

NWS Los Angeles/Oxnard Weather Briefing

**Decision Support Briefing for
*Friday, March 1, 2019***



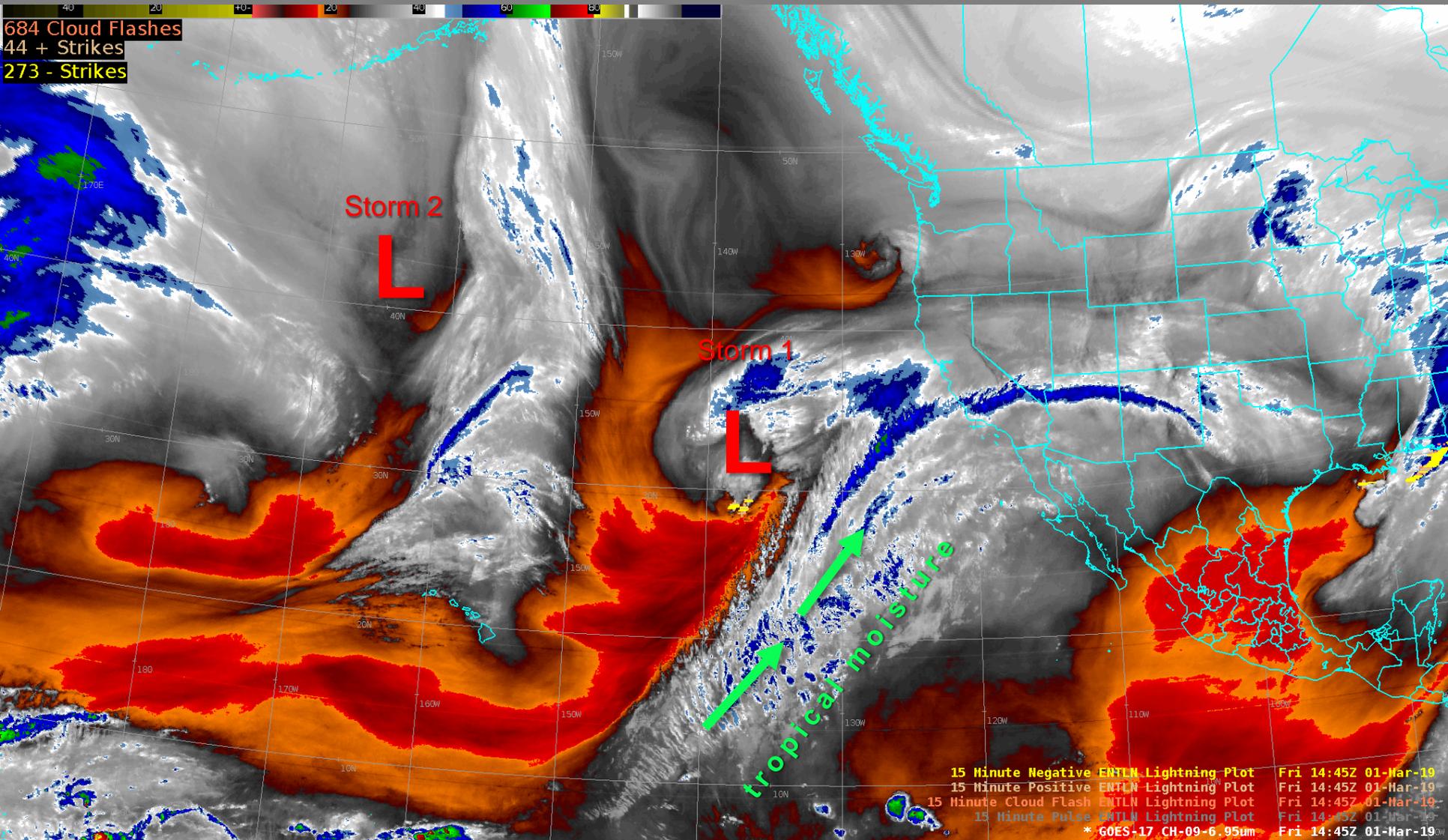
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Webinar Audio:

(631) 992-3221
access code: 406-190-927#

Please refer to www.weather.gov/losangeles for the latest information

Latest Water Vapor Satellite Loop – ending at 930 am PST



Main Points

- **2 storms**
 - ✓ *Storm 1: Tonight and Sat morn*
 - ✓ *Storm 2: Tue and Wed*
- **Storm 1: 0.75 – 1.25” storm total; up to 2-3” mtns/south-facing slopes**
 - ✓ *Peak rates 0.20 – 0.50” per hour*
 - ✓ *Slight chance of thunderstorms SBA-SLO Co; closer to coast*
 - ✓ *Snow levels 8k ft*
- **Dry late Sun-Mon; slight warming trend**
- **Storm 2: 1.00 – 3.00” possible; locally higher south-facing slopes**
 - ✓ *Peak rates slightly higher than storm 1’s*
 - ✓ *Snow levels down to 6k-7k ft by Thu*
- **Both storms with feeds of tropical moisture (atmospheric river)**
- **Moderate SE winds tonight mtns; stronger Tue night and including central coast south into western SBA south coast**
- **Surf not an issue**

