Friday, September 13, 2024				5-Day	Statewide V	Veather Outlook	(
No Threat				1oderate T	hreat High Th		reat	
Day	Lightning	Tornado	Damaging	Flash	Excessive	Riverine	Coastal	Rip
	Locally		Wind/Hail	Flooding Apalachicola	Heat	Flooding Northeast FL	Flooding Northeast FL	Currents
Fri	Statewide <mark>Keys</mark>	lso. FL Panhandle	FL Panhandle Iso. Statewide	North FL Iso. Peninsula	S FL & Keys Central FL	N & W-Cntrl Peninsula	lso. FL Panhandle	Panhandle Statewide
Sat	Locally Statewide <mark>Panhandle</mark>		<mark>Locally</mark> Iso. Statewide	<mark>Locally</mark> Iso. Statewide	Keys & Locally Central & S FL	Northeast FL N & W-Cntrl Peninsula	<mark>Locally</mark> Iso. NE FL & Panhandle	Locally Statewide <mark>West Coast</mark>
Sun	Locally Statewide		<mark>Locally</mark> Iso. Statewide	<mark>Locally</mark> Iso. Statewide	Keys & Locally Central & S FL	Northeast FL N & W-Cntrl Peninsula	NE & S FL Iso. Forgotten & Nature Coast	E-Coast Panhandle <mark>West Coast</mark>
Mon	N FL & Locally S & Central FL		<mark>Locally</mark> Iso. Statewide	<mark>Locally</mark> Iso. Statewide	Keys & Locally Peninsula	Northeast FL N & W-Cntrl Peninsula	NE Coast S FL, Forgotten & Nature Coast	E-Coast Panhandle West Coast
Tue	Statewide		<mark>Locally</mark> Iso. Statewide	Coastal FL Panhandle Iso. Statewide	Keys & Locally Peninsula	Northeast FL N & W-Cntrl Peninsula	NE Coast S FL, Forgotten & Nature Coast	Locally Statewide West Coast
()	Chance of Rain: Satu	urday	Cha	nce of Rain: Sunda	У	Chance of	of Rain: Monday	
17 Lesses of the second					51 Augustan 0 40 0 40 0 40 0 40 0 40 0 40 0 40 0 40 10 700 St lands 50 10 700 St lands 10 700 St lands 10 80 10 80			
	Chance of Rain: Saturday, Sunday, Monday					•		
Image: Control of the control of th					Palm Bay 2.2° Part Saint Lucie 2.3° West Palm Beach 1.9°			
	<u>NHC</u> 7-Day	Tropical Wea	ther Outlook: F	<u>Friday</u>	<u>5 Day Ra</u>	unfall Totals:	Through Tuesday	Evening

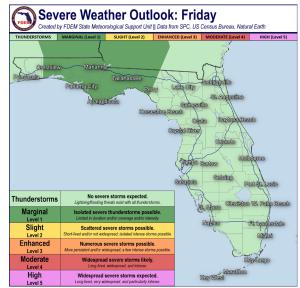




...Bands Of Showers and Thunderstorms Producing Heavy Rainfall Continue to Move Across North Florida Today...Marginal Risk for Severe Weather Along Florida Panhandle; Frequent Lightning, Gusty Winds (40-60 MPH), A Brief Tornado or Two, and Heavy to Torrential Downpours Possible...Heavy Downpours May Give Way to Instances of Flooding Along Urban Corridors and Over Saturated Grounds; Slight Risk for Flash Flooding Across Apalachicola With Marginal Risk Across North Florida; Flood Watch In Effect Along Northeast Florida...Scattered to Numerous Showers and Thunderstorms to Persist Across the State Over the Next 5 Day...Locally Strong to Severe Thunderstorms Cannot Be Ruled Out statewide...Instances of Flooding Possible With Heavy Downpours Along Urban Areas and Over Saturated Grounds...Heat Advisories In Effect Across South Florida and Keys Today; Additional Heat Advisories Will Likely Be Issued Over the Next Few Days...Coastal Flood Advisories In Effect Along the St. Johns River Basin...Minor to Moderate Coastal Flooding Possible Along Northeast Coast and St. Johns River Basin Late This Weekend and Early Next Week In Response to King Tides; Minor Coastal Flooding Cannot Be Ruled Out Along Florida Atlantic Coast and Forgotten and Nature Coasts...Moderate to High Risk For Rip Currents Along Florida Panhandle and East Coast...Numerous River Flood Warnings In Effect Along Northern and West-Central Peninsula for Minor to Moderate Flooding...Non-Tropical Area of Low Pressure Could Form Off The Southeast U.S. Coast This Weekend (40%); Increased Rain Chances, Breezy Winds, Elevated Surf, and Elevated Rip Current Risk Cannot Be Ruled Out...

