

# EMWIN y RSS

## Taller de Operadores 2017



POR: DENYSE COLÓN LUGO

GEÓLOGA | ANALISTAS DE DATOS GEOFÍSICO

RED SÍSMICA DE PUERTO RICO

# | INTRODUCCIÓN: EMWIN

2

**EMWIN** Emergency **M**anagers **W**eather **I**nformation **N**etwork

Sistema que le permite a los usuarios a través de una computadora obtener información sobre el tiempo y avisos sobre desastres naturales como: huracanes, tsunamis, inundaciones, terremotos, etc.

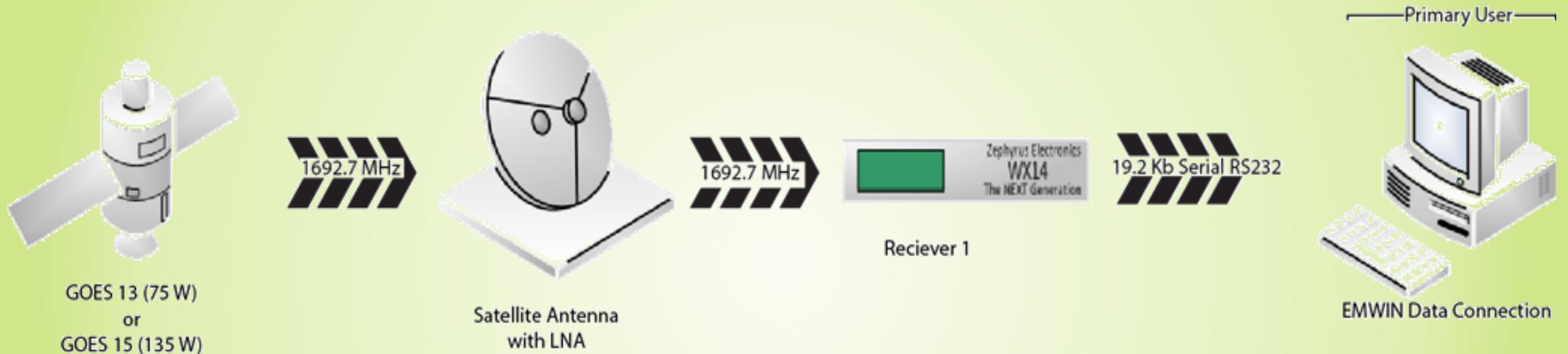
Se puede obtener la transmisión de data mediante internet, radio y satélite (frecuencia L) directamente desde el National Weather Service (NWS).

En caso de que las comunicaciones se inhabiliten entre agencias, sirve como fuente de información continua si se utiliza el satélite.

# | VENTAJAS DEL SISTEMA EMWIN

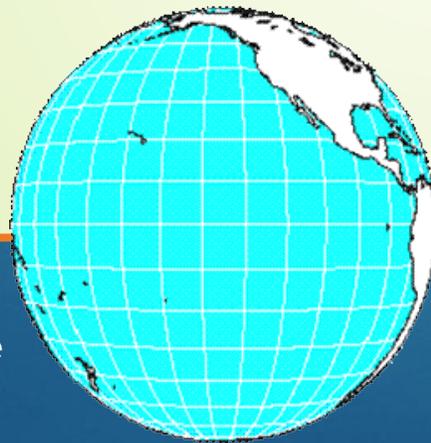
- ▶ Funciona 24/7
- ▶ La banda L (frecuencia) es a prueba del tiempo.
- ▶ El equipo y el software tienen un bajo costo.
- ▶ No hay costo de suscripción o cuota.

# | ¿CÓMO FUNCIONA?



Adapted from: Zephyrus Electronics, 2013  
 WX14 EMWIN Receiver System Manual  
 By: José F. Martínez Colón  
 Puerto Rico Seismic Network

GOES 15- Oeste

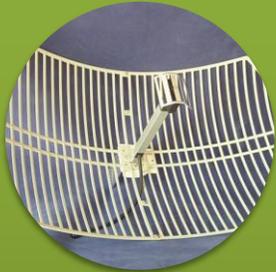


GOES 13- Este

# INSTALACIÓN DEL EMWIN

5

1



La antena

2



Ángulos de inclinación y elevación

3



El receptor

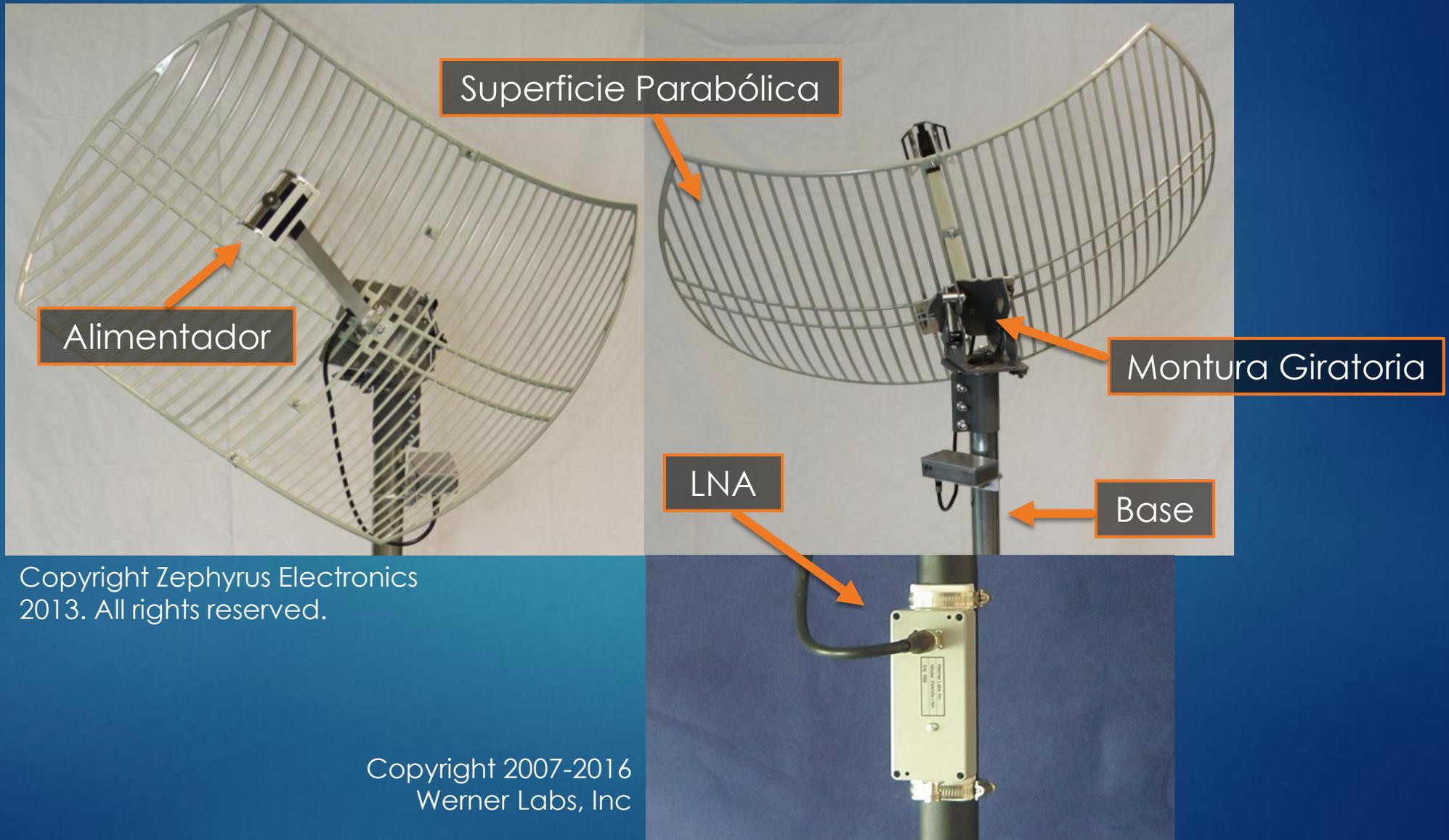
4



Weather Message Software



# 1 | LA ANTENA



Copyright Zephyrus Electronics  
2013. All rights reserved.

Copyright 2007-2016  
Werner Labs, Inc

# 1 | LA ANTENA



# 2 | ÁNGULOS DE INCLINACIÓN Y ELEVACIÓN

8



## Satellite Look Angle Calculator:

[http://www.groundcontrol.com/Satellite\\_Look\\_Angle\\_Calculator.htm](http://www.groundcontrol.com/Satellite_Look_Angle_Calculator.htm)

Products Service Areas ▾ Fixed Dish ▾ Mobile Dish ▾ Portable ▾ MCD-4800 ▾ BGAN ▾ M2M ▾ Solutions ▾ Support ▾ Contact Us ▾

Home > Support > Tools > Satellite Look Angle Calculator

## Satellite Look Angle Calculator

This tool helps find obstacles, such as trees and buildings, between a satellite dish installation location and an orbiting satellite. Type in **ANY** street or city address (globally), and the look angle calculator will zoom into an overhead aerial view of your installation location and draw a line showing the compass heading toward the satellite. It will also list the elevation angle (aka "look angle"), so you can locate a perfect installation location.

All that is needed is the satellite's name (or its "longitude"), and any installation address worldwide.

The Satellite Look Angle Calculator, developed by Dishpointer, has been partially down since November 21, 2013. The draw line to the satellite is not being included in the map below. You can help us by contacting Dishpointer [at this link](#) and stating how great this tool is, and to please fix the draw line.

Select satellite or longitude >  
Type in ANY installation address>  
Press "Enter" on keyboard

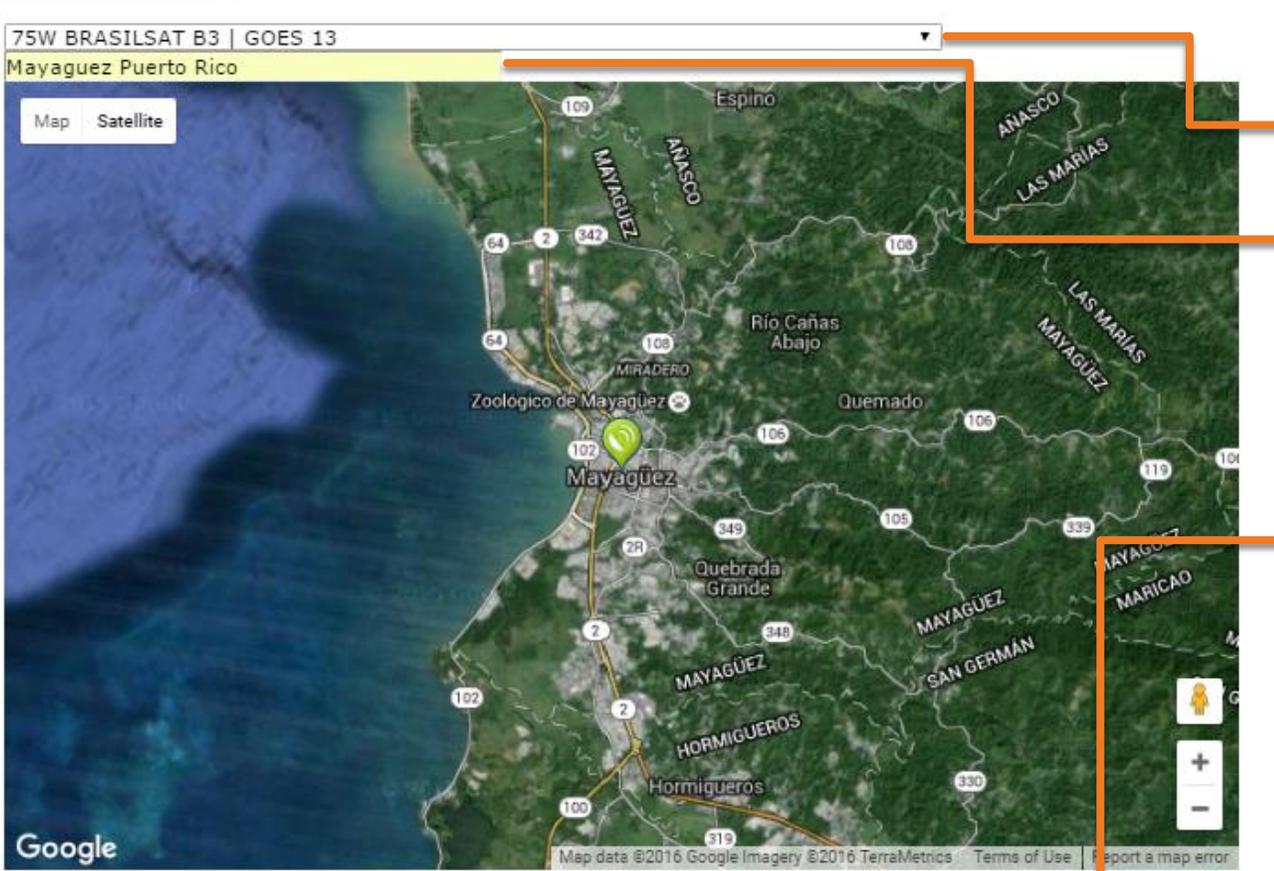
123W GALAXY 18 (G-18) ▾

North America



# 2 | ÁNGULOS DE INCLINACIÓN Y ELEVACIÓN

Select satellite or longitude >  
Type in ANY installation address >  
Press "Enter" on keyboard



## Input

Select Satellite: **GOES 13**

Type Address: **Mayaguez, PR**

## Output

**Dish**  
Elevation: 66.8°  
Azimuth: 204.0°  
LNB skew: 22.7°

[DishPointer iPhone apps](#)

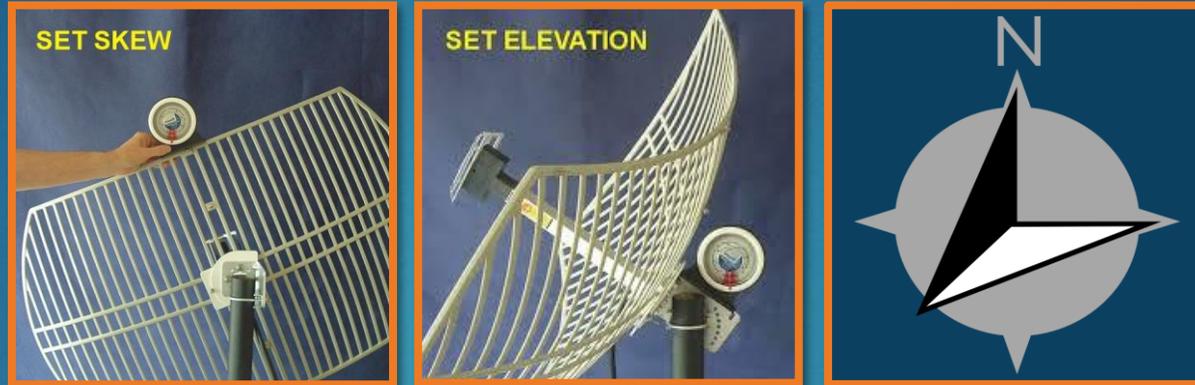
**Location**  
Latitude: 18.2013°  
Longitude: -67.1452°

**Dish**  
Elevation: 66.8°  
Azimuth: 204.0°  
LNB skew: 22.7°

**Elevation:** is how high from the horizon the satellite is (90° is vertical)  
**Azimuth:** is simply the compass heading to point the dish toward.  
**LNB skew:** is used for installers in fine tuning the LNB radio axis.  
**Location:** are the GPS coordinates (in decimal form) of the address.

