Hurricane Awareness 2014

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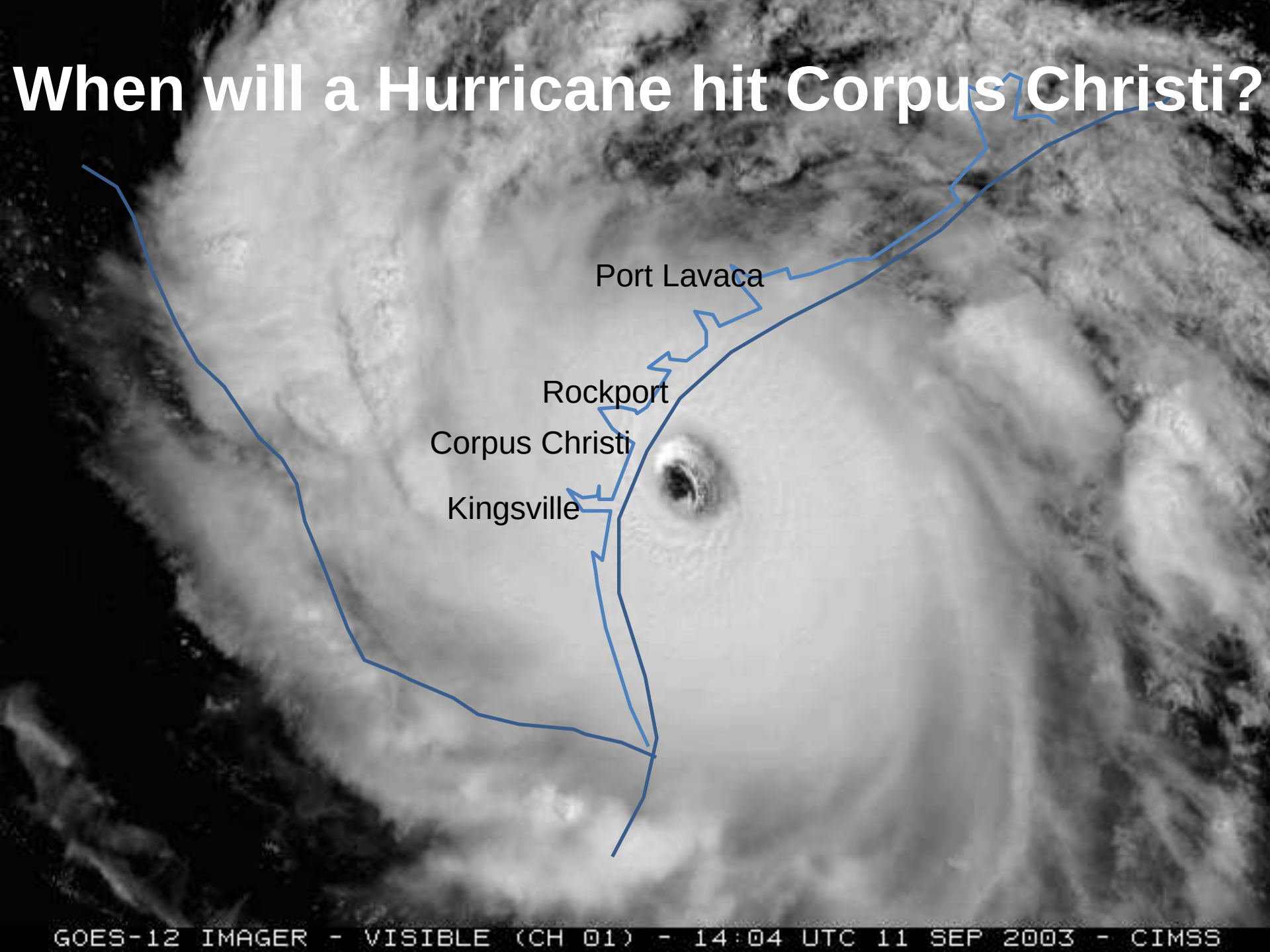
NASCC, EMO

When will a Hurricane hit Corpus Christi?