Friday-Sunday:

The flow around the remnant of Francine off to the northeast will continue to allow for an abundantly moist tropical airmass across North Florida today. Bands of showers and thunderstorms will rotate northward from the Gulf through the Florida Panhandle around the system while a stalled frontal boundary draped across the state serves as an additional focus for shower and thunderstorm activity this afternoon and evening across North Florida (60-90% chance of rain). The Storm Prediction Center (SPC) is outlooking a Marginal Risk (level 1 of 5) for Severe Weather along the Florida Panhandle today as strong to severe thunderstorms producing frequent lightning, damaging wind gusts (40-60 mph), and heavy downpours will be possible. A brief waterspout or tornado cannot be ruled out this morning with a brief tornado or two still possible during the day as well. The Weather Prediction Center (WPC) is outlooking



a Slight Risk (level 2 of 4) for Flash Flooding across Apalachicola today with a Marginal Risk (level 1 of 4) for Flash Flooding across North Florida. The bands of rain moving through the Florida Panhandle could train or repeatedly move over the same locations, giving way to instances of flooding. A Flood Watch continues across portions of Northeast Florida through this evening where recent heavy rainfall has left grounds and soils saturated, and additional rainfall could create localized flooding.

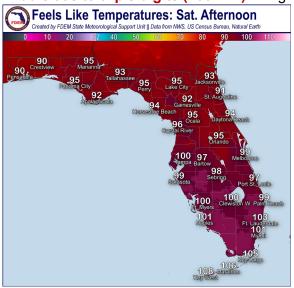
The frontal boundary and abundant moisture across the state will interact with the afternoon sea breezes to produce scattered to numerous showers and thunderstorms across the rest of the state this afternoon and evening (45-65% chance of rain). **Isolated strong to severe thunderstorms** capable of producing frequent lightning, gusty winds (35-55 mph), and heavy to torrential downpours may be possible during peak heating hours of the day. Despite no organized risk through the Peninsula, instances of **flooding** cannot be ruled out with locally heavy rainfall within slow-moving or training activity along urban and low-lying/poor drainage areas and over saturated grounds.





Through the weekend, slightly drier air will begin to move into portions of North Florida while the frontal boundary remains draped over the state. Scattered to numerous showers and thunderstorms can generally be expected statewide each day with the sea breezes through the afternoons and evenings (45-75% chance of rain). **Isolated strong to severe thunderstorms** producing frequent lightning, gusty winds (35-55 mph), and heavy downpours and **instances of localized flooding** along urban and low-lying/poor drainage areas and over saturated grounds cannot be ruled out statewide, even outside of the organized risk area, over the next 3 days.

High temperatures will remain in the middle to upper 80s across North Florida over the next 3 days while the rest of the state rises into the upper 80s to middle 90s. **Heat indices** will reach the **middle 90s to triple digits (100-112)** along the Peninsula and Keys each afternoon. **Heat Advisories**

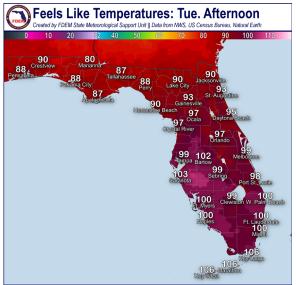


Monday – Tuesday:

have been issued across South Florida and the Keys as heat indices are forecast to rise to near 107-112degrees late this afternoon. Additional Heat Advisories will likely be needed this weekend for portions of the Peninsula and Keys.