# 2 | ÁNGULOS DE INCLINACIÓN Y ELEVACIÓN

10



<http://wernerlabsinc.com/files/Antenna%20assembly.pdf>

Con un  
clinómetro,  
fije el ángulo  
de  
polarización:

**22.7°**

De igual  
manera,  
ajuste el  
ángulo de  
elevación:

**66.8°**

Con una  
brújula, fije la  
antena con el  
ángulo de  
acimut  
relativo al  
norte  
magnético:

**204.0°**

# 3 | RECIBIDOR ZEPHYRUS WX-14

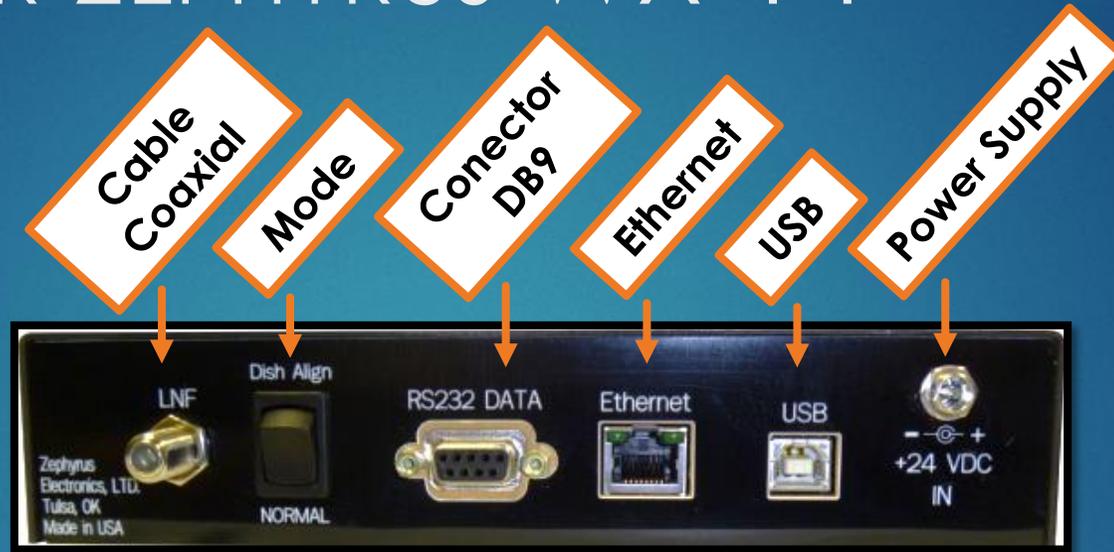
11



## ► Conecte:

1. el cable coaxial (que sale del LNA) al receptor
2. el conector DC (suministro de energía)
3. el extremo masculino del cable DB9 al conector DB9(RS232 Data) y el otro extremo, a la computadora

# 3 | RECIBIDOR ZEPHYRUS WX-14



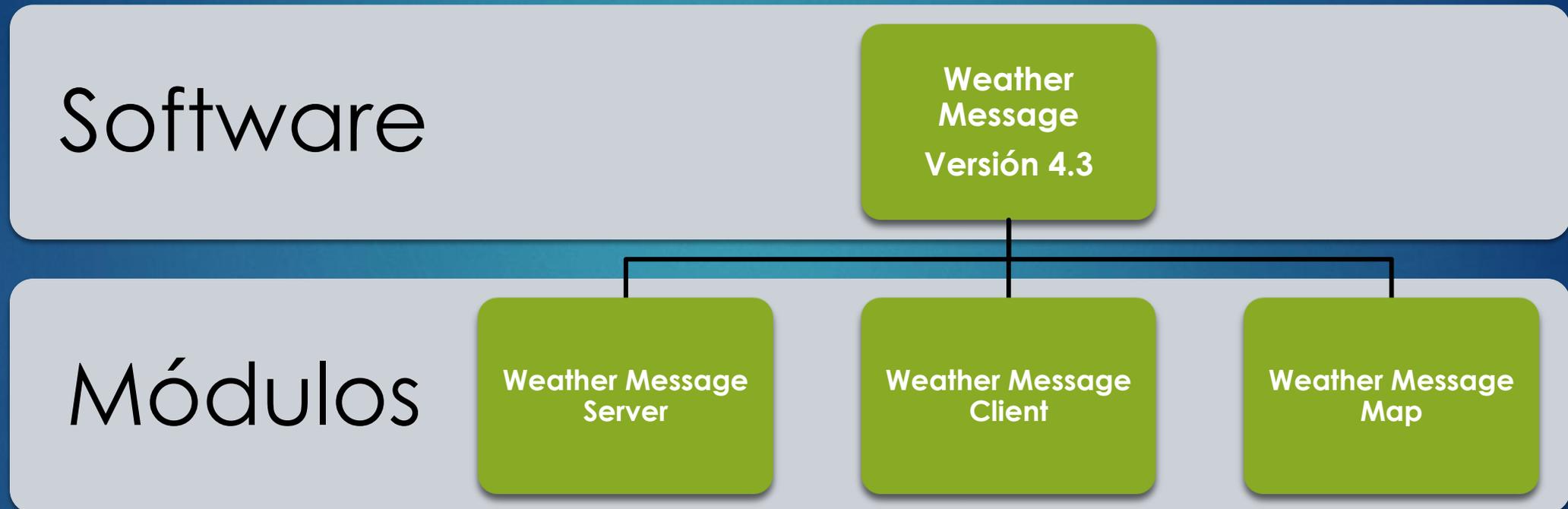
The image displays four LCD screens arranged in a 2x2 grid, showing the receiver's status. Orange lines connect the Dish Align and Normal modes to their respective signal status screens. The top-left screen shows 'Sx3: [signal bars]' and 'FLV [signal bars]' with the caption 'Dish Align Mode: Good Signal'. The top-right screen shows 'S:1.79 L 0:100' and 'System OK' with the caption 'Normal Mode: Good Signal'. The bottom-left screen shows 'Sx1: [signal bars]' and 'F' with the caption 'Dish Align Mode: No Signal'. The bottom-right screen shows 'S:0.70' and 'System OK' with the caption 'Normal Mode: No Signal'.

4 |  Weather Message Software



# 4 | WEATHER MESSAGE SOFTWARE

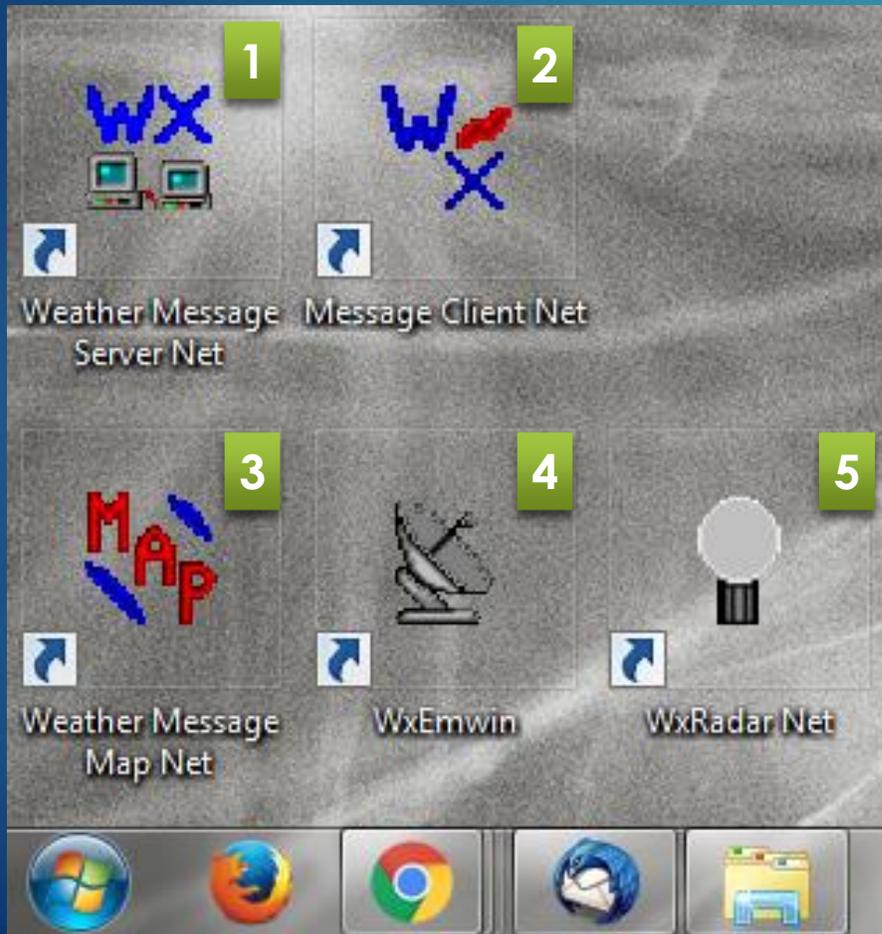
14



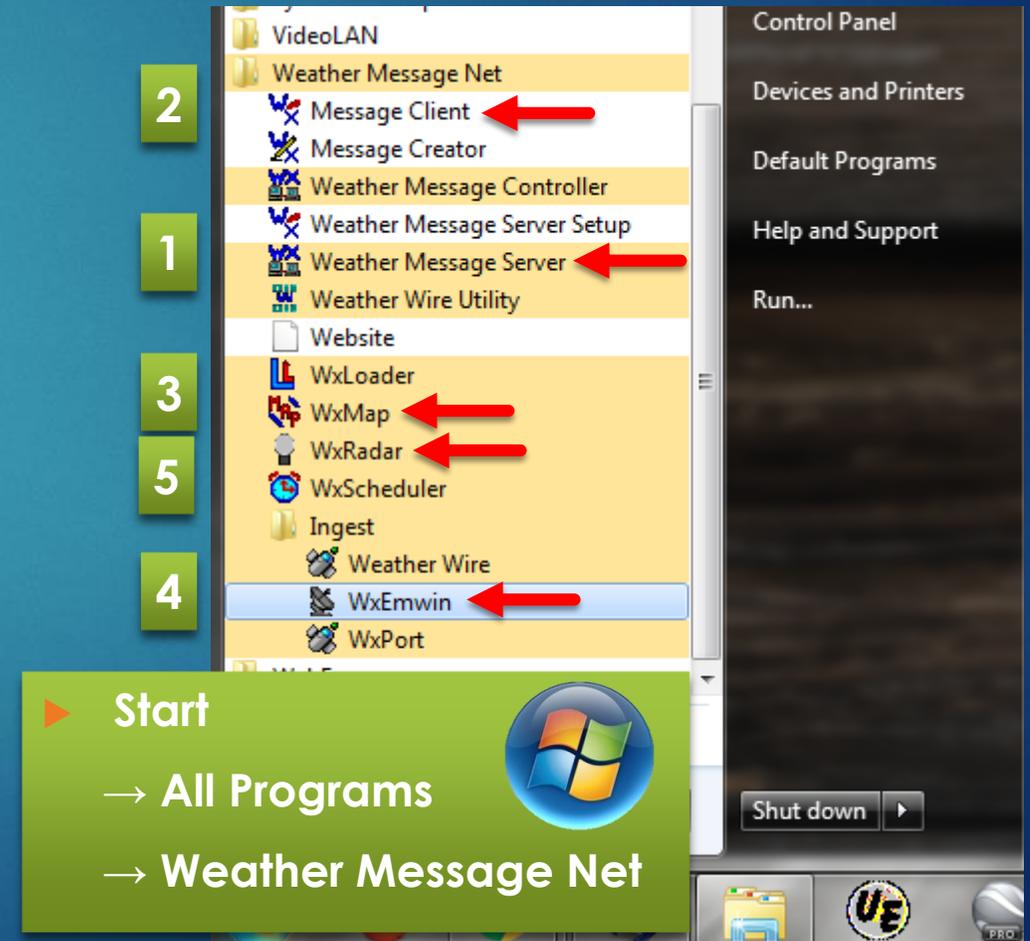
# 4 | WEATHER MESSAGE

¿Cómo se reinicia el programa Weather Message?

## Desktop



## Start Menu



### WxRadar

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:
  Topo
  Radar
  Counties
  Rivers
  Highways
  Cities
  Warnings
  Legend

1:00 AM - RADJUAPR.gif copied to ingest.

### Weather Message - Map

File Silence Map Views Save Image Help

Map Legend:

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Hurricane War
- High Wind Wat
- Marine Warnin
- Storm Watch
- Storm Warning
- Thunderstorm

PNS expired at 06/10/2016 00:00:00

Connected - Weather Message Server 117 1:01 AM

### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List

- FFGSJU
- CWFSJU
- FFGSJU
- TMASGX
- TMACDB
- TMALOX
- TMAAFC
- TMASNP
- TMAMFR
- TMAAJK
- TMAMTR
- TMASEW
- TMAAFG
- TMAMFR
- TMAPQR
- TMAEKA
- TSUAKI**
- TSUWCA**
- AFDSJU
- CWFSJU
- FFGSJU
- PNSSJU
- PNSSJU

**Flash Flood Guidance**

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE FLASH FLOODING IN FORECAST ZONES. LOWER AMOUNTS MAY CAUSE FLASH FLOODING IN URBAN OR MOUNTAINOUS AREAS.

.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:-----  
PRZ001 1.1/ 2.0/ 2.8  
PRZ002 1.1/ 2.0/ 2.8  
PRZ003 1.1/ 2.0/ 2.8  
PRZ004 1.1/ 2.0/ 2.8  
PRZ005 1.4/ 1.9/ 2.5  
PRZ006 1.4/ 1.9/ 2.5  
PRZ007 1.4/ 1.9/ 2.5  
PRZ008 1.4/ 1.9/ 2.5  
PRZ009 1.4/ 1.9/ 2.5  
PRZ010 1.4/ 1.9/ 2.5  
PRZ011 1.4/ 1.9/ 2.5  
PRZ012 1.8/ 2.8/ 3.9  
PRZ013 1.8/ 2.8/ 3.9  
VIZ001 2.0/ 3.2/ 4.4  
VIZ002 2.0/ 3.0/ 4.2  
.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
-----Coastal Waters Forecast-----  
FZCA52 TJSJ 091955  
CWFSJU  
  
COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
355 PM AST THU JUN 9 2016  
  
PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS  
  
SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.  
  