Impacts

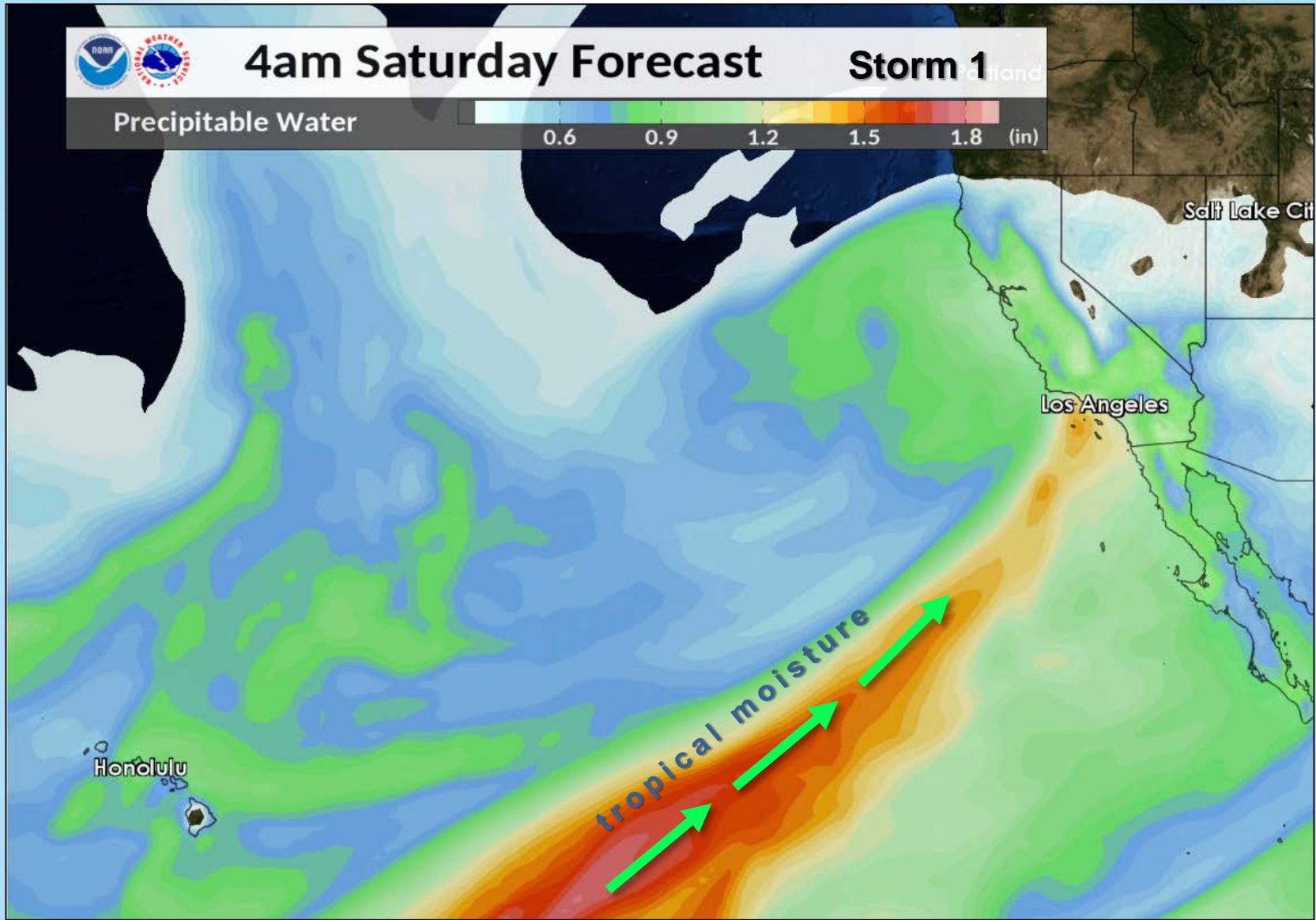
For Both Storms

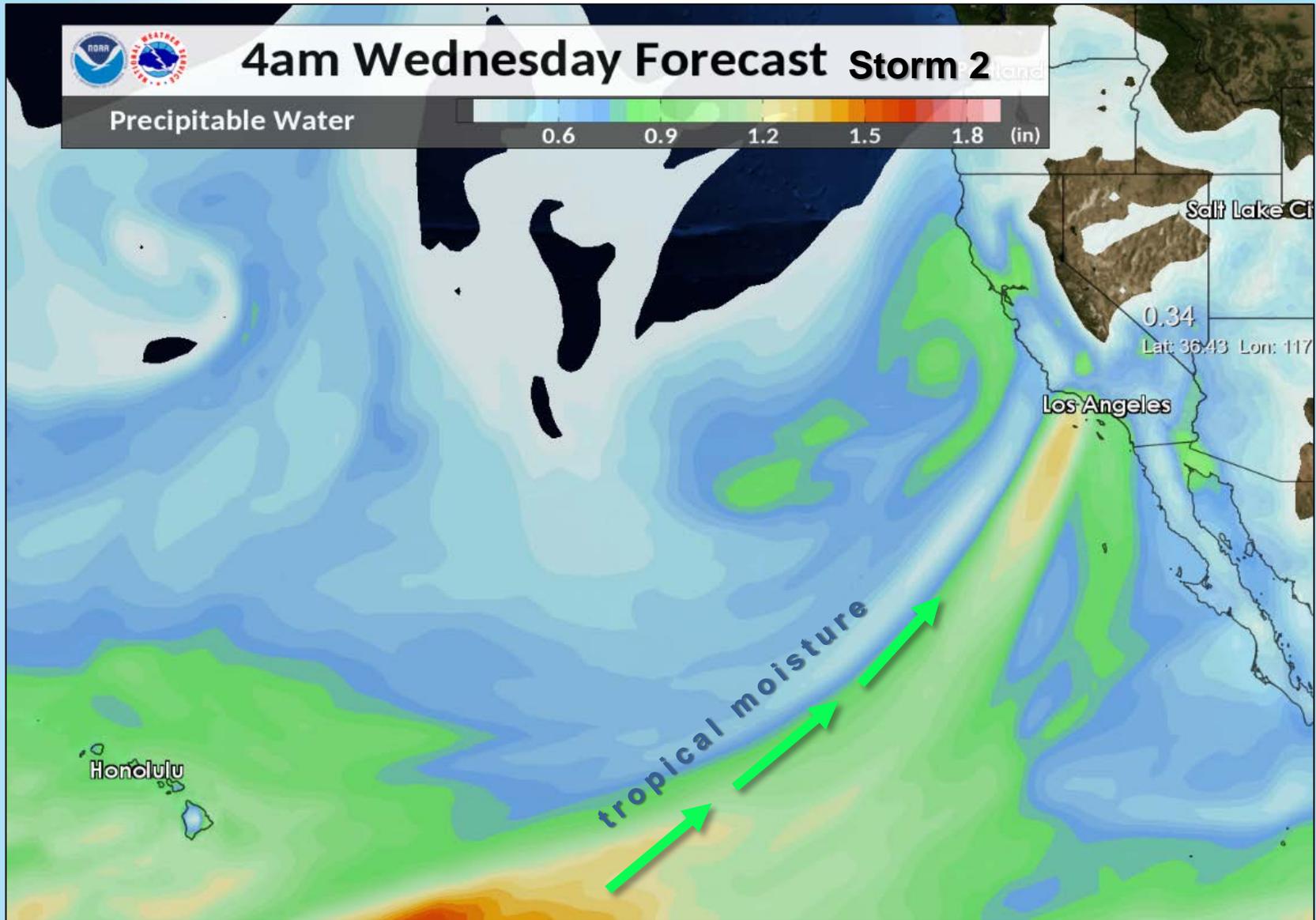
- Ponding and localized flooding on highways in low-lying areas
- Increased traffic accidents/congestion
- Shallow mud and debris flows in and below recent burn scars
 - ✓ *Mainly 1st year for storm 1*
- Canyon rock falls
- Urban/small creek flooding possible
- Elevated flows in main stem rivers; no flooding expected
- Tree limb damage possible mtns tonight, mtns and SLO/SBA coasts Tue night

4am Saturday Forecast Storm 1

Precipitable Water

0.6 0.9 1.2 1.5 1.8 (in)