Shower and thunderstorm activity will linger into the evening and early overnight hours tonight and through the weekend before gradually dissipating across the state (10-35% chance of rain). A few showers may linger through the overnight hours along coastlines and portions of North Florida (35-50% chance of rain). Low temperatures will fall into the upper 60s to middle 70s across North Florida over the next 3 days. Central and South Florida will remain in the middle 70s to low 80s with low to middle 80s along the Keys. Areas of **patchy to locally dense fog** may be possible across the state overnight and into the following morning hours each day.

There is uncertainty surrounding the forecast going into next week with several features influencing the weather pattern. A stalled frontal boundary will linger over the state through the next 5 days with a strong area of high pressure holding over the Northeast U.S. and extending southward along the Eastern Seaboard. An area of low pressure is forecast to develop along the frontal boundary off the coast of the Southeastern U.S. this weekend, shifting onshore early next week. This setup will



allow a wet and rainy weather pattern to persist statewide through mid-next week. Scattered to numerous showers and thunderstorms will likely develop across North Florida Monday (50-70% chance of rain) while drier air filtering into the rest of the state allows for only isolated to scattered shower and thunderstorm activity with the sea breezes (25-45% chance of rain). Slightly drier air will likely filter further northward through the state Tuesday; however, isolated to scattered showers and thunderstorms are anticipated to continue across the state through the afternoon and evening with the sea breezes (40-60% chance of rain). Locally strong to severe thunderstorms producing frequent lightning, gusty winds, and heavy downpours cannot be ruled out. Heavy downpours may give way to instances of flooding at times, especially along urban and lowlying/poor drainage areas and over already saturated





grounds. The Weather Prediction Center (WPC) is outlooking a Marginal Risk (level 1 of 4) for Flash Flooding along coastal portions of the Florida Panhandle Tuesday.

High temperatures in the 80s can continue to be expected across North Florida Monday and Tuesday with upper 80s to low 90s across the rest of the state. Heat indices will rise into the upper 90s and triple digits (100-110) along the Peninsula and Keys, and Heat Advisories may be needed for portions of these areas both days.

Shower and thunderstorm activity will linger into the evening and early overnight hours before gradually dissipating across the state (10-35% chance of rain). A few showers may linger through the overnight hours along coastlines (35-45% chance of rain). Low temperatures will fall into the upper 60s to middle 70s across North Florida each night but remain in the middle to upper 70s across Central and South Florida and low to middle 80s along the Keys.

Tropical Weather:

Tropical Storm Gordon: As of 11:00 AM EDT, Tropical Storm Gordon is located about 990 miles westnorthwest of the Cabo Verde Islands, moving west-northwestward at 12 mph. The storm is expected to move more to the west this weekend and Monday. Maximum sustained winds are near 40 mph, and slight strengthening is expected today before a weakening trend begins on Saturday. *This system poses no direct threat to Florida through the next 7-10 days at least.*

Offshore the Southeastern U.S.: A non-tropical area of low pressure could form along a frontal boundary a few hundred miles off the southeast U.S. coastline this weekend. Thereafter, the low may develop some subtropical or tropical characteristics, and a subtropical or tropical depression could form early next week while the system moves generally northwestward towards the coast. Additional information on this system can be found in products issued by your local National Weather Service Forecast Office and High Seas Forecasts issued by the National Weather Service. *This system poses no direct threat to Florida at this time but will continue to be monitored. Regardless of development, increased rain chances, breezy winds, elevated surf, and elevated risk for rip currents cannot be ruled out along portions of the state next week. The National Hurricane Center (NHC) is outlooking a low (10%) chance of development over the next 48 hours and a medium (40%) chance of development over the next 7 days.*

Northern Leeward Islands (Invest 94L): An area of low pressure near the Northern Leeward Islands is producing limited shower and thunderstorm activity. Environmental conditions, including the proximity of dry air, do not favor development of this system and development is no longer expected while it moves west-northwestward at about 15 mph. *This system poses no threat to Florida, at this time.* The National Hurricane Center (NHC) is outlooking a low (near 0%) chance of development over the next 48 hours and 7 days.