2014 Hurricane Predictions

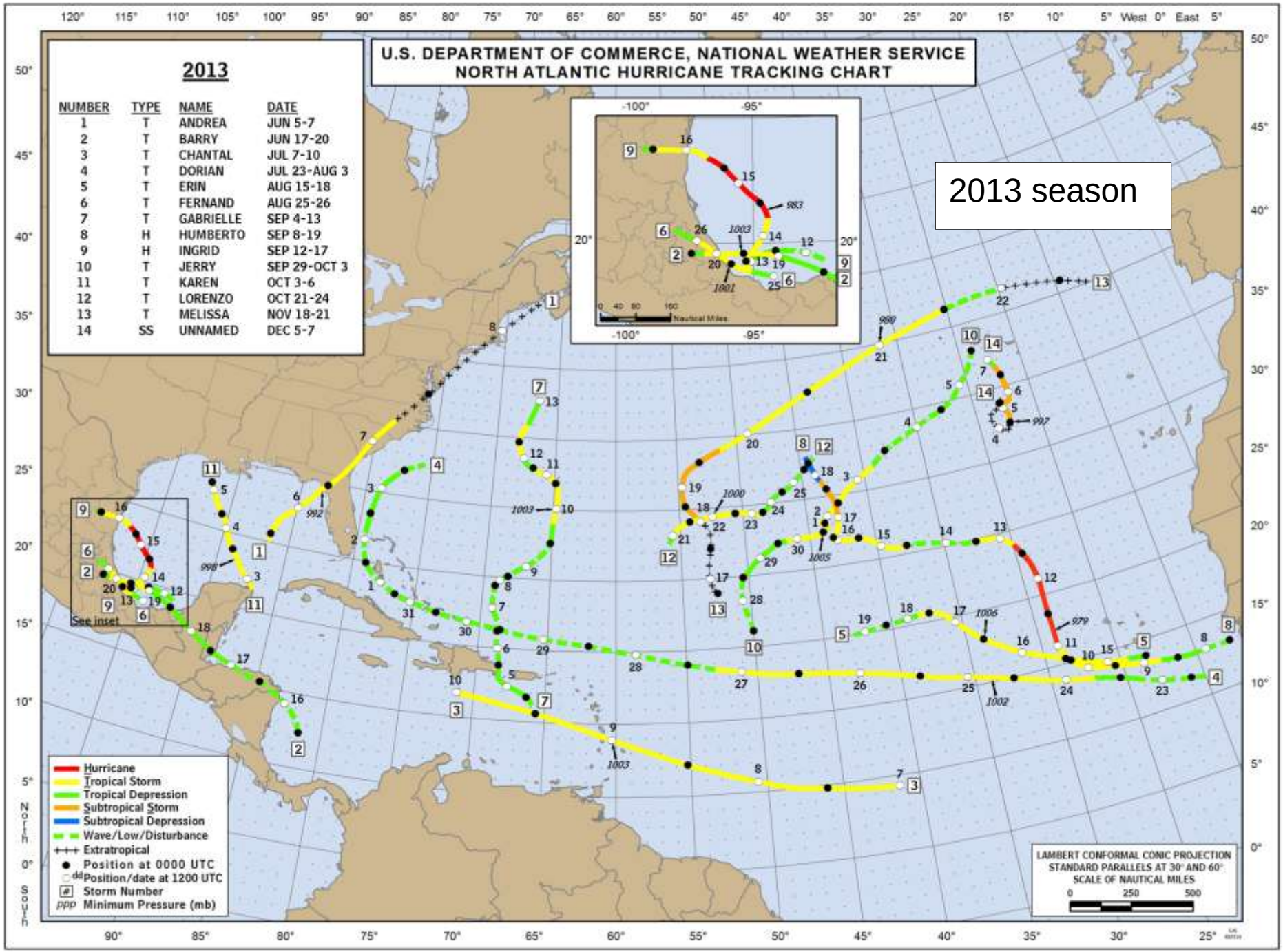
2013 Hurricane Predictions

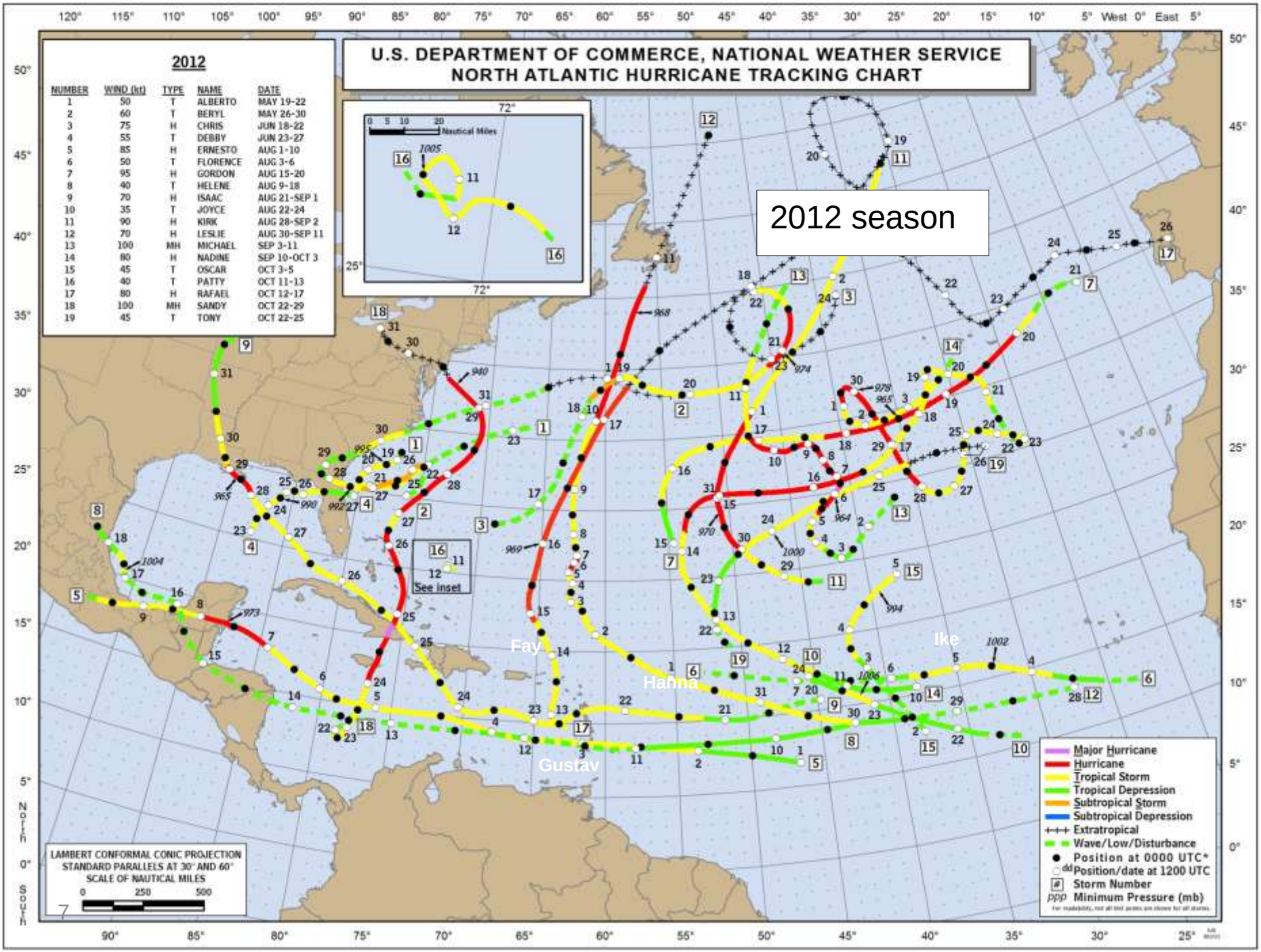
2013 Predictions:

-16 Named Hurricanes
- 8 Hurricanes
- 4 Major Hurricanes
- 3 Make Landfall

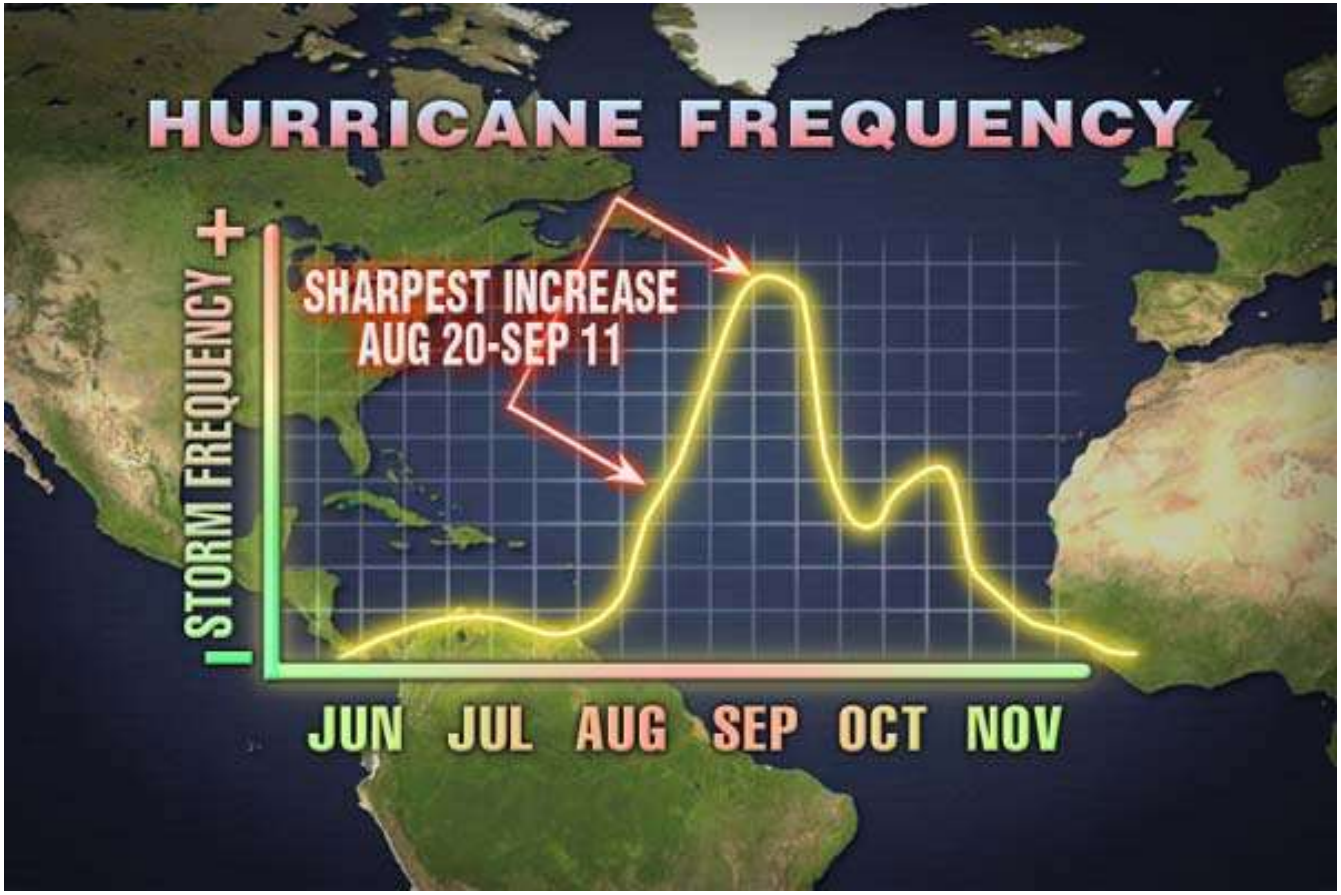
2013 Hurricane Season Actual

-14 Named Hurricanes.
- 2 Hurricanes.
- 0 Major Hurricanes
- 0 Made Landfall


U.S. DEPARTMENT OF COMMERCE, NATIONAL WEATHER SERVICE
NORTH ATLANTIC HURRICANE TRACKING CHART
2013
NUMBER TYPE NAME DATE
1 T ANDREA JUN 5-7
2 T BARRY JUN 17-20
3 T CHANTAL JUL 7-10
4 T DORIAN JUL 23-AUG 3
5 T ERIN AUG 15-18
6 T FERNAND AUG 25-26
7 T GABRIELLE SEP 4-13
8 H HUMBERTO SEP 8-19
9 H INGRID SEP 12-17
10 T JERRY SEP 29-OCT 3
11 T KAREN OCT 3-6
12 T LORENZO OCT 21-24
13 T MELISSA NOV 18-21
14 SS UNNAMED DEC 5-7
2013 season
See inset
Hurricane
Tropical Storm
Tropical Depression
Subtropical Storm
Subtropical Depression
Wave/Low/Disturbance
Extratropical
Position at 0000 UTC
Position/date at 1200 UTC
Storm Number
Minimum Pressure (mb)
LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF NAUTICAL MILES
0 250 500


U.S. DEPARTMENT OF COMMERCE, NATIONAL WEATHER SERVICE
NORTH ATLANTIC HURRICANE TRACKING CHART
2012 season
2012
NUMBER WIND (kt) TYPE NAME DATE
1 50 T ALBERTO MAY 19-22
2 60 T BERYL MAY 26-30
3 75 H CHRIS JUN 18-22
4 55 T DEBBY JUN 23-27
5 85 H ERNESTO AUG 1-10
6 50 T FLORENCE AUG 3-6
7 95 H GORDON AUG 15-20
8 40 T HELENE AUG 9-18
9 70 H ISAAC AUG 21-SEP 1
10 35 T JOYCE AUG 22-24
11 90 H KIRK AUG 28-SEP 2
12 70 H LESLIE AUG 30-SEP 11
13 100 MH MICHAEL SEP 3-11
14 80 H NADINE SEP 10-OCT 3
15 45 T OSCAR OCT 3-5
16 40 T PATTY OCT 11-13
17 80 H RAFAEL OCT 12-17
18 100 MH SANDY OCT 22-29
19 45 T TONY OCT 22-25
Nautical Miles
See inset
Fay
Hanna
Gustav
Ike
LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF NAUTICAL MILES
Major Hurricane
Hurricane
Tropical Storm
Tropical Depression
Subtropical Storm
Subtropical Depression
Extratropical
Wave/Low/Disturbance
Position at 0000 UTC*
Position/date at 1200 UTC
Storm Number
Minimum Pressure (mb)

Seasonal Peak



HISTORICAL DATA-LOCAL AREA

Hurricanes impacted the Coastal Bend in - 1874, 1886, 1886, 1912, 1913, 1916, 1919, 1945.

1970 - Aug 3 Hurricane Celia, gusts to 161mph
Killed 1
Injured 466
Caused $1.8 billion damage total devastation
65,000 Families suffered losses in Texas.
8,950 homes were destroyed
13,850 homes were severely damaged
41,800 homes received minor damage

1998 - T.S. Charley was a direct hit with 60mph winds dumping very heavy rain which killed 14.

2010 – Not even a tropical storm, but simply a straight-line wind event caused considerable damage to NASCC.