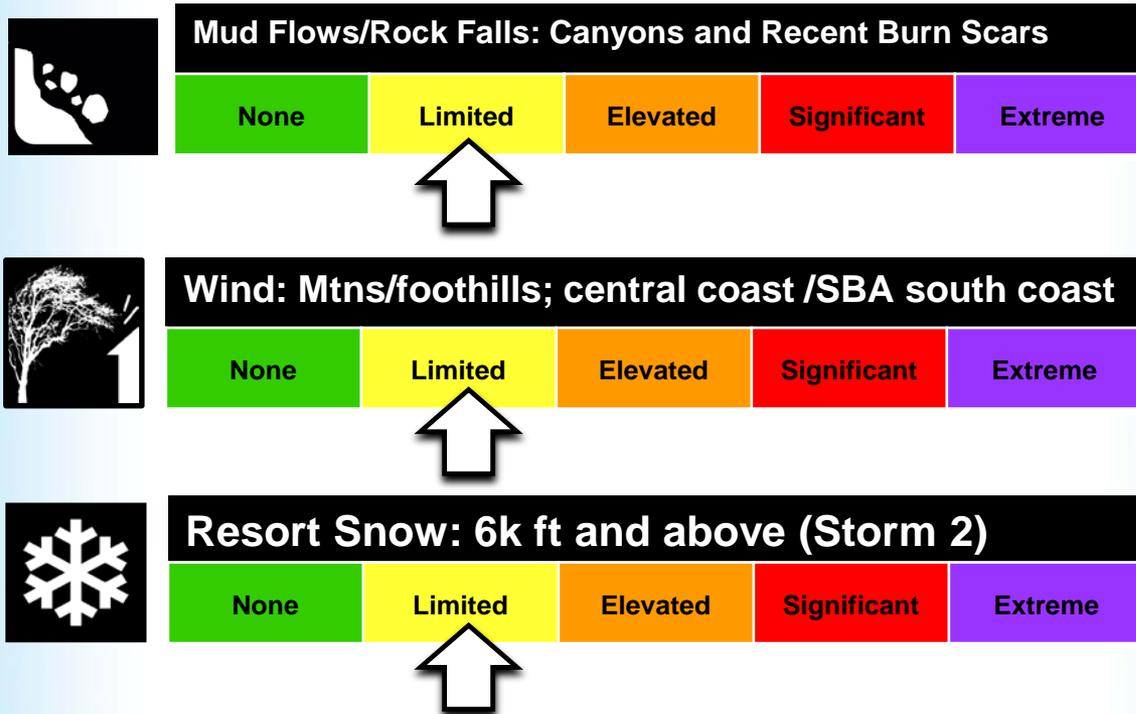
Main Points – Storm 1 (tonight-Sat)

Hazard	Impacts	Location	Timing
<p>Moderate to localized heavy rain</p> 	<ul style="list-style-type: none"> • Shallow mud and debris flows in and below recent burn scars • Canyon road rock falls • Urban/small stream flooding possible • Traffic accidents and congestion 	<ul style="list-style-type: none"> • Main concern is 1st year burn scars • Urban areas/small streams 	<ul style="list-style-type: none"> • Peak rain periods: <p>SLO/SBA Co 11 pm – 6 am</p> <p>VTU Co 2 am–7 am</p> <p>LA Co 3 am-8 am</p>
<p>Moderate SE Winds</p> 	<ul style="list-style-type: none"> • Downed tree limbs 	<ul style="list-style-type: none"> • Strongest foothills/mtns • Gusts to 40 mph 	<ul style="list-style-type: none"> • Tonight • Shifting S-SW on Sat

Main Points – Storm 2 (Tue night-Wed)

Hazard	Impacts	Location	Timing
<p>Moderate to localized heavy rain</p> 	<ul style="list-style-type: none"> • Shallow mud and debris flows in and below recent burn scars • Canyon road rock falls • Urban/small stream flooding possible • Traffic accidents and congestion 	<ul style="list-style-type: none"> • 1st and 2nd year burn scars • Urban areas/small streams 	<ul style="list-style-type: none"> • Peak rain periods: SLO – Tue afternoon SBA/VTU Co – Tue night – Wed morn LA Co – Wed morning
<p>Moderate SE Winds</p> 	<ul style="list-style-type: none"> • Downed tree limbs & isolated power outages 	<ul style="list-style-type: none"> • Strongest foothills/mtns w/gusts to 40 mph • Also central coast and west SBA south coast and waters 	<ul style="list-style-type: none"> • Tue night • Shifting S-SW on Wed
<p>Snow</p> 	<ul style="list-style-type: none"> • Winter driving 	<ul style="list-style-type: none"> • 6000 ft and above 	<ul style="list-style-type: none"> • Late Wed

Summary of Greatest Impacts (both storms)