Post-Tropical Cyclone Francine: As of 11:00 AM EDT, Post-Tropical Cyclone Francine is located about 80 miles north-northeast of Little Rock, Arkansas and is moving southeastward at 3 mph. An erratic but slow southeast motion is expected to continue today. Maximum sustained winds are near 15 mph and Francine is likely to lose a well-defined center of circulation and dissipate sometime later today. *Francine poses no direct threat to Florida, but elevated rain chances, increased risk for severe weather, lingering ocean swells and isolated coastal flooding, an elevated risk for rip currents, and breezy winds will continue today in its wake.*

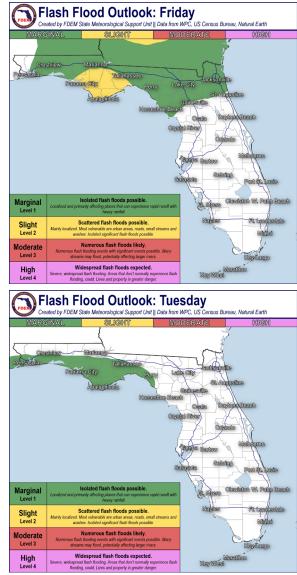
For the latest on the tropics, please visit the National Hurricane Center website.

Hydrology & Flooding:





The Weather Prediction Center (WPC) is outlooking a Slight Risk (level 2 of 4) for Flash Flooding across Apalachicola today with a Marginal Risk (level 1 of 4) for Flash Flooding across North Florida. Bands of showers and thunderstorms will rotate northward from the Gulf through the Florida Panhandle around the remnants of Francine this morning and this afternoon while a stalled frontal boundary draped across the state serves as an additional focus for shower and thunderstorm activity this afternoon and evening across North Florida. These bands could train or repeatedly move over the same locations, giving way to instances of flooding. Across the rest of the state scattered to numerous showers and thunderstorms will develop with the sea breezes this afternoon and evening, amplified by the lingering frontal boundary and abundant moisture. Any slow-moving or training downpours along urban or low-lying/poor drainage areas statewide will see an increased risk of **flooding** throughout the day. Many areas along the Florida Panhandle and portions of the Peninsula remain saturated from recent heavy rainfall and daily thunderstorm activity, and additional heavy downpours could exacerbate any potential flooding for those areas. A Flood Watch continues across portions of Northeast Florida where recent heavy rainfall has left grounds and soils saturated, and additional rainfall could create localized flooding. A stalled frontal boundary will linger over the state through the next 5 days with a strong area of high pressure holding over the Northeast U.S. and extending southward along the Eastern Seaboard. An area of low pressure is forecast to develop along the frontal boundary off the coast of the Southeastern U.S. this weekend, shifting onshore early next week. This setup will allow a wet and rainy weather

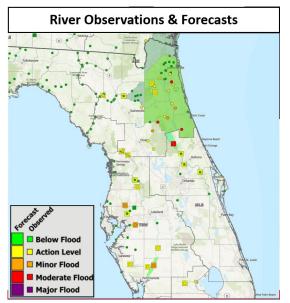


pattern to persist statewide through mid-next week. There is no organized risk for flash flooding across Florida Saturday through Monday at this time; however, WPC is outlooking a **Marginal Risk for Flash Flooding** along portions of the Florida-Georgia state line this weekend, and southward extensions of this risk area cannot be ruled out. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** along coastal portions of the Florida Panhandle Tuesday. Saturated grounds across portions of North and West-Central Florida, instances of **flooding** may be possible with any additional heavy rainfall over these areas. Urban and low-lying/poor drainage areas may also be vulnerable to instances of **flooding** in the event of heavy rainfall within training or slow-moving shower and thunderstorm activity. Widespread rainfall totals near 1-3" can be expected over the next 5 days with **locally higher rainfall totals upwards of 3-5**" possible. For the latest Excessive Rainfall Outlook, please visit the <u>Weather Prediction Center</u>.

