

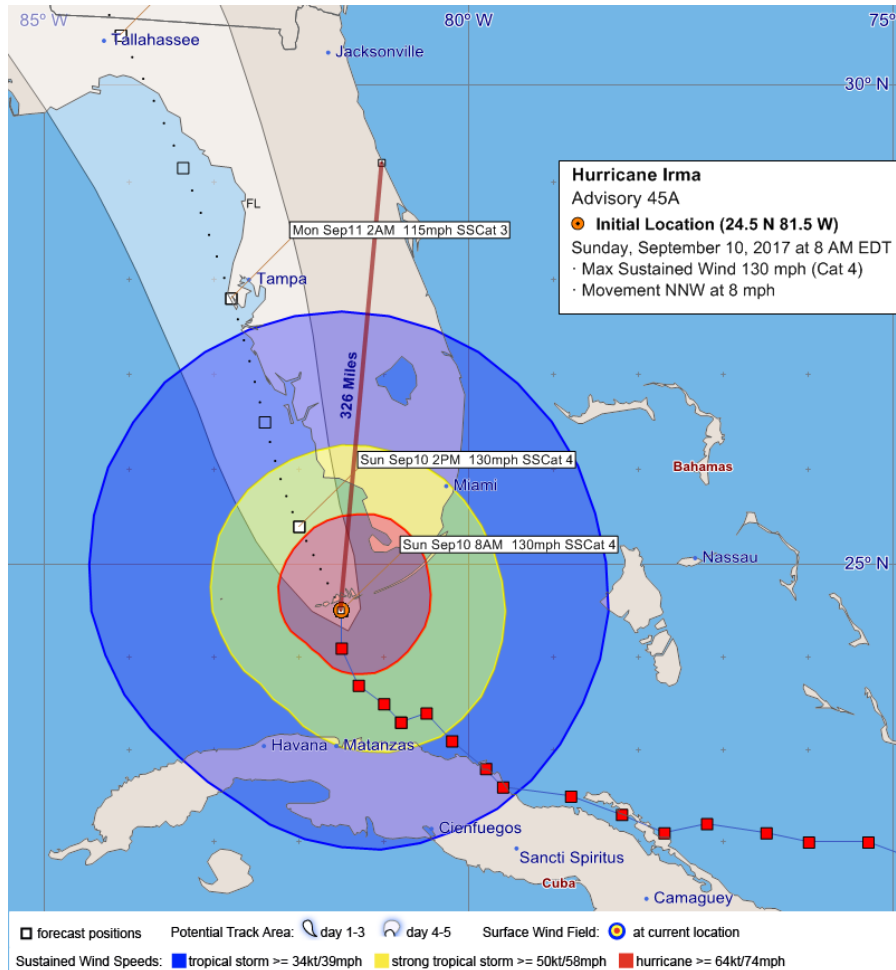


# CITY OF DAYTONA BEACH EMERGENCY MANAGEMENT

## HURRICANE IRMA ADVISORY 11/45

### SUNDAY, SEPTEMBER 10, 2017 0900 HOURS

**WIDEST POSSIBLE DISSEMINATION OF THIS INFORMATION IS REQUESTED**



**Daytona Beach EOC STATUS: Level 1 (Activated)**

**Volusia County EOC STATUS: Level 1 ACTIVATED**

**State EOC Status: Level 1 ACTIVATED**

#### **HURRICANE IRMA ADVISORY NUMBER 45A**

Hurricane Irma Advisory Number 45A

NWS National Hurricane Center Miami FL AL112017

800 AM EDT Sun Sep 10 2017

***...CENTER OF IRMA ABOUT TO MAKE LANDFALL IN THE LOWER FLORIDA KEYS...***

#### **SUMMARY OF 500 PM EDT...2100 UTC...INFORMATION**

LOCATION...24.5N 81.5W

ABOUT 20 MI...30 KM ESE OF KEY WEST FLORIDA

ABOUT 110 MI...180 KM S OF NAPLES FLORIDA

MAXIMUM SUSTAINED WINDS...130 MPH...215 KM/H

PRESENT MOVEMENT...NNW OR 330 DEGREES AT 8 MPH...13 KM/H

MINIMUM CENTRAL PRESSURE...929 MB...27.43 INCHES

## **SUMMARY OF WATCHES AND WARNINGS IN EFFECT:**

### ***CHANGES WITH THIS ADVISORY:***

None

## **WATCHES AND WARNINGS**

A Storm Surge Warning is in effect for...