EMC's GEFS plumes for: KVBG

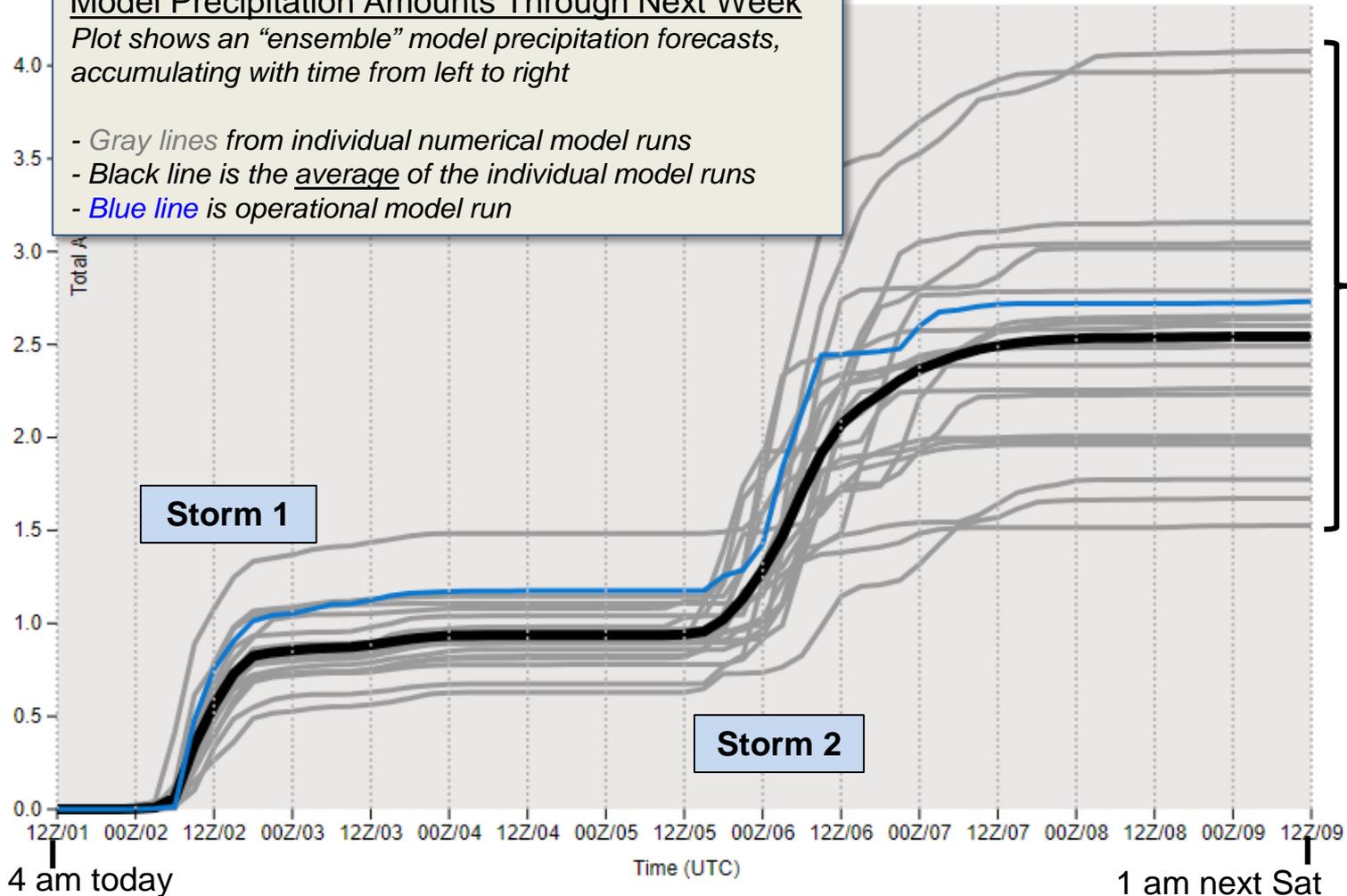
12 UTC 01 March 2019 cycle

Model Precipitation Amounts Through Next Week
 Plot shows an "ensemble" model precipitation forecasts, accumulating with time from left to right

- Gray lines from individual numerical model runs
- Black line is the average of the individual model runs
- Blue line is operational model run

Total Precipitation (inches)

