

How to Read the Output of a Single-Point Analysis



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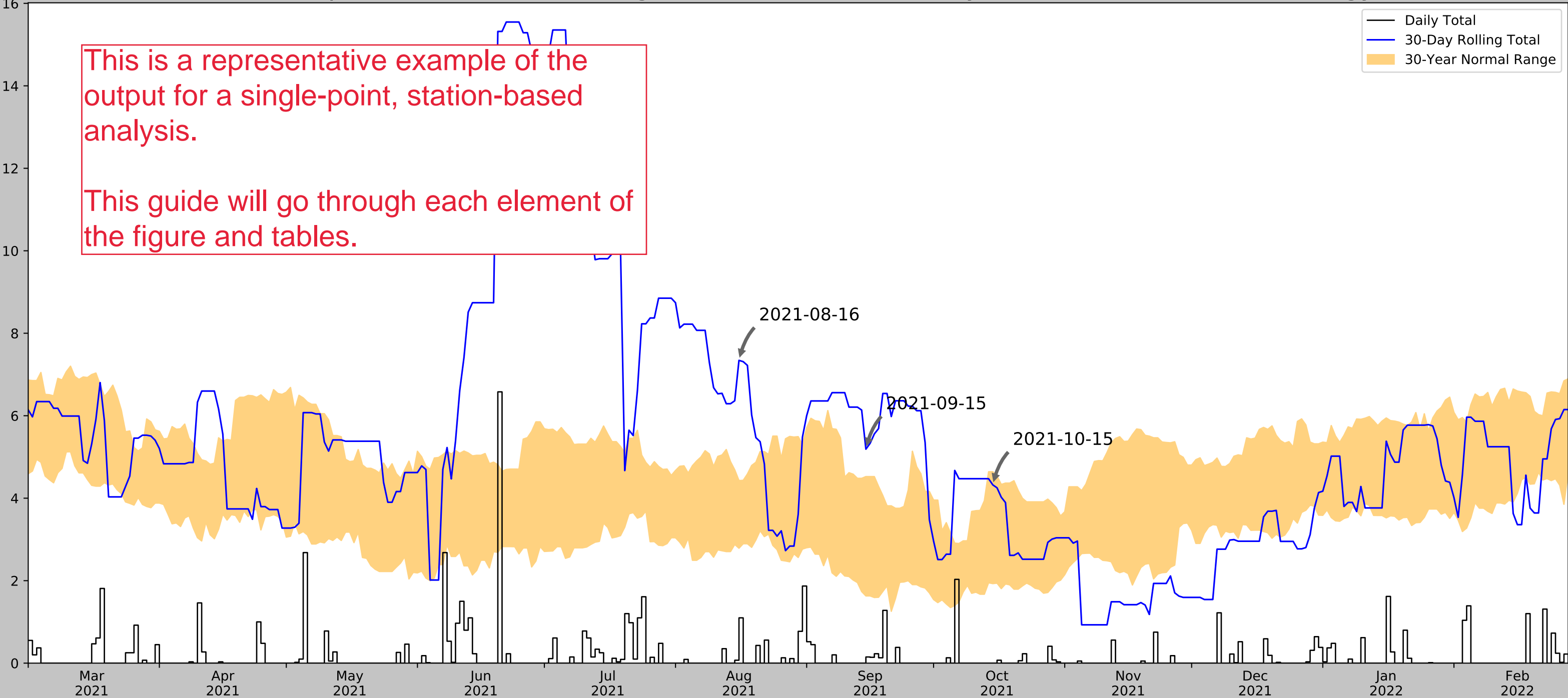


Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)




This is a representative example of the output for a single-point, station-based analysis.

This guide will go through each element of the figure and tables.

Coordinates	33.2098, -87.5692
Observation Date	2021-10-15
Elevation (ft)	225.39
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Wet Season


30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-15	1.928347	4.642126	4.322835	Normal	2	3	6
2021-09-15	1.629921	4.52441	5.188977	Wet	3	2	6
2021-08-16	2.787008	4.427559	7.34252	Wet	3	1	3
Result							Wetter than Normal - 15



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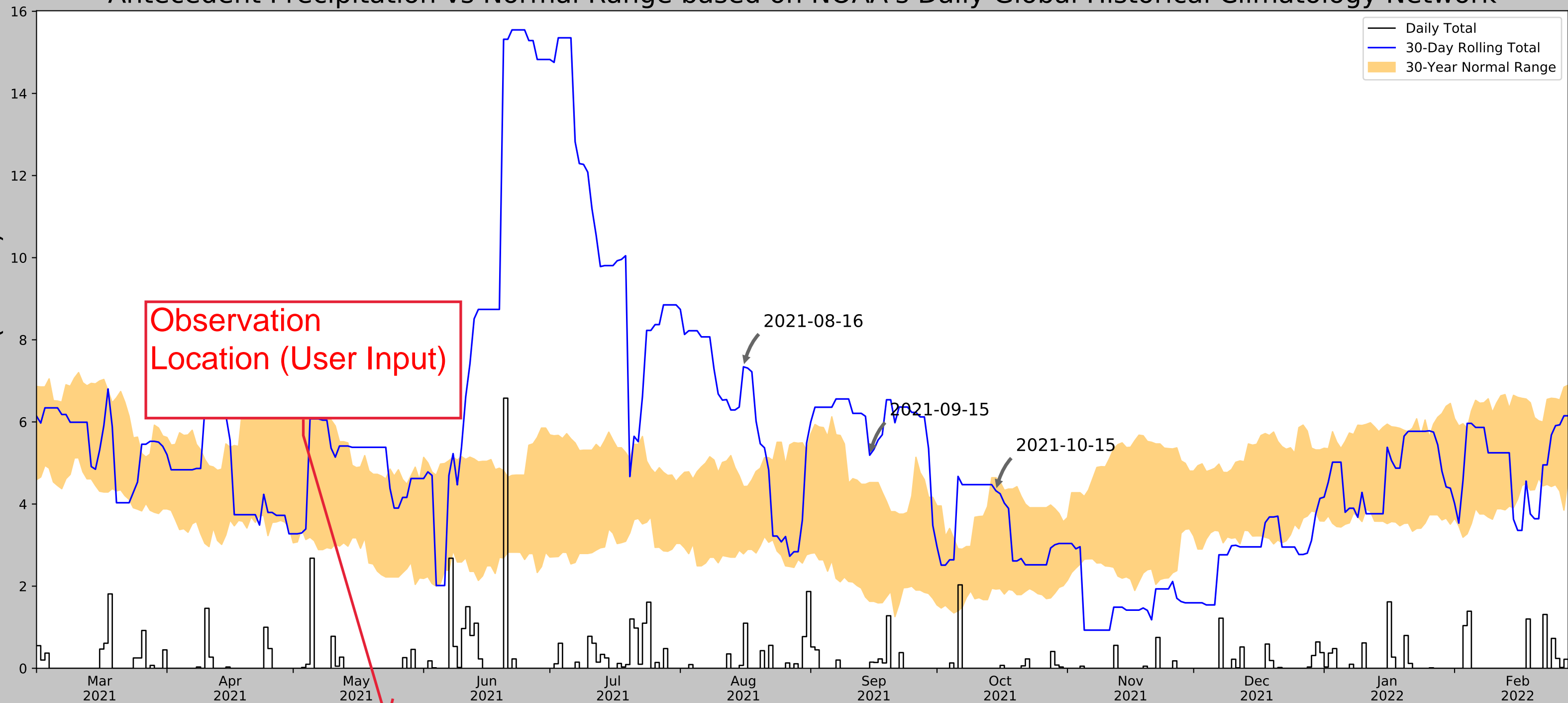


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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
TUSCALOOSA OLIVER DAM	33.2097, -87.5936	151.903	1.411	73.487	0.738	11106	90
NORTHPORT 2 S	33.2125, -87.5914	149.934	0.232	1.969	0.105	124	0
TUSCALOOSA MUNI AP	33.2119, -87.6161	149.934	1.31	1.969	0.592	92	0
TUSCALOOSA ACFD	33.2119, -87.6161	168.963	1.31	17.06	0.612	1	0
HOLT L&D	33.2533, -87.45	194.882	8.829	42.979	4.353	30	0

