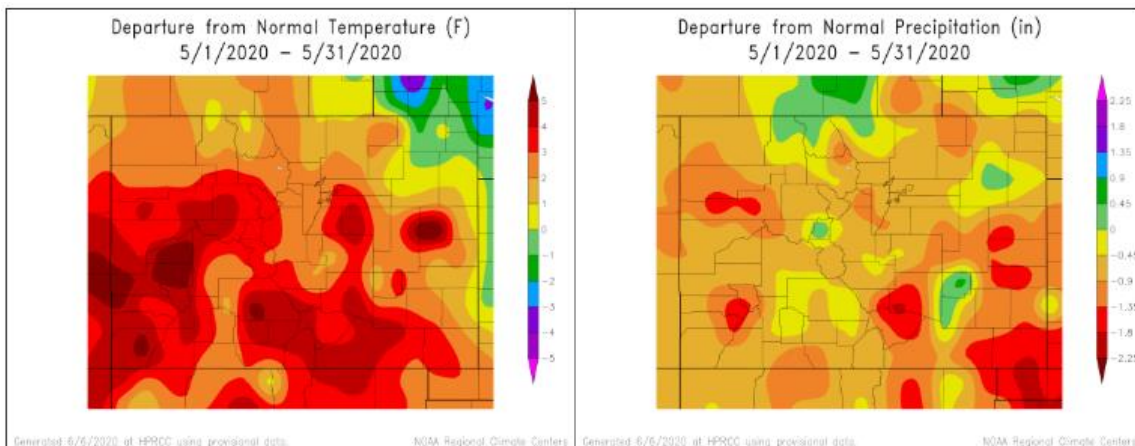
U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for June 2020
Released May 31, 2020



May Summary

May of 2020 came in with above average temperatures and below average precipitation at DIA. All the precipitation on the plains was in the form of rain with a couple storm systems during the month bringing snow to areas above 7,000ft. DIA reported the average daily high temperatures for May of 75.0 degrees with an average low of 44.2 degrees. Combining the average highs and lows resulted in a monthly mean temperature of 59.6 degrees which is 2.5 degrees above the normal May average monthly temperature. The highest temperature recorded at DIA during the month of May was 92 degrees on May 19th with the lowest temperature of 30 degrees set on May 5th. Precipitation recorded at DIA for May totaled 1.65" which is 0.47" below the normal value of 2.12". There was no reported snowfall at DIA, or the plains for the month of May. Total snowfall in and around the Boulder County foothills was between a trace and 0.5" on grass, with no pavement accumulations. Totals snowfall for the Jefferson County foothills was 0.5-2.5". Snowfall events occurred on the 8th and 24th, with the 24th being the higher total storm. Below are maps for departure from normal temperature and precipitation statewide:



Over SE Colorado, May of 2020 came in with above average temperatures and well below average precipitation at the Colorado Springs airport. All the precipitation on the plains was in the form of rain with only one storm system during the month bringing snow above 7,000ft. The Colorado Springs airport reported the average daily high temperatures for May of 74.1 degrees with an average low of 44.3 degrees. Combining the average highs and lows resulted in a monthly mean temperature of 59.2 degrees which is 3.3 degrees above the normal May average monthly temperature. The highest temperature recorded at the Colorado Springs airport during the month of May was 89 degrees on May 18th & 19th with the lowest temperature of 32 degrees set on May 9th. Precipitation recorded at the Colorado Springs airport for May totaled 1.15" which is 0.88" below the normal value of 2.03". There was no reported snowfall at the Colorado Springs airport, or the plains for the month of May. Total snowfall in and around Northern El Paso County and the Woodland Park area was between a trace and 1.5" on grass, with no pavement accumulations. Overall, the month of May was close to an average month for temperatures with well below average precipitation for most areas along the I-25 corridor from Colorado Springs to Pueblo with only one snow event due to a strong, cold storm system on the 24th.