HAZARDS ASSOCIATED WITH HURRICANES

Hurricane Categories

<u>CAT I</u> – minimal damage
Winds 74-95 MPH, (64-82 kts)

<u>CAT 2</u> – moderate damage

Winds 96-110 MPH, (83-95 kts)

<u>CAT 3</u> – extensive damage

Winds 111-129 MPH, (96-112 kts)

<u>CAT 4</u> – extensive damage

Winds of 130-156 MPH, (113-136 kts)

<u>CAT 5</u> – catastrophic damage

Winds above 157 MPH(>137 kts)

Cat 3 Storm Surge Simulation
Aransas Pass Texas

Cat 3 Storm Surge Simulation
Aransas Pass Texas

Cat 3 Storm Surge Simulation
Aransas Pass Texas

Tropical Cyclone
Conditions of Readiness (COR)

COR V

- No storm or destructive winds anticipated within 96 hours (Default condition throughout the hurricane season: June 1 through November 30)

COR IV

- Destructive winds of the force indicated are anticipated within 72 hours.

COR III

- Destructive winds of the force indicated are anticipated within 48 hours.

COR II

- Destructive winds of the force indicated are anticipated within 24 hours.

COR I

- Destructive winds of the force indicated are anticipated within 12 hours.

The safety of your family during and after a hurricane is a direct result of your planning and readiness. At a minimum, you should:

Have a family evacuation plan

Have the following ready to bring with you:

- **Clothing and toiletries**
- **Sleeping bags and blankets**
- **Medications**
- **Money for unforeseen expenses**
- **Items for infants - crib, diapers, toys/games, etc**
- **Pet items**

Establish a long distance contact number outside the area in the event you are separated from your family members.

Plan ahead if you have any special needs family members or concerns.

PERSONAL DISASTER PREPAREDNESS

What is best / makes sense for you and your family?

What is important to you?

- **Photos?**
- **Documents?**
- **Xbox?**
- **Laptop?**
- **Pet?**

CONDITIONS OF READINESS

COR V: Set June 1st and is default through end of November.

Personal Preparation:

-Plan out and drive your evacuation route.
-Be prepared to protect your home and property by having window boards ready.
-Make sure personal information is update in NFAAS and TWMS.
-Educate your family members/children about Conditions of Readiness and Hurricane Categories.

CONDITIONS OF READINESS

COR IV: Destructive winds are anticipated within 72 hours.

Personal Preparation:

-Monitor weather developments.
-Review family evacuation plans.
-Locate and gather together all important family papers (including insurance).
-Check all emergency supplies.
-Prepare to board your home if necessary.

IMPORTANT NOTE:

Many insurance companies will not allow you to add/make changes to flooding/windstorm policies once an active storm is in the Gulf of Mexico. Know your policies and level of coverage beforehand.

CONDITIONS OF READINESS

COR III: Destructive winds are anticipated within 48 hours.

Personal preparation:

-Finalize evacuation plans.
-Remove all loose objects outside.
-Ensure all vehicles are full of fuel.
-Board up your home with plywood.
-Pack evacuation vehicles.
-Finish all unfinished emergency actions.

