



Florida Division of Emergency Management State Watch Office

Morning Situation Report

Sunday, May 19, 2024



State Emergency Operations Center Activation Level

Level 2 Activation



SERT On-Call Personnel

Position	Personnel	Phone	Email
Operations Chief	Amy Godsey	(850) 519-8483	Amy.Godsey@em.myflorida.com
Watch Officer	Woody Harvey	(850) 591-7939	Woodham.Harvey@em.myflorida.com
Duty Officer	Ben Mauro	(850) 566-4904	Benjamin.Mauro@em.myflorida.com
Operations Officer- Day	Logan Qualk	(850) 815-4001	SWP@em.myflorida.com
Operations Officer- Swing	Zachary Remante	(850) 815-4001	SWP@em.myflorida.com
Operations Officer- Night	Cassi Farestvedt	(850) 815-4001	SWP@em.myflorida.com
Meteorologist	Kennedy Tartt	(850) 567-6368	Kennedy.Tartt@em.myflorida.com
Plans Chief	Kaylynn Perry	(850) 254-5657	Plans_Command@em.myflorida.com
Logistics Chief	Christina Goetzman	(850) 519-8581	Christina.Goetzman@em.myflorida.com
Human Services Director	Pam Hughes	(850) 528-5638	Pamela.Hughes@em.myflorida.com
Emergency Services	Rob Dietrich	(850) 727-3414	Robert.Dietrich@em.myflorida.com
Infrastructure Branch Director	Megan Hill	(850) 591-2496	Megan.Hill@em.myflorida.com
ESF 8 On-Call	Brandon Gore	(866) 786-4673	DLDOHDutyOfficers@flhealth.gov
Public Information Officer	Marnie Villanueva	(850)-591-9544	Marnie.Villanueva@em.myflorida.com
DEM Finance and Admin	Jeremy Smith	(561) 662-8028	Jeremy.Smith@em.myflorida.com



Response Regional Coordination Team

Team	County Location	Visits
Region 1: Jim Roberts	Out of Service	Leave (See Coverage)
Region 2: Willie Bouie	In Region	On-Call Status
Region 3: Glen Hammers	In Region	On-Call Status
Region 4: James Carter	In Region	On-Call Status
Region 5: Austin Beeghly	In Region	On-Call Status
Region 6: Paul Siddall	In Region	On-Call Status
Region 7: Cristian Rivera	In Region	On-Call Status
Region 8: Karen Kozac	Out of State (OK)	EMAC Deployment / Not Available
Region 9: Theresa Hendry	Out of Service	Leave (See Coverage)
Region 10: Claudia Baker	In Region	On-Call Status



Region 1 Coverage Provided by Recovery RC 1
 Region 8 Coverage Provided by Recovery RC 5
 Region 9 Coverage Provided by Recovery RC 9

RC Status
Normal Operations
Out of Service / Unavailable



Recovery Regional Coordination Team

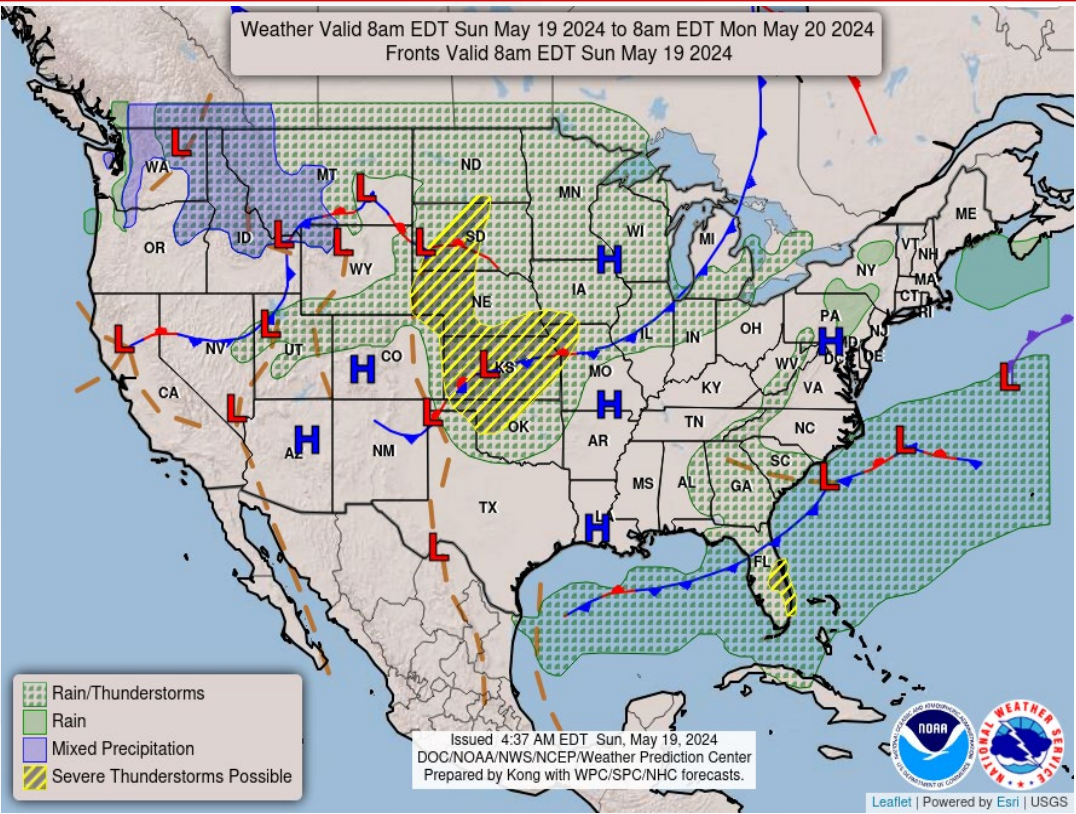
Team	County Location	Status / Activities
Region 1: Allison Blevins	In Region	Off & Monitoring
Region 2: Justin Lazzara	In Region	Off & Monitoring
Region 3: Patrick James	In Region	Off & Monitoring
Region 4: Joshua Saunders	In Region	Off & Monitoring
Region 5: Elizabeth Caison	In Region	On Call Coverage for Region 8
RRCT Manager	In Region	Off & Monitoring
Region 6: Jeremy O'Dell		
Region 7: Vacant	N/A	N/A
Region 8: Ja-Pheth Butler-Miller	In Region	Off & Monitoring
Region 9: Kathryn Thompson	In Region	On Call Coverage for Region 9
Region 10: Dana McGeehan	In Region	Off & Monitoring