May Stats

TEMPERATURE (IN DEGREES F)

AVERAGE MAX	75.0	NORMAL 71.5	DEPARTURE 3.5
AVERAGE MIN	44.2	NORMAL 42.7	DEPARTURE 1.5
MONTHLY MEAN	59.6	NORMAL 57.1	DEPARTURE 2.5
HIGHEST	92 on the 19 th		
LOWEST	30 on the 5 th		

DAYS WITH MAX 90 OR ABOVE	2	NORMAL	0.8
DAYS WITH MAX 32 OR BELOW	0	NORMAL	0.0
DAYS WITH MIN 32 OR BELOW	2	NORMAL	1.9
DAYS WITH MIN ZERO OR BELOW	0	NORMAL	0.0

TEMPERATURE RECORDS

Record high of 92 set on the 19th breaking the old record of 90 set in 2009

HEATING DEGREE DAYS

MONTHLY TOTAL	200	NORMAL 265	DEPARTURE -65
SEASONAL TOTAL	5943	NORMAL 5996	DEPARTURE -53

COOLING DEGREE DAYS

MONTHLY TOTAL	39	NORMAL 21	DEPARTURE 18
YEARLY TOTAL	39	NORMAL 22	DEPARTURE 17

PRECIPITATION (IN INCHES)

MONTHLY TOTAL	1.65	NORMAL 2.12	DEPARTURE -0.47
YEARLY TOTAL	3.21	NORMAL 4.61	DEPARTURE -1.40
GREATEST IN 24 HOURS	0.94" on the 24 th		
DAYS WITH MEASURABLE PRECIP.	7		

SNOWFALL (IN INCHES)

MONTHLY TOTAL	0.0	NORMAL 1.1	DEPARTURE -1.1
SEASONAL TOTAL	57.6	NORMAL 53.8	DEPARTURE 3.8
GREATEST IN 24 HOURS	NA		
GREATEST DEPTH	NA		

WIND (IN MILES PER HOUR)

AVERAGE SPEED 10.7 mph
PEAK WIND GUST 65 mph from the NNW on 5/7

MISCELLANEOUS WEATHER

NUMBER OF DAYS WITH THUNDERSTORM	7	NORMAL	6
NUMBER OF DAYS WITH HEAVY FOG	1	NORMAL	1
NUMBER OF DAYS WITH HAIL	0		
NUMBER OF SUNNY DAYS	6		
NUMBER OF PARTLY CLOUDY DAYS	21		
NUMBER OF CLOUDY DAYS	4		
AVERAGE RELATIVE HUMIDITY	56%		

June Preview

June is typically the peak of severe weather season for the Denver Metro area and eastern Colorado, with an overall average of 10 thunderstorm days during the course of the month. More tornadoes occur in June in Colorado than any other month, with the greatest threat occurring for areas east of I-25, but occasionally tornadoes can occur across central and western portions of the metro area. The threat for large hail is also higher during June compared to other months. Average temperatures continue their upward trend during June, which is the first month of meteorological summer. The average high temperature during June is 82.4 degrees, with an average of 9 days exceeding 90 degrees during the month. The average low temperature for the month is 52.3. Freezing temperatures are very rare in Denver during June, but it has occurred in the past with an all-time monthly record low of 30 occurring in 1951. Snow is also extremely rare in June in Denver, but it has occurred before with a record amount of 0.5" occurring in 1953. Elevations above 7k received some snow on the 9th of this month! Average precipitation in June is 1.98", making it the third wettest month on average behind May and July. Often, the bulk of the month's precipitation can occur from just one or two heavy thunderstorms, and precipitation amounts tend to be more variable in June than during other months due to the convective nature of precipitation. For June 2020, precipitation is likely to be near normal to above normal as we are off to a good start. Temperatures are likely to be near normal to slightly above normal.