Numerous **River Flood Warnings** remain in effect across the Northern and West-Central Peninsula. <u>Minor riverine flooding</u> continues for <u>Cypress Creek at SR 54 Worthington Gardens</u>, <u>Peace River at Arcadia</u>, and <u>Alafia River at Lithia Pinecrest Road at Lithia</u> following recent heavy rainfall over the last several days throughout the Peninsula. The <u>St. Johns River at Astor</u> is currently in **moderate flood stage** is forecast to hold relatively steady within **moderate flood stage** into next week due to trapped elevated water levels from elevated surf and breezy onshore winds along the







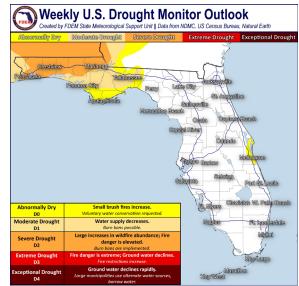
Northeast Coast, Numerous other rivers, creeks, and waterways across Northeast Florida have also risen into minor to moderate flood stage including downstream portions of the St. Johns River, Ocklawaha River at Rodman Dam and at Eureka, Deep Creek at Spuds, Julington Creek at Old Saint Augustine, Haw Creek above Russell Landing, and others. Widespread minor riverine flooding is not anticipated along the Florida Panhandle with heavy rainfall observed over the past few days from Francine; however, water level rises can be expected, and instances of minor flooding cannot be ruled out as recent heavy rainfall filters through the basins and additional rainfall is observed. Any additional heavy rainfall over these waterways discussed above could further worsen conditions or prolong potential riverine flooding. For more details, please visit the River Forecast Center.

Lake Okeechobee's average elevation is 14.78',

which is within the operational band and 0.29' <u>above</u> normal. Lake elevations have risen about 0.35' over the past week and 0.82' over the past 30 days. Water levels will likely continue to rise over the next week in response to locally heavy rainfall observed over the past week.

Drought & Fire Weather:

Little changes have been made to this week's Drought Monitor update (9/12) despite heavy rainfall received thus far from Tropical Depression Francine and below normal temperatures along the Florida Panhandle observed over the past week. Much of Florida continues to see below-normal precipitation. Severe Drought have expanded slightly and are now in place across much of the Panhandle with Moderate Drought extending into portions of the Big Bend. 30-day rainfall defecits are now near 2-4" along the Florida Panhandle: however. localized areas over the last 60-days have seen rainfall defecits upwards of 3-6" along the Panhandle. Abnormally Dry (emerging drought) stretch across Apalachicola. Limited rainfall along the Florida East Coast has allowed for slight improvements in drought conditions across the region this week; however, Abnormally Dry conditions persist along the I-95 corridor



through Brevard County. 90-day rainfall defecits remain upwards of 3-6" along the Central-East Coastline. Not all rainfall that has been received this past week is accounted into this week's update, and improvements will likely be noted across portions of the Florida Panahndle on next week's update. Near to above normal temperatures and rainfall are expected over the next week.

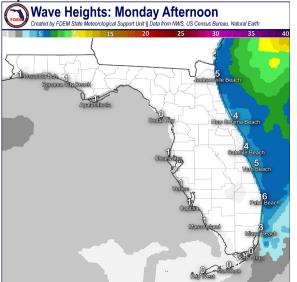
<u>The Keetch-Byram Drought Index</u> average for Florida is **103 (-17)** on a scale from 0 (very wet) to 800 (very dry). There are <u>no</u> Florida Counties with an average KBDI over 500 (drought/increased fire danger).

The overall wildfire threat across the state remains low. Scattered to numerous showers and thunderstorms will persist with the sea breezes in the afternoons and evening over the next 5 days as a frontal boundary remains draped across the state with high pressure to the north and an area of low pressure forecast to develop off the Southeast U.S. Coast this weekend into early next week.