Region 7 Coverage Provided by Recovery RC 6

RRC Status
Normal Operations
In Region / Delayed Response
Deployed / Delayed Response
Out of Service / Unavailable



Meteorology Summary



Today's Weather Map

Threat	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
Lightning		L	M	M	M	M	M	M	L	M
Tornado					L		L	L		L
Damaging Wind			L	L	L	L	L	L	L	L
Hail				L	M	L	M	M	L	M
Excessive Heat			L	L	L	L	L	L	L	M
Flash Flooding								L		L
Wildfire						L	L	L	L	
River Flooding	L	L	L							
Rip Currents	H	H	L	L	L	M		L	H	L
Lake Okeechobee Elevation:	13.56 ft. (0.31 ft. Above Normal)									
Keetch-Byram Drought Index:	310 (+6) on a scale from 0 (very moist) to 800 (very dry)									

Severe Weather Outlook: Sunday

Created by FDEM State Meteorological Support Unit || Data from SPC, US Census Bureau, Natural Earth

THUNDERSTORMS	MARGINAL (Level 1)	SLIGHT (Level 2)	ENHANCED (Level 3)	MODERATE (Level 4)	HIGH (Level 5)	
Thunderstorms	No severe storms expected. Lightning/flooding threats exist with all thunderstorms.	Isolated severe thunderstorms possible. Limited in duration and/or coverage and/or intensity.	Scattered severe storms possible. Short-lived and/or not widespread, isolated intense storms possible.	Numerous severe storms possible. More persistent and/or widespread, a few intense storms possible.	Widespread severe storms likely. Long-lived, widespread, and intense.	Widespread severe storms expected. Long-lived, very widespread, and particularly intense.

Maximum Feels Like Temperature: Sun.

