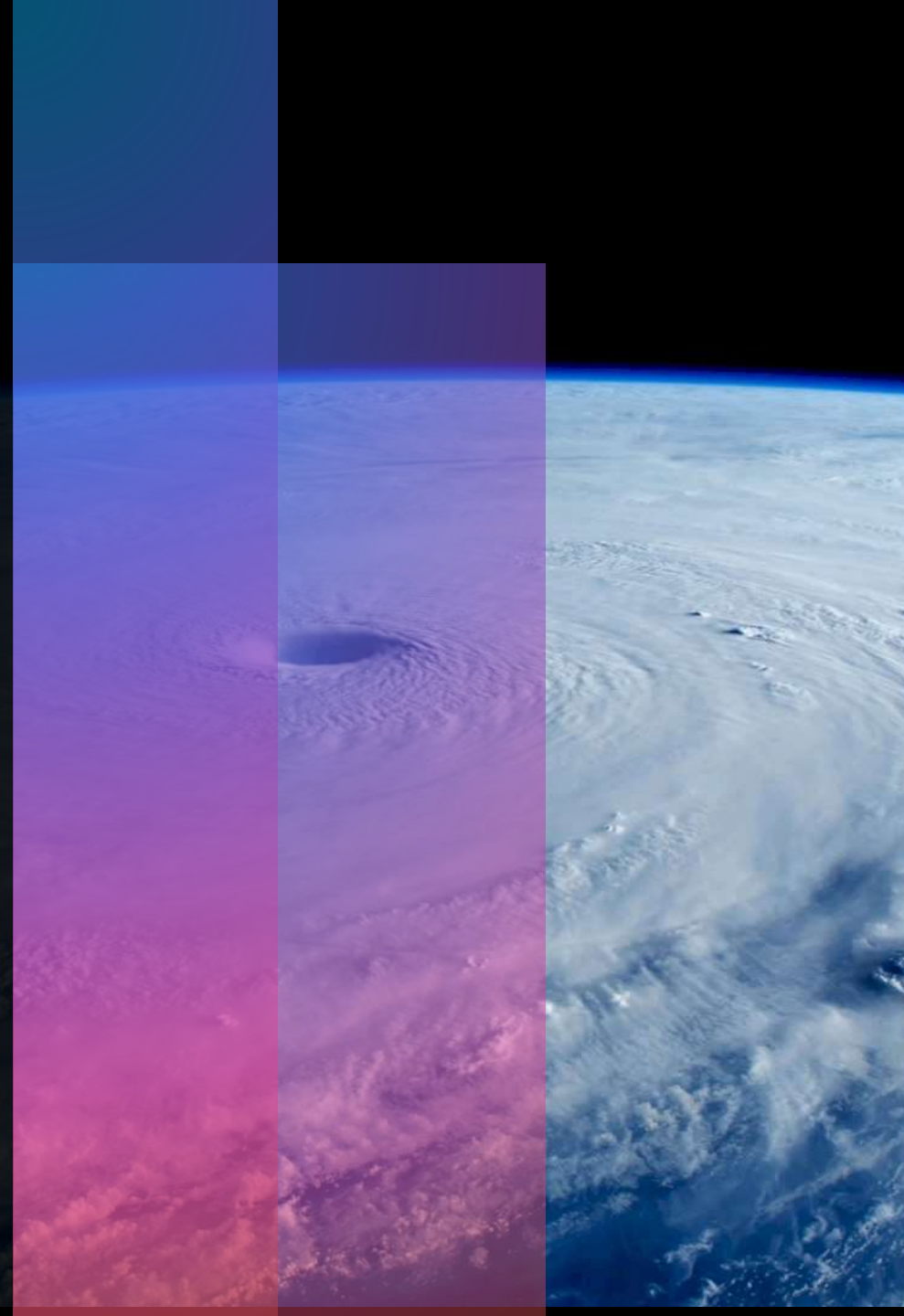
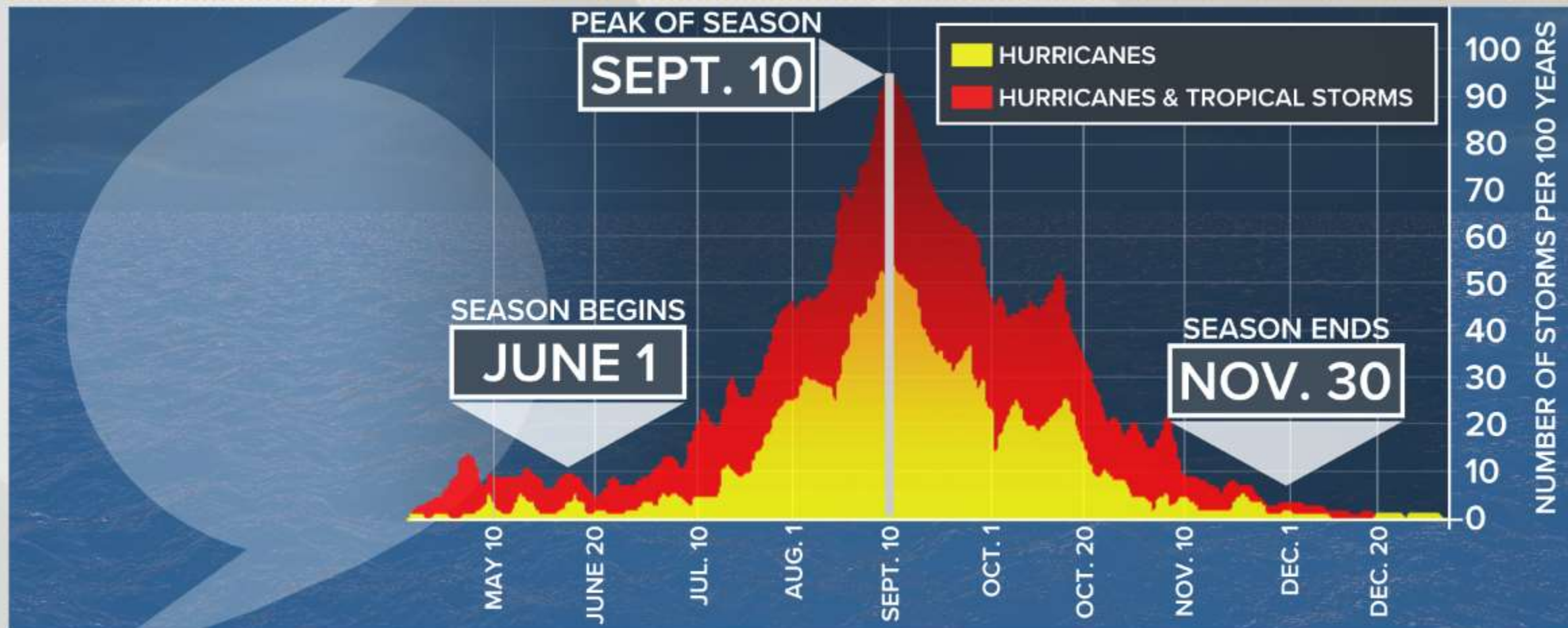