AMZ700-100815-  
355 PM AST THU JUN 9 2016  
  
.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL  
EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS  
WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW  
INTO THE BEGINNING OF NEXT WEEK.  
\$\$

Connected - Weather Message Server Silence 1:01 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File: AIRJ20FJ.TXT Block: 1 of 1 File Size: 1024

Port: Com2 Packet Length: 0

Total Blocks: 3992 Bad Header: 2

Bad Blocks: 3 Check Sum: 1

Error Percent: 0.1 Block Count: 1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server 4.3

File Help

Processing

File: AIRF01FJ.TXT  
Office: NFFN  
Date: 100000  
Local: 06/10/2016 00:00  
WMO: UPFJ01  
AWIPS: UPFJ01

Duplicate Message Received

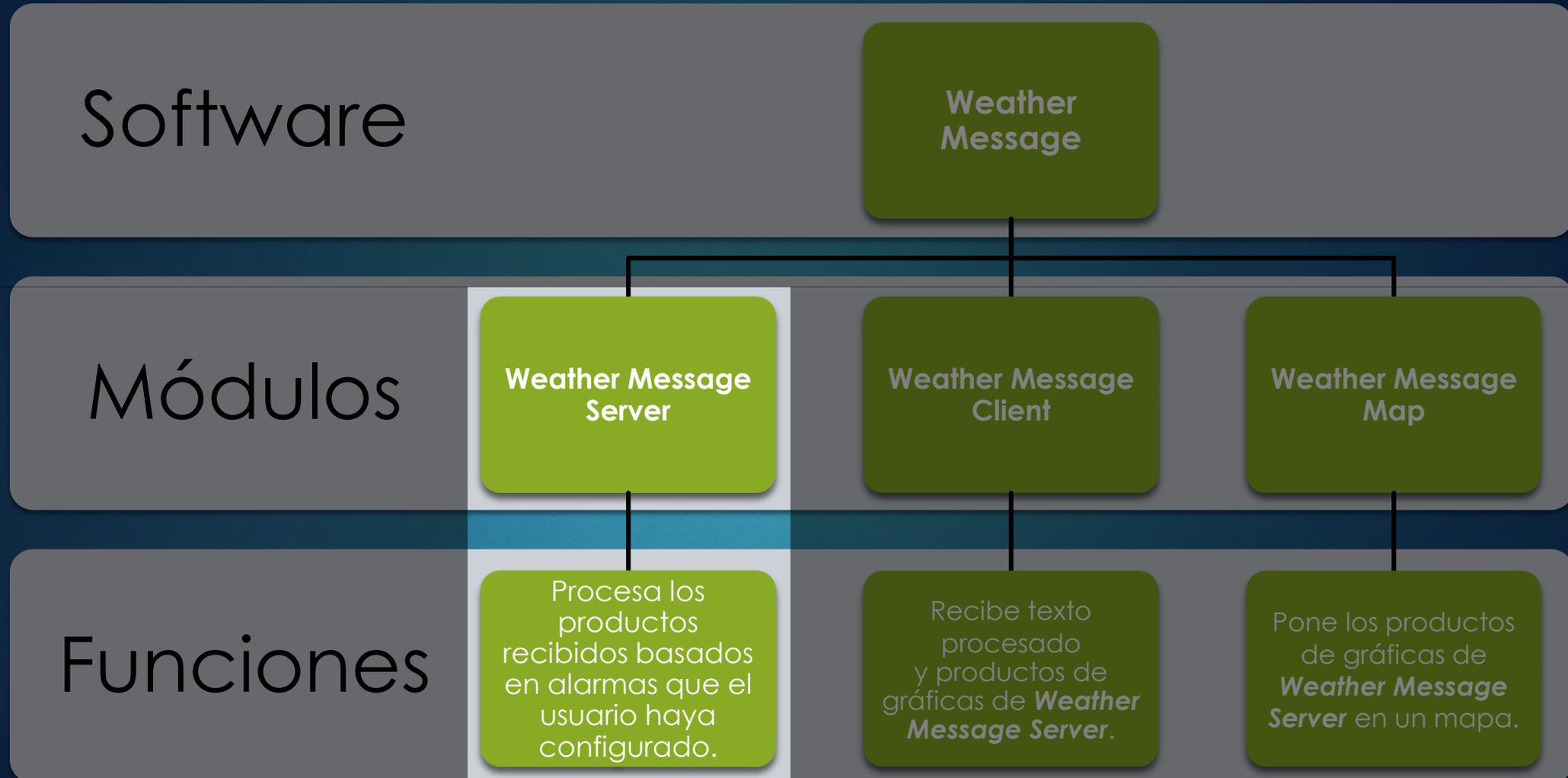
Processing File Name: \\RXFILES\AIRF01FJ.TXT

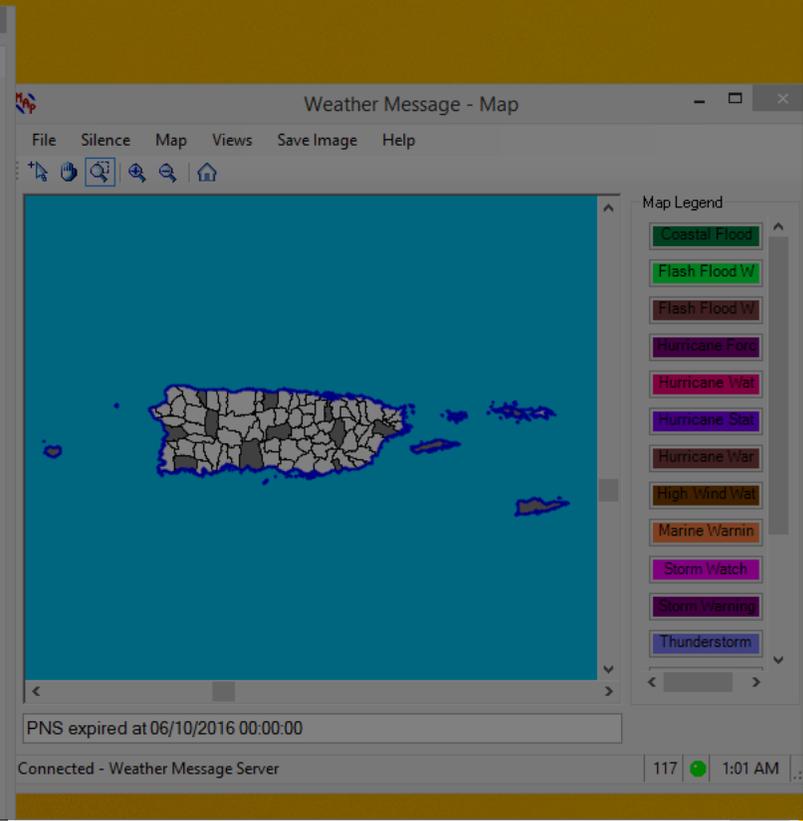
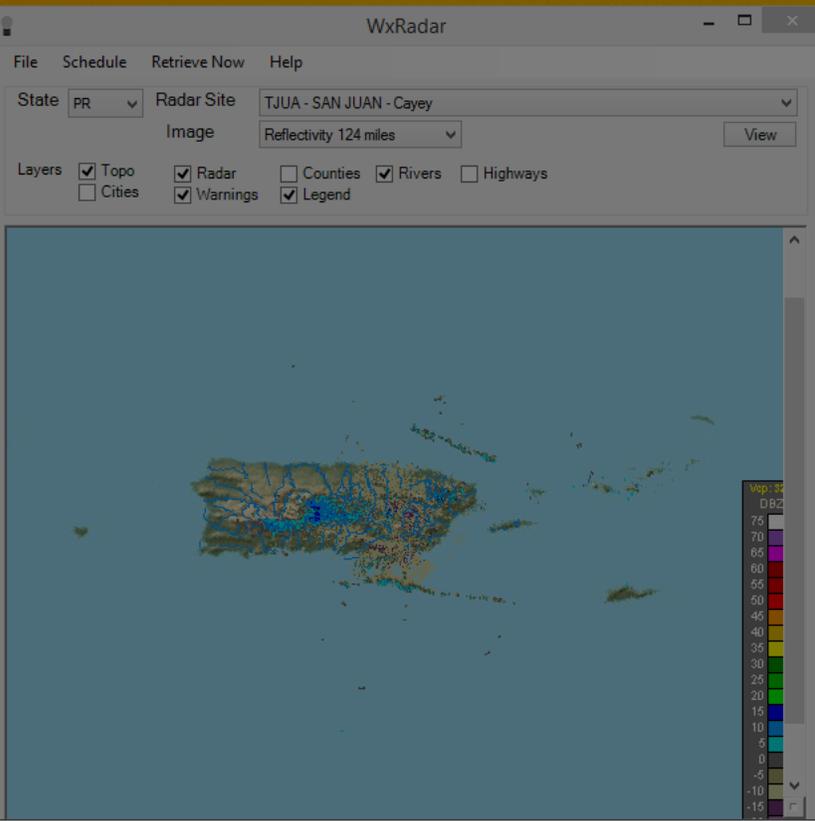
Processed: 3238/0 Message Clients: 2  
Alarm File: 1 Map Clients: 2

Status: TCP/IP  
Connection Closed: 208.64.252.230  
Email  
Sent Email to Group ANALISTAS-ALL  
Fax  
Loaded Settings  
Page  
Loaded Settings  
Image  
Loaded Settings  
X10  
Archive / FTP  
Receive File Error Connection failed: A connectio  
Print

# 4 | WEATHER MESSAGE SOFTWARE

17





### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List: Live Request Alarms

Flash Flood Guidance

FOUS62 KALR 100043  
 FFGSJU  
 COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
 NATIONAL WEATHER SERVICE  
 SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
 841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE FLASH FLOODING IN FORECAST ZONES. LOWER AMOUNTS MAY CAUSE FLASH FLOODING IN URBAN OR MOUNTAINOUS AREAS.

.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PPQCF  
 :IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
 :  
 :IDENT 1HR 3HR 6HR ZONE NAME  
 :-----  
 PRZ001 1.1/ 2.0/ 2.8  
 PRZ002 1.1/ 2.0/ 2.8  
 PRZ003 1.1/ 2.0/ 2.8  
 PRZ004 1.1/ 2.0/ 2.8  
 PRZ005 1.4/ 1.9/ 2.5  
 PRZ006 1.4/ 1.9/ 2.5  
 PRZ007 1.4/ 1.9/ 2.5  
 PRZ008 1.4/ 1.9/ 2.5  
 PRZ009 1.4/ 1.9/ 2.5  
 PRZ010 1.4/ 1.9/ 2.5  
 PRZ011 1.4/ 1.9/ 2.5  
 PRZ012 1.8/ 2.8/ 3.9  
 PRZ013 1.8/ 2.8/ 3.9  
 VIZ001 2.0/ 3.2/ 4.4  
 VIZ002 2.0/ 3.0/ 4.2  
 .END  
 \$\$  
 S.E.R.F.C. 770-486-0028 or 770-282-2112  
 Regular Hours 6am-11pm Eastern Time  
 After Hours Please Follow Callback Instructions  
 -----Coastal Waters Forecast-----  
 FZCA52 TJSJ 091955  
 CWFSJU  
 COASTAL WATERS FORECAST  
 NATIONAL WEATHER SERVICE SAN JUAN PR  
 355 PM AST THU JUN 9 2016  
 PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS  
 SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.  
 AMZ700-100815-  
 355 PM AST THU JUN 9 2016  
 .SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
 SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW INTO THE BEGINNING OF NEXT WEEK.  
 \$\$

Connected - Weather Message Server Silence 1:01 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AIRJ20FJ.TXT	1 of 1	1024

Port	Com2	Packet Length	0
Total Blocks	3992	Bad Header	2
Bad Blocks	3	Check Sum	1
Error Percent	0.1	Block Count	1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server - 4.0

File Help

Processing

File : AIRF01FJ.TXT  
 Office: NFFN  
 Date : 100000  
 Local : 06/10/2016 00:00  
 WMO : UPFJ01  
 AWIPS : UPFJ01  
 :

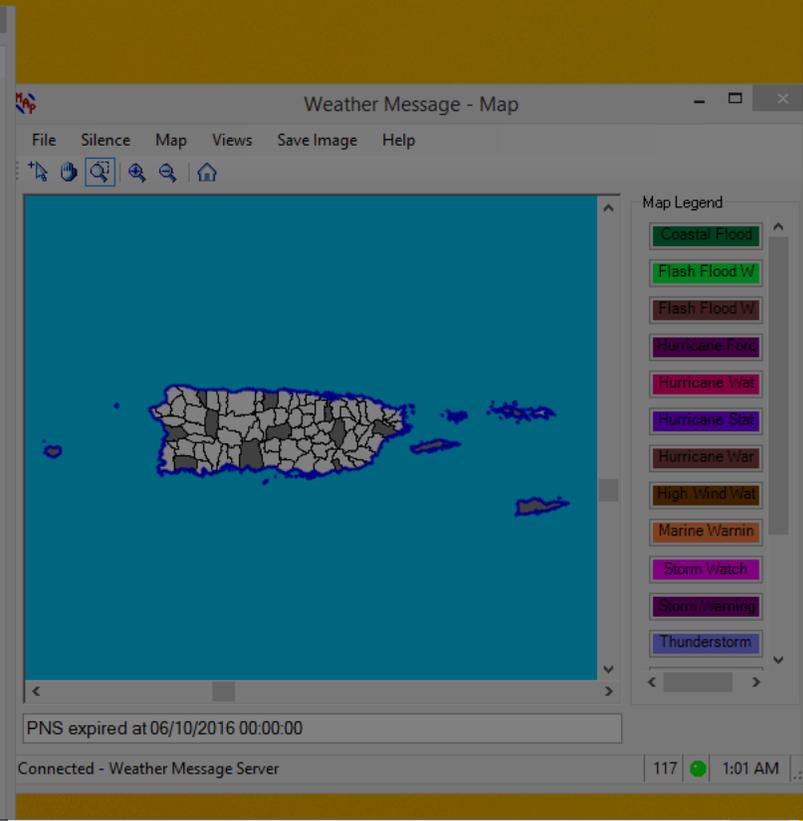
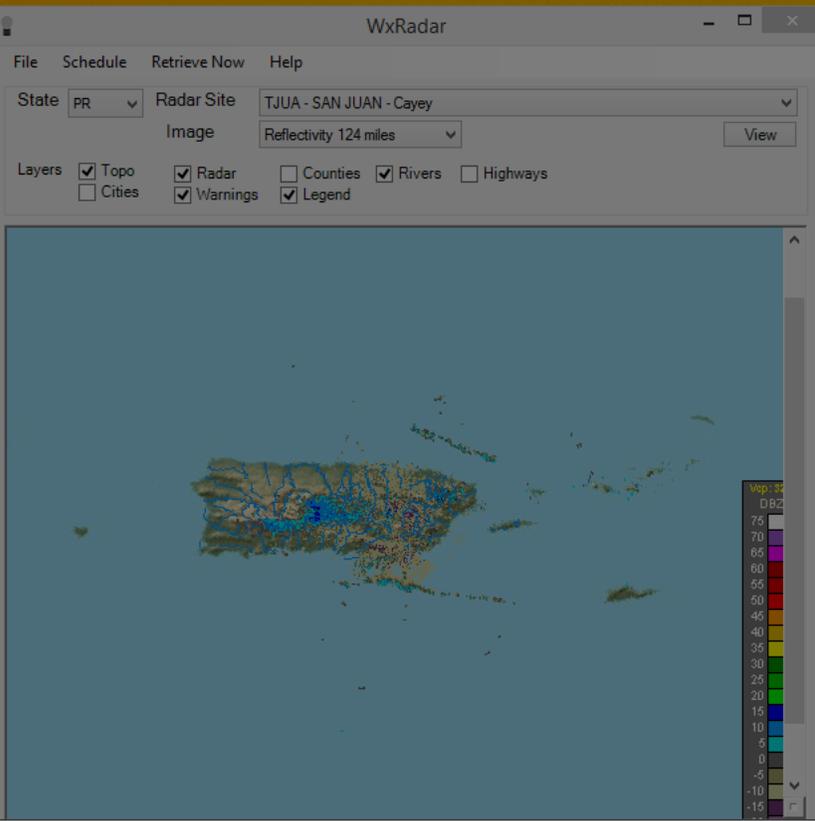
Duplicate Message Received

Processing File Name  
 ..\RXFILES\AIRF01FJ.TXT

Processed 3238/0 Message Clients 2  
 Alarm File 1 Map Clients 2

Status  
 TCP/IP  
 Connection Closed: 208.64.252.230  
 Email  
 Sent Email to Group ANALISTAS-ALL  
 Fax  
 Loaded Settings  
 Page  
 Loaded Settings  
 Image  
 Loaded Settings  
 X10  
 Archive / FTP  
 Receive File Error Connection failed: A connectio  
 Print

Connected - Weather Message Server Silence 1:01 AM



### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List: Live Request Alarms

Flash Flood Guidance

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

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:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:-----  
PRZ001 1.1/ 2.0/ 2.8  
PRZ002 1.1/ 2.0/ 2.8  
PRZ003 1.1/ 2.0/ 2.8  
PRZ004 1.1/ 2.0/ 2.8  
PRZ005 1.4/ 1.9/ 2.5  
PRZ006 1.4/ 1.9/ 2.5  
PRZ007 1.4/ 1.9/ 2.5  
PRZ008 1.4/ 1.9/ 2.5  
PRZ009 1.4/ 1.9/ 2.5  
PRZ010 1.4/ 1.9/ 2.5  
PRZ011 1.4/ 1.9/ 2.5  
PRZ012 1.8/ 2.8/ 3.9  
PRZ013 1.8/ 2.8/ 3.9  
VIZ001 2.0/ 3.2/ 4.4  
VIZ002 2.0/ 3.0/ 4.2  
.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
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FZCA52 TJSJ 091955  
CWFSJU  
  
COASTAL WATERS FORECAST  
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\$\*

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File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AIRJ20FJ.TXT	1 of 1	1024

Port	Packet Length
Com2	0

Total Blocks	Bad Header
3992	2

Bad Blocks	Check Sum
3	1

Error Percent	Block Count
0.1	1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server - 4.0

File Help

- Setup
- View Connections
- Clear Errors
- View Logfile
- View Email Log
- View Pager Log
- View Fax Log
- FTP Ingest
- Show Ingest
- Exit

Path: ...RXFILES\AIRF01FJ.TXT

Processed: 3238/0 Message Clients: 2  
Alarm File: 1 Map Clients: 2

Status: TCP/IP  
Connection Closed: 208.64.252.230  
Email: Sent Email to Group ANALISTAS-ALL  
Fax: Loaded Settings  
Page: Loaded Settings  
Image: Loaded Settings  
X10:   
Archive / FTP: Receive File Error Connection failed: A connectio  
Print

Connected - Weather Message Server

Silence 1:01 AM

### WxRadar

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:
  Topo
  Radar
  Counties
  Rivers
  Highways
  Cities
  Warnings
  Legend

1:00 AM - RADJUAPR.gif copied to ingest.