Thunderstorms will be capable of producing frequent lightning and erratic winds. Outside of thunderstorm activity, **wind gusts of upwards 10-15 mph** can be anticipated at times. Relative humidity values will remain above critical thresholds statewide. According to the <u>Florida Forest</u> <u>Service fire dashboard</u>, there are 2 active wildfires across the state burning approximately 0 acres (as of 2:47 PM EDT).



Rip Currents & Marine Hazards:

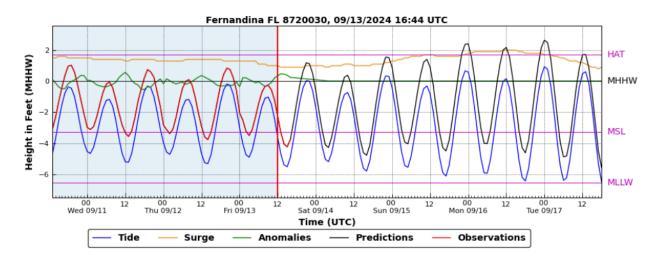
The Florida Panhandle will continue to see a high risk for rip currents today as ocean swells and breezy onshore winds linger from Francine. A moderate risk can be expected along West and East Coast beaches. East Coast beaches can expect a moderate risk for rip currents to persist Saturday, increasing to a moderate to high-risk Sunday and Monday as breezy onshore winds persist and ocean swells develop along the Southeast U.S. Coast with a developing area of low pressure. A moderate risk for rip currents will return to the Florida Panhandle this weekend and continue into early next week with a **locally high risk** possible at times. The West Coast can expect a low to locally moderate risk for rip currents to return Saturday with a low risk anticipated through the rest of the period. For the latest Rip Current Outlook, visit www.weather.gov/beach.

Ocean swells in the Gulf of Mexico in the wake of Francine will continue to gradually dissipate over the next day or so, allowing wave heights along the Florida Panhandle and West Coast to return to near 1-3' and 1-2' this weekend. 1-2' wave heights will persist along the Florida Panhandle and West Coast into early next week. The Florida Keys can expect wave heights up to 2' over the next 5 days. Dissipating swells along Florida's East Coast have allowed wave heights near 2-4' to return this afternoon. An area of low pressure is forecast to develop along a frontal boundary off the coast of the Southeastern U.S. this weekend, shifting onshore early next week. This developing system will reintroduce breezy winds and rebuild ocean swells along the East Coast late this weekend and early next week, creating hazardous beach and boating conditions and elevated surf along the East Coast. The East Coast will likely see wave heights increase to 3-6' Sunday and Monday with locally higher 7-8' waves possible further offshore along the Northeast and Central-East Coast. Wave heights near 3-5' will likely persist along the East Coast Tuesday.

Trapped elevated water levels along the St. Johns River due to breezy onshore winds and elevated surf along the Northeast Coast and abundant rainfall observed across the region filtering into the basin will likely give way to instances of minor coastal flooding at or near times of high tide today. Coastal Flood Advisories are in effect along the St. Johns River Basin and its tributaries through this evening. Coastal Flood Advisories will likely be expanded to include the Northeast Atlantic coastal communities in the few days as the upcoming "Harvest" Full Moon early next week will result in increasingly high astronomical tides (King Tides) beginning this weekend. Minor flooding will likely expand to coastal locations along the Northeast Coast at or near times of high tide by Sunday evening. Coastal Flood Watches may become necessary along the Northeast Coast and within the St. Johns River basin by early to mid-next week as moderate coastal flooding cannot be ruled out during times of high tide. Elevated water levels and isolated instances of minor coastal flooding at times of high tide also cannot be ruled out along the Forgotten and Nature Coasts and further southward along the Florida Atlantic Coast in response to these King Tides late this weekend through mid-week.







<u>Red Tide</u> has been observed at background concentrations in two samples collected across Florida over the past week (as of 9/7). One sample collected was collected from Southwest Florida in Manatee County at Anna Maria Island Rod & Reel Pier (Lower Tampa Bay). The other sample was collected from Florida's East Coast in Flagler County at 15th Street South.