HURRICANE SEASON 2023

CHIEF METEOROLOGIST
BRAD PANOVICH
WCNC CHARLOTTE



TROPICAL FREQUENCY

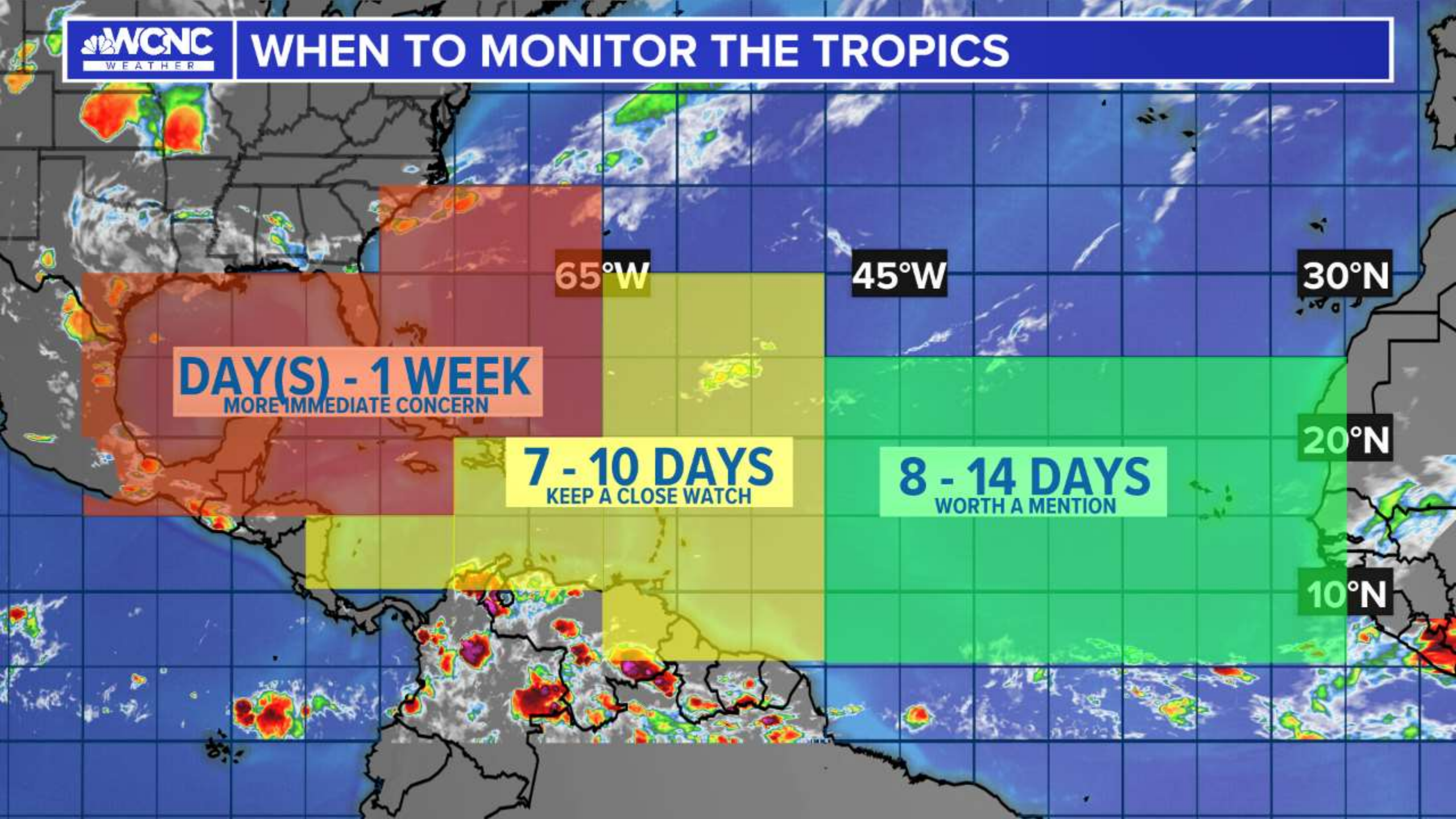


HURRICANE NAME LIST CHANGES (1979-2023)