### Weather Message - Map

File Silence Map Views Save Image Help

Map Legend:

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Hurricane War
- High Wind War
- Marine Warnin
- Storm Watch
- Storm Warning
- Thunderstorm

PNS expired at 06/10/2016 00:00:00

Connected - Weather Message Server 117 1:01 AM

### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List

- FFGSJU
- CWFSJU
- FFGSJU
- TMASGX
- TMACDB
- TMALOX
- TMAAFC
- TMASNP
- TMAMFR
- TMAAJK
- TMAMTR
- TMASEW
- TMAAFG
- TMAMFR
- TMAPQR
- TMAEKA
- TSUAKI**
- TSUWCA**
- AFDSJU
- CWFSJU
- FFGSJU
- PNSSJU
- PNSSJU

**Flash Flood Guidance**

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

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.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:=====

IDENT	1HR	3HR	6HR	ZONE NAME
PRZ001	1.1/	2.0/	2.8	
PRZ002	1.1/	2.0/	2.8	
PRZ003	1.1/	2.0/	2.8	
PRZ004	1.1/	2.0/	2.8	
PRZ005	1.4/	1.9/	2.5	
PRZ006	1.4/	1.9/	2.5	
PRZ007	1.4/	1.9/	2.5	
PRZ008	1.4/	1.9/	2.5	
PRZ009	1.4/	1.9/	2.5	
PRZ010	1.4/	1.9/	2.5	
PRZ011	1.4/	1.9/	2.5	
PRZ012	1.8/	2.8/	3.9	
PRZ013	1.8/	2.8/	3.9	
VIZ001	2.0/	3.2/	4.4	
VIZ002	2.0/	3.0/	4.2	

.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions

Coastal Waters Forecast

FZCA52 TJSJ 091955  
CWFSJU

COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
355 PM AST THU JUN 9 2016

PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS

SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.

AMZ700-100815-  
355 PM AST THU JUN 9 2016

.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL  
EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS  
WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW  
INTO THE BEGINNING OF NEXT WEEK.

\$\$

Connected - Weather Message Server Silence 1:01 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File: AIRJ20FJ.TXT Block: 1 of 1 File Size: 1024

Port: Com2 Packet Length: 0

Total Blocks: 3992 Bad Header: 2

Bad Blocks: 3 Check Sum: 1

Error Percent: 0.1 Block Count: 1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server - 4.0

File Help

Processing

File: AIRF01FJ.TXT  
Office: NFFN  
Date: 100000  
Local: 06/10/2016 00:00  
WMO: UPPFJ01  
AWIPS: UPPFJ01

Duplicate Message Received

Processing File Name: \\RXFILES\AIRF01FJ.TXT

Processed: 3238/0 Message Clients: 2  
Alarm File: 1 Map Clients: 2

Status: TCP/IP  
Connection Closed: 208.64.252.230  
Email: Sent Email to Group ANALISTAS-ALL  
Fax: Loaded Settings  
Page: Loaded Settings  
Image: Loaded Settings  
X10:   
Archive / FTP:   
Receive File Error Connection failed: A connectio  
Print

Coastal Waters Forecast

FZCA52 TJSJ 091955  
CWFSJU

COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
355 PM AST THU JUN 9 2016

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AMZ700-100815-  
355 PM AST THU JUN 9 2016

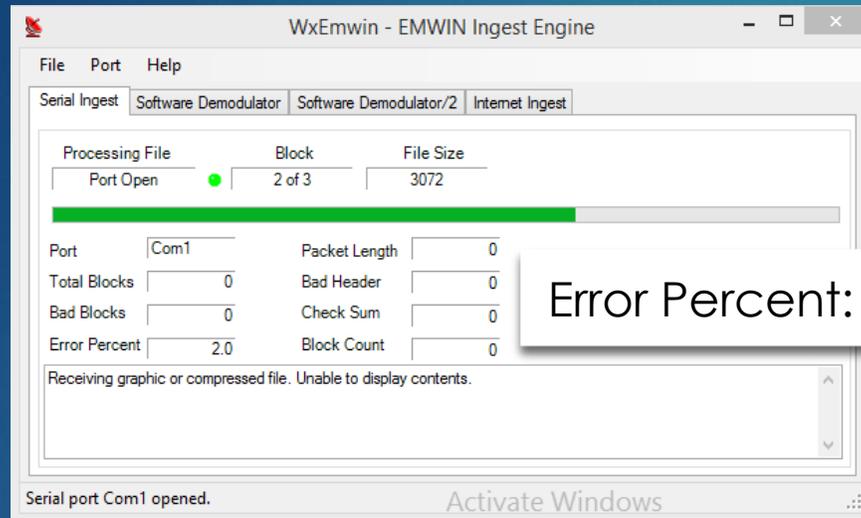
.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL  
EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS  
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INTO THE BEGINNING OF NEXT WEEK.

\$\$

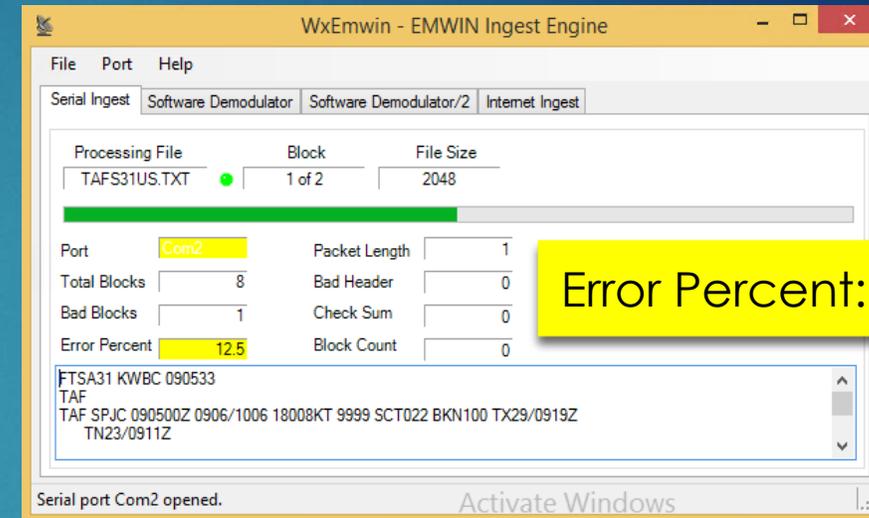
Connected - Weather Message Server Silence 1:01 AM

# 4 | WEATHER MESSAGE SOFTWARE

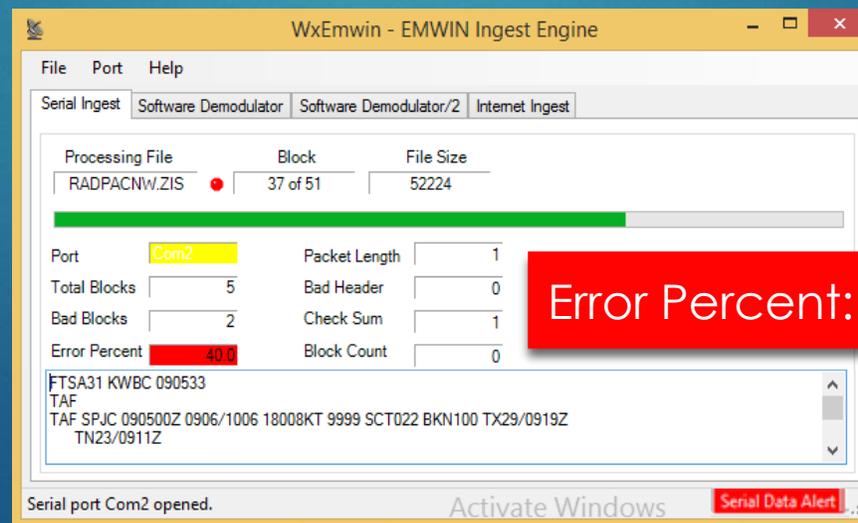
- Para asegurarse que **Weather Message Server** está recibiendo data:



Error Percent: <10.0



Error Percent: 10.0 a 20.0

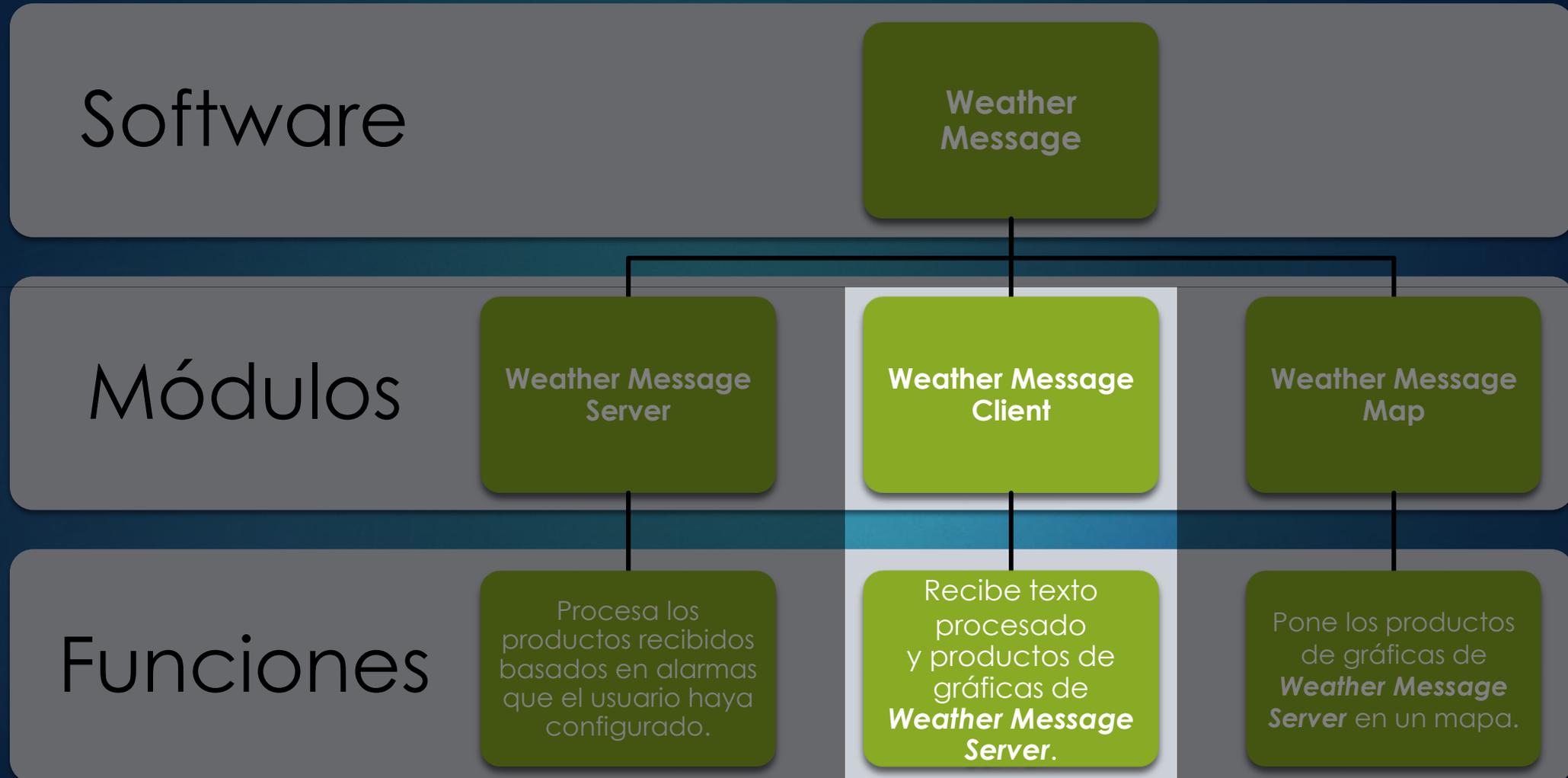


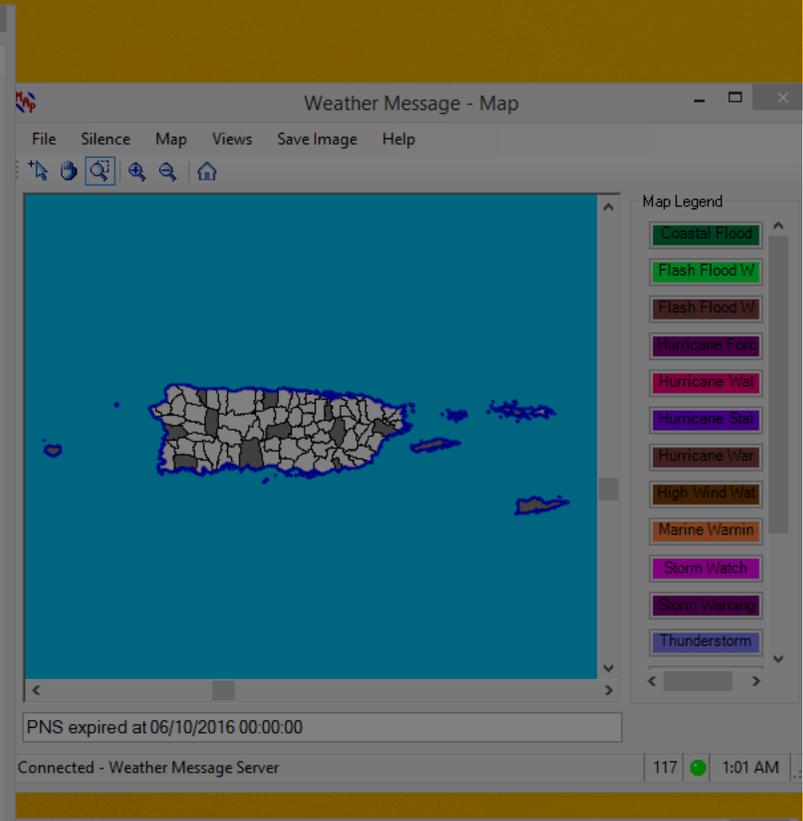
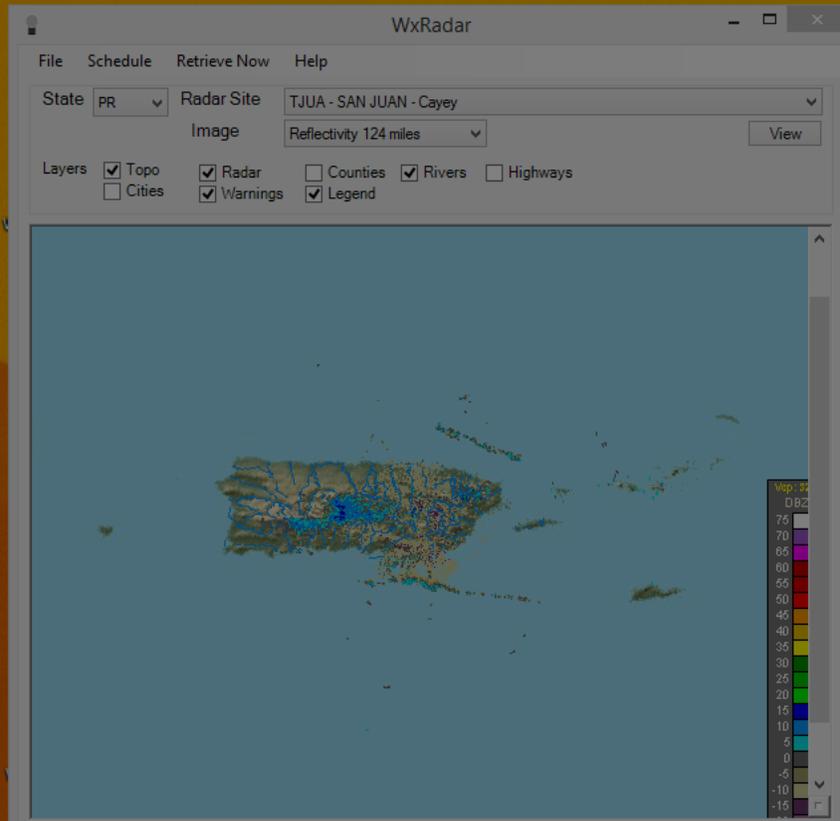
Error Percent: >20.0

Serial Data Alert

# 4 | WEATHER MESSAGE SOFTWARE

22





1:00 AM - RADJUAPR.gif copied to ingest.

WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AIRJ20FJ.TXT	1 of 1	1024

Port	Packet Length
Com2	0

Total Blocks	Bad Header
3992	2

Bad Blocks	Check Sum
3	1

Error Percent	Block Count
0.1	1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

Weather Message Server - 4.0

File Help

Processing	Status
File : AIRF01FJ.TXT	TCP/IP
Office: NFFN	Connection Closed: 208.64.252.230
Date : 100000	Email
Local : 06/10/2016 00:00	Sent Email to Group ANALISTAS-ALL
WMO : UPFJ01	Fax
AWIPS : UPFJ01	Loaded Settings
	Page
	Loaded Settings
	Image
	Loaded Settings
	X10
	Archive / FTP
	Receive File Error Connection failed: A connectio
	Print

Duplicate Message Received

Processing File Name  
...R\FILES\AIRF01FJ.TXT

Processed 3238/0 Message Clients 2  
Alarm File 1 Map Clients 2

Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

Tornado

Product List Live Request Alarms

Flash Flood Guidance

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE  
ES. LOWER AMOUNTS MAY CAUSE  
CONTINUOUS AREAS.

100041 /DUE/PPHCF/PPTCF/PRQCF  
Z FOR ZONE, 3-DIGIT ZONE NUMBER  
NAME

Product	1.1/	2.0/	2.8
PRZ001	1.1/	2.0/	2.8
PRZ002	1.1/	2.0/	2.8
PRZ003	1.1/	2.0/	2.8
PRZ004	1.1/	2.0/	2.8
PRZ005	1.4/	1.9/	2.5
PRZ006	1.4/	1.9/	2.5
PRZ007	1.4/		
PRZ008	1.4/		
PRZ009	1.4/		
PRZ010	1.4/		
PRZ011	1.4/		
PRZ012	1.8/		
PRZ013	1.8/		
VIZ001	2.0/		
VIZ002	2.0/	3.0/	4.2

END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
Coastal Waters Forecast

FZCA52 TJSJ 091955  
CWA...

SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3  
OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST  
10 PERCENT OF THE SEAS.

AMZ700-100815-  
355 PM AST THU JUN 9 2016

.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL  
EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS  
WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW  
INTO THE BEGINNING OF NEXT WEEK.

Activate Windows  
Go to PC settings to activate Windows.

Connected - Weather Message Server

Silence 1:01 AM

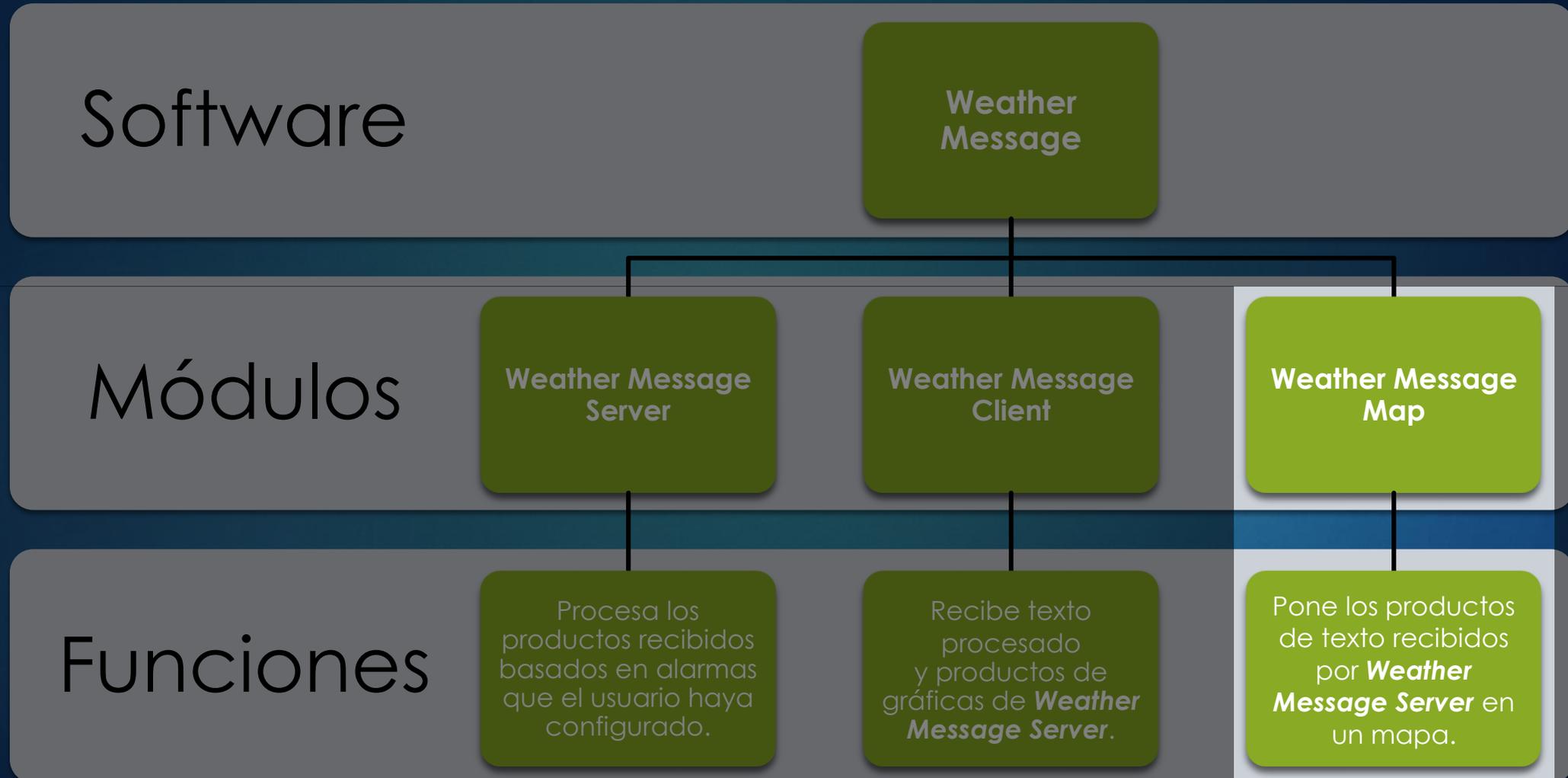
Productos de Texto

Contenido del Producto en Texto

Productos Gráficos

# 4 | WEATHER MESSAGE SOFTWARE

24



### WxRadar

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:
  Topo
  Radar
  Counties
  Rivers
  Highways
  Cities
  Warnings
  Legend

1:00 AM - RADJUAPR.gif copied to ingest.

### Weather Message - Map

File Silence Map Views Save Image Help

Map Legend:
 

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Hurricane War
- High Wind Wat
- Marine Warnin
- Storm Watch
- Storm Warning
- Thunderstorm

PNS expired at 06/10/2016 00:00:00

Connected - Weather Message Server 117 1:01 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AIRJ20FJ.TXT	1 of 1	1024

Port	Packet Length
Com2	0

Total Blocks	Bad Header
3992	2

Bad Blocks	Check Sum
3	1

Error Percent	Block Count
0.1	1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server - 4.0

File Help

Processing

File: AIRF01FJ.TXT  
Office: NFFN  
Date: 100000  
Local: 06/10/2016 00:00  
WMO: UPFJ01  
AWIPS: UPFJ01

Duplicate Message Received

Processing File Name: \\RXFILES\AIRF01FJ.TXT

Processed: 3238/0 Message Clients: 2  
Alarm File: 1 Map Clients: 2

Status: TCP/IP  
Connection Closed: 208.64.252.230  
Email: Sent Email to Group ANALISTAS-ALL  
Fax: Loaded Settings  
Page: Loaded Settings  
Image: Loaded Settings  
X10:   
Archive / FTP:   
Receive File Error Connection failed: A connectio  
Print

### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

Product List: Live Request Alarms

**Flash Flood Guidance**

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE FLASH FLOODING IN FORECAST ZONES. LOWER AMOUNTS MAY CAUSE FLASH FLOODING IN URBAN OR MOUNTAINOUS AREAS.

.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:-----  
:-----  
PRZ001 1.1/ 2.0/ 2.8  
PRZ002 1.1/ 2.0/ 2.8  
PRZ003 1.1/ 2.0/ 2.8  
PRZ004 1.1/ 2.0/ 2.8  
PRZ005 1.4/ 1.9/ 2.5  
PRZ006 1.4/ 1.9/ 2.5  
PRZ007 1.4/ 1.9/ 2.5  
PRZ008 1.4/ 1.9/ 2.5  
PRZ009 1.4/ 1.9/ 2.5  
PRZ010 1.4/ 1.9/ 2.5  
PRZ011 1.4/ 1.9/ 2.5  
PRZ012 1.8/ 2.8/ 3.9  
PRZ013 1.8/ 2.8/ 3.9  
VIZ001 2.0/ 3.2/ 4.4  
VIZ002 2.0/ 3.0/ 4.2  
.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
-----Coastal Waters Forecast-----  
FZCA52 TJSJ 091955  
CWFSJU  
  
COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
355 PM AST THU JUN 9 2016  
  
PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS  
  
SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.  
  
AMZ700-100815-  
355 PM AST THU JUN 9 2016  
  
.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW INTO THE BEGINNING OF NEXT WEEK.  
\$

Activate Windows  
Go to PC settings to activate Windows.

Connected - Weather Message Server Silence 1:01 AM

# 4 | WEATHER MESSAGE MAP

26

Weather Message - Map

File Silence Map Views Save Image Help

Manati, PR  
Area Forecast Matrices  
Surf Forecast  
Rip Currents Statement  
High Surf Advisory  
Hazardous Weather Outlook

Map Legend

- Tornado Warning
- Thunderstorm War
- Flash Flood Warni
- Winter Storm War
- Tornado Watch
- Thunderstorm Wat
- Flash Flood Watch
- Winter Storm Wat

Received Rip Currents Statement

Connected - Weather Message Server 19.2622061 / -68.0185017 1:3010000 09:12

Weather Message Text - North Central, PR

FLCA42 TJSJ 100917  
HWOSJU

HAZARDOUS WEATHER OUTLOOK  
NATIONAL WEATHER SERVICE SAN JUAN PR  
517 AM AST WED FEB 10 2016

AMZ710>745-PRZ001>013-110930-  
SAN JUAN AND VICINITY-NORTHEAST-SOUTHEAST-EASTERN INTERIOR-  
NORTH CENTRAL-CENTRAL INTERIOR-PONCE AND VICINITY-NORTHWEST-  
WESTERN INTERIOR-MAYAGUEZ AND VICINITY-SOUTHWEST-CULEBRA-VIEQUES-  
THE NEARSHORE AND OFF SHORE ATLANTIC AND CARIBBEAN COASTAL WATERS-  
517 AM AST WED FEB 10 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PUERTO RICO AND THE ADJACENT  
ATLANTIC COASTAL WATERS.

.DAY ONE... TODAY AND TONIGHT

.WAVES... NORTHERLY SWELL BETWEEN 5 AND 8 FEET WITH OCCASIONAL  
SEAS UP TO 10 FEET IS EXPECTED ACROSS THE ATLANTIC WATERS AND  
LOCAL PASSAGES.

.RIP CURRENTS... THERE IS A MODERATE TO HIGH RISK OF RIP CURRENTS  
ACROSS MUCH OF THE NORTH FACING BEACHES OF THE ISLANDS. PLEASE  
REFER TO LATEST SURF ZONE FORECAST (SRFSJU) FOR MORE INFORMATION.

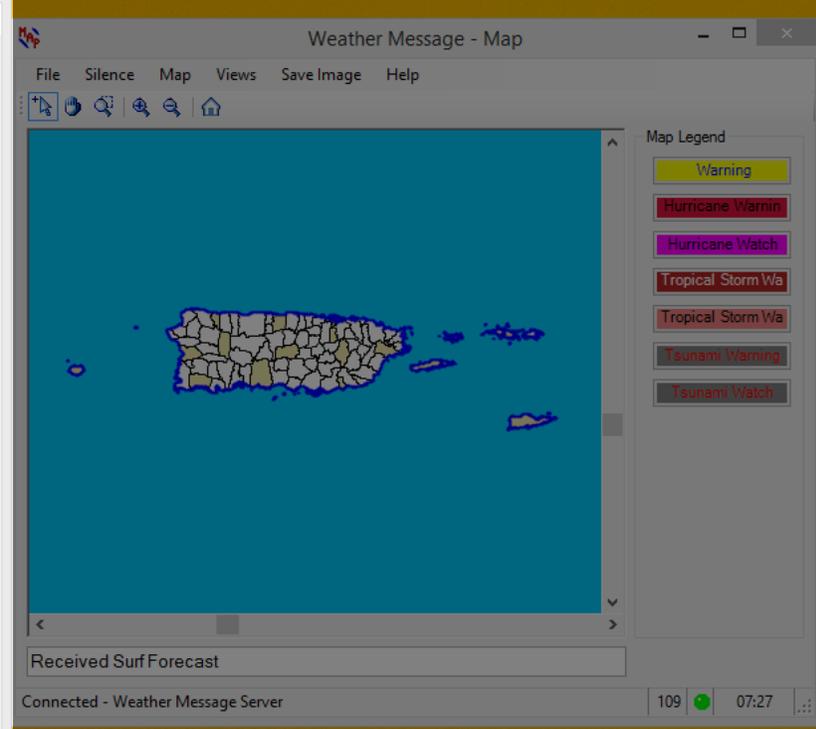
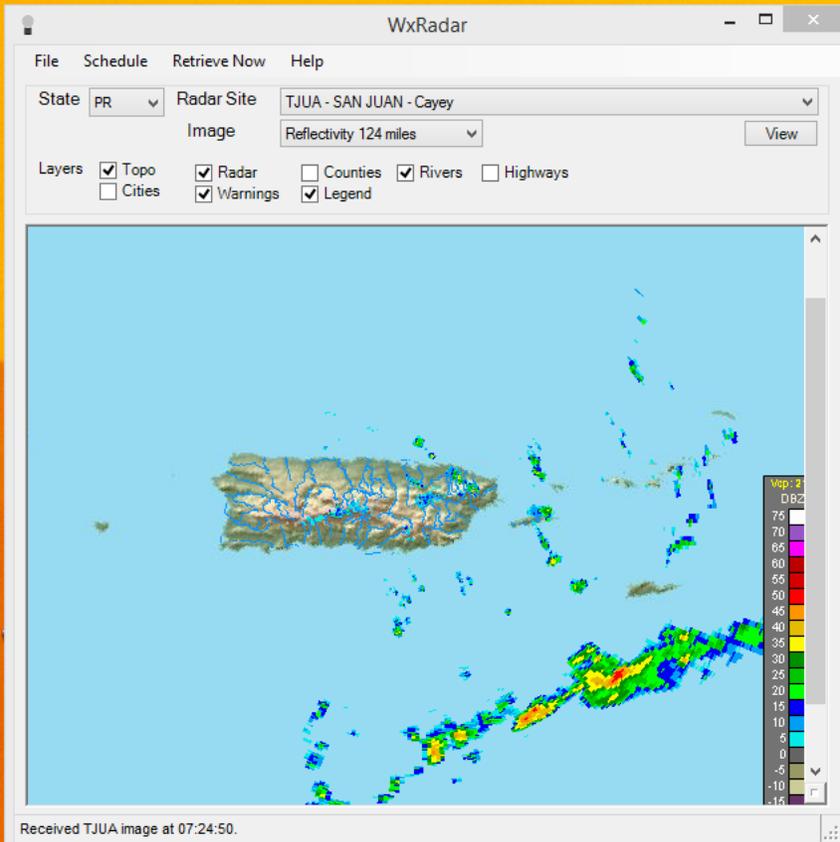
.DAYS TWO THROUGH SEVEN... THURSDAY THROUGH TUESDAY

LONG PERIOD NORTHERLY SWELL WILL CONTINUE TO SUPPORT THE  
DEVELOPMENT OF LIFE THREATENING RIP CURRENTS ALONG THE ATLANTIC  
BEACHES. HAZARDOUS SEAS WILL CONTINUE ACROSS THE ATLANTIC WATERS  
DUE TO SUBSIDING NORTHERLY SWELL.