Shows Forecast Uncertainty



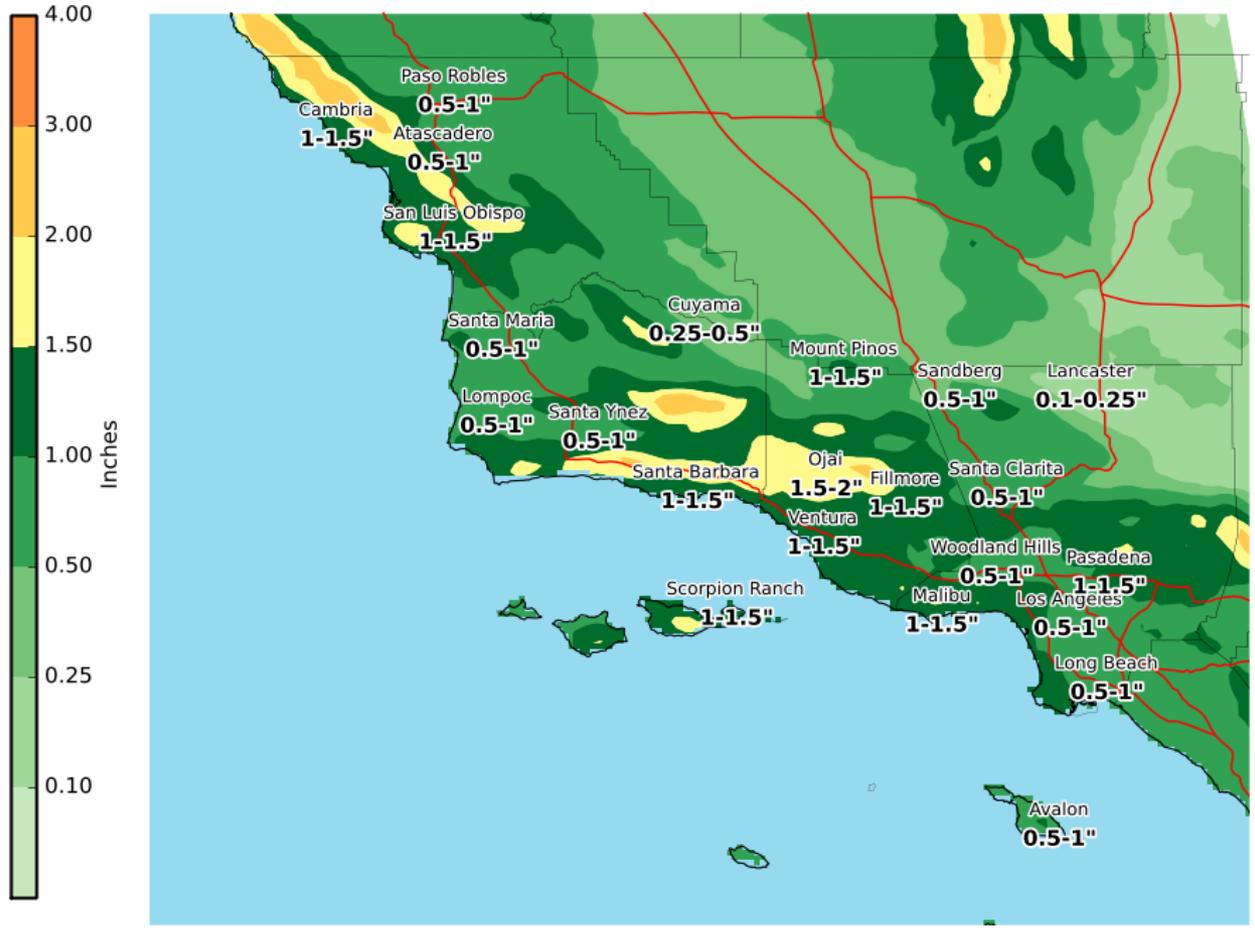


Confidence Levels

- **Storm 1: Tonight-Saturday**
 - *Storm totals: High*
 - *Peak rates: Moderate*
 - *Timing: High*
- **Storm 2: Tue night – Wed**
 - *Storm totals: Moderate*
 - *Peak rates: Low-moderate*
 - *Timing: Low-moderate*

Storm Total Rain - Storm 1

Valid: 03/01/2019 04:00 PM - 03/03/2019 04:00 AM PST



National Weather Service
Los Angeles/Oxnard California
 03/01/2019 12:08 PM PST

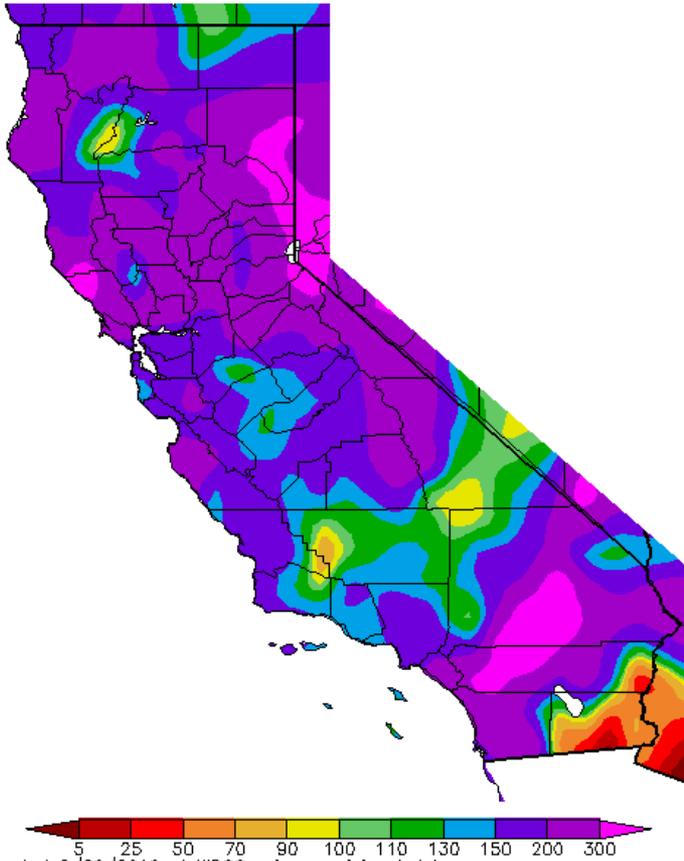
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Briefing Summary

- ✓ **2 storms – (1) Tonight and Saturday; (2) Tue night and Wed**
- ✓ **Storm 1 totals: 0.75-1.25” coasts/valleys, up to 2-3” foothills/mtns**
- ✓ **Storm 1 peak rain rates 0.20 – 0.50” per hour**
- ✓ **Moderate SE winds mtns tonight, then S-SW on Sat**
- ✓ **Snow level 8000 ft**
- ✓ **Lingering showers Sat then dry and warming trend late Sun-Mon**
- ✓ **Storm 2 totals: 1-3”;** higher south-facing slopes/mtns
- ✓ **Storm 2 peak rain rates slightly higher than storm 1’s**
- ✓ **Moderate SE winds Tue night, then S-SW on Wed – central coast/SBA south coast and coastal waters; mountains**
- ✓ **Resort level snow accumulations, especially above 6000 ft**
- ✓ **Lingering showers through at least Thursday or even into Saturday**