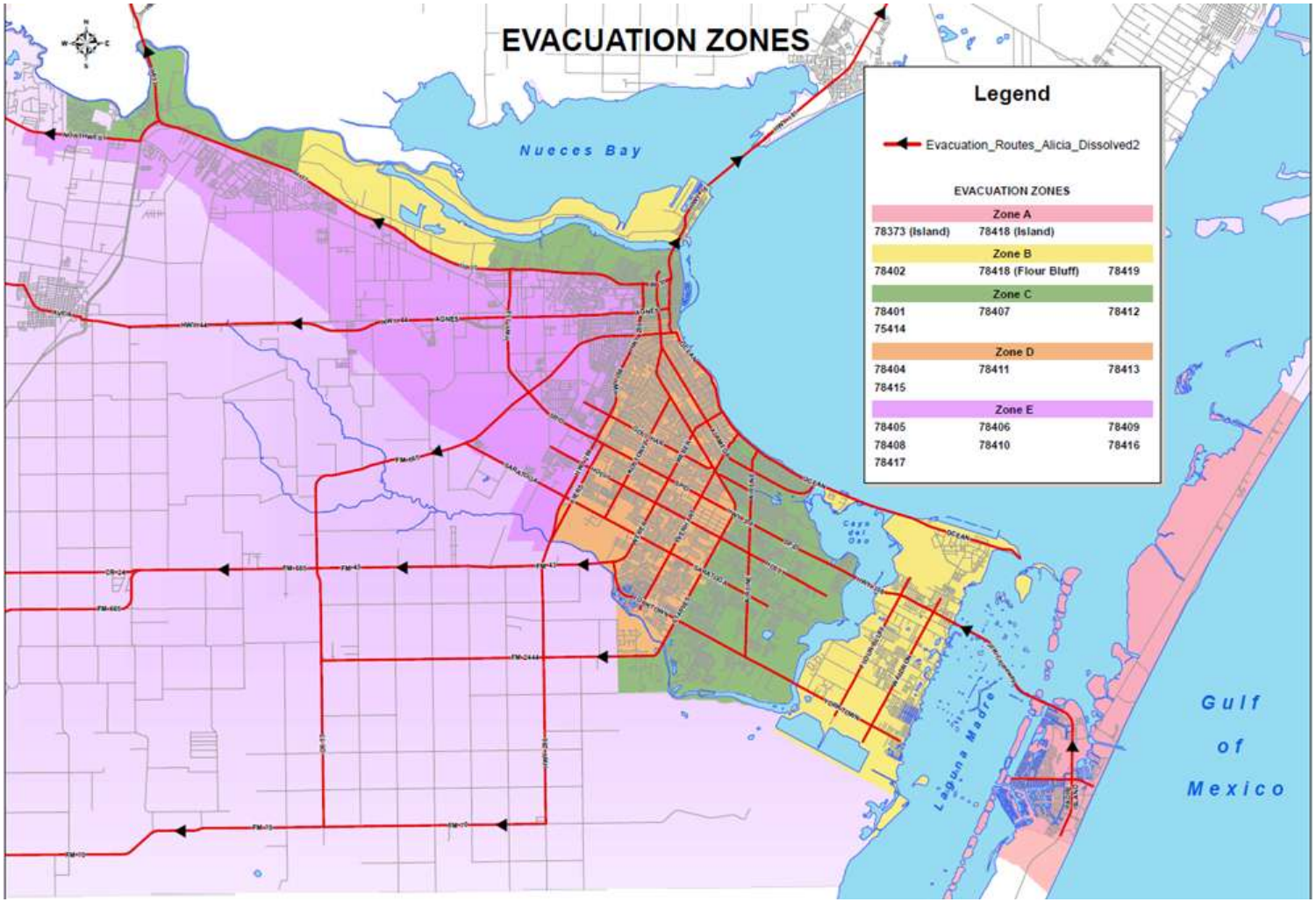
What items would you bring?

Cash?
Food/water? 3 day supply per person
Pet food?
Toys? DVD players? Games for young children?

Could this come in handy on a 16 hour drive in stop and go traffic??

What is best for you and your family?

EVACUATION ZONES



CONDITIONS OF READINESS

COR II: Destructive winds are anticipated within 24.