- \* South Santee River southward to Jupiter Inlet
- \* North Miami Beach southward around the Florida peninsula to the Ochlockonee River
- \* Florida Keys
- \* Tampa Bay

A Hurricane Warning is in effect for...

- \* Fernandina Beach southward around the Florida peninsula to Indian Pass
- \* Florida Keys
- \* Lake Okeechobee
- \* Florida Bay
- \* Cuban provinces of Matanzas and La Habana

A Hurricane Watch is in effect for...

- \* North of Fernandina Beach to Edisto Beach

A Tropical Storm Warning is in effect for...

- \* West of Indian Pass to the Okaloosa/Walton County Line
- \* North of Fernandina Beach to South Santee River

A Tropical Storm Watch is in effect for...

- \* Bimini and Grand Bahama

## **DISCUSSION AND 48-HOUR OUTLOOK**

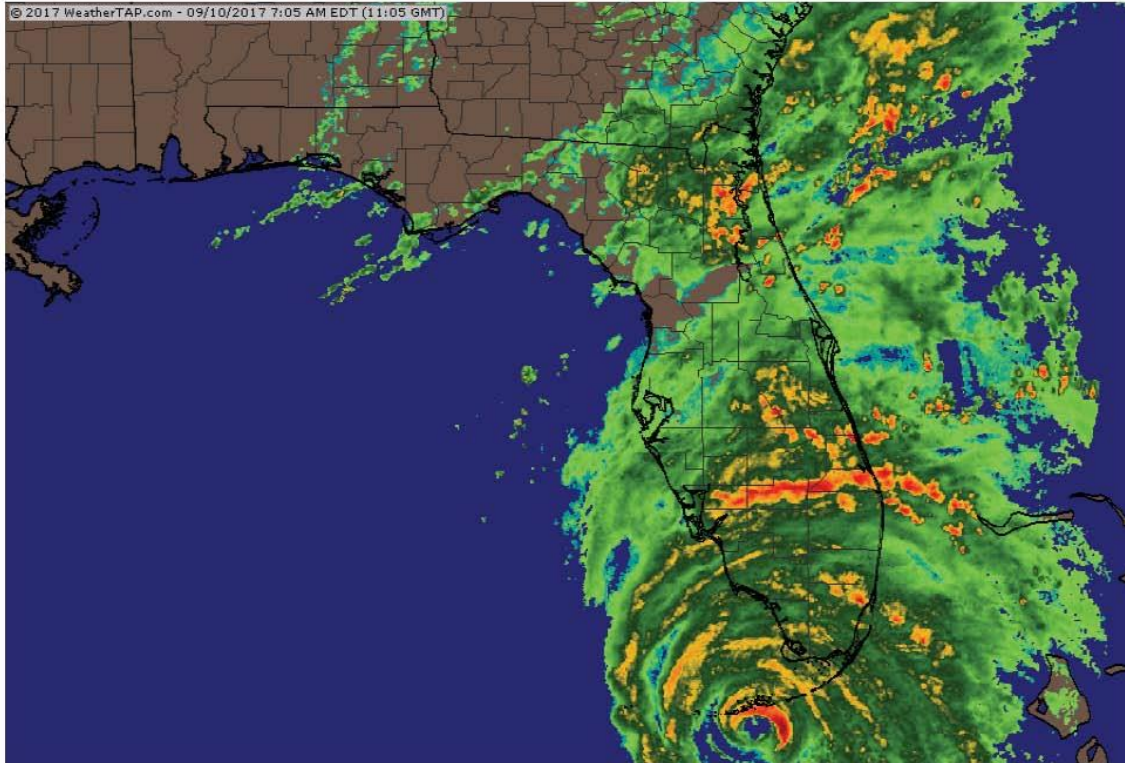
At 800 AM EDT (1200 UTC), the center of Hurricane Irma was located near latitude 24.5 North, longitude 81.5 West. Irma is moving toward the north-northwest near 8 mph (13 km/h), and an increase in forward speed is expected later today, with that motion continuing through Monday. On the forecast track, the eye of Irma should move over the Lower Florida Keys shortly, and then move near or over the west coast of the Florida Peninsula later today through tonight. Irma should then move inland over northern Florida and southwestern Georgia Monday afternoon.