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth

Heat Advisory – Southeast Florida & Keys



Meteorology Summary

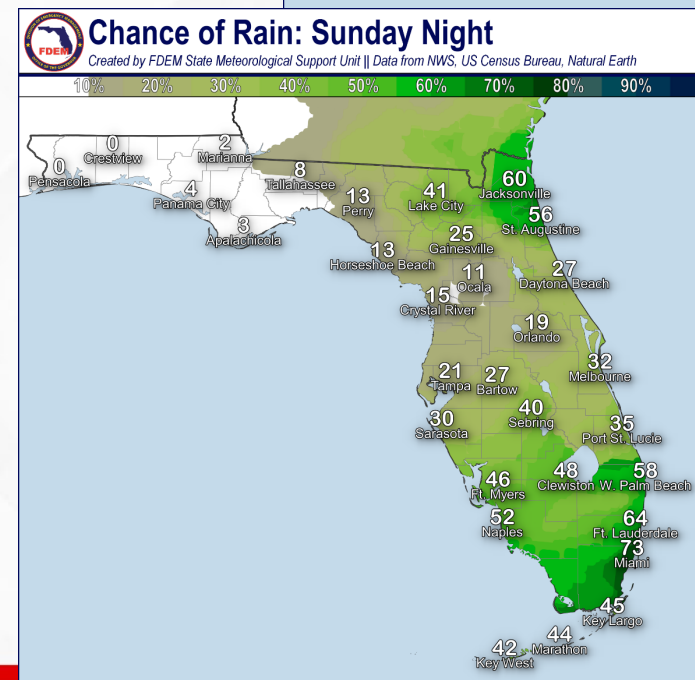
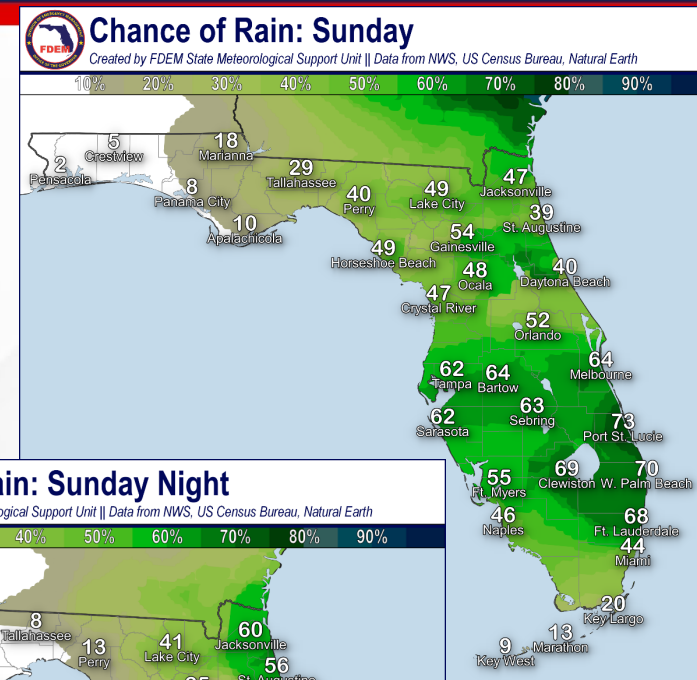
Statewide Overview, Next 24 Hours:

A relief from activity can be expected along the Panhandle today as a weak frontal boundary moves southward towards the I-4 corridor this morning and through the Peninsula throughout the day.

Lingering moisture may allow for isolated to widely scattered showers and possible thunderstorms across the I-10 corridor throughout the early to middle afternoon hours (15-30% chance of rain). Any **stronger thunderstorm activity** that develops may be capable of producing locally gusty winds (40-50 mph), small hail (dime size) and a brief downpour. Further south across the Peninsula, a more active weather pattern will develop this afternoon and continue throughout the evening hours. Scattered showers along the weak frontal boundary have developed this morning and will continue to push southward along and south of the I-4 corridor. With the help of daytime heating processes, as well as the frontal boundary, showers and thunderstorms will become more widespread during the afternoon and evening hours (50-75% chance of rain). The collision of the sea breeze boundaries along the East Coast and from Lake Okeechobee during the peak heating hours of the day will allow for scattered to numerous showers and thunderstorms developing along Treasure Coast and the I-95 corridor through Southeast Florida. The Storm Prediction Center (SPC) is outlooking a **Slight Risk (level 2 of 5) for Severe Weather** along Space and Treasure Coasts and inland to Seabring, with a **Marginal Risk (level 1 of 5)** extending from the I-75 corridor and throughout the Peninsula as isolated strong to severe thunderstorms will be possible. Any of these **strong to severe thunderstorms** that develop will be capable of producing frequent lightning, damaging wind gusts (45-60 mph), large hail (quarter to half dollar size), an isolated tornado or two and heavy downpours. *There is some uncertainty with these thunderstorms due to the increasing cloud cover through the late morning and into the early afternoon, and conditions will continue to be monitored.*

An upper-level feature moving overhead of Northeast Florida late this afternoon and throughout the evening hours may also allow for additional development of scattered showers and thunderstorms as they move towards the I-95 corridor and towards the Atlantic waters. Shower and thunderstorm activity will continue to linger through the evening hours and slowly begin to dissipate shortly after sunset along the Big Bend and Northeast Florida. Lingering showers and thunderstorms will continue south of the I-4 corridor as activity pushes eastward towards the coastline and the Atlantic waters, but there is a chance for re-development of showers and thunderstorms along the upper Keys and into the Southeast Metro overnight (60-75% chance of rain).

High temperatures will climb into the middle to upper 80s throughout North and Central Florida towards the I-4 corridor. Throughout South Florida and south of the I-4 corridor, high temperatures in the low 90s can be expected. Warm and humid conditions will make temperatures feel much warmer than they are during the early to middle afternoon hours throughout the Peninsula. **Heat index values**, or feels-like temperatures, will climb into the middle to upper 90s across the Suwannee Valley and Northeast Florida, and **triple digits (100-106)** throughout the Peninsula. **Heat Advisories** will go into effect mid-morning and continue through the late evening across the Southeast Florida and the Keys ahead of **increased humidity and warm temperatures**. Low temperatures overnight will fall into the middle to upper 60s across North Florida, low to middle 70s throughout Central Florida and upper 70s and near 80-degrees across South Florida and the Keys.