.SPOTTER INFORMATION STATEMENT...

WIDESPREAD SPOTTER ACTIVATION IS NOT ANTICIPATED, HOWEVER INDIVIDUAL  
SPOTTER ARE ENCOURAGED TO REPORT RIP CURRENTS TO THE NATIONAL

Zoom to County Read Text E-Mail Message Print Message Close



### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List: TSTMSG

Live Request Alarms

**Test Message**

```

NTXX98 PAAQ 010713
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 228
$$
-----Test Message-----
NTXX98 PAAQ 010713
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 228
$$
-----Test Message-----
NTXX98 PAAQ 010658
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 227
$$
-----Test Message-----
NTXX98 PAAQ 010658
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 227
$$
-----Test Message-----
NTXX98 PAAQ 010643
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 226
$$
-----Test Message-----
NTXX98 PAAQ 010643
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 226
$$
-----Test Message-----
NTXX98 PAAQ 010628
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 225
  
```

Connected - Weather Message Server [Silence] 7:27 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AFDJKLKY.TXT	3 of 4	4096

Port: Com2 Packet Length: 0

Total Blocks: 1904 Bad Header: 0

Bad Blocks: 0 Check Sum: 0

Error Percent: 0.0 Block Count: 0

iver. That said the best chances for pops will generally be along and north of the I-64 coridor Sunday night into Monday. The longer wave trough and surface low

Connected to 198.105.224.93.

### Weather Message Server - 4.0

File Help

Processing

File: FILLFILE.TXT.1  
 Office: KWBC  
 Date: 120800  
 Local: 07/12/2016 08:00  
 WMO: NTXX98  
 AWIPS: NTXX98  
 : Administrative Alert Non-Receipt

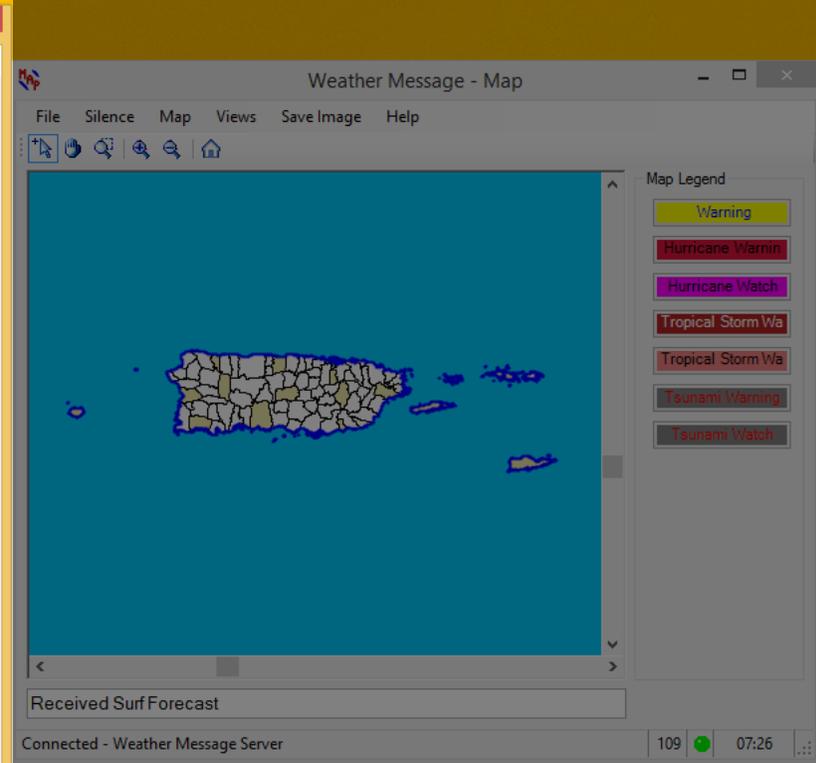
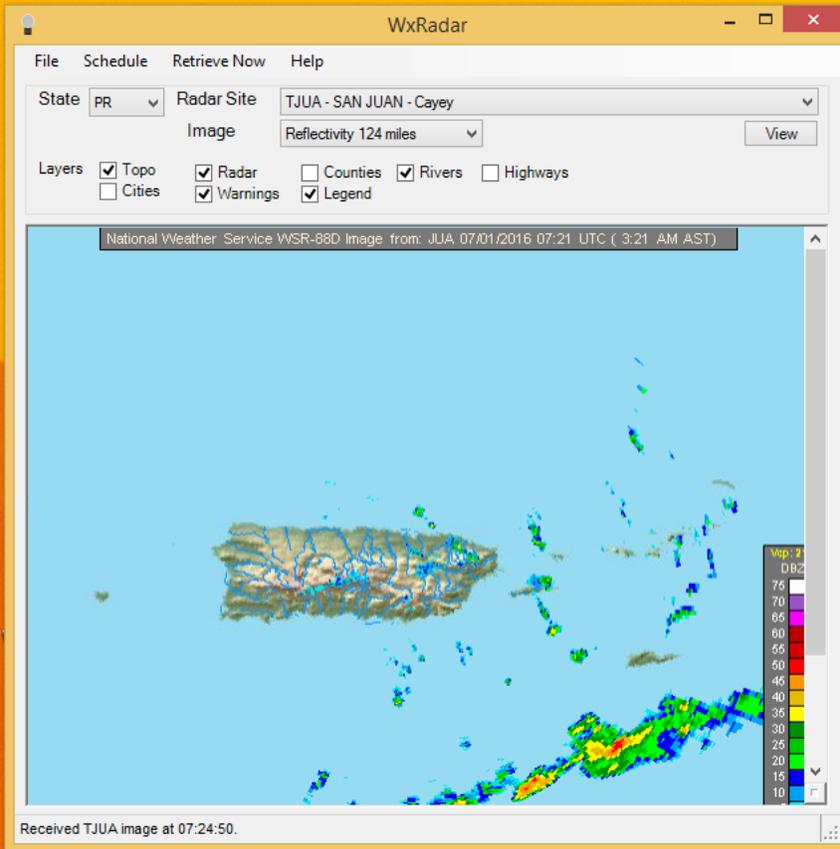
Duplicate Message Received

Processing File Name: ..\RXFILES\FILLFILE.TXT.1

Processed: 20750/0 Message Clients: 2  
 Alarm File: 1 Map Clients: 3

Status

TCP/IP  
 Connection Closed: 136.145.162.229  
 Email  
 Sent Email to Group ANALISTAS-ALL  
 Fax  
 Loaded Settings  
 Page  
 Loaded Settings  
 Image  
 Loaded Settings  
 X10  
 Archive / FTP  
 Receive File Error Connection failed: A connectio  
 Print



### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List: TSTMSG (repeated 15 times)

Live Request Alarms

**Test Message**

```

NTXX98 PAAQ 010713
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 228
$$
-----Test Message-----
NTXX98 PAAQ 010713
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 228
$$
-----Test Message-----
NTXX98 PAAQ 010658
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 227
$$
-----Test Message-----
NTXX98 PAAQ 010658
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 227
$$
-----Test Message-----
NTXX98 PAAQ 010643
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 277 - 226
$$
-----Test Message-----
NTXX98 PAAQ 010643
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 226
$$
-----Test Message-----
NTXX98 PAAQ 010628
TSTMSG
THIS IS A TEST MESSAGE FROM PAAQ ON LINE 276 - 225
  
```

Connected - Weather Message Server [Silence] 7:26 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
FILLFILE.TXT	1 of 1	1024

Port: Com2 Packet Length: 0

Total Blocks: 1827 Bad Header: 0

Bad Blocks: 0 Check Sum: 0

Error Percent: 0.0 Block Count: 0

NTXX98 KWBC 120800

Emergency Managers Weather Information Network (EMWIN)

Connected to 198.105.224.93.

### Weather Message Server - 4.0

File Help

Processing:

```

File : FILLFILE.TXT.1
Office: KWBC
Date : 120800
Local : 07/12/2016 08:00
WMO : NTXX98
AWIPS : NTXX98
      : Administrative Alert Non-
Receipt
Duplicate Message Received
  
```

Status:

```

TCP/IP
Connection Closed: 136.145.162.229
Email
Sent Email to Group ANALISTAS-ALL
Fax
Loaded Settings
Page
Loaded Settings
Image
Loaded Settings
X10
Archive / FTP
Receive File Error Connection failed: A connectio
Print
  
```

Processing File Name: ..\RXFILES\FILLFILE.TXT.1

Processed: 20651/0 Message Clients: 2

Alarm File: 1 Map Clients: 3

### WxRadar

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:
  Topo
  Radar
  Counties
  Rivers
  Highways
  Cities
  Warnings
  Legend

1:00 AM - RADJUAPR.gif copied to ingest.

### Weather Message - Map

File Silence Map Views Save Image Help

Setup  
Printer  
Map Landmarks  
**Connect**  
Refresh Map  
Print  
Exit

Map Legend

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Hurricane War
- High Wind Wat
- Marine Warnin
- Storm Watch
- Storm Warning
- Thunderstorm

PNS expired at 06/10/2016 00:00:00

Connected - Weather Message Server

117 ● 1:01 M

### Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

Setup  
Printer  
**Connect**  
Exit

Live Request Alarms

#### Flash Flood Guidance

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
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.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:-----  
:-----

IDENT	1HR	3HR	6HR	ZONE NAME
PRZ001	1.1/	2.0/	2.8	
PRZ002	1.1/	2.0/	2.8	
PRZ003	1.1/	2.0/	2.8	
PRZ004	1.1/	2.0/	2.8	
PRZ005	1.4/	1.9/	2.5	
PRZ006	1.4/	1.9/	2.5	
PRZ007	1.4/	1.9/	2.5	
PRZ008	1.4/	1.9/	2.5	
PRZ009	1.4/	1.9/	2.5	
PRZ010	1.4/	1.9/	2.5	
PRZ011	1.4/	1.9/	2.5	
PRZ012	1.8/	2.8/	3.9	
PRZ013	1.8/	2.8/	3.9	
VIZ001	2.0/	3.2/	4.4	
VIZ002	2.0/	3.0/	4.2	

\$.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
-----Coastal Waters Forecast-----  
FZCA52 TJSJ 091955  
CWFSJU  
  
COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
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PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS  
  
SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.  
  
AMZ700-100815-  
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EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS  
WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW  
INTO THE BEGINNING OF NEXT WEEK.  
\$\$

Connected - Weather Message Server

Silence ● 1:01 AM

### WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File	Block	File Size
AIRJ20FJ.TXT ●	1 of 1	1024

Port	Com2	Packet Length	0
Total Blocks	3992	Bad Header	2
Bad Blocks	3	Check Sum	1
Error Percent	0.1	Block Count	1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

### Weather Message Server - 4.0

File Help

Processing

File : AIRF01FJ.TXT  
Office: NFFN  
Date : 100000  
Local : 06/10/2016 00:00  
WMO : UPFJ01  
AWIPS : UPFJ01

Duplicate Message Received

Processing File Name  
...RXFILES\AIRF01FJ.TXT

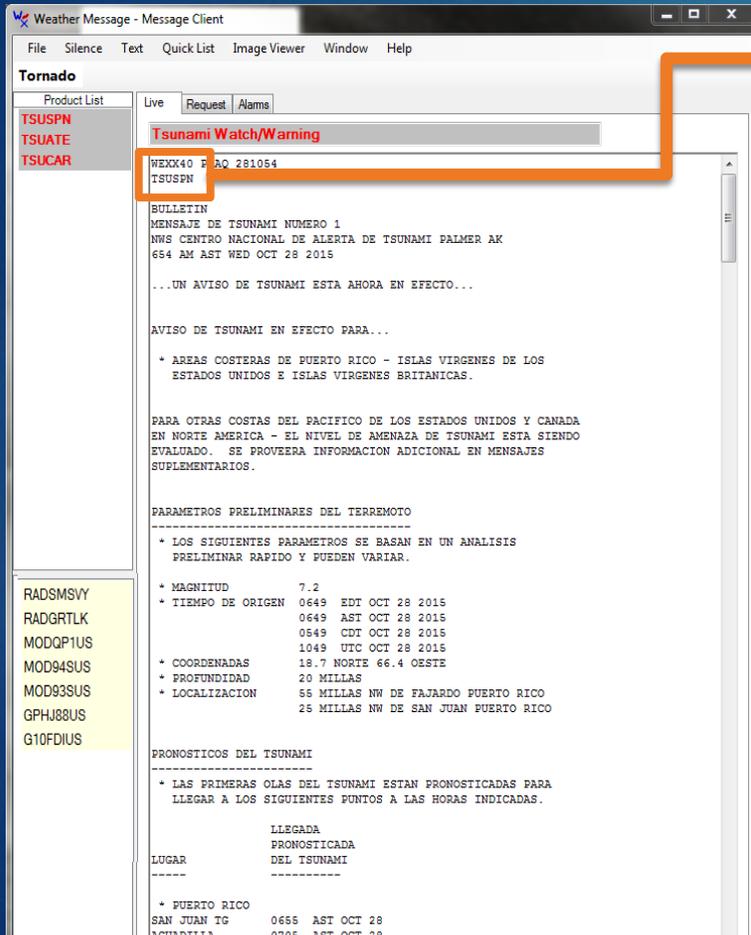
Processed 3238/0 Message Clients 2  
Alarm File 1 Map Clients 2

Status  
TCP/IP  
Connection Closed: 208.64.252.230  
Email  
Sent Email to Group ANALISTAS-ALL  
Fax  
Loaded Settings  
Page  
Loaded Settings  
Image  
Loaded Settings  
X10  
Archive / FTP  
Receive File Error Connection failed: A connectio  
Print