NEW NAMES: ■ 2017 ■ 2005 ■ 1999

ARLENE	BRET	CINDY
DON	EMILY	FRANKLIN
GERT	HAROLD	IDALIA*
JOSE	KATIA	LEE
MARGOT	NIGEL	OPHELIA
PHILIPPE	RINA	SEAN
TAMMY	VINCE	WHITNEY

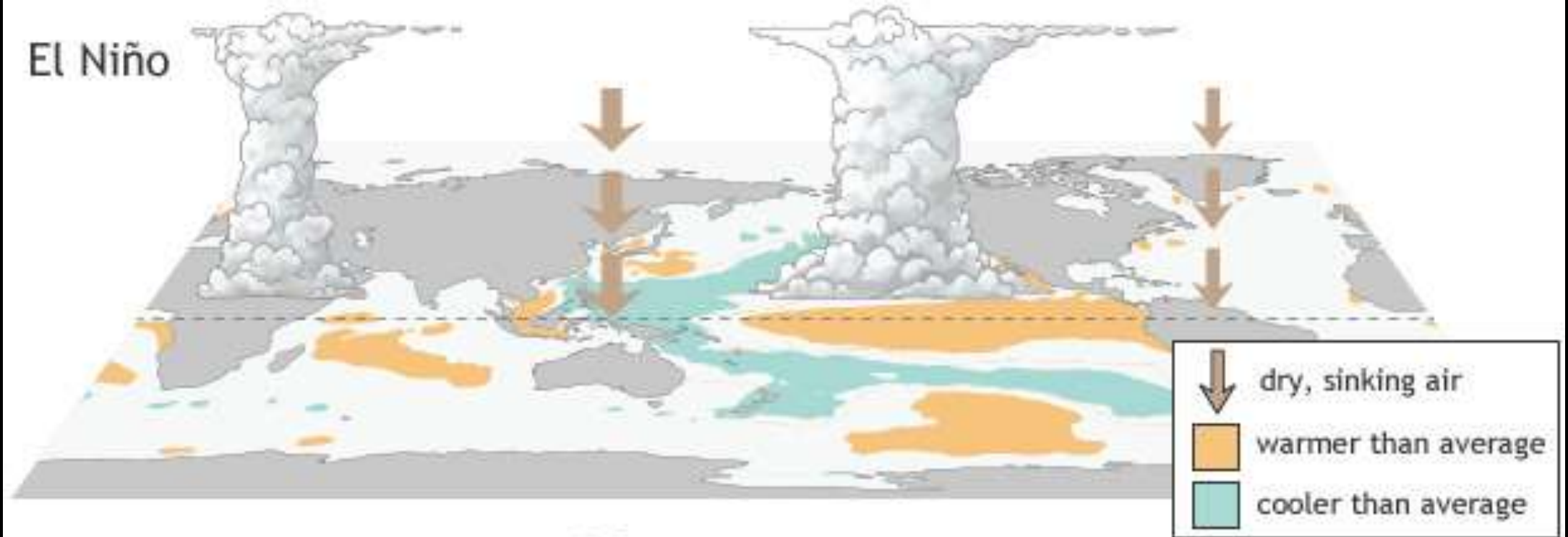