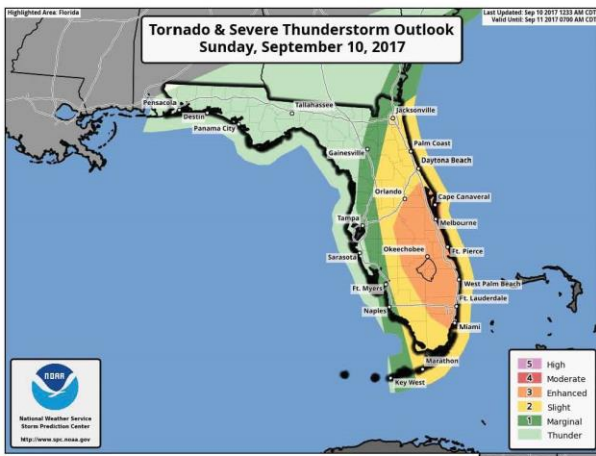
Maximum sustained winds are near 130 mph (215 km/h) with higher gusts. Irma is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. While weakening is forecast, Irma is expected to remain a powerful hurricane while it moves through the Florida Keys and near the west coast of Florida.

Hurricane-force winds extend outward up to 80 miles (130 km) from the center and tropical-storm-force winds extend outward up to 220 miles (350 km). A wind gust to 89 mph (143 km/h) was recently measured at the Key West National Weather Service Forecast Office. Sustained winds of 46 mph (74 km/h) with a gust to 72 mph (117 km/h) was recently reported at Tamiami Airport in West Kendall, Florida.

The estimated minimum central pressure is 929 mb (27.43 inches).

# State radar as of 07:00am EDT Sunday





Tornado threat will increase with the outer bands from Irma. Tornado watches may be extended into portions of the Central and Northeast Florida.

# HURRICANE IRMA FORECAST & WIND PROBABILITIES

HURRICANE IRMA FORECAST/ADVISORY NUMBER 45A  
 NWS NATIONAL HURRICANE CENTER MIAMI FL AL112017  
 0900 UTC SUN SEP 10 2017

AT 2100Z THE CENTER OF HURRICANE IRMA WAS LOCATED NEAR LATITUDE 23.4  
 NORTH...LONGITUDE 80.5 WEST WITH MAXIMUM SUSTAINED WINDS NEAR 110  
 KTS...125 MPH...205 KM/H.

Z INDICATES COORDINATED UNIVERSAL TIME (GREENWICH)  
 ATLANTIC STANDARD TIME (AST)...SUBTRACT 4 HOURS FROM Z TIME  
 EASTERN DAYLIGHT TIME (EDT)...SUBTRACT 4 HOURS FROM Z TIME  
 CENTRAL DAYLIGHT TIME (CDT)...SUBTRACT 5 HOURS FROM Z TIME

## WIND SPEED PROBABILITY TABLE FOR SPECIFIC LOCATIONS

CHANCES OF SUSTAINED (1-MINUTE AVERAGE) WIND SPEEDS OF AT LEAST  
 ...34 KT (39 MPH... 63 KM/H)...  
 ...50 KT (58 MPH... 93 KM/H)...  
 ...64 KT (74 MPH...119 KM/H)...

FOR LOCATIONS AND TIME PERIODS DURING THE NEXT 5 DAYS

PROBABILITIES FOR LOCATIONS ARE GIVEN AS OP(CP) WHERE  
 OP IS THE PROBABILITY OF THE EVENT BEGINNING DURING  
 AN INDIVIDUAL TIME PERIOD (ONSET PROBABILITY)  
 (CP) IS THE PROBABILITY OF THE EVENT OCCURRING BETWEEN  
 12Z WED AND THE FORECAST HOUR (CUMULATIVE PROBABILITY)

PROBABILITIES ARE GIVEN IN PERCENT  
 X INDICATES PROBABILITIES LESS THAN 1 PERCENT  
 PROBABILITIES FOR 34 KT AND 50 KT ARE SHOWN AT A GIVEN LOCATION WHEN  
 THE 5-DAY CUMULATIVE PROBABILITY IS AT LEAST 3 PERCENT.  
 PROBABILITIES FOR 34...50...64 KT SHOWN WHEN THE 5-DAY  
 64-KT CUMULATIVE PROBABILITY IS AT LEAST 1 PERCENT.