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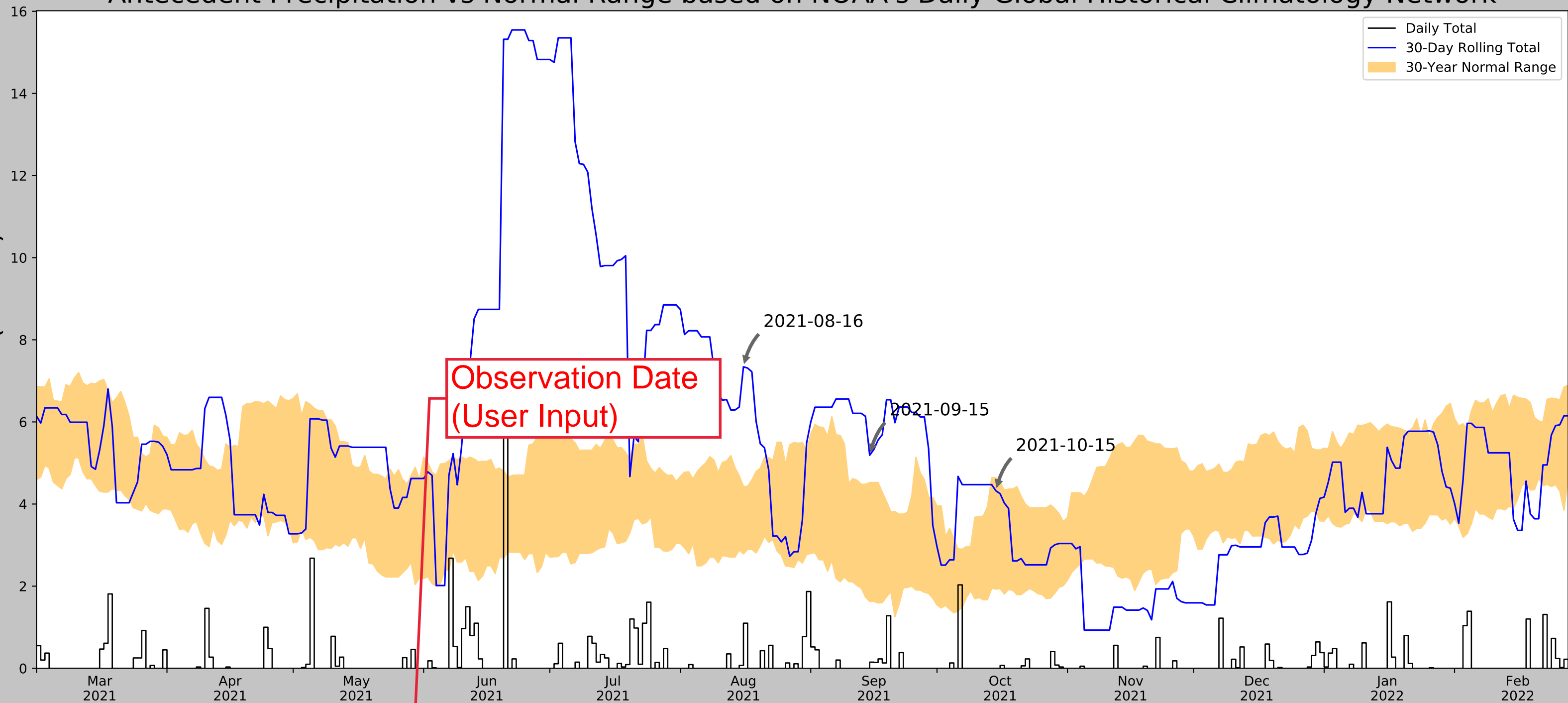
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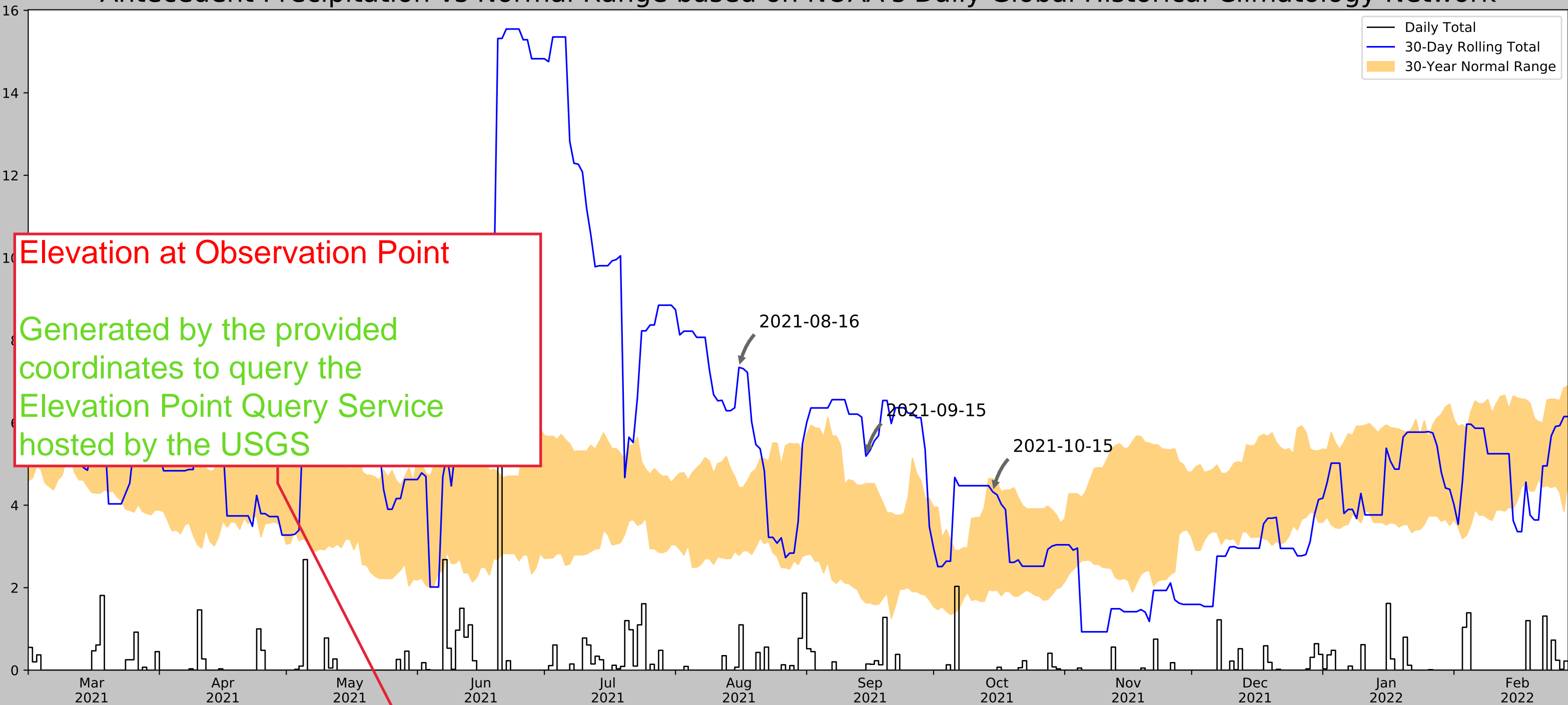
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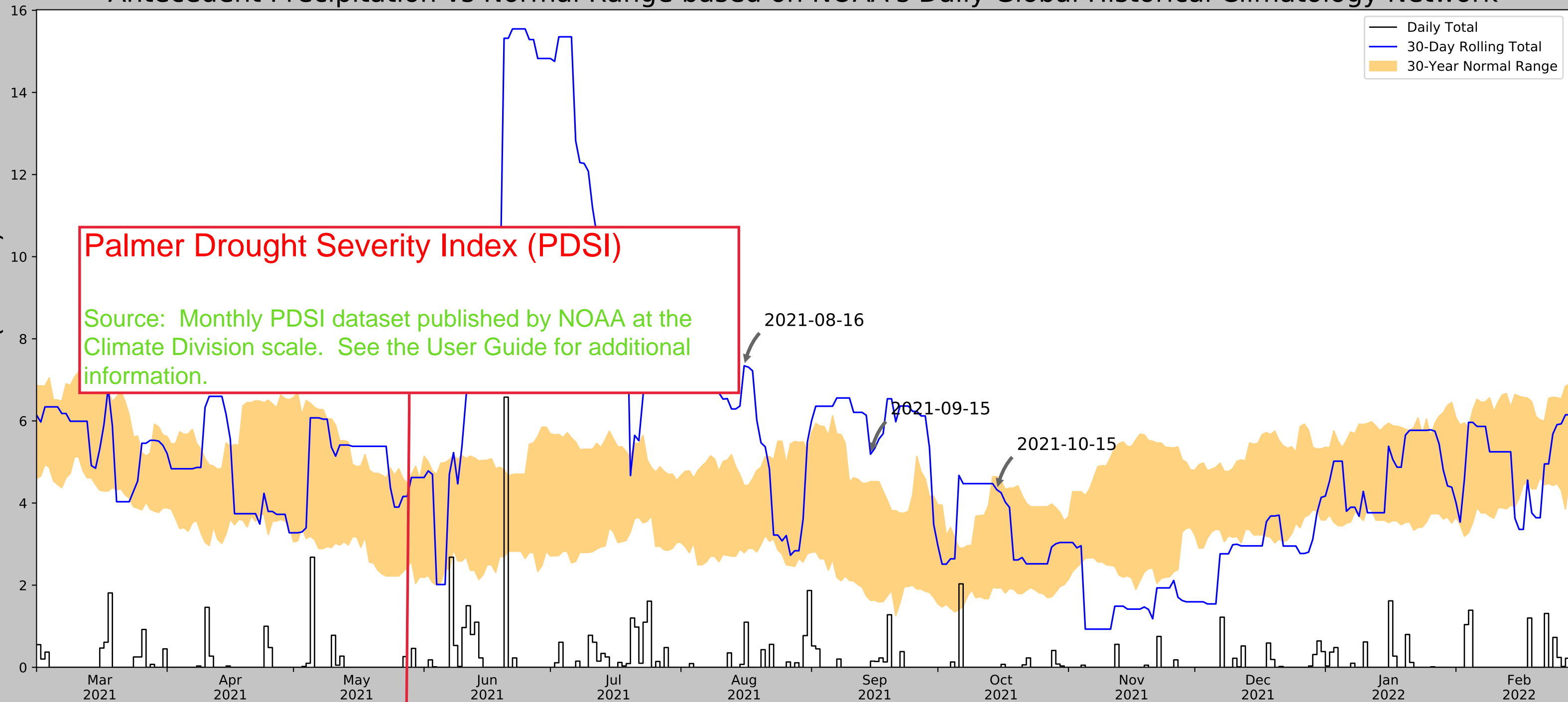