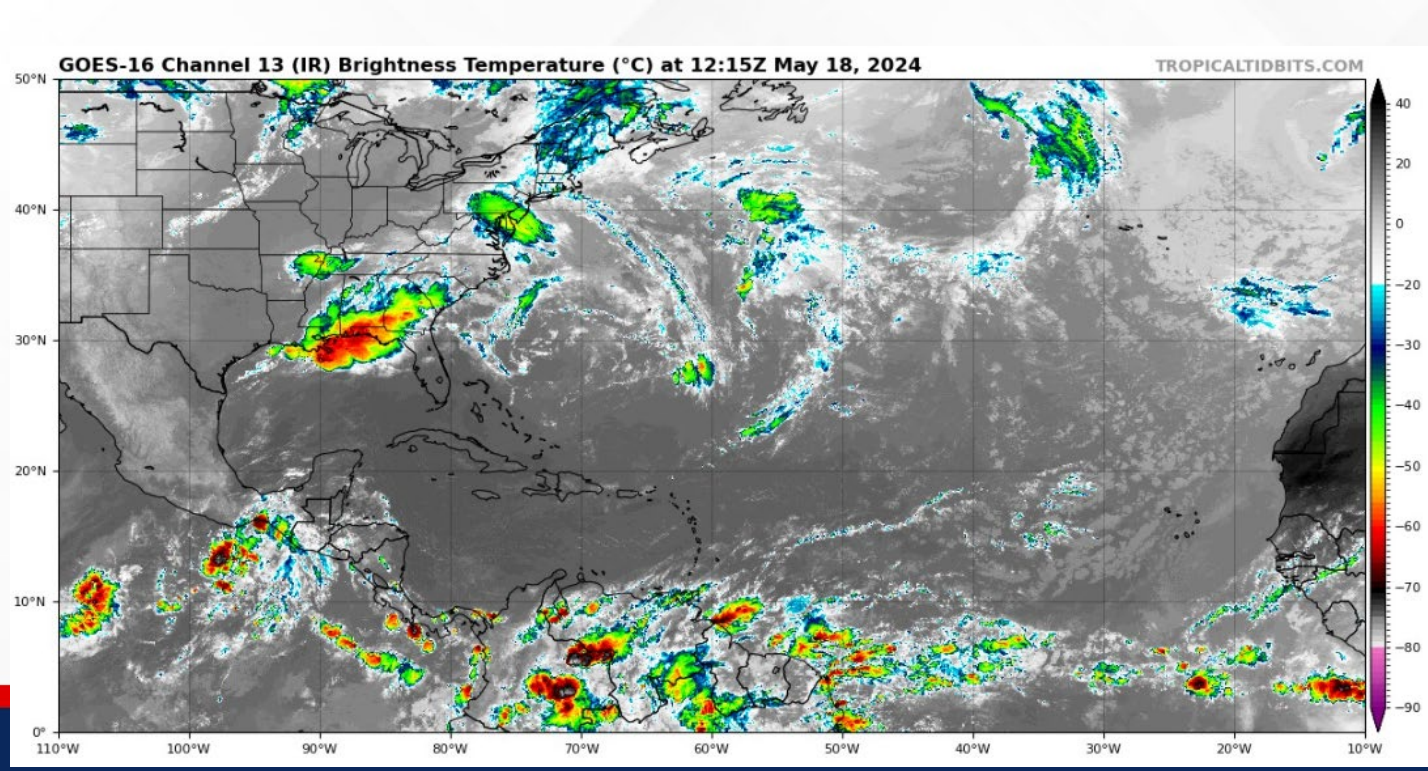
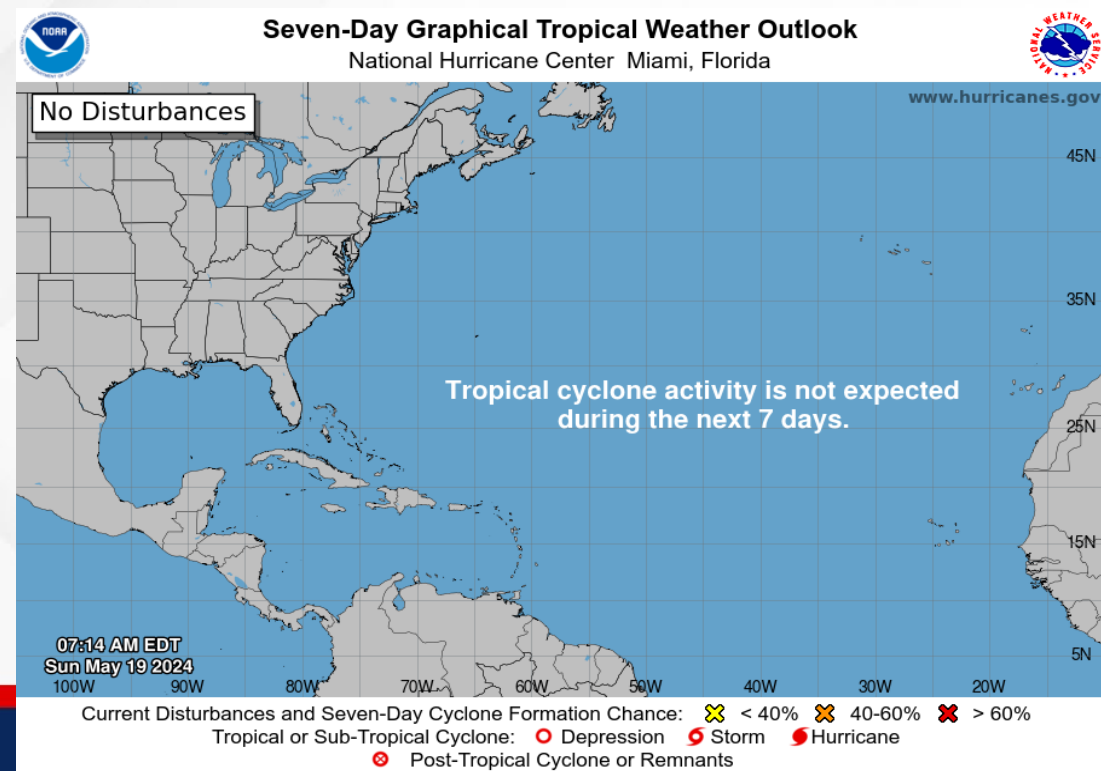