<u>Blue-Green Algae</u> most recent satellite imagery from 9/4, although partially obscured by cloud cover, showed scattered low to moderate bloom potential primarily in the northwest quadrant of Lake Okeechobee and along the western and northern shoreline. Satellite imagery of the St. Johns River obtained on 9/3 and partially obscured by cloud cover showed moderate bloom potential on most of Lake George with scattered low to moderate bloom potential on the mainstem of the St. Johns River downstream of Lake George to Shands Bridge. Satellite imagery obtained on 9/5 and 9/4, respectively, and partially obscured by cloud cover showed no bloom potential in visible portions of the Caloosahatchee or St. Lucie Estuaries.

 NWS Mobile Daily Hazards
 NWS Tallahassee Daily Graphical Hazards

 NWS Jacksonville Daily Hazards
 NWS Melbourne Daily Graphical Hazards

 NWS Tampa Daily Graphical Hazards
 NWS Melbourne Daily Graphical Hazards

 NWS Key West Daily Hazards
 NWS Miami Daily Graphical Hazards

 NWS Key West Daily Hazards
 NWS Miami Daily Graphical Hazards

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 Click here for the latest watches, warnings, and advisories from The National Weather Service
 For coastal and offshore forecasts throughout Florida and Georgia, please click here.



Florida NCAA Division I Football Forecast

All times are in ET



Memphis vs. FSU	Saturday 12:00 PM EDT	<u>Tallahassee, FL</u>
Scattered	showers and thunderstorms likely, otherwise	e partly sunny.
Kickoff Temperature: 81°	Halftime Temperature: 83°	Final Whistle Temperature: 83°

Texas A&M vs. UF	Saturday 3:30 PM EDT	Gainesville, FL				
Scattered showers and thunderstorms likely, otherwise partly sunny.						
Kickoff Temperature: 86°	<u>Halftime Temperature: 84°</u>	Final Whistle Temperature: 81°				





Ball State vs. #10Miami	Saturday 3:30 PM EDT	Miami Gardens, FL		
Scattered showers and thunderstor	ms likely beginning near kickoff, other	wise partly sunny with heat indices in		
	the triple digits.			
<u>Kickoff Temperature: 89°</u>	<u>Halftime Temperature: 87°</u>	<u>Final Whistle Temperature: 85°</u>		
FIU vs. Florida Atlantic	Saturday 6:00 PM EDT	Boca Raton, FL		
Scattered showers and thunderstor	ns primarily before halftime keeping s	kies partly cloudy with heat indices in		
	the triple digits before or near kickoff	F <u>.</u>		
<u>Kickoff Temperature: 85°</u>	<u>Halftime Temperature: 83°</u>	Final Whistle Temperature: 82°		
B-CU vs. WMU	Saturday 7:00 PM EDT	<u>Kalamazoo, MI</u>		
Sunny skies remaining mostly clear after sunset with breezy wind gusts upwards of 15-20 mph.				
Kickoff Temperature: 82°	<u>Halftime Temperature: 75°</u>	Final Whistle Temperature: 69°		
USF vs. Southern Miss	Saturday 7:00 PM EDT	Hattiesburg, MS		
Mostly sunny skies be	coming partly cloudy after sunset with	h mostly dry conditions.		

Mostly sunny skies becoming partly cloudy after sunset with mostly dry conditions. Kickoff Temperature: 78° Halftime Temperature: 72° Final Whistle Temperature: 71°

UCF vs. TCU	Saturday 7:30 PM EDT	Fort Worth, TX			
Partly cloudy skies with dry conditions and wind gusts upwards of 10-15 mph.					
Kickoff Temperature: 93°	Halftime Temperature: 87°	Final Whistle Temperature: 84°			

FAMU – BYE

Have a wonderful weekend! Melissa James, Assistant State Meteorologist Florida Division of Emergency Management www.FloridaDisaster.org/Weather