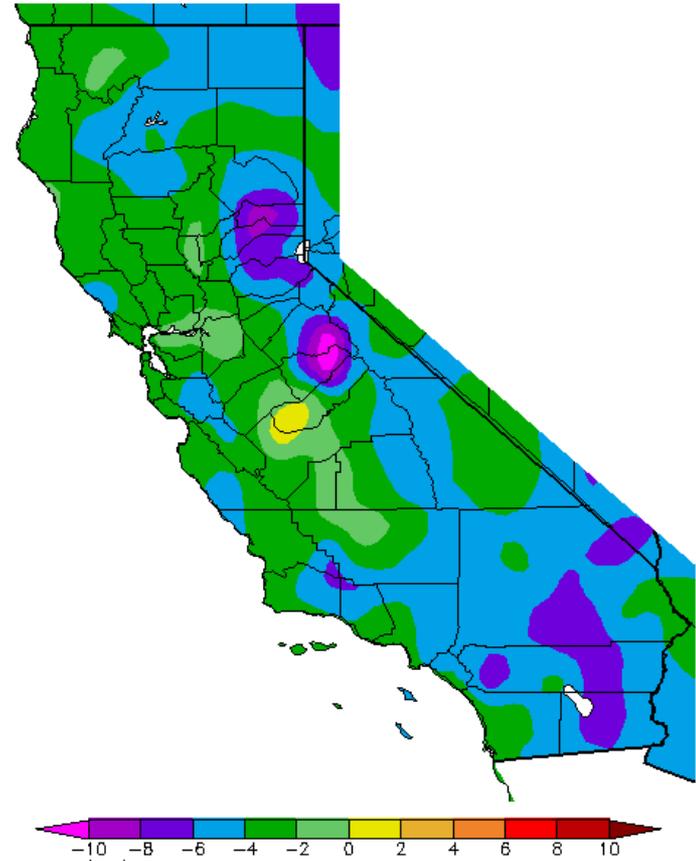
February Precip/Temp

% Average Precipitation



Generated 2/28/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

Ave Temp Dep from Ave (deg F)



Generated 2/28/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

February 2019 Climate Facts

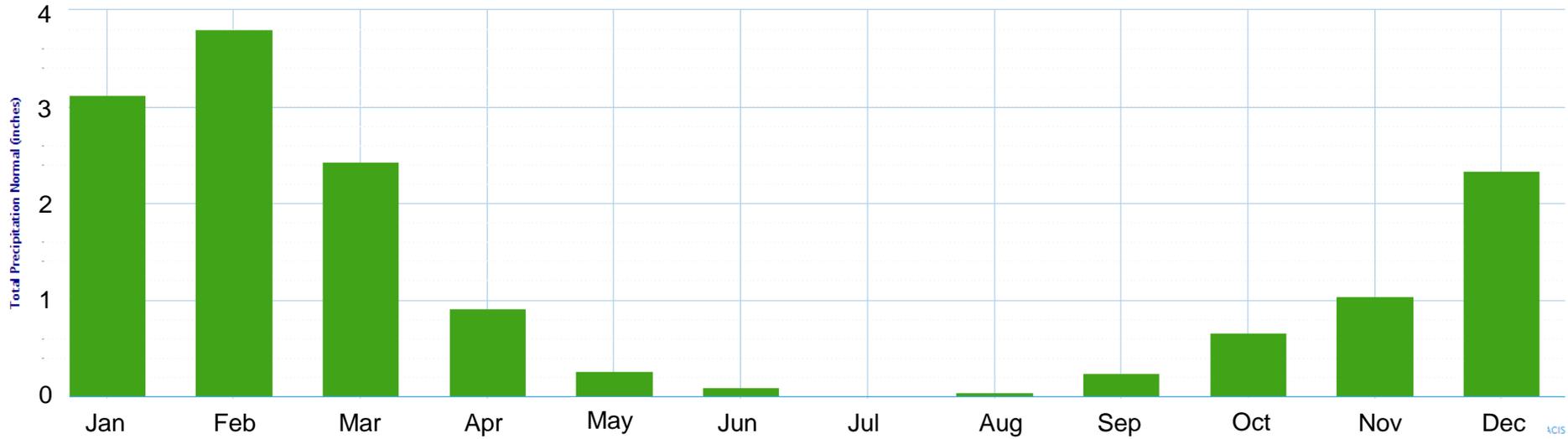
Downtown Los Angeles

- First time on record going back to 1878 it did not reach at least 70 degrees
- Average high 8th coldest for the month
- Coldest February in 57 years
- 28th wettest on record
 - 5.59 inches
 - Normal is 3.23 inches
 - 2005 most recent wettest Feb (11.02 inches)