Connected - Weather Message Server

Silence ● 1:01 AM

# 4 | WEATHER MESSAGE CLIENT: PRODUCTOS



AWIPS ID		Explicación del Producto
Productos enviados por PTWC	<b>TSUCAR</b>	Vigilancia, Advertencia o Aviso de Tsunami
	<b>TSUSP1</b>	Vigilancia, Advertencia o Aviso de Tsunami en Español
	<b>TSUCA1</b>	Vigilancia, Advertencia o Aviso de Tsunami Segmentado
	<b>TIBCAR</b>	Boletín Informativo de Tsunami
	<b>TIBSP1</b>	Boletín Informativo de Tsunami en Español
	<b>EQICAR</b>	Boletín Informativo Sísmico de Tsunami (M<6.0)
	<b>EQISPN</b>	Boletín Informativo Sísmico de Tsunami en Español (M<6.0)

Puerto Rico e Islas Vírgenes

# 4 | WEATHER MESSAGE CLIENT: PRODUCTOS

32

	AWIPS ID	Explicación del Producto	
PTWC	TSUCAX	Mensaje de amenaza de tsunami	Caribe
	TIBCAX	Boletín Informativo de Tsunami	
Enviados por NTWC	TSUAT1	Vigilancia, Advertencia o Aviso de Tsunami	E.U. Atlántico
	TSUATE	Vigilancia, Advertencia o Aviso de Tsunami en Español	
	TSUSPA	Vigilancia, Advertencia o Aviso de Tsunami Segmentado	
	TIBATE	Boletín Informativo de Tsunami	
	TIBSPA	Boletín Informativo de Tsunami en Español	

# 4 | W.M. CLIENT: ALERTAS DE TSUNAMI

## TIB???

## TSU???



**BOLETÍN INFORMATIVO  
INFORMATION STATEMENT**

**Mensaje Informativo relacionado a un evento sísmico sin potencial tsunamigénico. Pueden haber olas menores.**



**VIGILANCIA  
WATCH**

**Alerta de emergencia emitida cuando ha ocurrido un evento que luego puede afectar la zona costera. Se desconoce el nivel de peligro.**



**ADVERTENCIA  
ADVISORY**

**Alerta de emergencia emitida cuando hay peligro potencial por un tsunami. Corrientes fuertes son probables.**



**AVISO  
WARNING**

**Alerta de emergencia emitida cuando hay un potencial inminente de inundación costera a causa de un tsunami. Habrán posibles olas de inundación.**



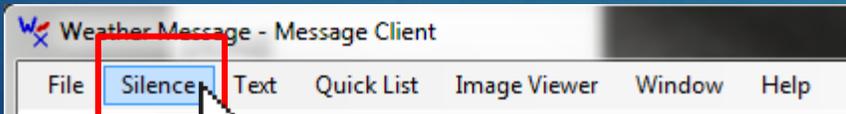
# 4 | WEATHER MESSAGE CLIENT: PRODUCTOS



**EQI???: Alarmas de Terremoto**

**TIB???: Boletín Informativo de Tsunami**

**TSU???: Alarmas de Tsunami**



Weather Message - Message Client

File **Silence** Text Quick List Image Viewer Window Help

**All SJU**

Product List

- AFMSJU
- PFMSJU
- QPSSJU
- PFMSJU
- EQRSJU
- EQRSJU**
- EQRSJU**
- TSUBMX**
- TSUBMX**
- EQRBMX**
- CLISJU
- AFDSJU
- MWWSJU

Product Code:  **Hazardous Weather Outlook**

FLCA42 TJSJ 090855  
HWOSJU

HAZARDOUS WEATHER OUTLOOK  
NATIONAL WEATHER SERVICE SAN JUAN PR  
455 AM AST TUE FEB 9 2016

AMZ710>745-PRZ001>013-100900-  
SAN JUAN AND VICINITY-NORTHEAST-SOUTHEAST-EASTERN INTERIOR-  
NORTH CENTRAL-CENTRAL INTERIOR-PONCE AND VICINITY-NORTHWEST-  
WESTERN INTERIOR-MAYAGUEZ AND VICINITY-SOUTHWEST-CULEBRA-VIEQUES-  
THE NEARSHORE AND OFF SHORE ATLANTIC AND CARIBBEAN COASTAL WATERS-  
455 AM AST TUE FEB 9 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PUERTO RICO AND THE ADJACENT  
ATLANTIC COASTAL WATERS.

.DAY ONE...TODAY AND TONIGHT

.RIP CURRENTS...THERE IS A HIGH RISK OF RIP CURRENTS ALONG THE  
ATLANTIC COASTLINE OF PUERTO RICO. AN INCREASING RISK OF RIP  
CURRENTS IS ALSO EXPECTED ACROSS WESTERN PUERTO RICO...VIEQUES  
AND CULEBRA TODAY WITH MODERATE RISK EXPECTED IN THE MORNING HOURS...  
BECOMING HIGH IN THE AFTERNOON.

.DAYS TWO THROUGH SEVEN...WEDNESDAY THROUGH MONDAY

LONG PERIOD NORTHWEST SWELL WILL LIKELY SUPPORT THE DEVELOPMENT  
OF LIFE THREATENING RIP CURRENTS ALONG THE ATLANTIC BEACHES AND  
HAZARDOUS MARINE CONDITIONS THROUGH AT LEAST THURSDAY.

Read Text E-Mail Message Print Message

Connected - Weather Message Server 09:08

# 4 | W.M. CLIENT: PRODUCTOS TSUNAMI

35

WECA40 PHEB 300303

**TSUCAR**

TSUNAMI MESSAGE NUMBER 1

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

1103 PM AST FRI JAN 29 2016

...A TSUNAMI ADVISORY IS NOW IN EFFECT...

AUDIENCIA

-----

\* GOVERNMENT OFFICIALS... MEDIA... AND GENERAL PUBLIC OF PUERTO RICO... THE U.S. VIRGIN ISLANDS... AND THE BRITISH VIRGIN ISLANDS.

EVALUACION

-----

\* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 6.8 OCCURRED ABOUT 49 MILES NORTH OF PUERTO RICO AT 1100 PM AST ON FRIDAY JANUARY 29 2016.

\* BASED ON ALL AVAILABLE DATA... THERE IS A TSUNAMI THREAT TO PUERTO RICO AND THE VIRGIN ISLANDS OF SEA LEVEL FLUCTUATIONS AND STRONG OCEAN CURRENTS THAT COULD BE A HAZARD ALONG COASTS... BEACHES... IN HARBORS... AND IN COASTAL WATERS.

\* THE EARLIEST ESTIMATED TIME THAT HAZARDOUS SEA LEVEL FLUCTUATIONS AND STRONG OCEAN CURRENTS MAY BEGIN IN PUERTO RICO AND THE VIRGIN ISLANDS IS

1109 PM AST ON FRIDAY JANUARY 29 2016

**PTWC:**

**TSUCAR**

**Alertas**

**WATCH**

**ADVISORY**

**WARNING**

WECA50 PHEB 300303

**TSUSP1**

MENSAJE DE TSUNAMI NUMERO 1

SMN CENTRO DE ALERTAS DE TSUNAMI DEL PACIFICO EWA BEACH HI

1103 PM AST FRI JAN 29 2016

...UNA ADVERTENCIA DE TSUNAMI ESTA AHORA EN EFECTO...

AUDIENCIA

-----

\* FUNCIONARIOS GUBERNAMENTALES... MEDIOS DE PRENSA... Y EL PUBLICO EN GENERAL EN PUERTO RICO... LAS ISLAS VIRGENES DE LOS ESTADOS UNIDOS... Y LAS ISLAS VIRGENES BRITANICAS.

EVALUACION

-----

\* UN TERREMOTO CON MAGNITUD PRELIMINAR 6.8 HA OCURRIDO UNAS 49 MILLAS AL NORTE DE PUERTO RICO A LAS 1100 PM AST EL VIERNES 29 DE ENERO DEL 2016.

\* BASANDOSE EN EL ANALISIS DE TODOS LOS DATOS DISPONIBLES... EXISTE PELIGRO DE TSUNAMI PARA PUERTO RICO Y LAS ISLAS VIRGENES DEBIDO A FLUCTUACIONES DEL NIVEL DEL MAR Y CORRIENTES MARINAS FUERTES QUE PODRIAN PRESENTAR PELIGRO A LO LARGO DE COSTAS... PLAYAS... PUERTOS... Y AGUAS COSTERAS.

\* EL TIEMPO DE ARRIBO MAS TEMPRANO A PARTIR DEL CUAL FLUCTUACIONES PELIGROSAS DEL NIVEL DEL MAR Y CORRIENTES OCEANICAS FUERTES PUEDEN COMENZAR EN PUERTO RICO Y LAS ISLAS VIRGENES ES

1109 PM AST EL VIERNES 29 DE ENERO DEL 2016

**PTWC:**

**TSUSP1**

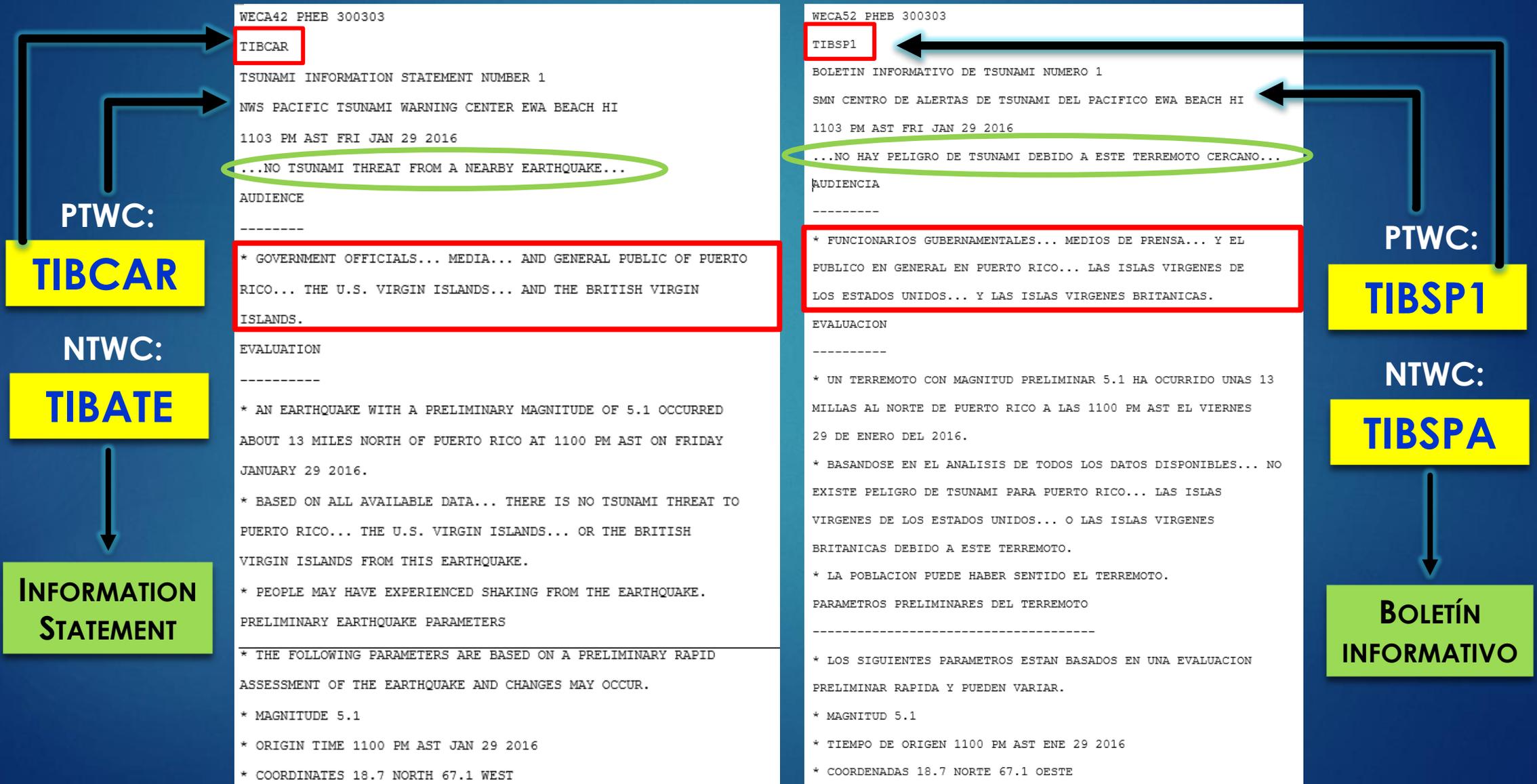
**Alertas**

**VIGILANCIA**

**ADVERTENCIA**

**AVISO**

# 4 | W.M. CLIENT: PRODUCTOS TSUNAMI



# 4 | W.M. CLIENT: PRODUCTOS SÍSMICOS

37

PTWC :

**EQICAR**

SEXX60 PAAQ 280930  
EQIAT1

TSUNAMI SEISMIC INFORMATION STATEMENT  
NWS NATIONAL TSUNAMI WARNING CENTER PALMER AK  
530 AM EDT WED OCT 28 2015

...THIS IS A TSUNAMI INFORMATION STATEMENT...

EVALUATION  
-----  
\* AN EARTHQUAKE HAS OCCURRED - THERE IS NO TSUNAMI DANGER.

PRELIMINARY EARTHQUAKE PARAMETERS  
-----  
\* THE FOLLOWING PARAMETERS ARE BASED ON A RAPID PRELIMINARY ASSESSMENT AND CHANGES MAY OCCUR.

\* MAGNITUDE 4.7  
\* ORIGIN TIME 0528 EDT OCT 28 2015  
0428 CDT OCT 28 2015  
0528 AST OCT 28 2015  
0928 UTC OCT 28 2015  
\* COORDINATES 42.2 NORTH 70.2 WEST  
\* DEPTH 4 MILES  
\* LOCATION 65 MILES N OF NANTUCKET MASSACHUSETTS  
45 MILES SE OF BOSTON MASSACHUSETTS

ADDITIONAL INFORMATION AND NEXT UPDATE  
-----  
\* THE EARTHQUAKE PARAMETERS ARE BASED ON PRELIMINARY INFORMATION.

\* FURTHER INFORMATION WILL BE ISSUED BY THE UNITED STATES GEOLOGICAL SURVEY - EARTHQUAKE.USGS.GOV - OR THE APPROPRIATE REGIONAL SEISMIC NETWORK.

\* THIS WILL BE THE ONLY U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGE ISSUED FOR THIS EVENT.

\$\$

SEXX70 PAAQ 280930  
EQISPN

BOLETIN INFORMATIVO SISMICO DE TSUNAMI  
NWS CENTRO NACIONAL DE ALERTA DE TSUNAMI PALMER AK  
530 AM EDT WED OCT 28 2015

...ESTE ES UN BOLETIN INFORMATIVO DE TSUNAMI...

EVALUACION  
-----  
\* HA OCURRIDO UN TERREMOTO - NO HAY PELIGRO DE TSUNAMI.

PARAMETROS PRELIMINARES DEL TERREMOTO  
-----  
\* LOS SIGUIENTES PARAMETROS SE BASAN EN UN ANALISIS PRELIMINAR RAPIDO Y PUEDEN VARIAR.

\* MAGNITUD 4.7  
\* TIEMPO DE ORIGEN 0528 EDT OCT 28 2015  
0428 CDT OCT 28 2015  
0528 AST OCT 28 2015  
0928 UTC OCT 28 2015  
\* COORDENADAS 42.2 NORTE 70.2 OESTE  
\* PROFUNDIDAD 4 MILLAS  
\* LOCALIZACION 65 MILLAS N DE NANTUCKET MASSACHUSETTS  
45 MILLAS SE DE BOSTON MASSACHUSETTS

INFORMACION ADICIONAL E PROXIMA ACTUALIZACION  
-----  
\* LOS PARAMETROS DEL TERREMOTO ESTAN BASADOS EN INFORMACION PRELIMINAR.