Personal preparation:

Your “GO” Kit should be already complete

EVACUATE WHEN ORDERED BY THE CO…….

An ordered evacuation by the Commanding Officer is an ORDER!!!

CONDITIONS OF READINESS

COR I: Destructive winds are anticipated within 12 hours

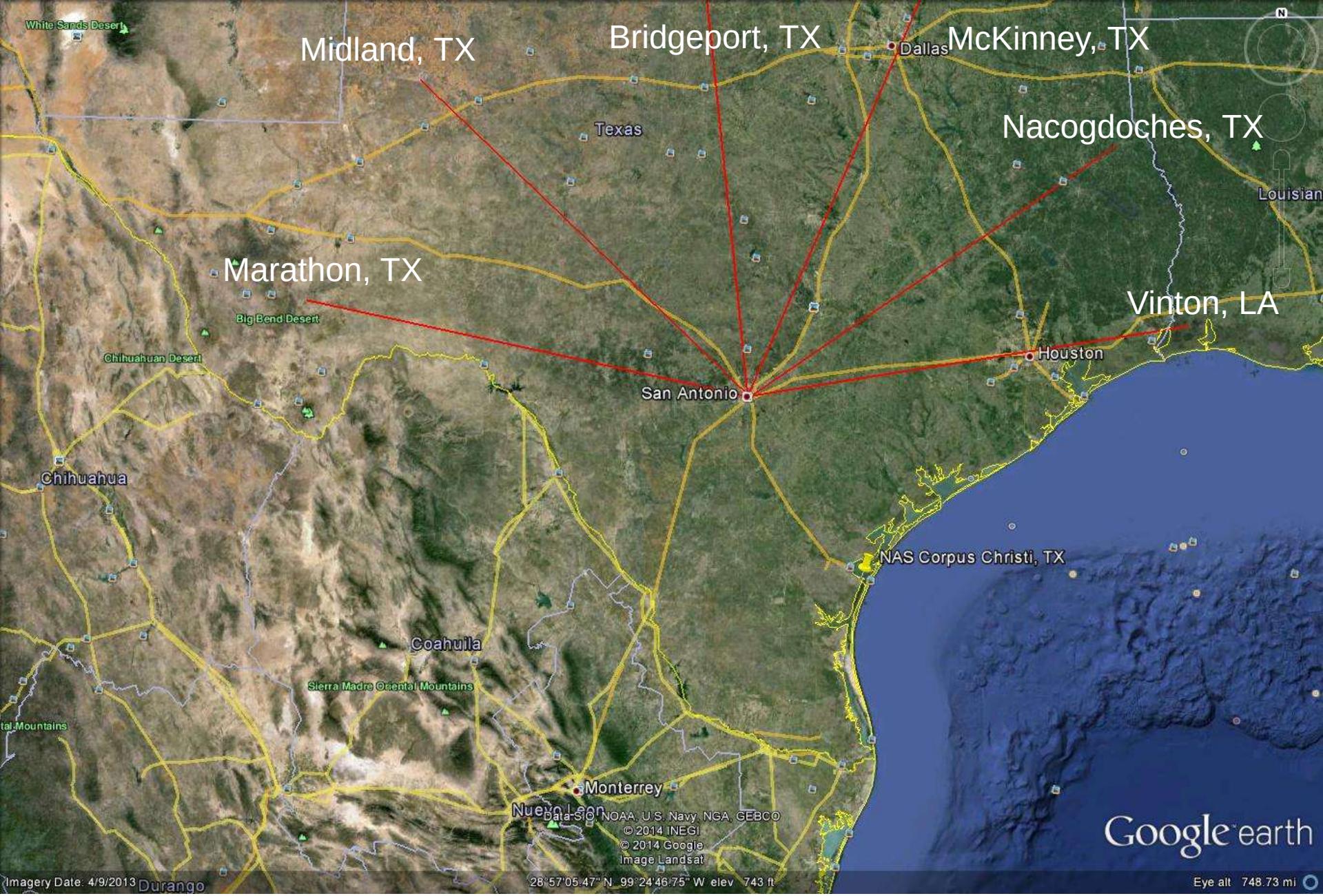
IF YOU HAVE NOT LEFT YET, …HUNKER DOWN…IF YOU LEAVE YOU MIGHT BE STUCK ON THE ROAD