### - - - - WIND SPEED PROBABILITIES FOR SELECTED LOCATIONS - - - -

TIME PERIODS	FROM	FROM	FROM	FROM	FROM	FROM	FROM
	06Z SUN	18Z SUN	06Z MON	18Z MON	06Z TUE	06Z WED	06Z THU
	TO	TO	TO	TO	TO	TO	TO
	18Z SUN	06Z MON	18Z MON	06Z TUE	06Z WED	06Z THU	06Z FRI
FORECAST HOUR	(12)	(24)	(36)	(48)	(72)	(96)	(120)
LOCATION	KT						
JACKSONVILLE	34	2	37 (39)	35 (74)	X (74)	X (74)	X (74)
JACKSONVILLE	50	X	3 ( 3)	13 (16)	X (16)	X (16)	X (16)
JACKSONVILLE	64	X	X ( X)	2 ( 2)	X ( 2)	X ( 2)	X ( 2)

GAINESVILLE FL	34	6	65 (71)	24 (95)	X (95)	X (95)	X (95)	X (95)
GAINESVILLE FL	50	X	18 (18)	49 (67)	X (67)	X (67)	X (67)	X (67)
GAINESVILLE FL	64	X	2 ( 2)	21 (23)	X (23)	X (23)	X (23)	X (23)
DAYTONA BEACH	34	8	61 (69)	8 (77)	X (77)	X (77)	X (77)	X (77)
DAYTONA BEACH	50	X	11 (11)	6 (17)	X (17)	X (17)	X (17)	X (17)
DAYTONA BEACH	64	X	1 ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)
THE VILLAGES	34	12	76 (88)	8 (96)	X (96)	X (96)	X (96)	X (96)
THE VILLAGES	50	X	50 (50)	23 (73)	X (73)	X (73)	X (73)	X (73)
THE VILLAGES	64	X	11 (11)	14 (25)	X (25)	X (25)	X (25)	X (25)
ORLANDO FL	34	28	59 (87)	2 (89)	X (89)	X (89)	X (89)	X (89)
ORLANDO FL	50	1	40 (41)	5 (46)	X (46)	X (46)	X (46)	X (46)
ORLANDO FL	64	X	5 ( 5)	X ( 5)	X ( 5)	X ( 5)	X ( 5)	X ( 5)
COCOA BEACH FL	34	31	46 (77)	2 (79)	X (79)	X (79)	X (79)	X (79)
COCOA BEACH FL	50	1	12 (13)	1 (14)	X (14)	X (14)	X (14)	X (14)
COCOA BEACH FL	64	X	1 ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)
FT PIERCE FL	34	61	20 (81)	1 (82)	X (82)	X (82)	X (82)	X (82)
FT PIERCE FL	50	4	8 (12)	X (12)	X (12)	X (12)	X (12)	X (12)
FT PIERCE FL	64	X	1 ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)	X ( 1)
W PALM BEACH	34	78	5 (83)	1 (84)	X (84)	X (84)	X (84)	X (84)
W PALM BEACH	50	7	6 (13)	X (13)	X (13)	X (13)	X (13)	X (13)
FT LAUDERDALE	34	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
FT LAUDERDALE	50	18	5 (23)	X (23)	X (23)	X (23)	X (23)	X (23)
FT LAUDERDALE	64	2	X ( 2)	X ( 2)	X ( 2)	X ( 2)	X ( 2)	X ( 2)
MIAMI FL	34	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
MIAMI FL	50	45	2 (47)	X (47)	X (47)	X (47)	X (47)	X (47)
MIAMI FL	64	3	X ( 3)	X ( 3)	X ( 3)	X ( 3)	X ( 3)	X ( 3)
MARATHON FL	34	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
MARATHON FL	50	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
MARATHON FL	64	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
KEY WEST FL	34	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
KEY WEST FL	50	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
KEY WEST FL	64	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
NAPLES FL	34	99	X (99)	X (99)	X (99)	X (99)	X (99)	X (99)
NAPLES FL	50	95	5 (99)	X (99)	X (99)	X (99)	X (99)	X (99)
NAPLES FL	64	61	34 (95)	X (95)	X (95)	X (95)	X (95)	X (95)
FT MYERS FL	34	97	3 (99)	X (99)	X (99)	X (99)	X (99)	X (99)
FT MYERS FL	50	72	27 (99)	X (99)	X (99)	X (99)	X (99)	X (99)
FT MYERS FL	64	14	78 (92)	X (92)	X (92)	X (92)	X (92)	X (92)