WHEN TO MONITOR THE TROPICS



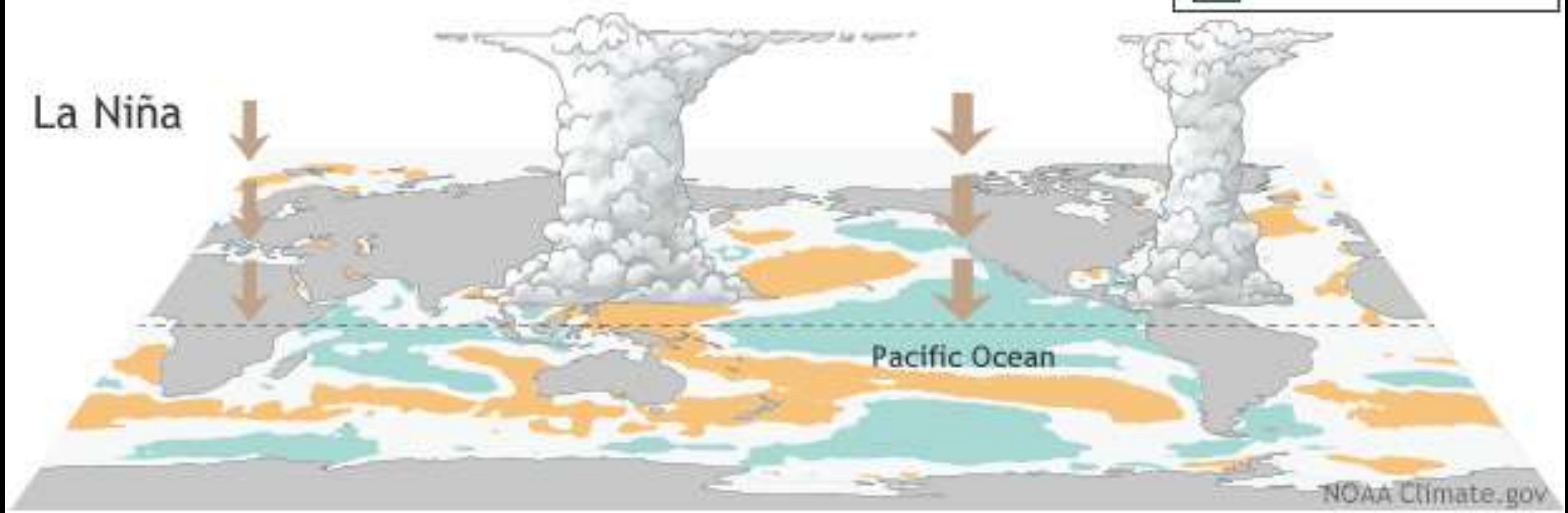
IMPACTS ON THE 2023 HURRICANE SEASON



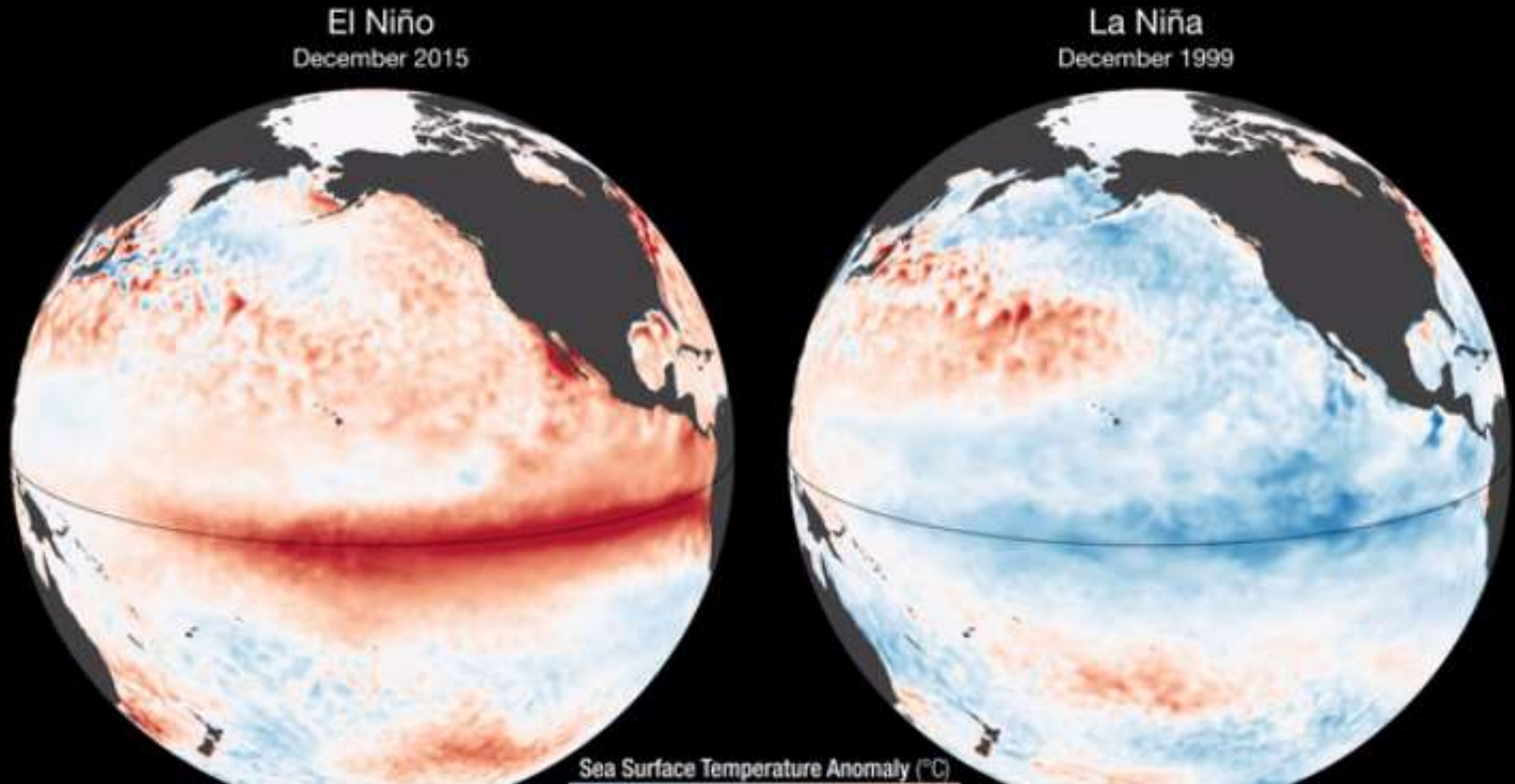
El Niño