-Your CO designates the Safe Haven

-NASCC safe haven is Joint Base San Antonio (JBSA)

-All reimbursements will be for the San Antonio rate = $176/day ($110/hotel & $66/MIE)

-Evacuation area is a 300 mile radius FROM San Antonio. All Military remain within a one day drive from JBSA.



Travel to Mexico during an evacuation is **NOT AUTHORIZED**?

Evacuation routes

- Most widely used route will be Interstate 37.
- There are 5 other routes to safety that emergency officials are hoping residents will consider instead of getting stuck in major congestion.
- The recommendation is to take the route that makes the most sense to you and your family.
- Determine where you want to go and what route you're going to take, plan ahead of time.

Evacuation routes

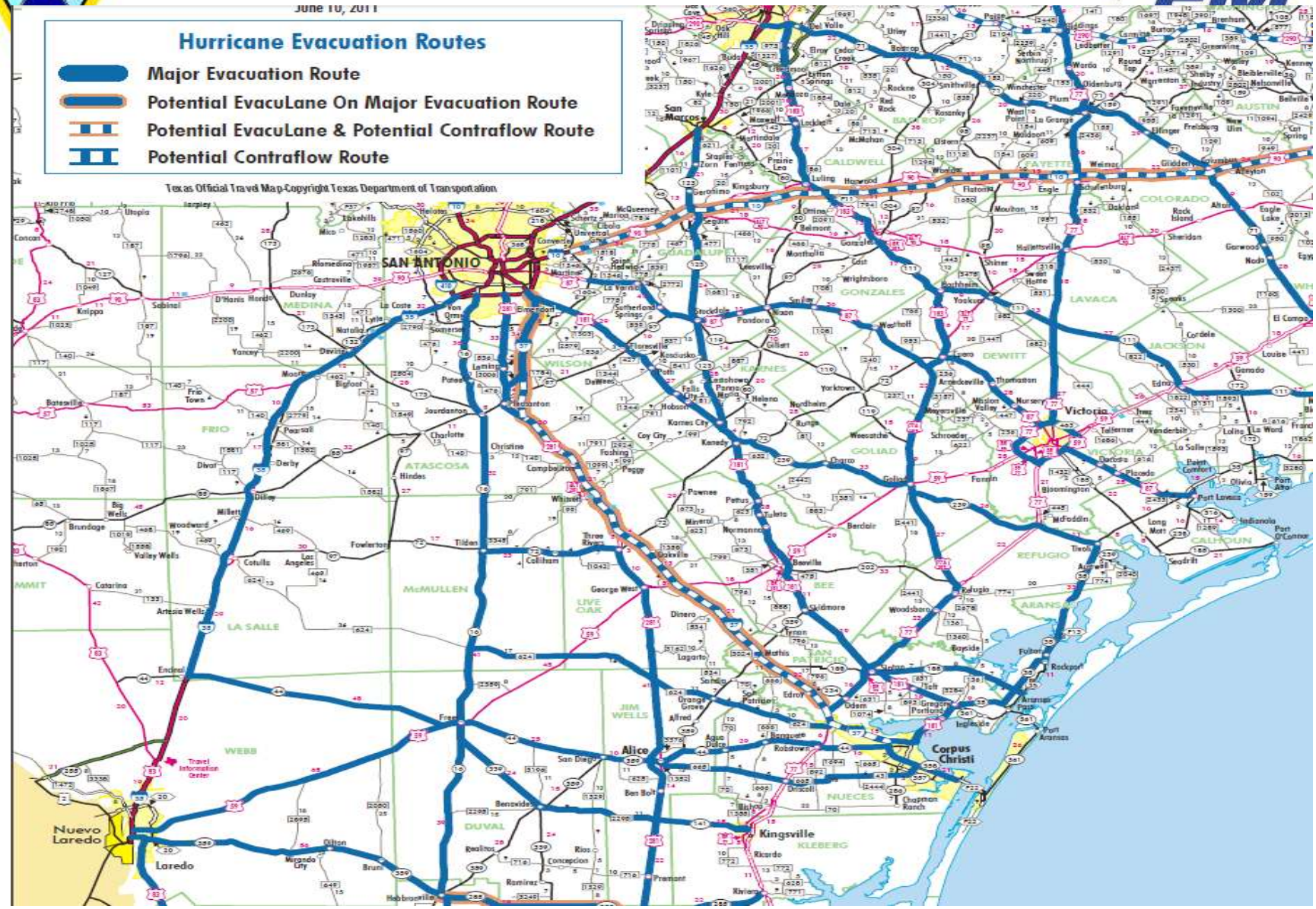
Evacuation Route F: I-37 Hurricane Lane/Contraflow Information