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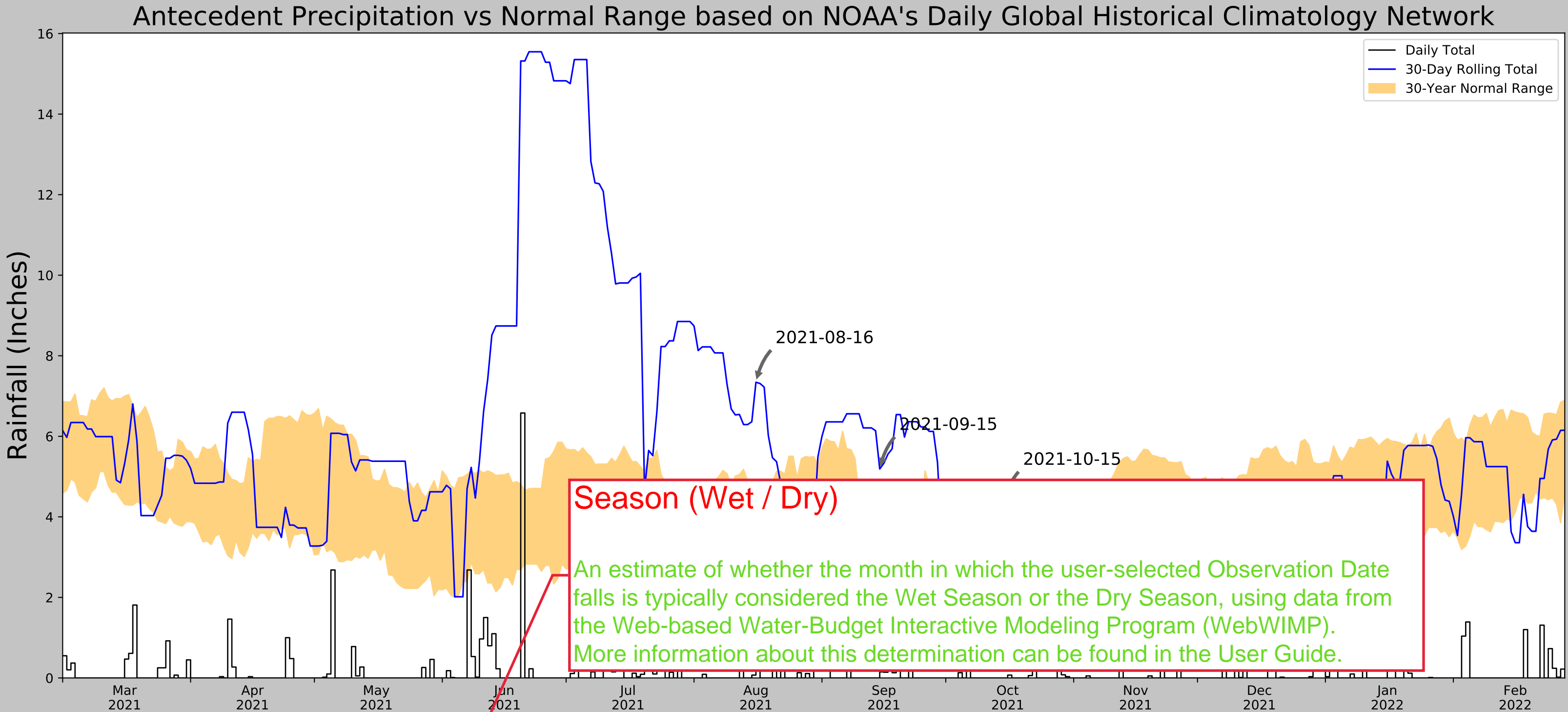
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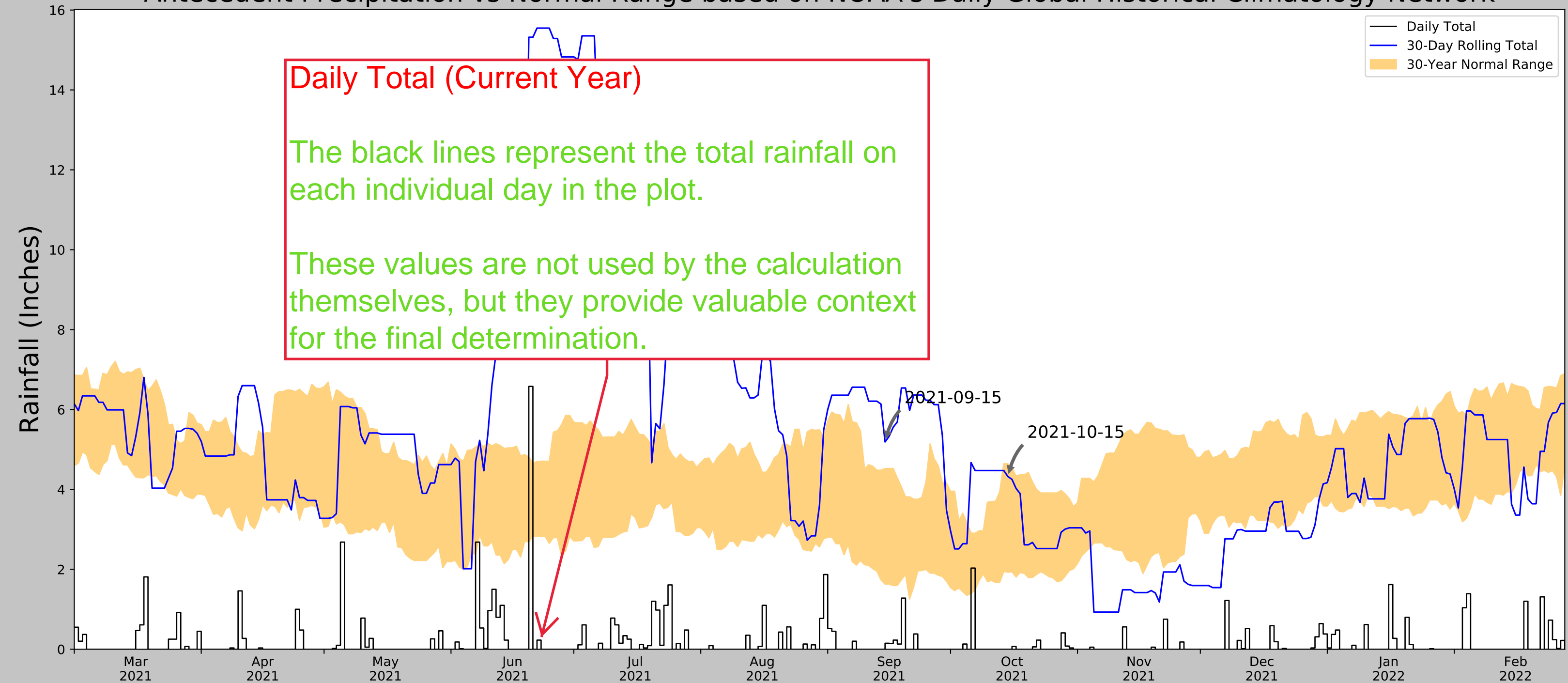
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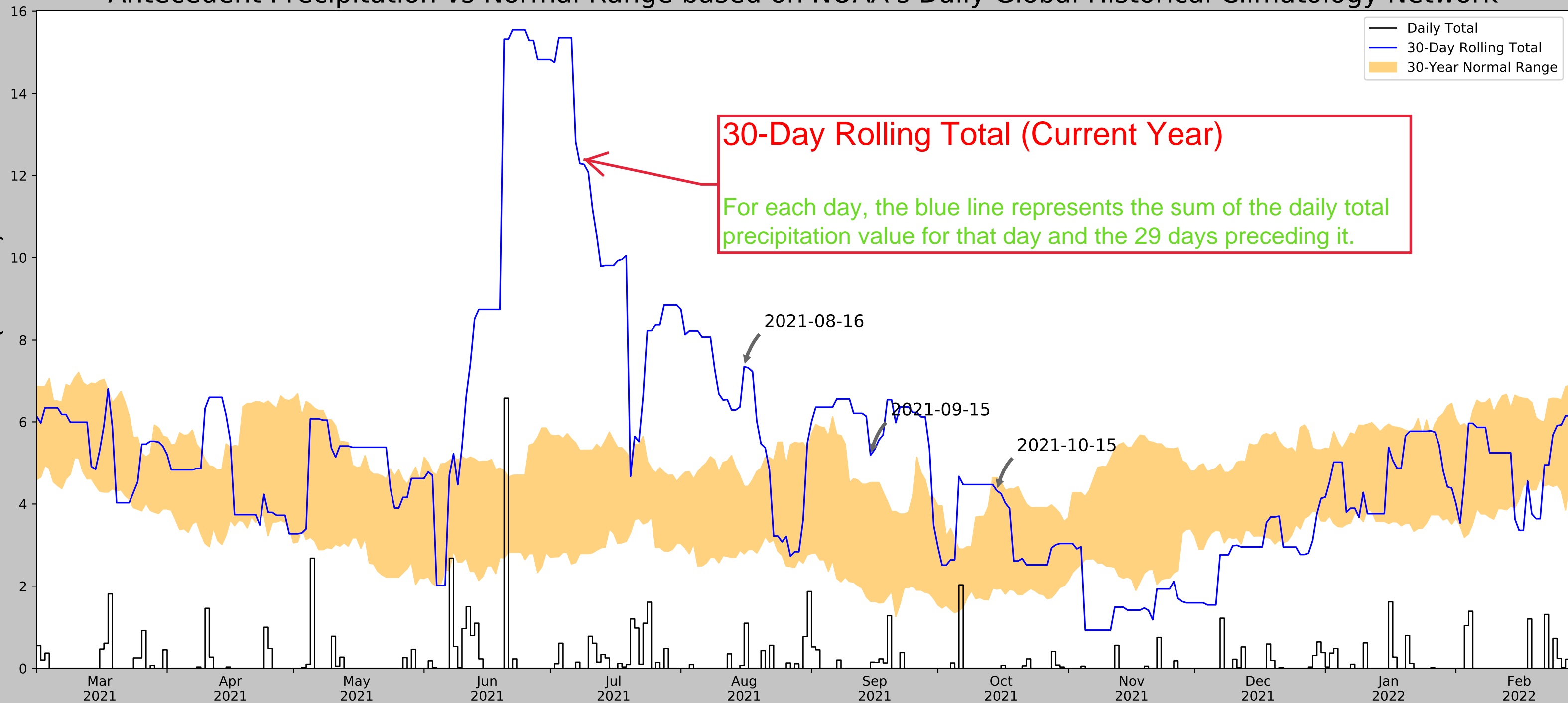