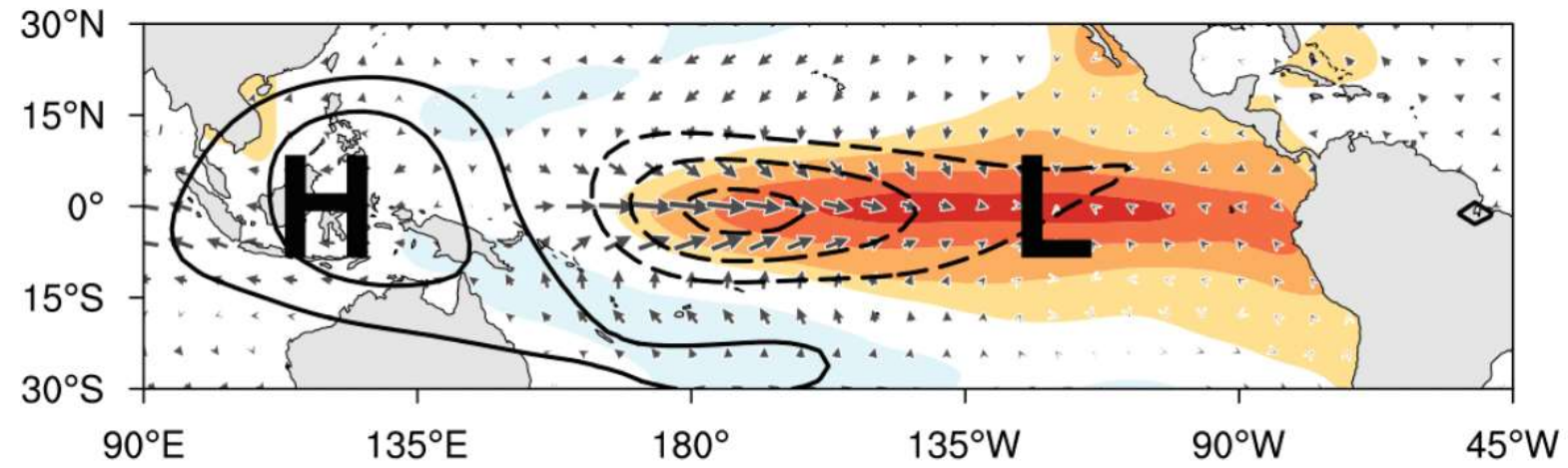
La Niña



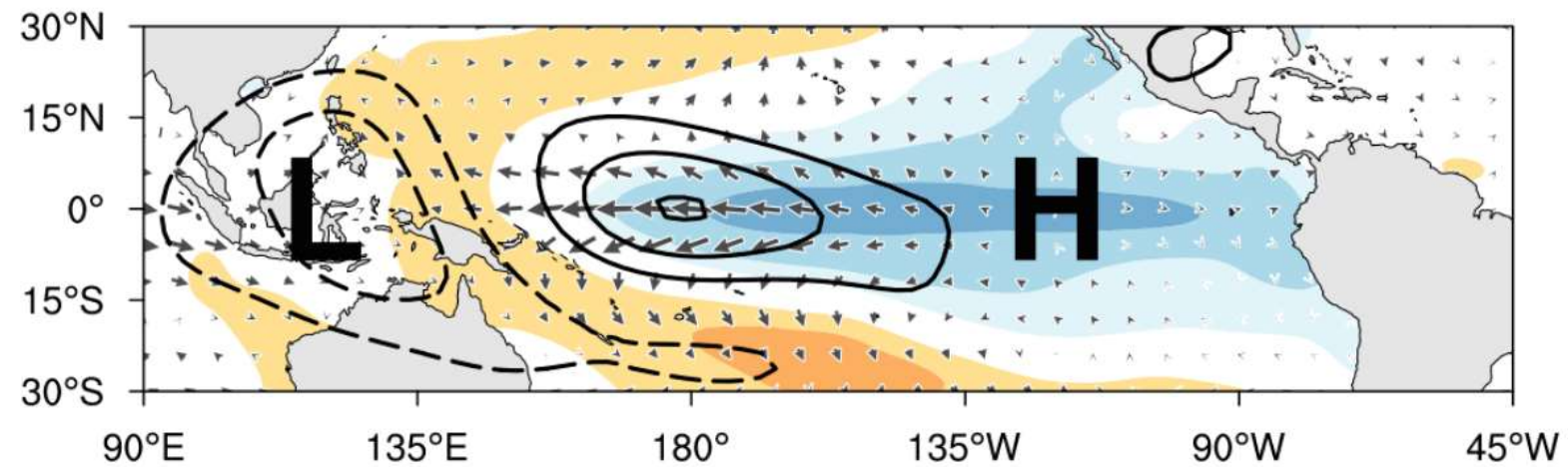
EL NINO DEVELOPING



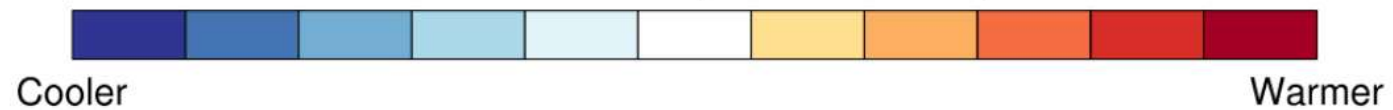
(a) El Niño



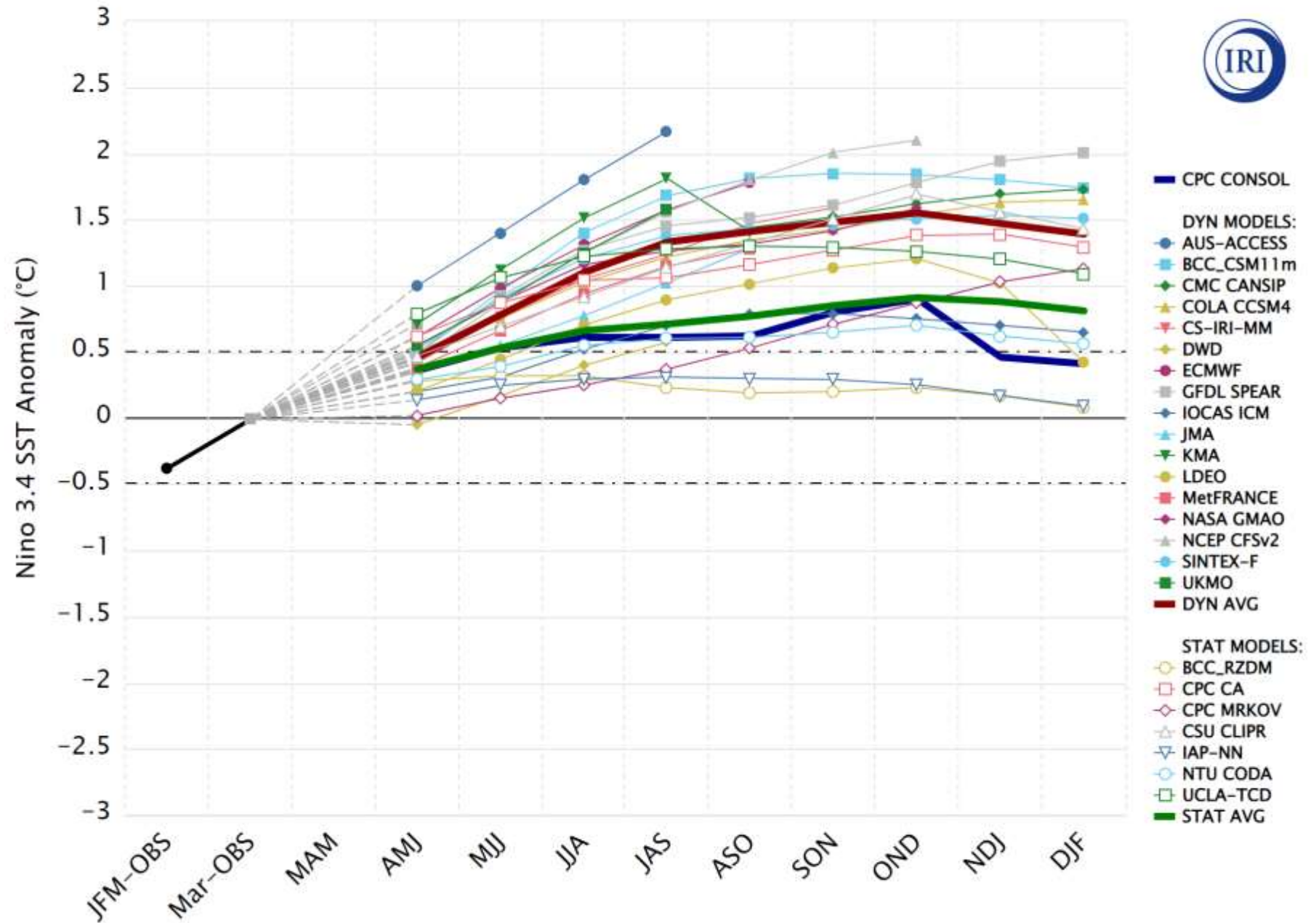