Tropical Weather

For the latest on the tropics, please visit the National Hurricane Center (NHC) at www.hurricanes.gov.

Tropical cyclone formation is **not expected** during the next 7 days in the Atlantic Basin.

The National Hurricane Center has begun issuing regular Tropical Weather Outlooks for the 2024 hurricane season as of May 15. These outlooks show areas of possible tropical cyclone development in the next 48 hours and next 7 days. Outlooks are issued every 6 hours at 8am, 2pm, 8pm, and 2am eastern time, or as conditions warrant. The Atlantic Hurricane Season officially begins June 1.





Coastal Hazards & Hydrology

Rip Currents: A **moderate to high risk for rip currents** can be expected along Panhandle and West Coast beaches today due to westerly winds and lingering ocean swells. A low risk for rip currents can be expected along the East Coast. For the latest Rip Current Outlook, visit www.weather.gov/beach.

Marine Hazards: A lingering ocean swell over the Gulf of Mexico will continue to create **wave heights** of 2-4' along Panhandle and West Coast beaches throughout the day. East Coast beaches will see wave heights slowly decline (1-3') throughout the day as an ocean swell over the southwestern Atlantic waters begins to weaken.

Red Tide has not been observed at or above background levels over the past week.

Coastal Flooding: There is no risk for coastal flooding today.

Flash Flooding: There is no organized risk for flash flooding today. Scattered to numerous showers and thunderstorms developing across the Peninsula today will lead to much needed rainfall. Abundant moisture, as well as daytime heating processes and the sea breeze collision, will give way to thunderstorms developing along Treasure Coast and the I-95 corridor this afternoon and evening. These thunderstorms will be capable of producing heavy and intense downpours at times, given the increase in moisture. Rainfall totals of 1-2" will be possible, but **locally higher totals** upwards of 3" cannot be ruled out along the Treasure Coast and into Southeast Florida this evening. Heavy downpours may lead to **localized instances of flash flooding** across urban and low-lying/poor drainage areas. Multiple showers and thunderstorms moving eastward, or training activity, could also increase the potential for **localized flash flooding** as the same areas receive multiple rounds of rainfall.