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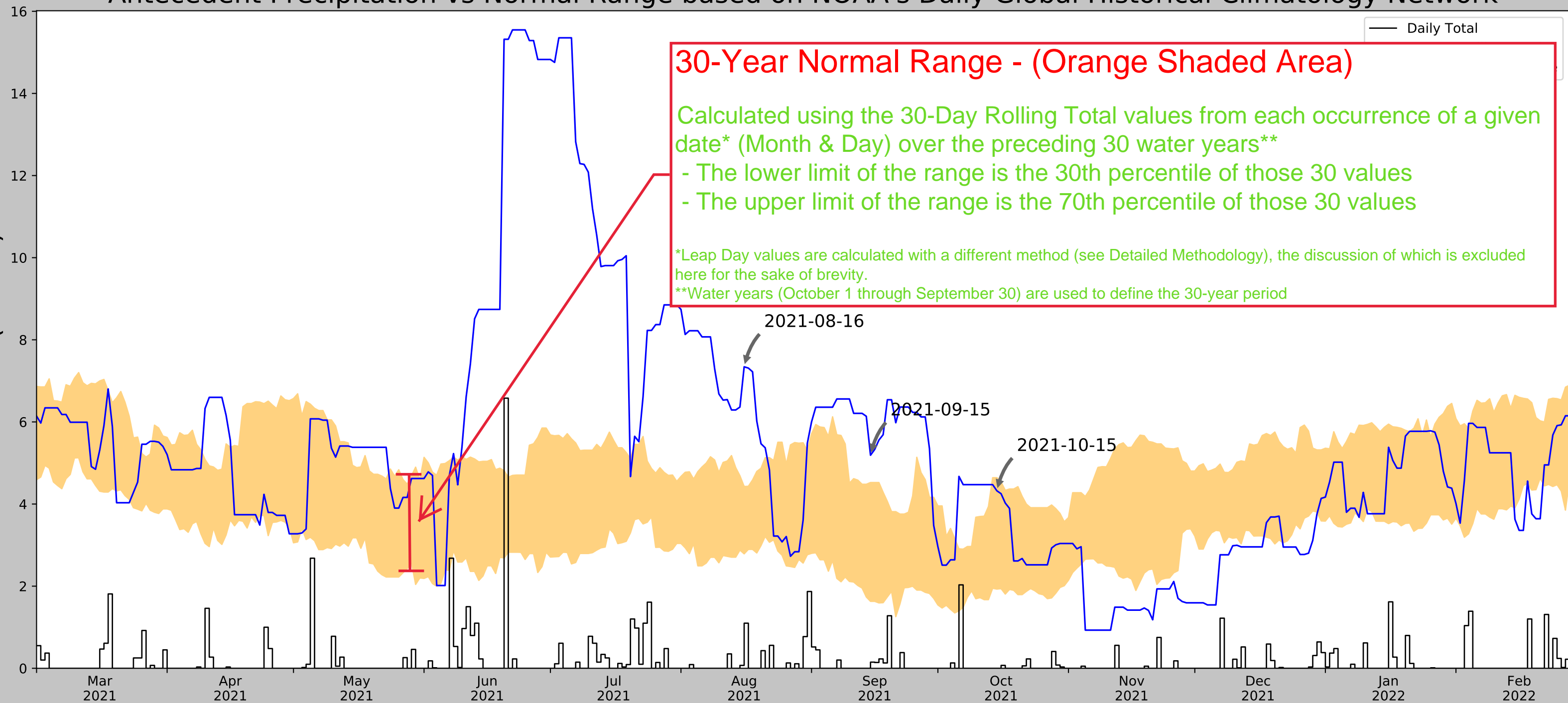
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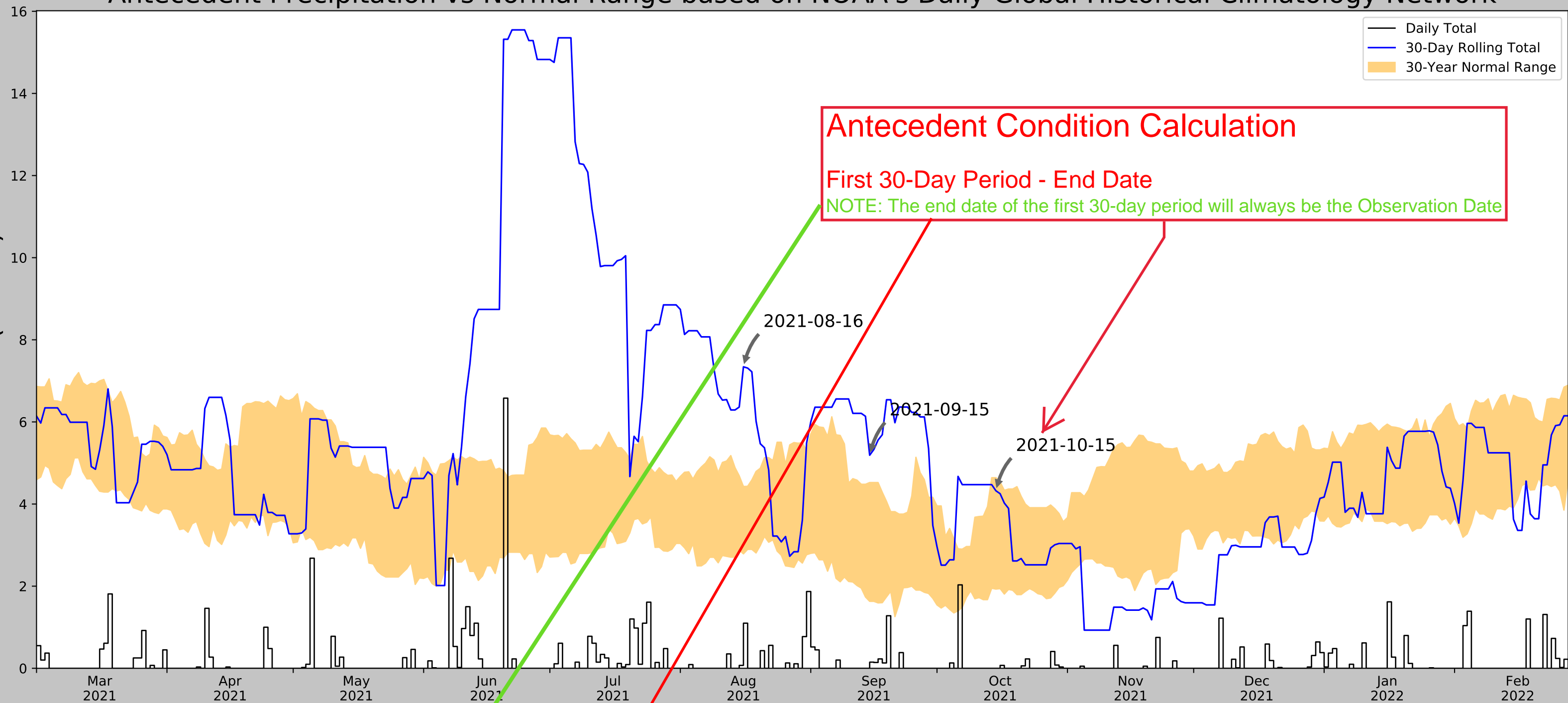
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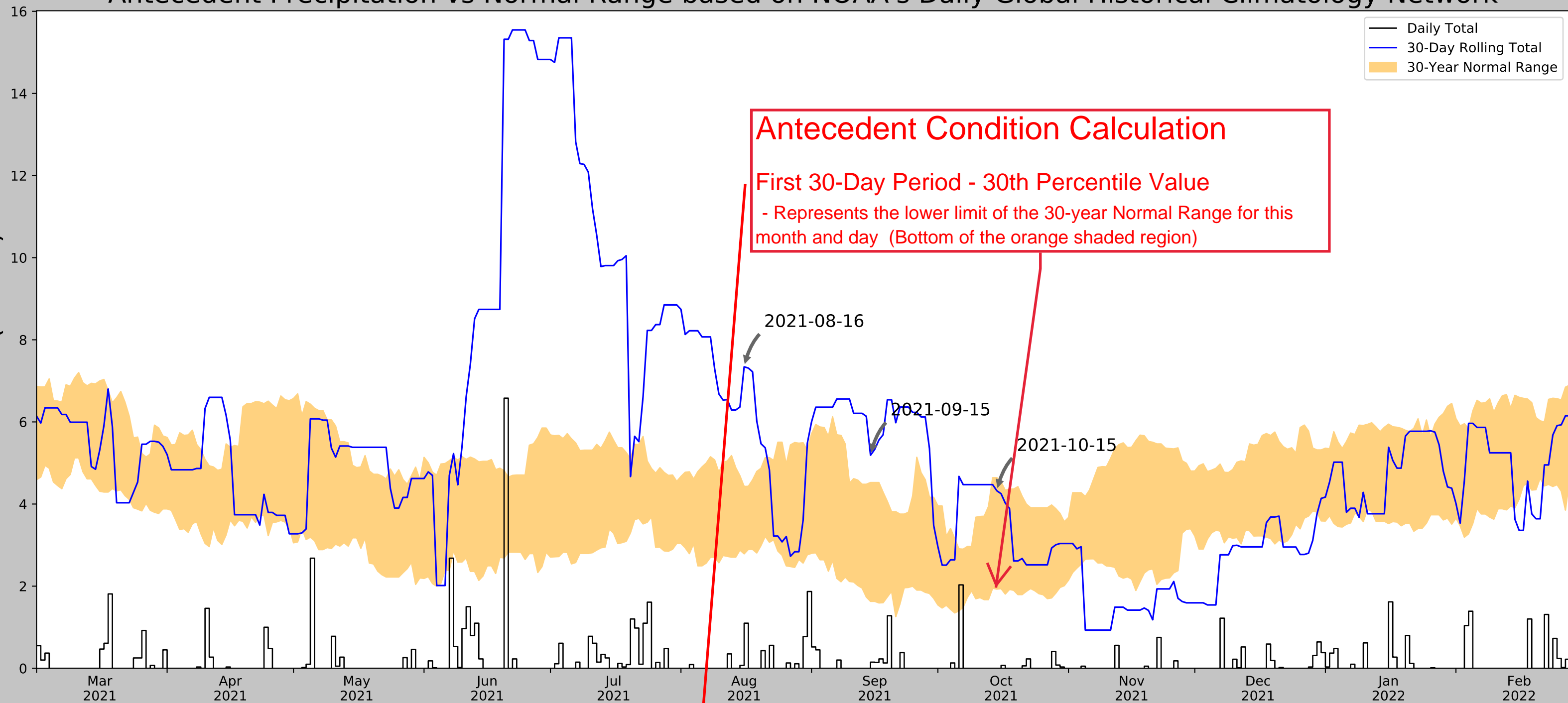
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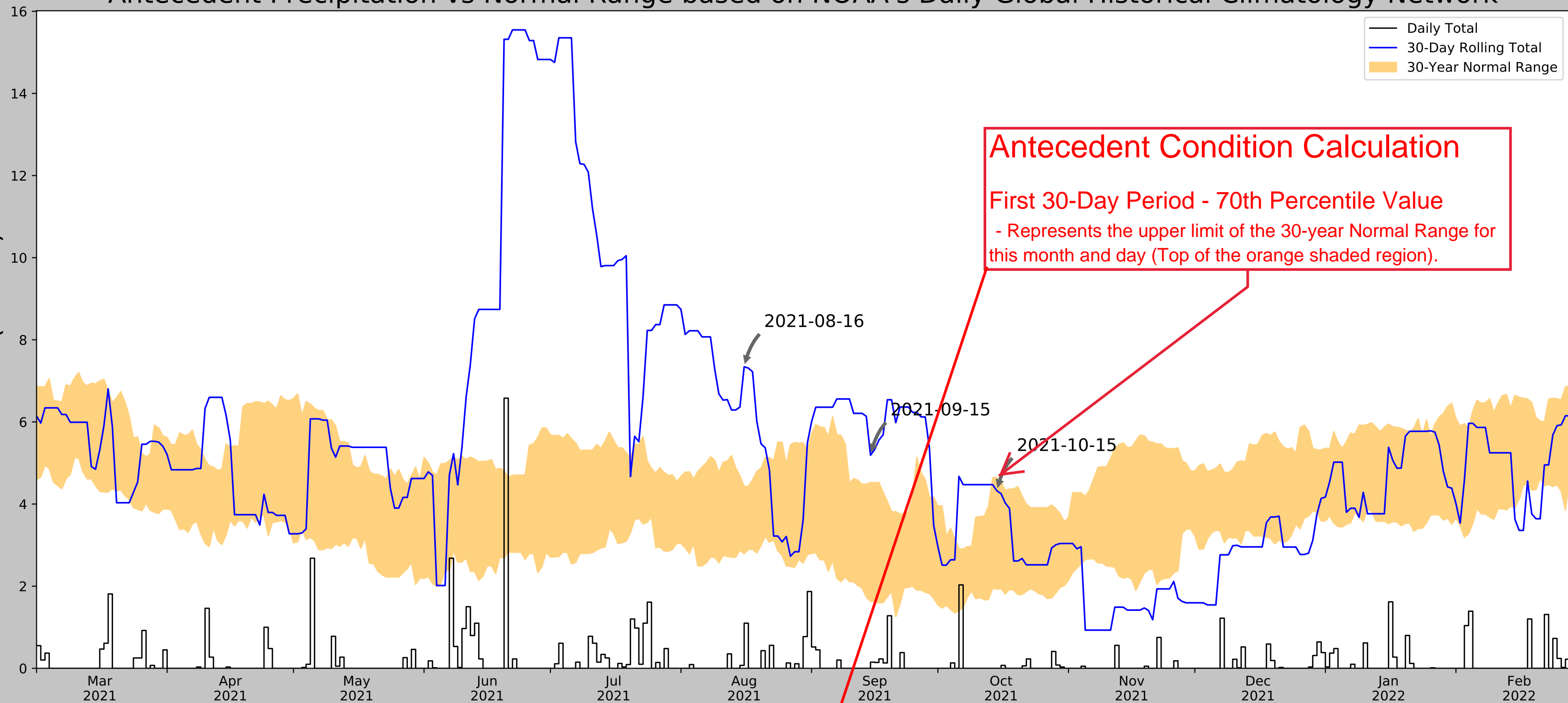
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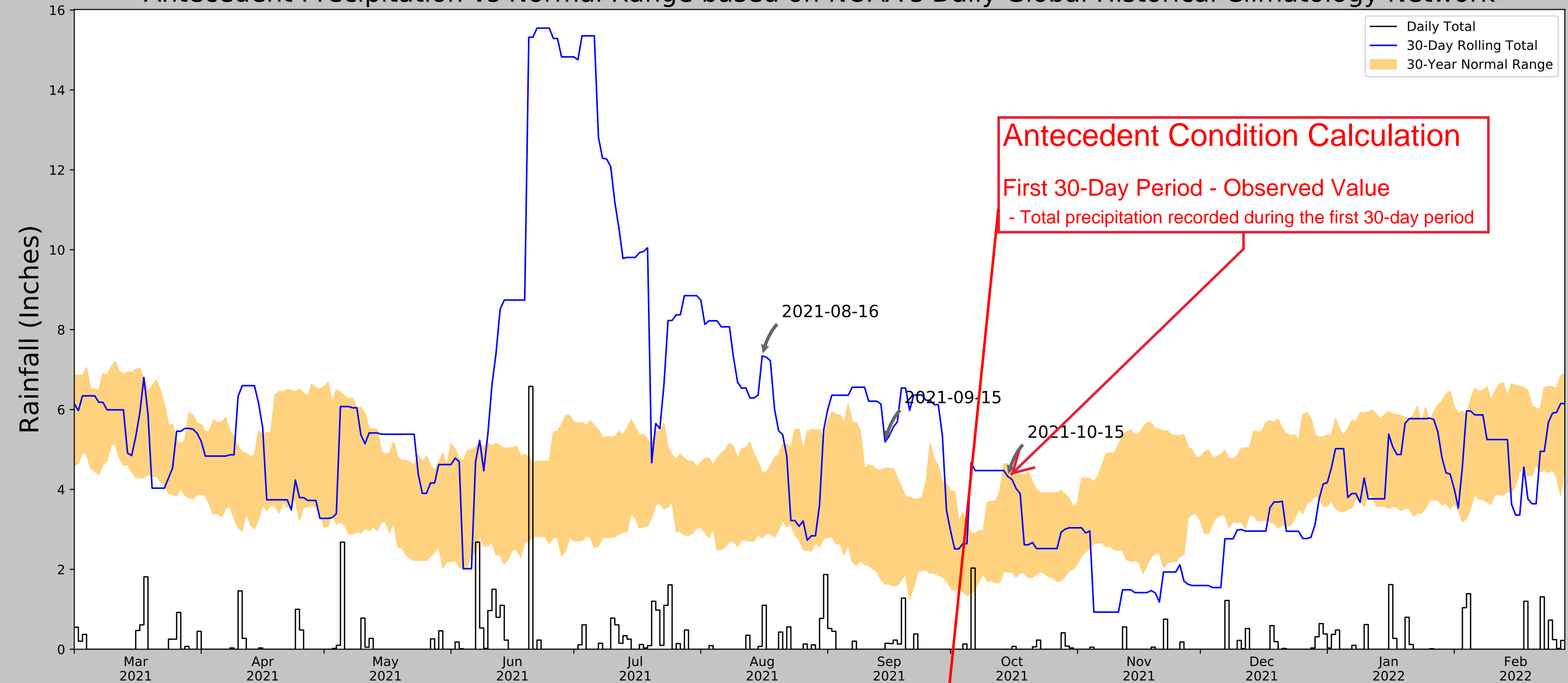