(b) La Niña



Sea Surface Temperature Anomaly



Model Predictions of ENSO from Apr 2023



**LESS
HURRICANES**

**MORE
HURRICANES**

WEAKER WIND SHEAR, TRADE WINDS
AND MORE INSTABILITY

COOL & DRY

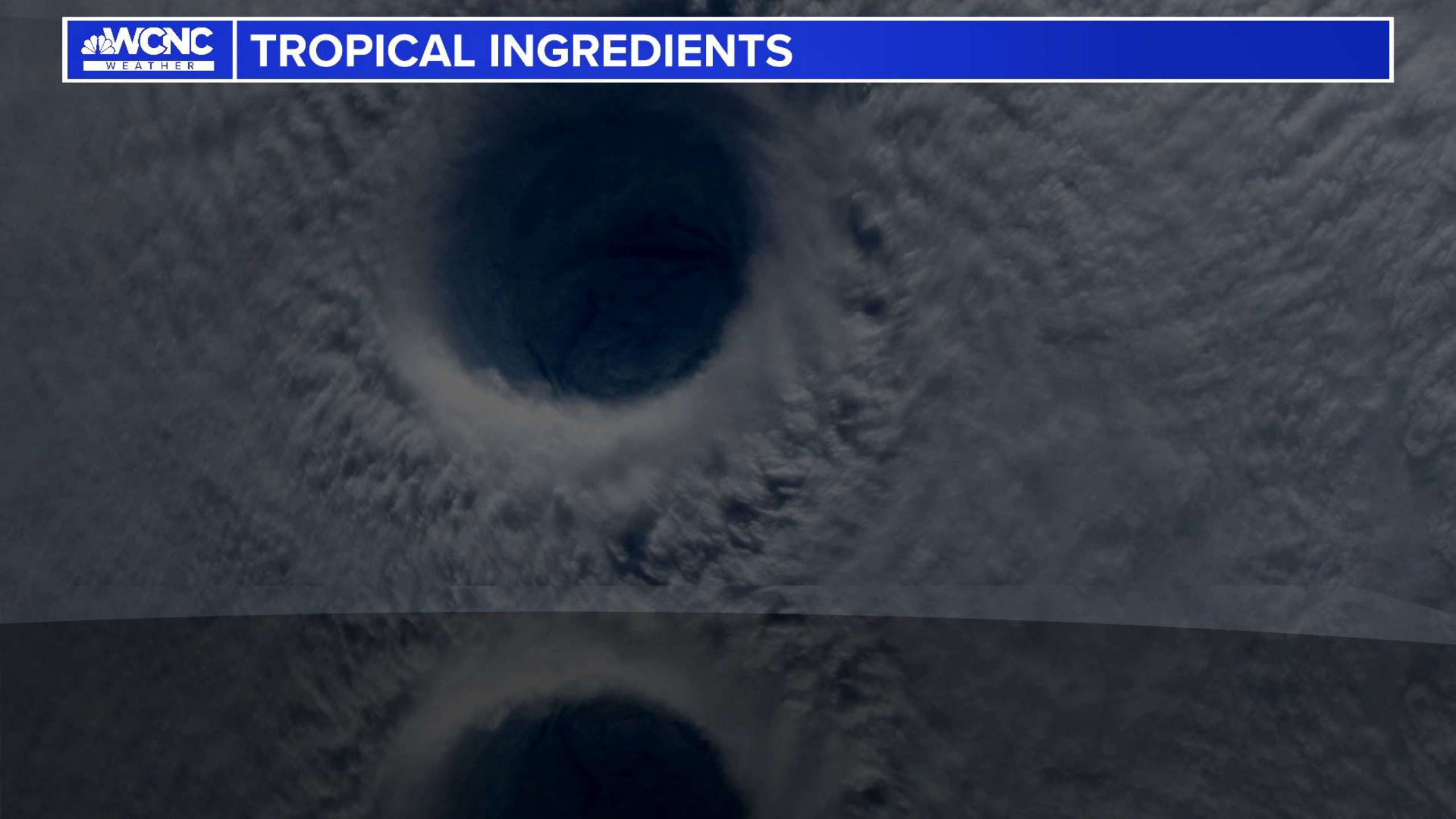


FORECAST FOR THE SEASON



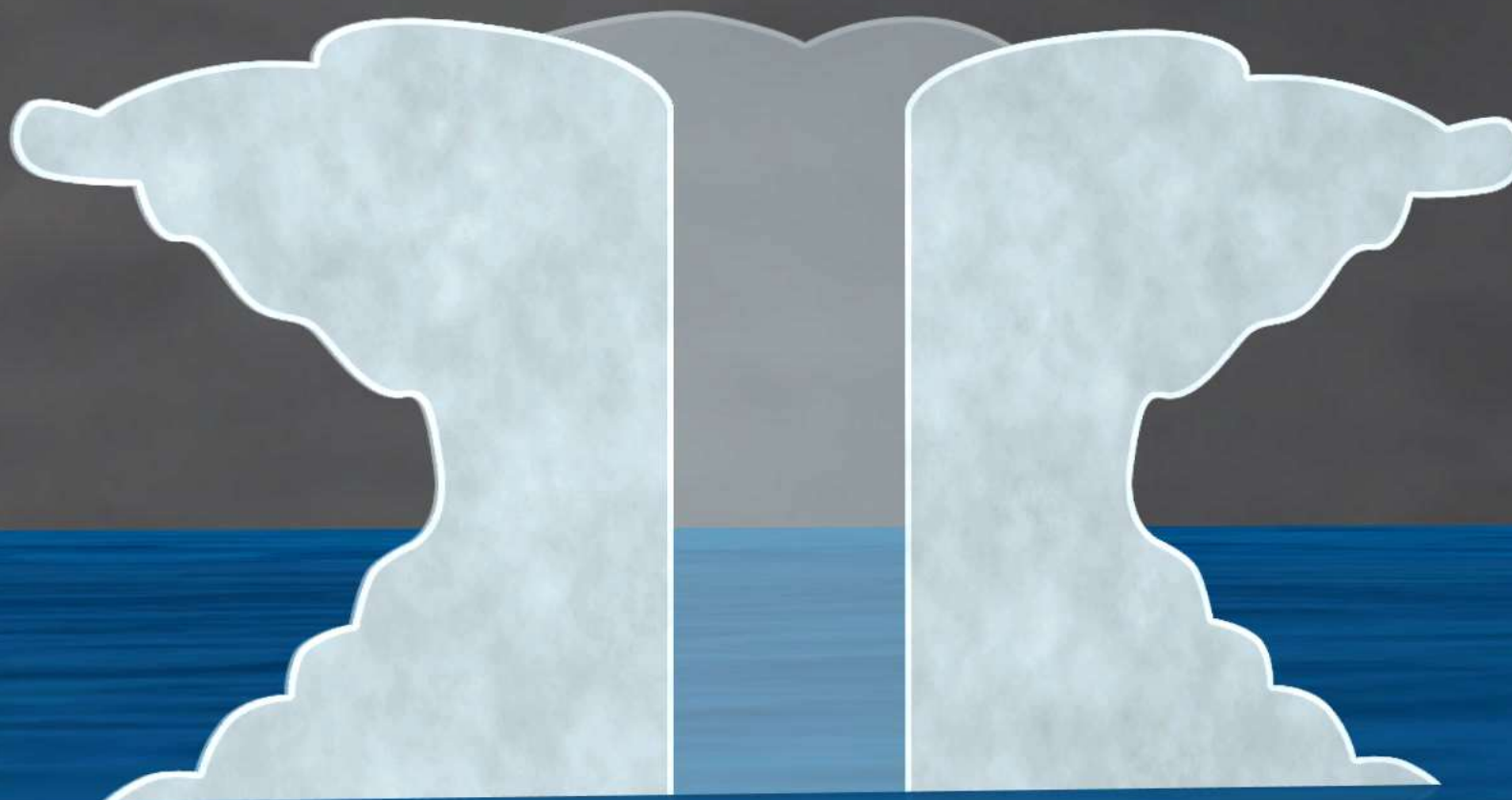
COLORADO STATE UNIVERSITY 2023 HURRICANE SEASON OUTLOOK