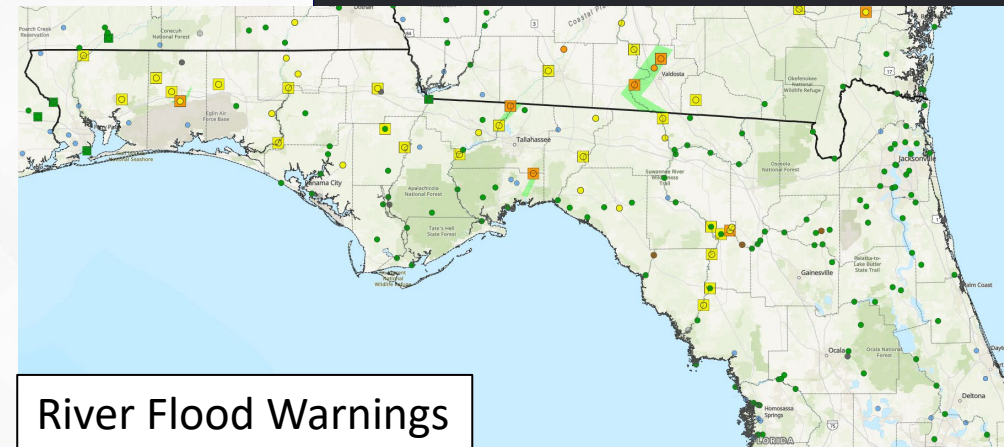
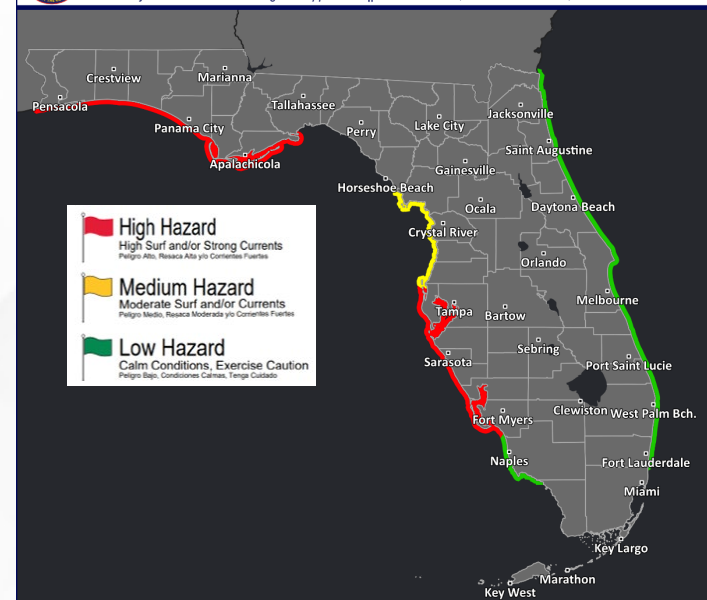
Riverine Flooding: **River Flood Warning** have been issued for the [Ochlocknee River near Concord \(CR-12\)](#), [Shoal River near Crestview](#), and [St. Marks River near Newport on Old Magnolia Rd](#) as **minor flooding** is occurring or forecast this weekend and into next week. Multiple rounds of activity over the last several days have led to water levels rising within the Panhandle, Big Bend and Suwannee River Valley. The [Santa Fe River at Three Rivers Estates](#) is forecast to rise into **minor flood stage** later this afternoon. Several other rivers, creeks and waterways remain within Action Stage (bank-full) as runoff from rainfall continues to deposit into the basins. Drier conditions today will help for water levels along the region to level out and slow down. There are no additional riverine concerns at this time. For more details, please visit the [River Forecast Center](#).

Lake Okeechobee's average elevation is 13.56 feet, which is within the operational band and 0.31 feet **above** normal for this time of year.



Rip Current Risk: Sunday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



River Flood Warnings



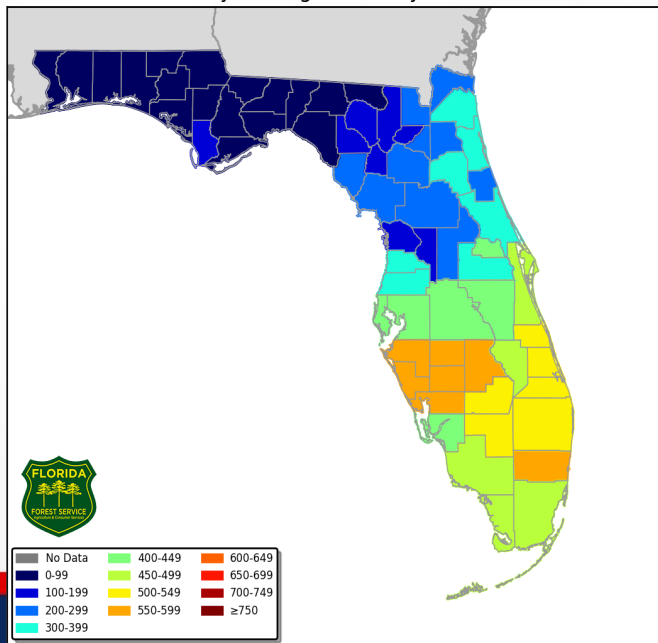
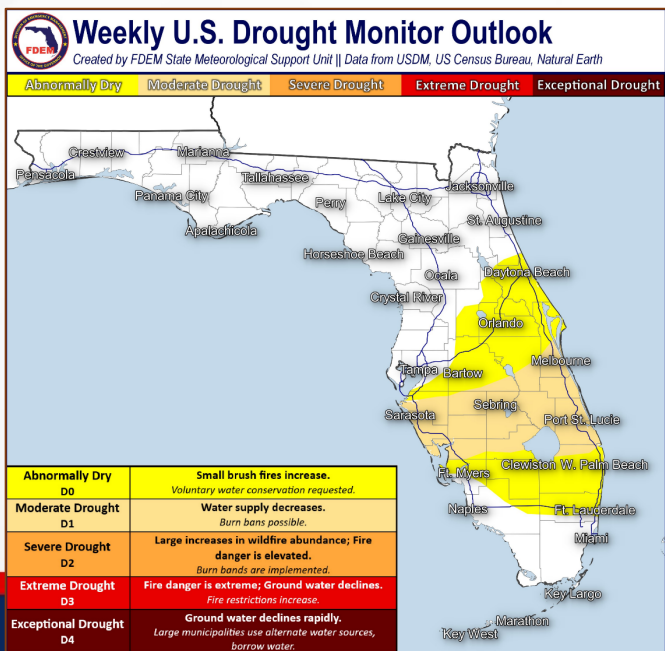
Drought & Fire Weather