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2021-08-16	2.787008	4.427559	7.34252	Wet	3	1	3
Result							Wetter than Normal - 15



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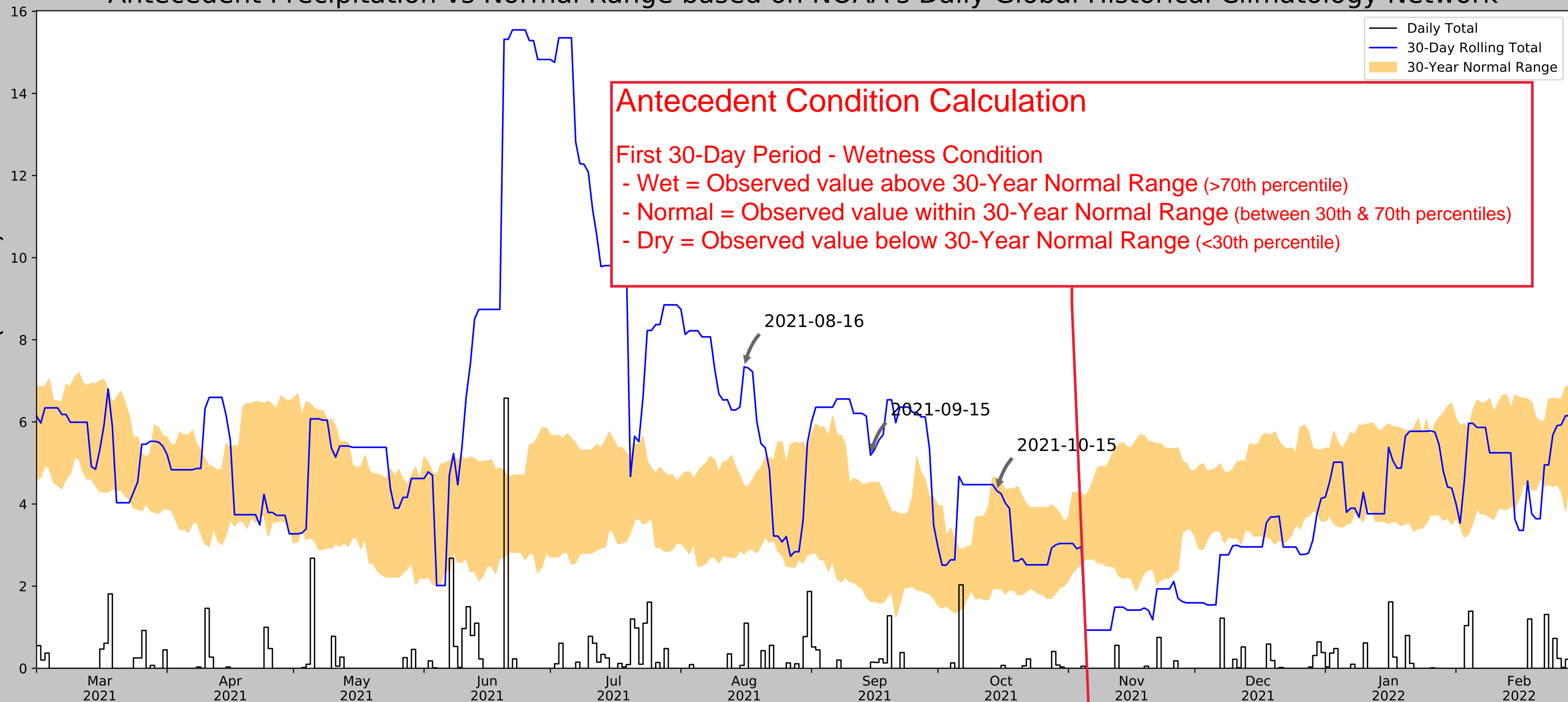


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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
TUSCALOOSA OLIVER DAM	33.2097, -87.5936	151.903	1.411	73.487	0.738	11106	90
NORTHPORT 2 S	33.2125, -87.5914	149.934	0.232	1.969	0.105	124	0
TUSCALOOSA MUNI AP	33.2119, -87.6161	149.934	1.31	1.969	0.592	92	0
TUSCALOOSA ACFD	33.2119, -87.6161	168.963	1.31	17.06	0.612	1	0
HOLT L&D	33.2533, -87.45	194.882	8.829	42.979	4.353	30	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	33.2098, -87.5692
Observation Date	2021-10-15
Elevation (ft)	225.39
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-15	1.928347	4.642126	4.322835	Normal	2	3	6
2021-09-15	1.629921	4.52441	5.188977	Wet	3	2	6
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Result							Wetter than Normal - 15