VENICE FL	34	85	15 (99)	X (99)	X (99)	X (99)	X (99)	X (99)
VENICE FL	50	19	79 (98)	X (98)	X (98)	X (98)	X (98)	X (98)
VENICE FL	64	3	89 (92)	X (92)	X (92)	X (92)	X (92)	X (92)
TAMPA FL	34	49	50 (99)	1 (99)	X (99)	X (99)	X (99)	X (99)
TAMPA FL	50	4	89 (93)	3 (96)	X (96)	X (96)	X (96)	X (96)
TAMPA FL	64	X	76 (76)	7 (83)	X (83)	X (83)	X (83)	X (83)
CEDAR KEY FL	34	8	79 (87)	12 (99)	X (99)	X (99)	X (99)	X (99)
CEDAR KEY FL	50	X	45 (45)	49 (94)	X (94)	X (94)	X (94)	X (94)
CEDAR KEY FL	64	X	14 (14)	62 (76)	X (76)	X (76)	X (76)	X (76)
TALLAHASSEE FL	34	X	26 (26)	70 (96)	1 (97)	X (97)	X (97)	X (97)
TALLAHASSEE FL	50	X	2 ( 2)	74 (76)	3 (79)	X (79)	X (79)	X (79)
TALLAHASSEE FL	64	X	X ( X)	40 (40)	6 (46)	X (46)	X (46)	X (46)
ST MARKS FL	34	1	35 (36)	62 (98)	X (98)	X (98)	X (98)	X (98)
ST MARKS FL	50	X	3 ( 3)	78 (81)	1 (82)	X (82)	X (82)	X (82)
ST MARKS FL	64	X	X ( X)	48 (48)	3 (51)	X (51)	X (51)	X (51)
APALACHICOLA	34	2	29 (31)	49 (80)	X (80)	X (80)	X (80)	X (80)
APALACHICOLA	50	X	3 ( 3)	36 (39)	1 (40)	X (40)	X (40)	X (40)
APALACHICOLA	64	X	X ( X)	13 (13)	1 (14)	X (14)	X (14)	X (14)
PANAMA CITY FL	34	X	16 (16)	48 (64)	2 (66)	X (66)	X (66)	X (66)
PANAMA CITY FL	50	X	1 ( 1)	17 (18)	2 (20)	X (20)	X (20)	X (20)
PANAMA CITY FL	64	X	X ( X)	3 ( 3)	2 ( 5)	X ( 5)	X ( 5)	X ( 5)

**LOCAL ACTIONS:** All City Departments should continue to closely monitor the progress of Hurricane Irma.

- Maintain personal safety
- Report hazards, issues, needs to the City EOC for support
- Take shelter when necessary

**NEXT ADVISORY:** If the current track and storm development continues as predicted, the next advisory will be disseminated on Sunday, September 10, 2017 at approximately 1800 hours EDT (after the 1700 AM EDT Updates). All personnel are urged to monitor local weather services (Cable TV, NHC, NOAA, NWS) for additional information concerning this storm.

**PROTECT YOURSELF**  
**DON'T DEPEND ON "SOMEONE ELSE" FOR YOUR PERSONAL SAFETY!!**

Visit <https://www.ready.gov/hurricanes> and  
<https://www.ready.gov/make-a-plan>