Fire Weather: An active weather pattern can be expected to develop across the Peninsula throughout the day and into the evening. Scattered to numerous showers and thunderstorms will be possible as a weak frontal boundary moves into the Peninsula. Later in the afternoon, the sea breeze will move inland and combined with the sea breeze over Lake Okeechobee allowing for additional scattered to numerous thunderstorms along the Treasure Coast. *Thunderstorms will be capable of producing erratic winds and frequent lightning at times.* Relative humidity values will remain above critical thresholds; however, an increased potential for lightning and gusty winds over emerging and moderate drought areas will continue to create **sensitive wildfire conditions**. Across North Florida, drier conditions compared to the last few days will return with a chance for isolated showers and thunderstorms. Recent rainfall over the area will keep grounds saturated and keep the overall wildfire risk low. According to the [Florida Forest Service](#), there are 40 active wildfires across the state burning approximately 2063 acres.

Drought: While heavy rainfall was observed across portions of the state over the past week, Central and South Florida continues to see very limited rainfall and above normal temperatures (2-4-degrees above normal), leading to additional expansions in drought conditions on this week's update as fire danger is high, and dryness continues to compound. **Moderate Drought** conditions now span from the West Coast to the East Coast from a line north of Fort Myers to north of West Palm Beach and northward to a line from Sarasota to Melbourne. Abnormally dry (*emerging drought*) conditions have expanded further along the I-4 corridor and south of Lake Okeechobee to Fort Lauderdale. Continued above normal temperatures and below normal precipitation over the next 6-10 days will likely continue to exacerbate drought conditions.

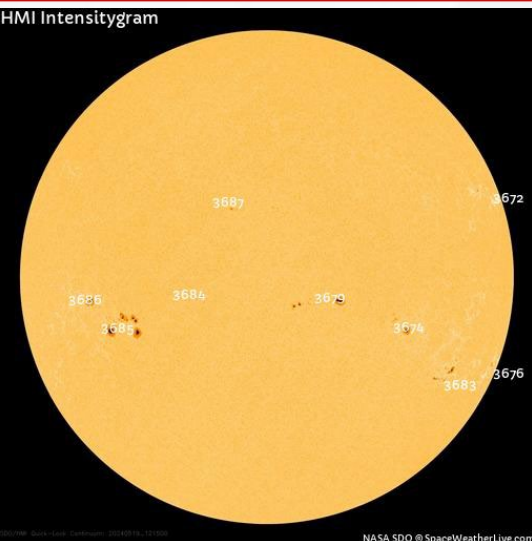
The Keetch-Byram Drought Index average for Florida is **304 (-5)** on a scale from 0 (very wet) to 800 (very dry). There are **12** Florida counties (Broward, Charlotte, DeSoto, Glades, Hardee, Hendry, Highlands, Indian River, Manatee, Martin, Palm Beach, Sarasota and St. Lucie) with an average KBDI over 500 (drought/increased fire danger).