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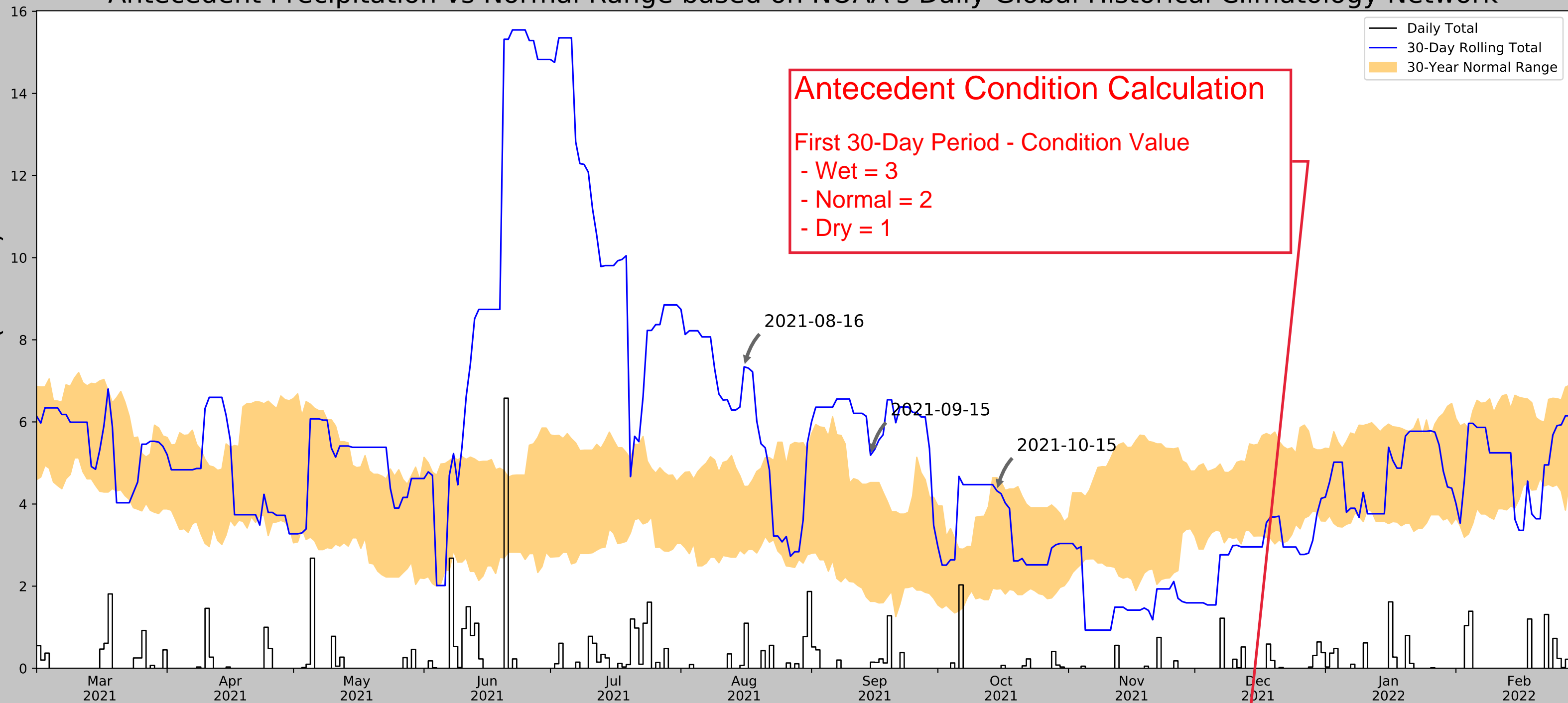
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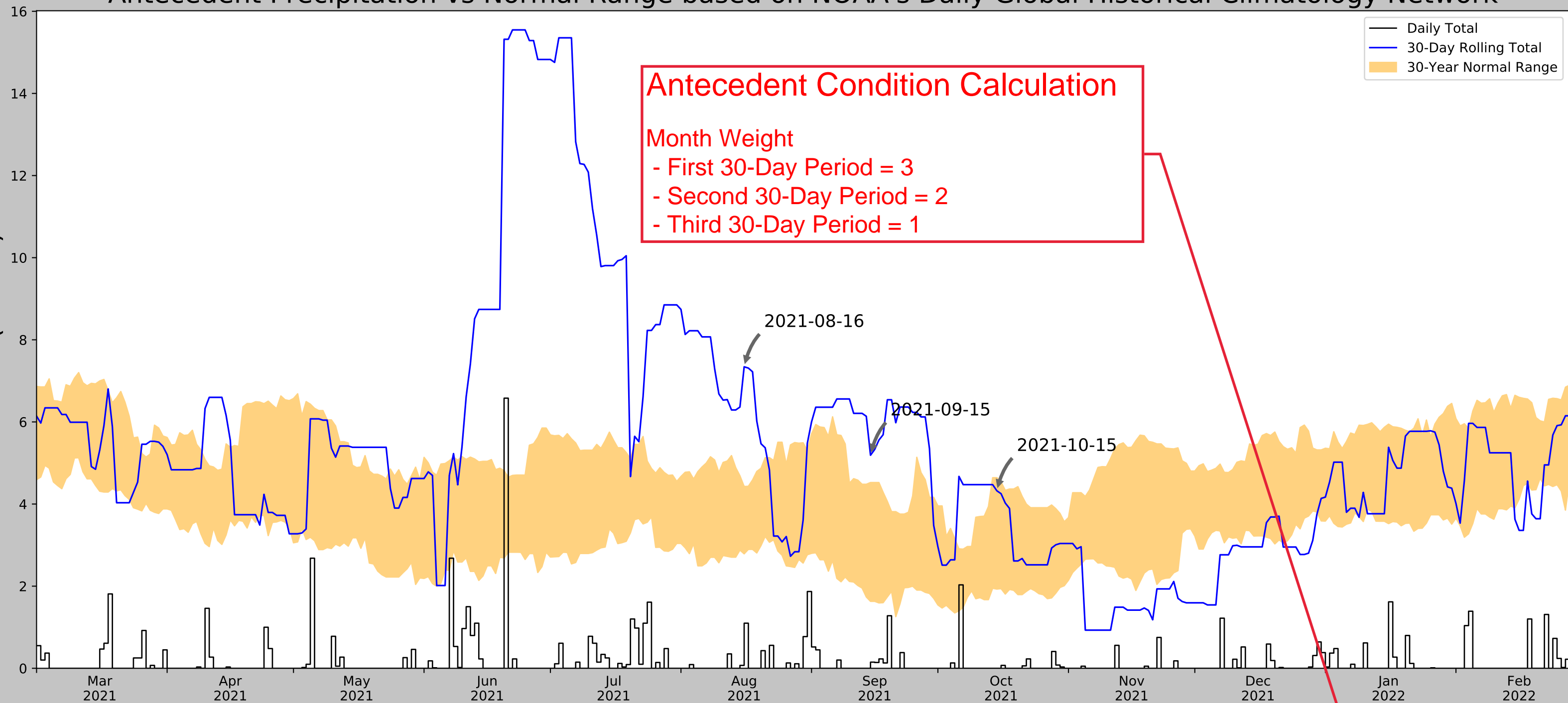
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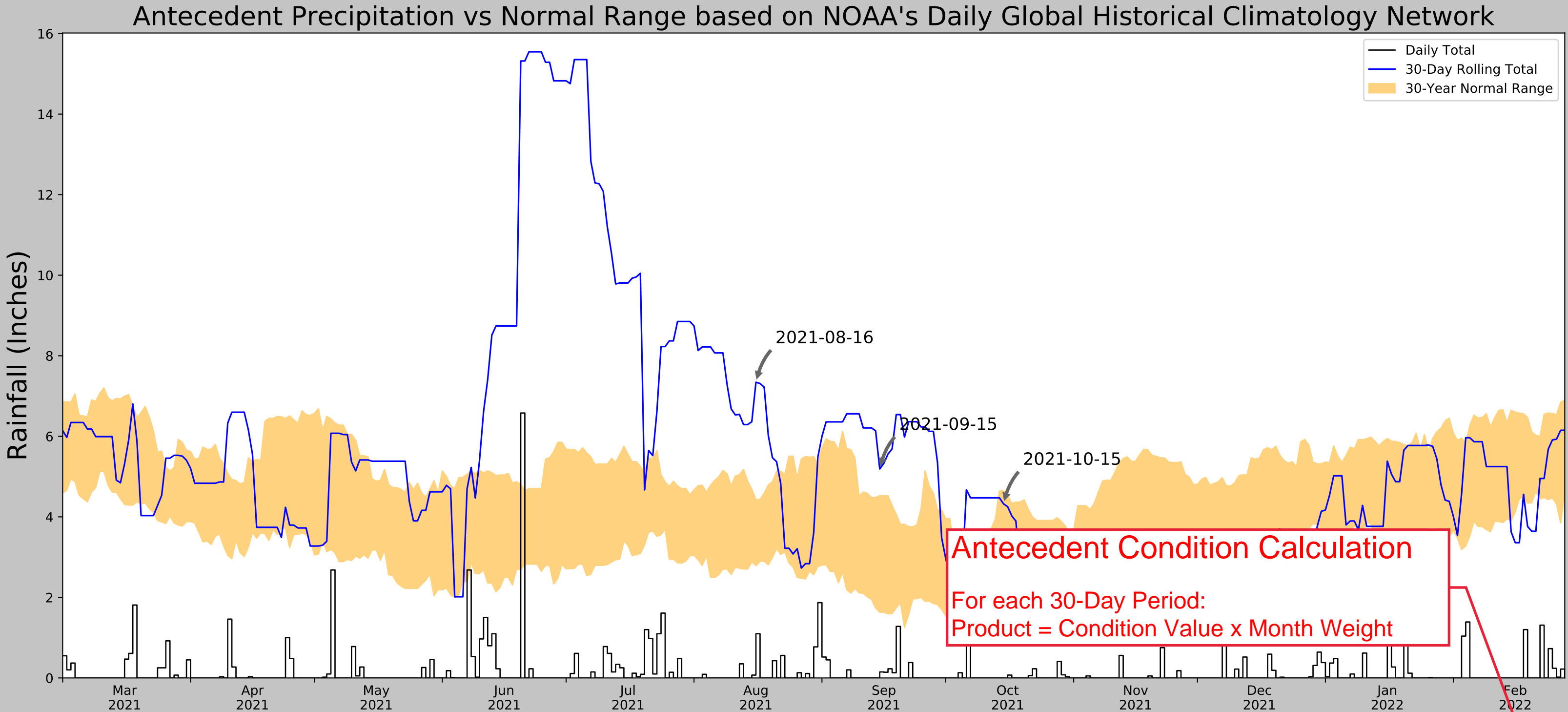
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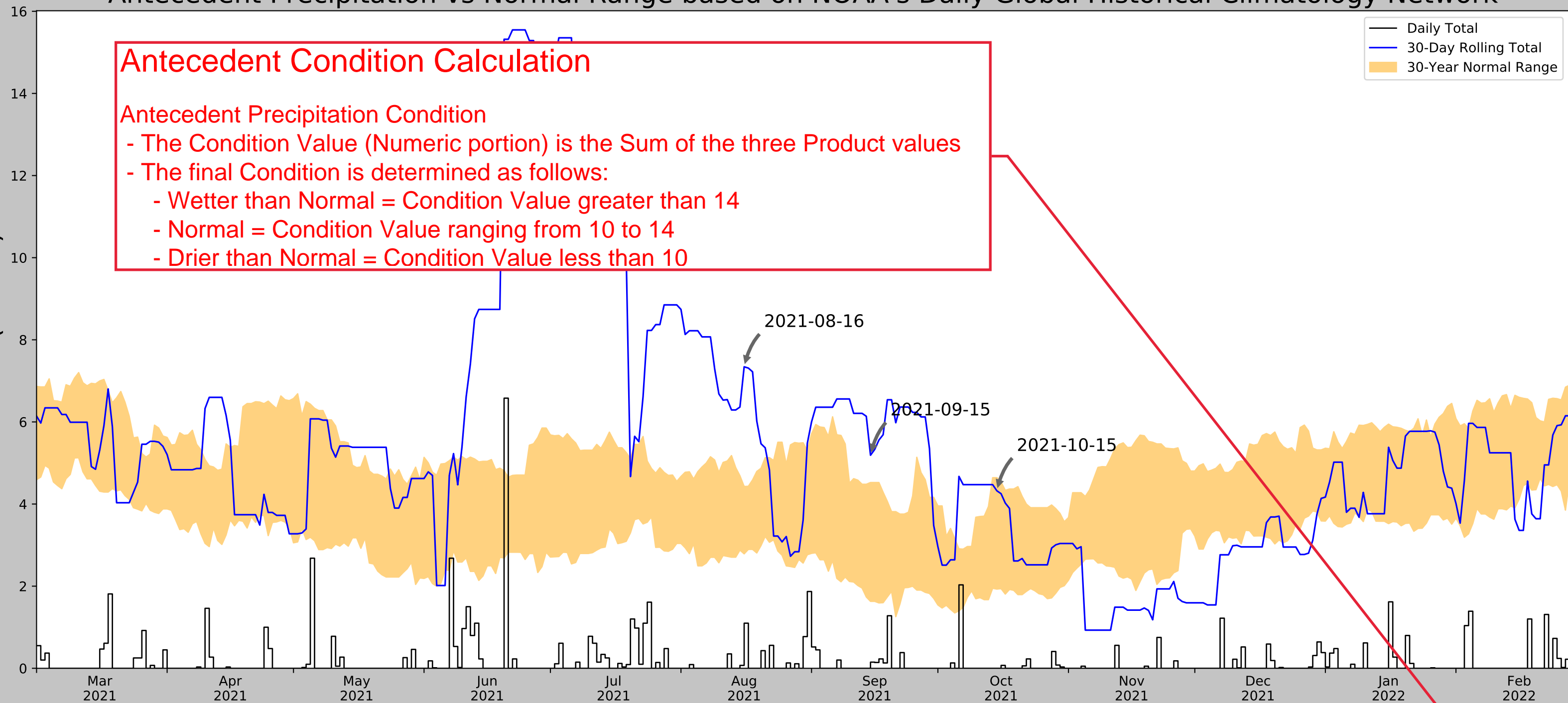


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Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	33.2098, -87.5692
Observation Date	2021-10-15
Elevation (ft)	225.39
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
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2021-08-16	2.787008	4.427559	7.34252	Wet	3	1	3
Result							Wetter than Normal - 15