DENVER'S JUNE CLIMATOLOGICALLY NORMAL (NORMAL PERIOD 1981-2010 DIA Data)

TEMPERATURE

AVERAGE HIGH	82.4
AVERAGE LOW	52.3
MONTHLY MEAN	67.4
DAYS WITH HIGH 90 OR ABOVE	8
DAYS WITH HIGH 32 OR BELOW	0
DAYS WITH LOW 32 OR BELOW	0
DAYS WITH LOWS ZERO OR BELOW	0

PRECIPITATION

MONTHLY MEAN	1.98"
DAYS WITH MEASURABLE PRECIPITATION	8
AVERAGE SNOWFALL IN INCHES	0.0"
DAYS WITH 1.0 INCH OF SNOW OR MORE	0

MISCELLANEOUS AVERAGES

HEATING DEGREE DAYS	133
COOLING DEGREE DAYS	62
WIND SPEED (MPH)	8.9mph
WIND DIRECTION	South
DAYS WITH THUNDERSTORMS	10
DAYS WITH DENSE FOG	<1
PERCENT OF SUNSHINE POSSIBLE	70%

EXTREMES

RECORD HIGH	105 on 6/25/2012, 6/26/2012
RECORD LOW	30 on 6/2/1951
WARMEST	75.0 in 2012
COLDEST	60.6 in 1967
WETTEST	4.96" in 1882
DRIEST	TR in 1890
SNOWIEST	0.5" in 1953
LEAST SNOWIEST	0.0" in numerous years

Snowfall

October 2019 to May 2020

City	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Aurora (Central)	17.2	15.9	3.4	1.8	20.9	8.9	6.0	0.0	74.1
Boulder	26.7	28.9	3.4	TR	37.3	16.8	37.3	0.0	150.4
Brighton	12.1	14.8	2.2	TR	17.4	9.2	13.1	0.0	68.8
Broomfield	24.0	20.5	5.5	0.1	17.9	10.1	21.2	0.0	99.3
Castle Rock	22.4	16.9	5.7	2.7	27.9	13.2	11.3	0.0	100.1
COS Airport	12.6	8.3	4.4	0.8	13.0	7.9	9.4	0.0	56.4
Denver DIA	12.5	13.7	2.8	0.9	16.5	7.5	3.7	0.0	57.6
Denver Dwntrwn	21.2	16.4	2.4	0.9	17.4	6.5	8.8	0.0	73.6
Golden	22.5	28.4	3.8	0.7	38.0	14.3	22.0	0.0	129.7
Fort Collins	10.1	22.0	4.8	TR	13.9	4.3	18.1	0.0	73.2
Highlands Ranch	19.5	20.6	5.7	1.4	29.7	13.1	15.0	0.0	105.0
Lakewood	19.2	19.4	2.9	0.9	20.9	7.5	14.5	0.0	85.3
Littleton	18.0	19.9	4.5	1.0	27.6	9.0	15.5	0.0	95.5
Monument	19.4	23.0	10.9	3.9	25.4	20.0	18.1	1.5	122.2
Parker	15.9	16.0	3.9	3.0	24.2	11.6	9.9	0.0	84.5
Sedalia - Hwy 67	22.0	20.6	6.5	2.0	29.8	14.7	12.7	0.0	108.3
Thornton	16.6	17.9	3.7	0.4	17.4	8.8	15.2	0.0	80.0
Westminster	19.8	17.9	6.6	0.6	23.5	8.7	21.4	0.0	98.5
Wheat Ridge	20.8	22.8	3.9	0.9	25.4	8.6	17.6	0.0	100.0

Rainfall

May 2020 to October 2020

City	May	Jun	Jul	Aug	Sep	Oct	Total
Aurora (Central)	1.61						1.61
Brighton	1.34						1.34
Broomfield	0.94						0.94
Castle Rock	1.03						1.03
Colo Sprgs Airport	1.15						1.15
Denver DIA	1.65						1.65
Denver Downtown	1.38						1.38

Golden	1.77						1.77
Fort Collins	2.33						2.33
Highlands Ranch	0.98						0.98
Lakewood	1.38						1.38
Littleton	1.06						1.06
Parker	1.18						1.18
Sedalia - Hwy 67	1.26						1.26
Thornton	1.10						1.10
Westminster	2.01						2.01
Wheat Ridge	1.38						1.38

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