Keetch Byram Drought Index (KBDI)
County Averages for May 18, 2024

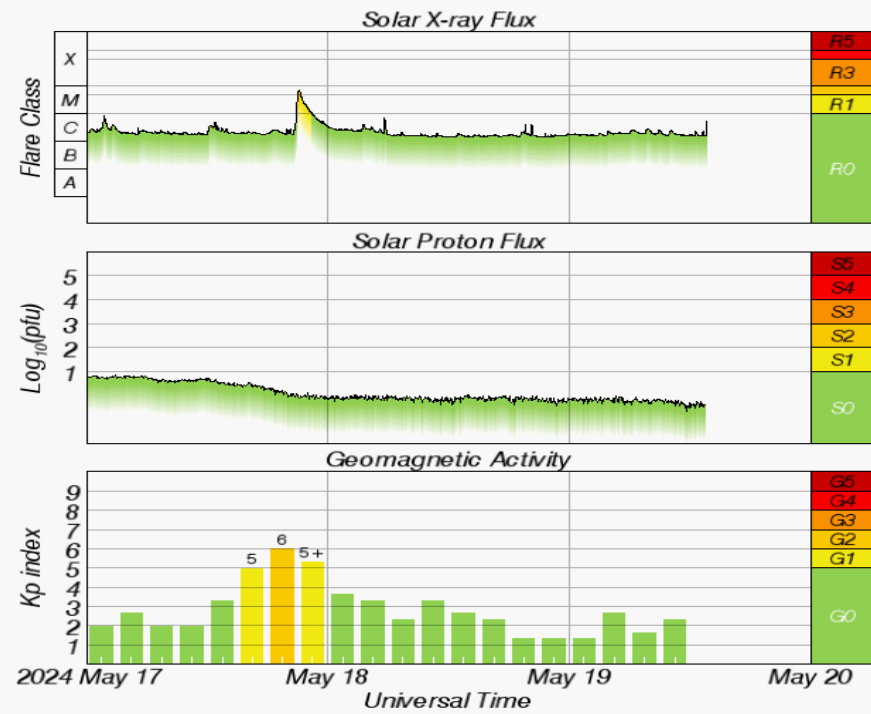




Space Weather

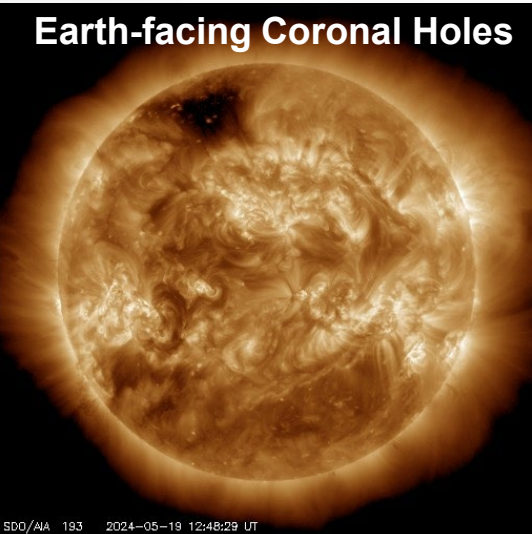


Current Sunspots



Solar Flare Risk	Active Watches & Warnings	Past 24 hours
M-class: 55%	Geomagnetic Storm: None	C4 Solar Flare
X-class: 25%	Radiation Storm: None	R2 Radio Blackout

48-Hour Geomagnetic Forecast	
5/19	5/20
Max Kp= 4 (G0)	Max Kp= 5 (G1)
Chance of minor activity = 15% severe activity = 1%	Chance of minor activity = 25% severe activity = 5%



Space Weather: Solar activity is expected to be at low levels with possible strong (M-class) solar flares and a slight chance for significant (X-class) solar flares due to active sunspot #3685. This active sunspot continues to pose a threat for Earth-directed solar flares, and has a history of producing X-class solar flares. Minor to moderate (R1-R2) radio blackouts can be expected with any M-class solar flares and strong (R3) radio blackouts are possible with any X-class flares. A pair of Coronal Mass Ejections (CMEs) from May 16-17 will pass near or provide a glancing blow to Earth's geomagnetic field. Solar wind conditions will start to become enhanced throughout the day ahead of the potential CME influences as they pass near Earth or make direct contact. Quiet to unsettled levels are expected through the early part of today throughout the Earth's geomagnetic field before conditions become more active later in the day. There is a slight chance for isolated instances of minor (G1) geomagnetic storms as the first CME possibly grazes the Earth. The overall space threat to Florida remains very low.



SWO Communications Systems & Contact Information

Equipment	Contact	Status	Comments
Phone:	800-320-0519, 850-815-4001, 850-591-0071 (Backup Cell)	Operational	
Backup Landline:	850-487-3234, 850-487-3228	Operational	
Fax:	850-815-4979	Operational	
Email:	SWP@em.myflorida.com	Operational	
SWO Tracker:	https://apps.floridadisaster.org/SWO/	Operational	
SLERS:	DEM Statewide	Operational	
FNARS:	WGY974	Operational	
Federal NAWAS:	State Watch Office	Operational	
EMnet Message:	FL.000- State Watch Office	Operational	
EMnet Voice:	FL SWP- State Watch Office	Operational	
IPAWS:	LP.1 Stations via Emnet	Operational	
FIN:	SOFEOC	Operational	
Satellite Phones:	888-890-5178 or 480-263-8838	Operational	
Website:	http://www.floridadisaster.org	Operational	

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