	AVERAGE	FORECAST
NAMED STORMS	14.4	13
HURRICANES	7.2	6
MAJOR HURRICANES	3.2	2



**THERE MORE TO IT THAN JUST THE
NUMBER OF STORMS THOUGH**





HURRICANE ACTION TIMELINE

5 DAYS

**CAUTION WITH
THE CONE**

400-MILE SPREAD
IN LANDFALL POTENTIAL

START TASKS
THAT TAKE 2 OR
MORE DAYS TO COMPLETE

4 DAYS

**IDENTIFY
IMPACTS**

UNDERSTAND IMPACTS
AND TIMING

COUNTDOWN TO
WIND ARRIVAL

3 DAYS

**PREPARE
FOR IMPACTS**

HIGH-RES MODELS
ARE NOW CREDIBLE

WATCH FOR
EVACUATION ORDERS

2 DAYS

**DEADLINE
DAY**

ALL DECISIONS
MADE BY NOW

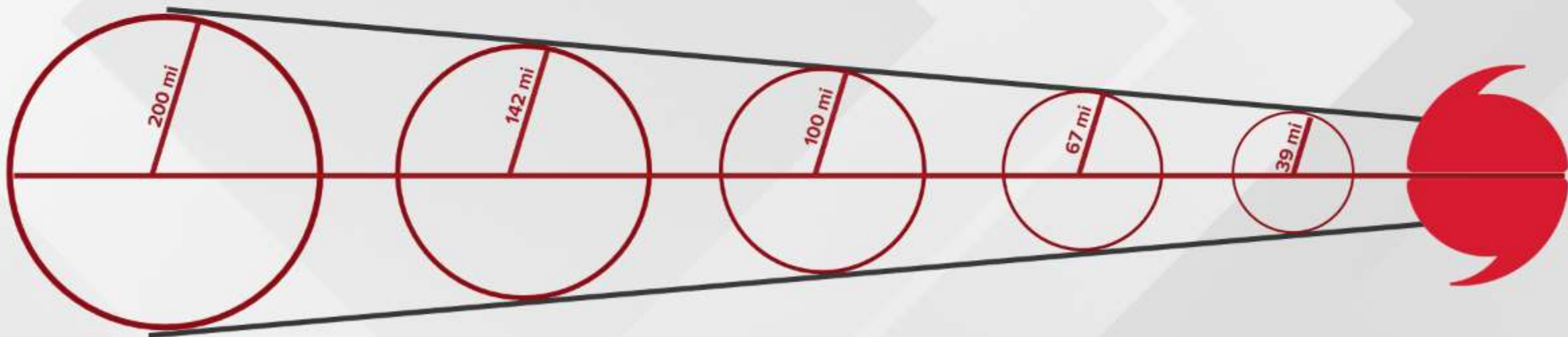
CONFIDENCE ON
IMPACTS VERY HIGH

<24 HRS

**STAY
VIGILANT**

TRAVEL & OUTDOOR
TASKS ARE NOT SAFE

LISTEN TO
LOCAL OFFICIALS





WEST VIRGINIA
7.94"
AGNES (1972)

MARYLAND
14.23"
ELOISE (1975)

VIRGINIA
27.00"
CAMILLE (1969)

NORTH CAROLINA
35.93"
FLORENCE (2018)

SOUTH CAROLINA
23.63"
FLORENCE (2018)

GEORGIA
27.85"
ALBERTO (1994)



**QUESTIONS
COMMENTS**

@wxbrad
wxbrad@gmail.com