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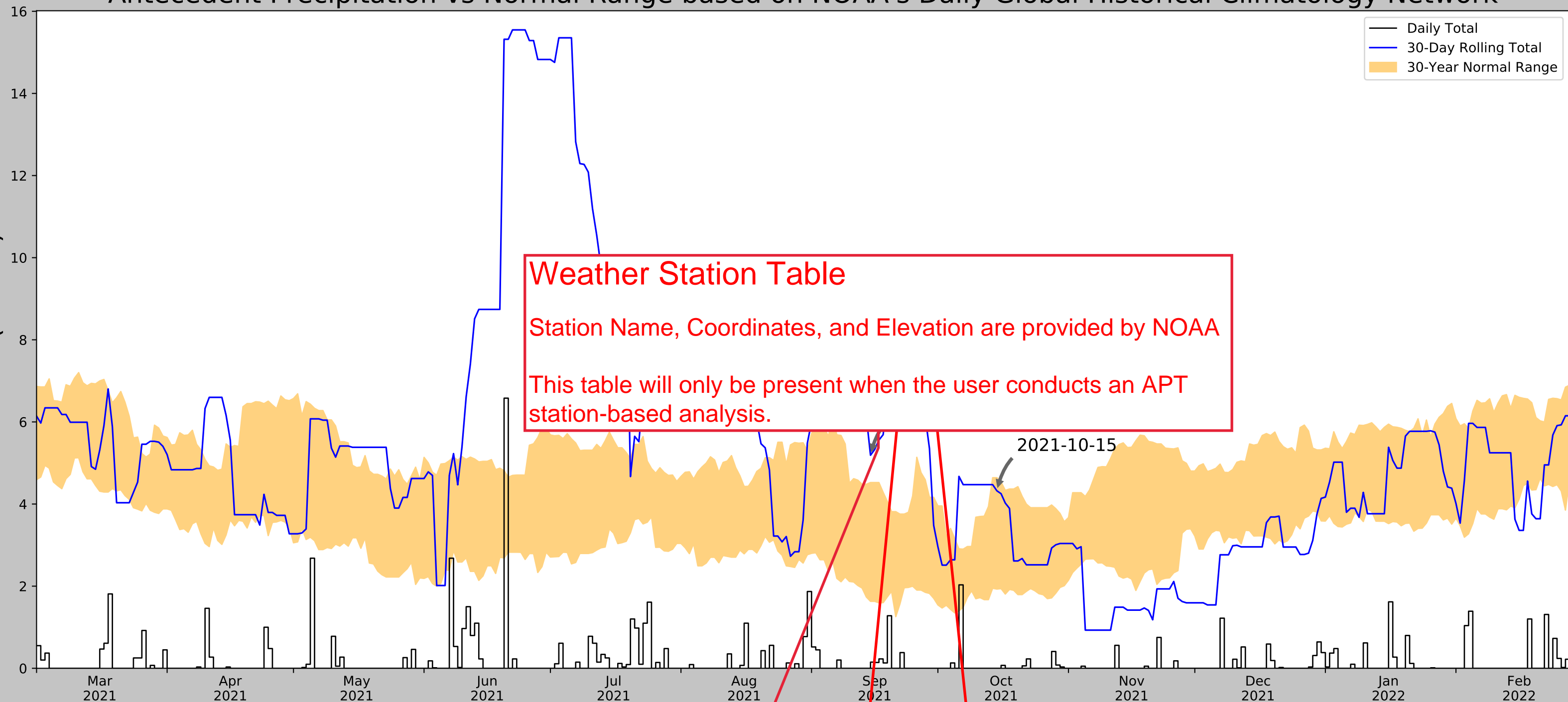
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
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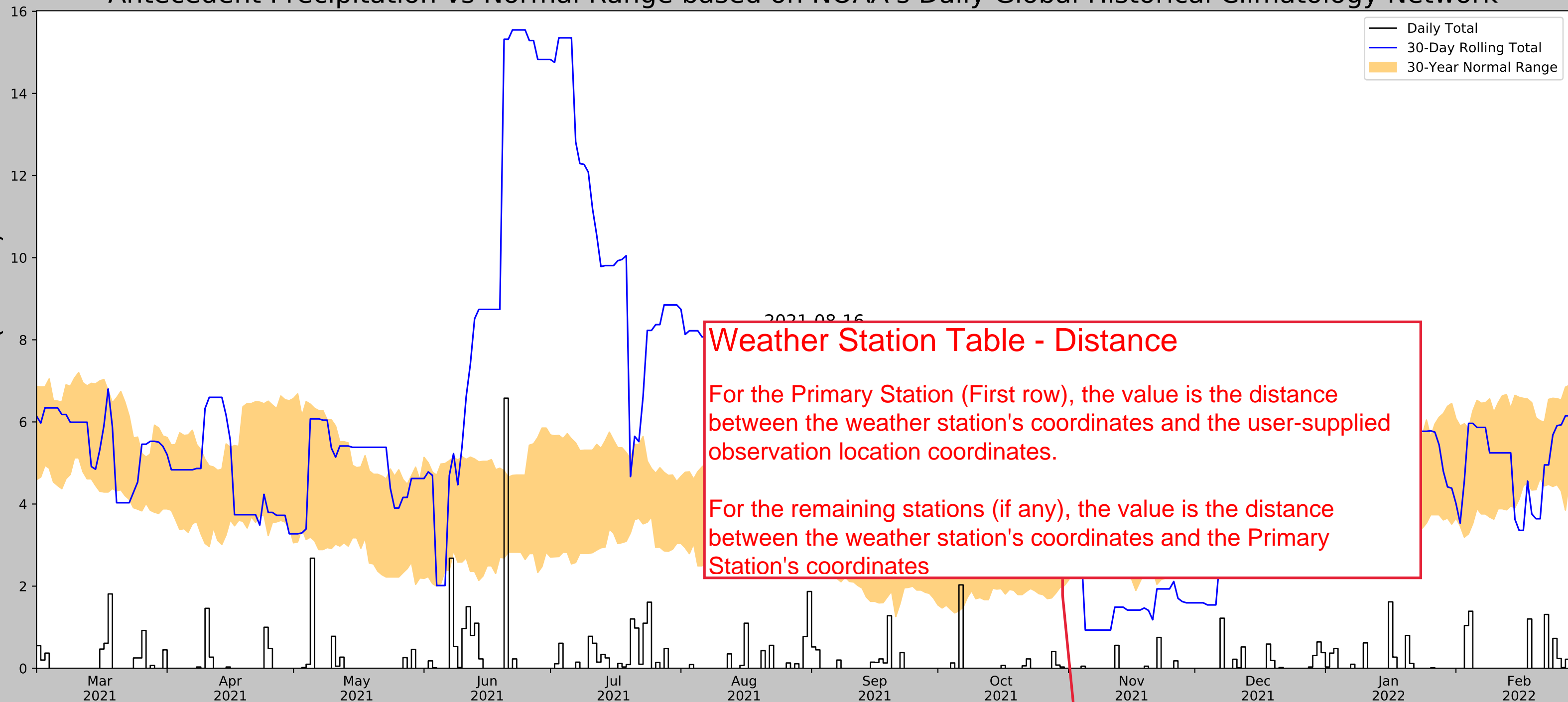


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Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	33.2098, -87.5692
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Result							Wetter than Normal - 15



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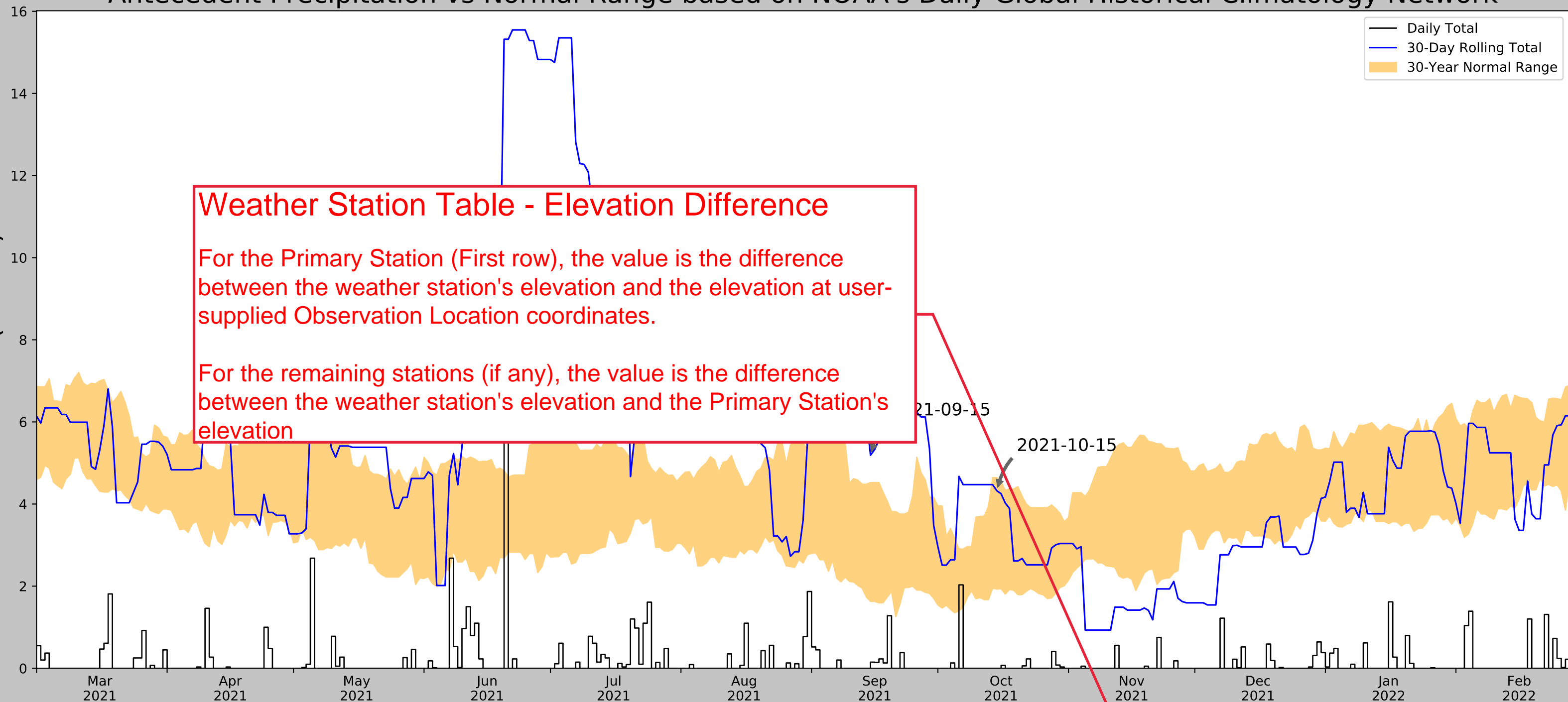


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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
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Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	33.2098, -87.5692
Observation Date	2021-10-15
Elevation (ft)	225.39
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Wet Season