I-37/EVACULANE INFO
From NPID/SH 358 Hurricane lane is left berm.
Right Lane Must Exit at US 77 North
Past 77 North - Hurricane lane shifts to right lane
Hurricane Lane ends at US 281 in Pleasanton - Right lane must exit.

I-37/CONTRAFLOW INFO
Contraflow begins at SH 357 (NPID) and I-37
No trucks, vehicles with trailers, or high profile vehicles allowed in contra-flow lanes.
Contraflow ends at US 281 at Pleasanton

Cities/Landmarks	EXIT #					Miles	Total Miles
I-37 & NPID	4	-	-	-	-	0	0
		Contraflow Entrance					
Rand Morgan	9	X	-	-	-	5	5
		Contraflow Entrance					
Carbon Plant	10	-	-	-	-	1	6
		Contraflow EXIT ONLY					
McKinzie Rd.	11	-	-	-	-	1	7
		Contraflow Entrance					
Violet Rd	11	X	-	-	-	0	7
		Contraflow Entrance & EXIT					
Leopard St.	13	-	-	-	-	2	9
		Contraflow Entrance					
US 77S/I-37 Calallen	14	X	X	X	-	1	10
US 77 North	17	-	-	-	-	3	13
		Right lane must exit at US 77 North I-37 Contraflow Crossover					
Mathis	36	X	-	X	-	19	32
		SH: 359 Gas Oasis / Portable Restrooms / Contraflow Entrance & Exit					
Parking Area	41	-	-	-	X	5	37
George West US 59	56	X	-	X	-	20	52
		US 59: Gas Oasis / Portable Restrooms / Contraflow traffic may Exit					
Three Rivers TX 72	69	X	-	-	-	13	65
US 281 ALT	76	-	-	-	-	7	72
Rest Area	78	-	-	-	X	2	74
TX 99	83	X	-	X	-	7	79
Pleasanton US 281	104	X	X	X	-	5	100
		US 281: Hurricane Lane Ends - Right Lane Must Exit					
TX 97	109	-	-	-	-	5	105
		TX 97: Contraflow left lane traffic must Exit					
Picnic Area	112	-	-	-	X	3	108
FM 3006	113	-	-	-	-	1	109
		FM 3006: All Contraflow traffic must Exit					
Loop 1604	125	X	X	X	-	13	121

EVACUATION MAP



Navy Family Accountability and Assessment System

https://navyfamily.navy.mil

If a computer is not accessible, call the Navy Personnel Command Emergency Coordination Center (NPCECC) at 1-877-414-5358 or 1-866-297-1971 (TDD)

NASCC Information
Hot Line 1-877-378-8373

Hurricane Preparedness Resources

- NASCC Emergency Management 361-961-1725
- Command Info Line 1-877-378-8373
- American Red Cross: 1-877- 272-7337
- Navy marine Corps Relief: 361-961-3482
  NASCC EM : Emergency Management
- FEMA Website: www.fema.gov
- NFAAS Website: https://navyfamily.navy.mil
- Disaster Assistance: www.disasterassistance.gov
- City Of Corpus Christi: Ready - CC
- CNIC Preparedness: CNIC Emergency Management