Monthly Ave Precipitation (inches) *Downtown Los Angeles*

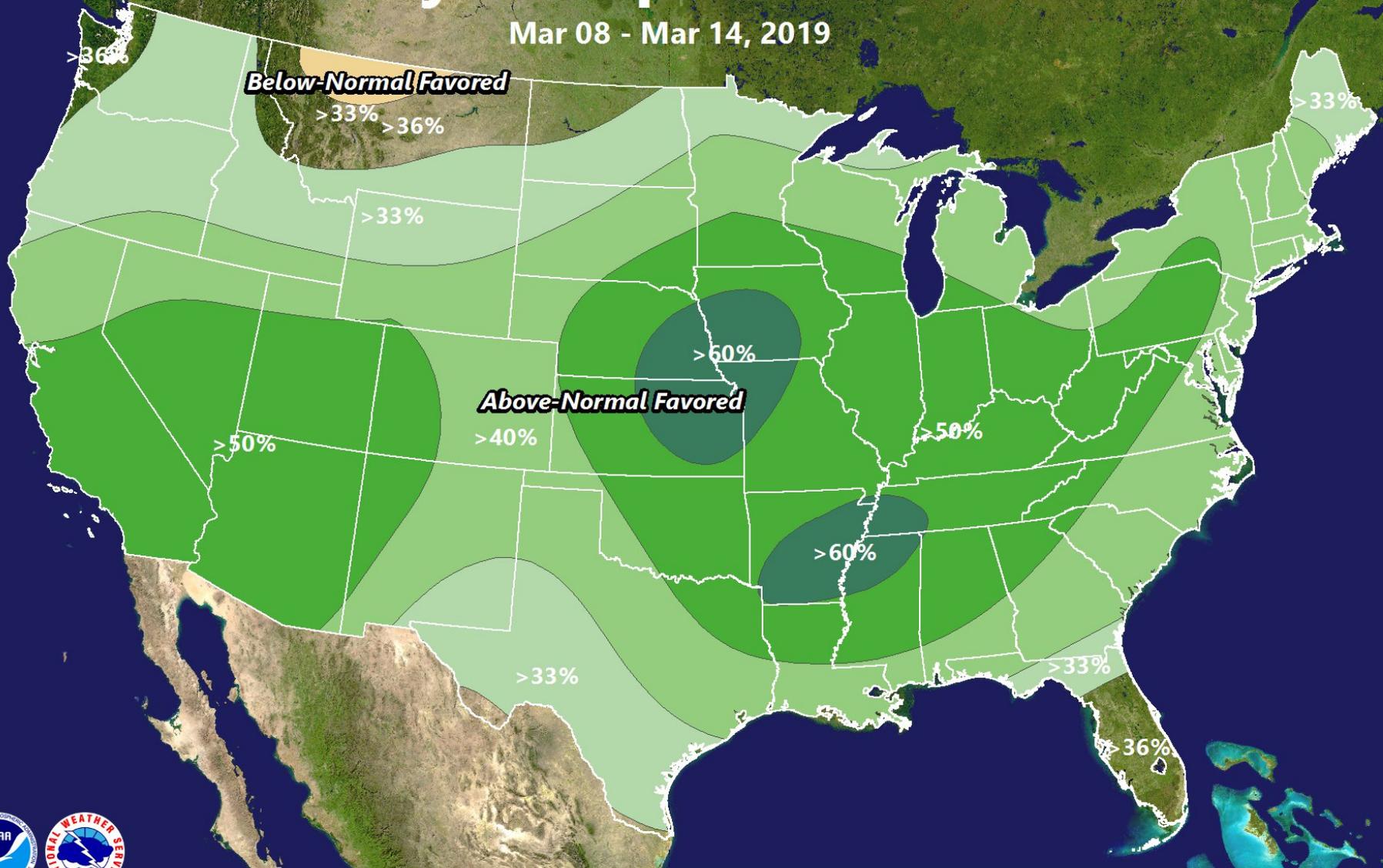
Monthly Climate Normals (1981-2010) - Los Angeles Downtown Area, CA (ThreadEx)

Click and drag to zoom to a shorter time interval



8-14 Day Precipitation Outlook

Mar 08 - Mar 14, 2019



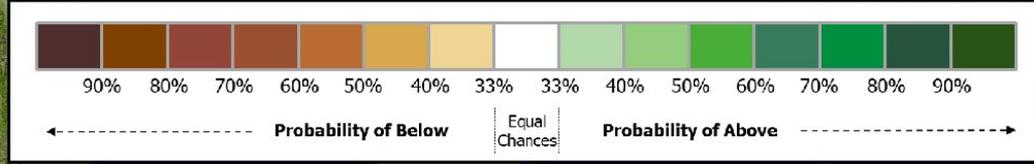
Below-Normal Favored

Above-Normal Favored



Climate Prediction Center

Issued: 02/28/2019



Contact Information



First briefing for Storm 2



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Disclaimer: *The information contained within this briefing is time-sensitive, please visit our website for the latest information*