30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-15	1.928347	4.642126	4.322835	Normal	2	3	6
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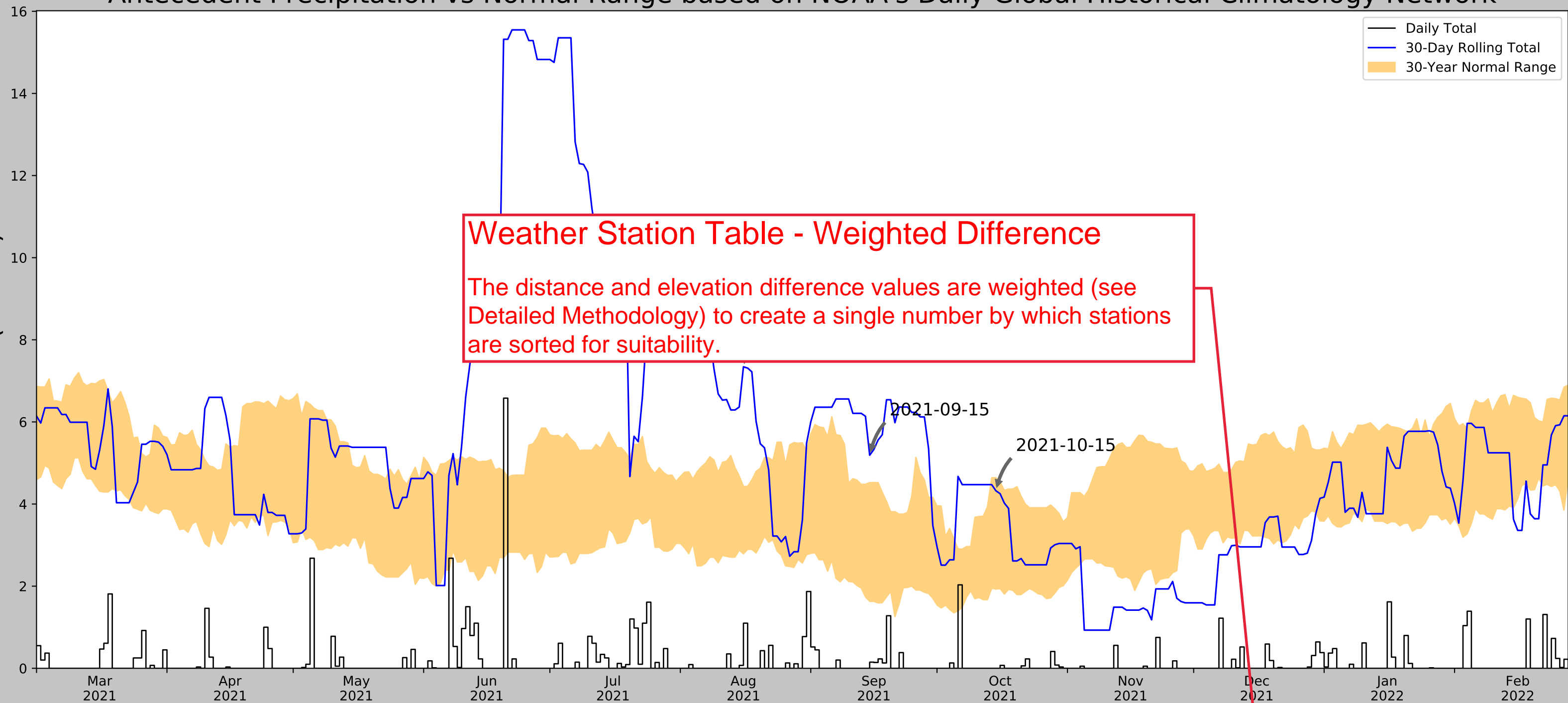


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Rainfall (Inches)



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WebWIMP H ₂ O Balance	Wet Season

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Result							Wetter than Normal - 15



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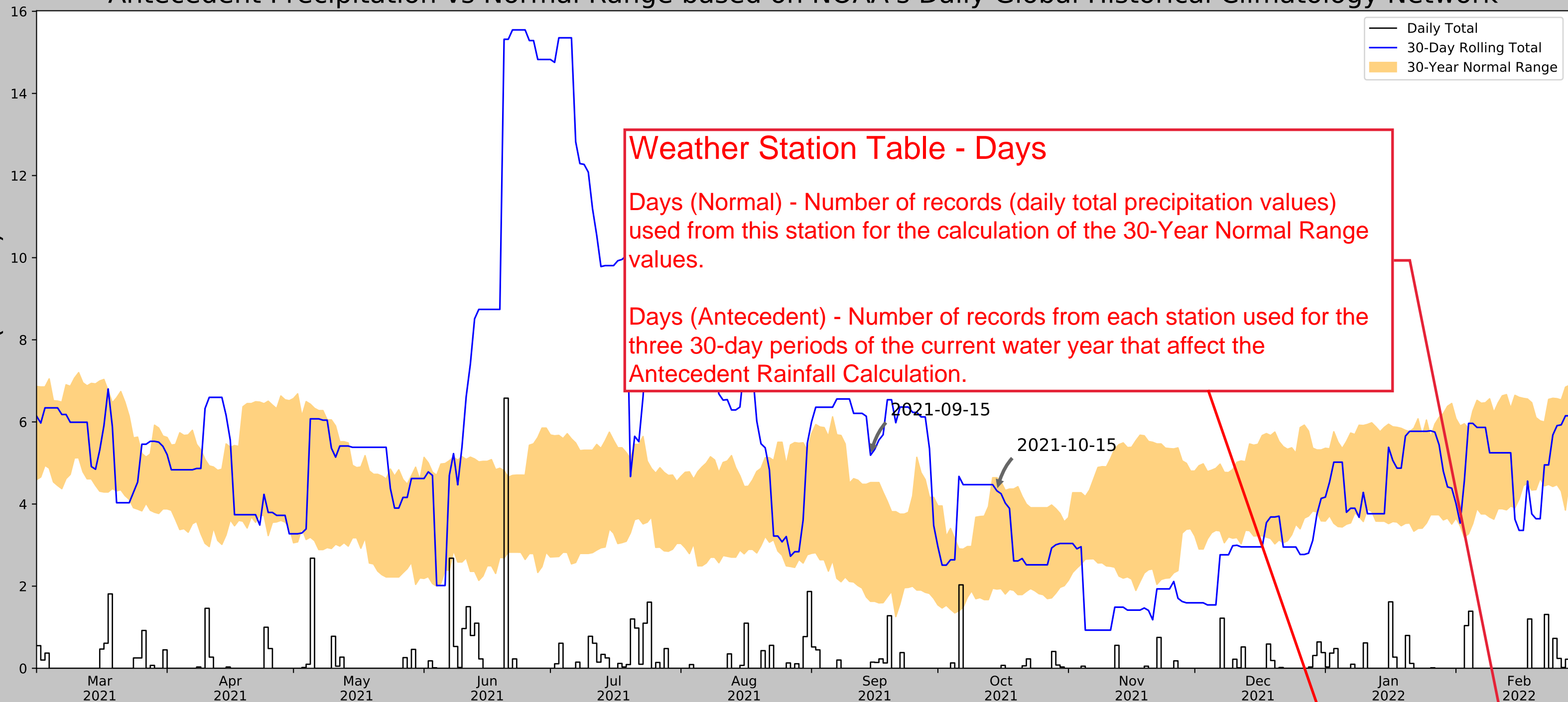
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Observation Date	2021-10-15
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WebWIMP H ₂ O Balance	Wet Season


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Result							Wetter than Normal -15



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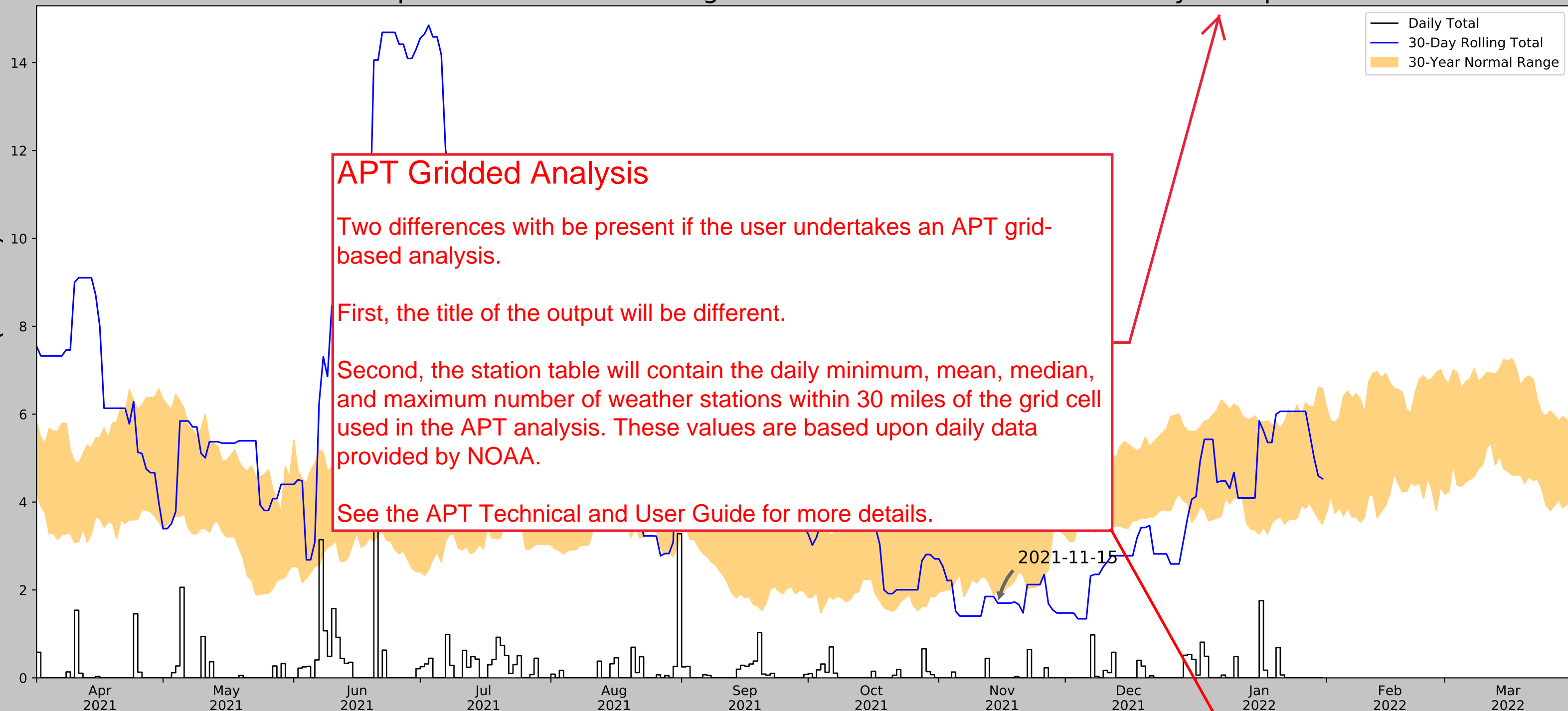


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Antecedent Precipitation vs Normal Range based on NOAA's nClimGrid-Daily Precipitation Data

Rainfall (Inches)




Coordinates	33.2098, -87.5692
Observation Date	2021-11-15
Elevation (ft)	225.39
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-11-15	1.988773	5.189992	1.700603	Dry	1	3	3
2021-10-16	2.24271	4.181441	3.732468	Normal	2	2	4
2021-09-16	1.820066	4.206539	6.339813	Wet	3	1	3
Result							Normal Conditions - 10



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	Station Count Summary
Minimum count of weather stations within 30 miles	2
Mean count of weather stations within 30 miles	6
Median count of weather stations within 30 miles	6
Maximum count of weathers stations within 30 miles	8