\* INFORMACION ADICIONAL SERA EMITIDA POR EL SERVICIO GEOLOGICO DE LOS ESTADOS UNIDOS - EARTHQUAKE.USGS.GOV - O LA CORRESPONDIENTE RED SISMICA REGIONAL.

\* ESTE SERA EL UNICO MENSAJE PROVENIENTE DEL CENTRO NACIONAL DE ALERTA DE TSUNAMI DE LOS ESTADOS UNIDOS PARA ESTE EVENTO.

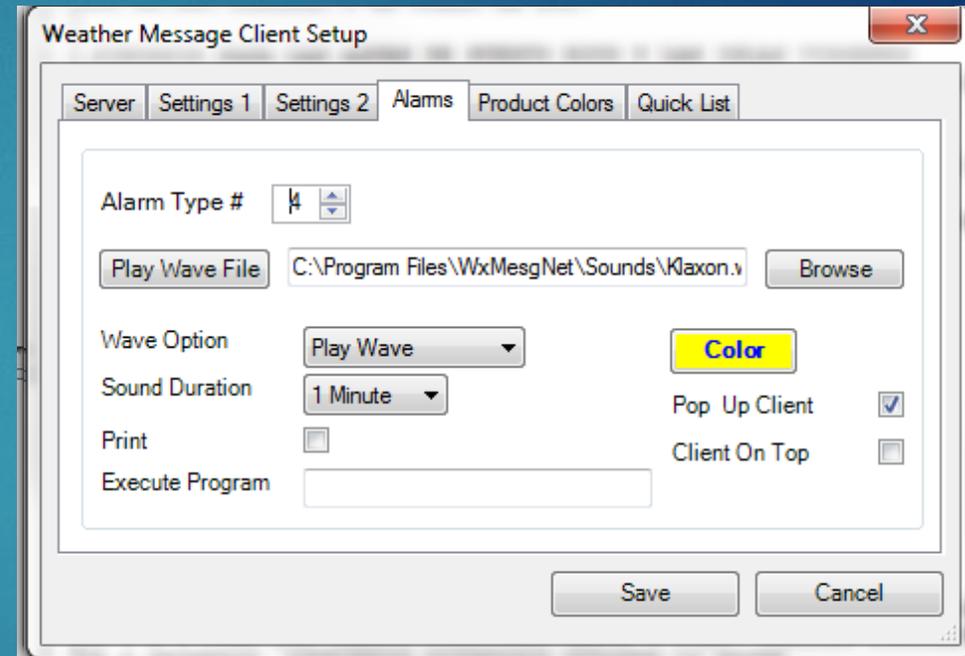
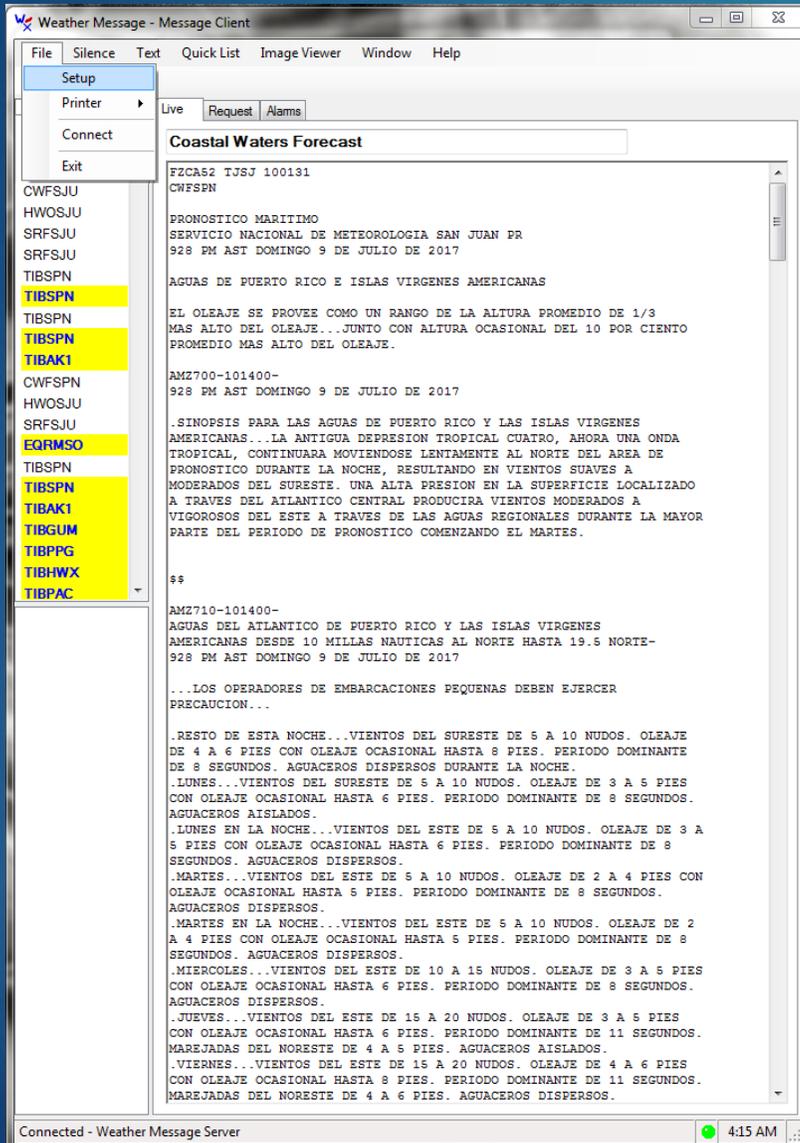
\$\$

PTWC:

**EQISPN**

# 4 | WEATHER MESSAGE CLIENT: ALARMAS

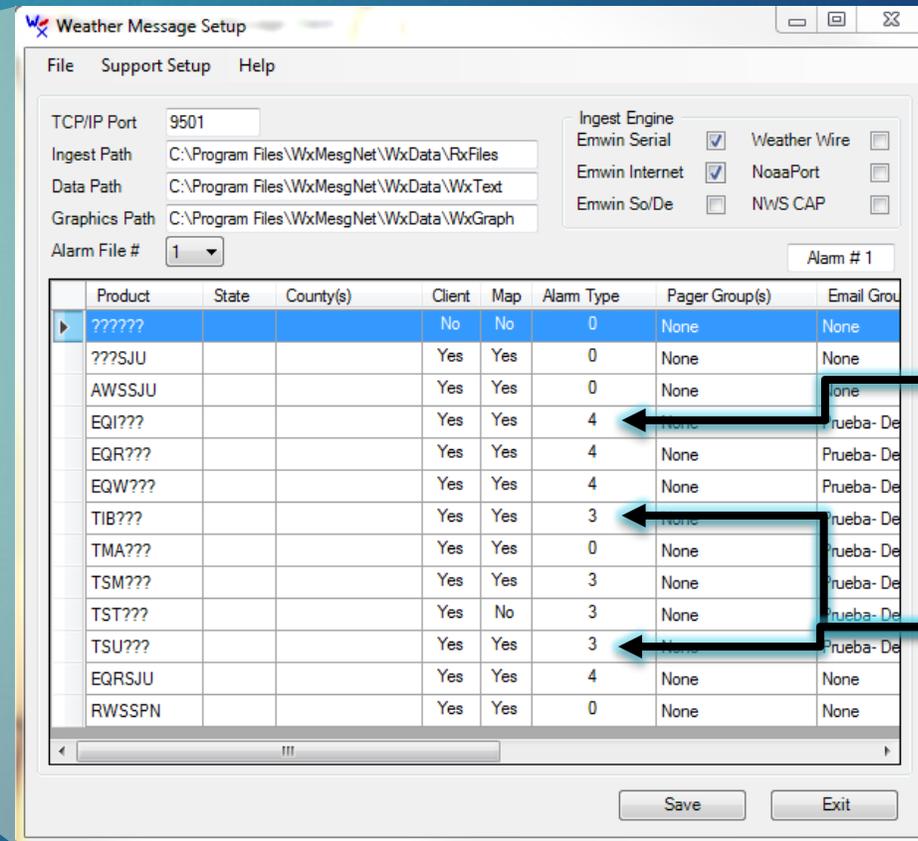
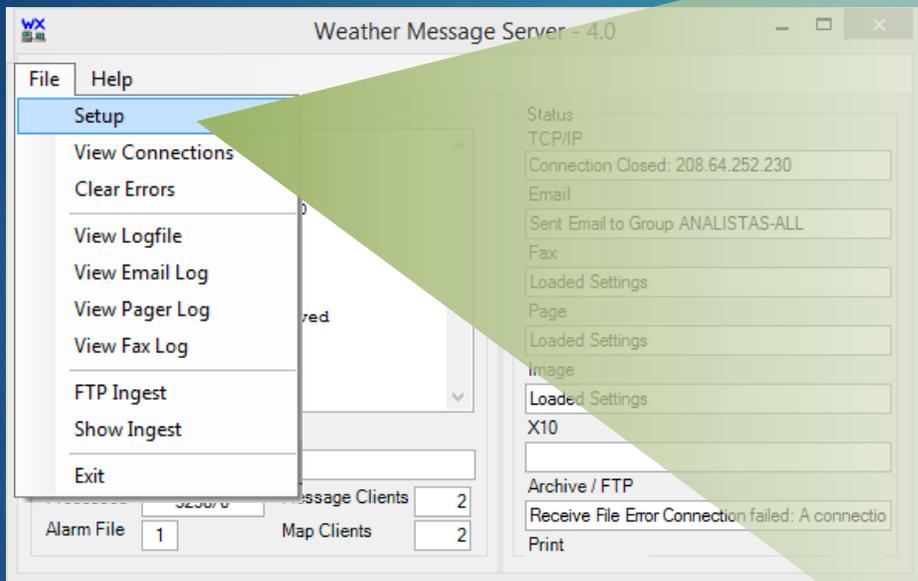
38



# 4 | WEATHER MESSAGE SERVER: PRODUCTOS

¿Dónde están configurados los mensajes que llegarán?

Weather Message Server → File → Setup



# 4 | WEATHER MESSAGE SERVER: PRODUCTOS

40

¿Dónde están configurados los mensajes que llegarán?

Weather Message Server → File → Setup

The image shows two overlapping screenshots of the Weather Message Server 4.0 software. The left screenshot shows the main application window with the 'File' menu open and 'Setup' selected. The right screenshot shows the 'Weather Message Setup' dialog box, which is divided into several sections:

- File Support Setup Help**: Contains fields for TCP/IP Port (9501), Ingest Path, Data Path, Graphics Path, and Alarm File # (1).
- Edit Alarm**: A sub-dialog box with tabs for 'List Products', 'List Forecast Offices', and 'List States'. It has a table with columns 'Product', 'State', and 'County(s)'. The first row is highlighted with '?????' in the Product column. A context menu is open over this row with options: Add, Edit, Delete, Copy, Paste, Set InActive, Test Alarm, and Select Columns.
- Alarm Settings**: Includes 'To Client' (No/Yes), 'To Map' (No/Yes), and 'Alarm Type' (dropdown menu).
- X10 Settings**: Includes 'House Code' (dropdown), 'Command' (dropdown), and 'Duration' (dropdown).
- Unit Selection**: A grid of checkboxes for units 1 through 16.

At the bottom of the slide, there are two numbered boxes: a grey box with the number '3' and a yellow box with the number '4'.

# 4 | WEATHER MESSAGE SERVER: EMAIL GROUP

42

The screenshot shows the 'Weather Message Setup' window. At the top, there are fields for TCP/IP Port (9501), Ingest Path, Data Path, and Graphics Path. Below these are checkboxes for Ingest Engine options: Emwin Serial (checked), Emwin Internet (checked), and Emwin So/De (unchecked). A table lists various products with columns for Product, State, Client, Map, Alarm Type, Pager Group(s), Email Group(s), and Fax Group(s). The 'TST???' row is selected, and a context menu is open over it, listing options: Add, Edit, Delete, Copy, Paste, Set InActive, Test Alarm, and Select Columns. A green arrow points to the 'Save' button at the bottom of the window.

Product	State	Client	Map	Alarm Type	Pager Group(s)	Email Group(s)	Fax Group(s)
??SJSU		Yes	Yes	0	None	None	None
AWSSJU		Yes	Yes	0	None	None	None
EQI???		Yes	Yes	4	None	Analistas-All	None
EQR???		Yes	Yes	4	None	Analistas-All	None
EQW???		Yes	Yes	4	None	Analistas-All	None
TIB???		Yes	Yes	3	None	Analistas-All	None
TMA???		Yes	Yes	2	None	None	None
TSM???		Yes	Yes	3	None	Analistas-All	None
TST???		Yes	Yes	3	None	Prueba-Denyse	None
TSU???		Yes	Yes	3	None	Analistas-All	None
EQRSJU		Yes	Yes	4	None	None	None
RWSSPN		Yes	Yes	0	None	None	None
??????		Yes	Yes	0	None	None	None

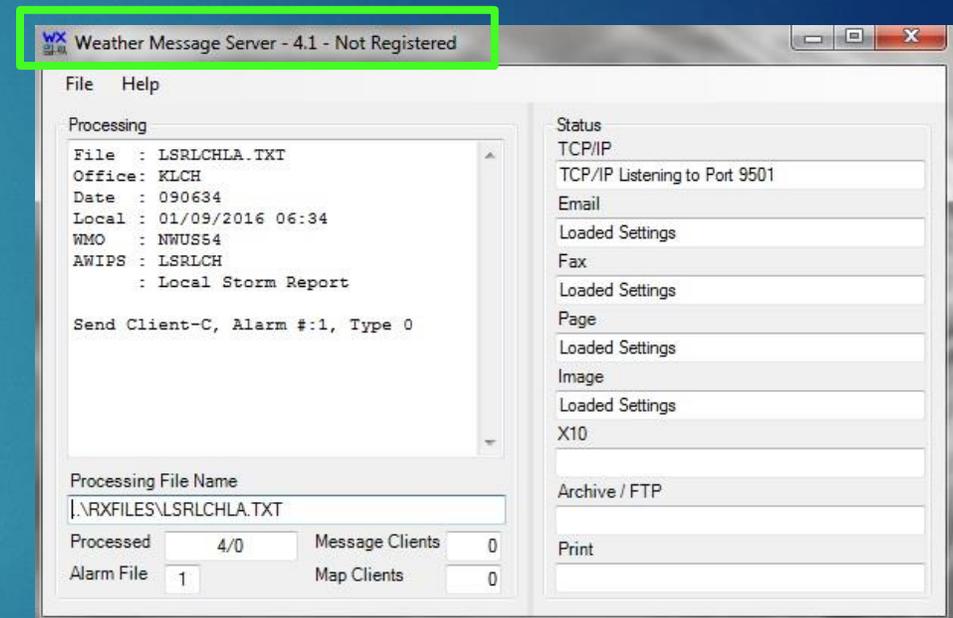
The screenshot shows the 'Edit Alarm # 9 - TST???' window. It has tabs for 'Alarm', 'Client/Map/X10', 'Email', 'Paging/Fax', 'Archive/Html/Exe/Print', and 'Notes'. The 'Email' tab is active. Under 'Email Groups', there is a list with checkboxes: None, Analistas-All, Prueba-Denyse (checked), and Tides. To the right, under 'Email/Paging/Fax Time Restrictions', there is a 'Time Restrict' dropdown set to 'No', and fields for 'Start Receiving Time' and 'Stop Receiving Time' (both HH:MM). Below these are 'Days of Week' checkboxes for S, M, T, W, T, F, S, all of which are checked. A green arrow points to the 'Save' button at the bottom right.



# PROBLEMAS COMUNES CON EL WEATHER MESSAGE

44

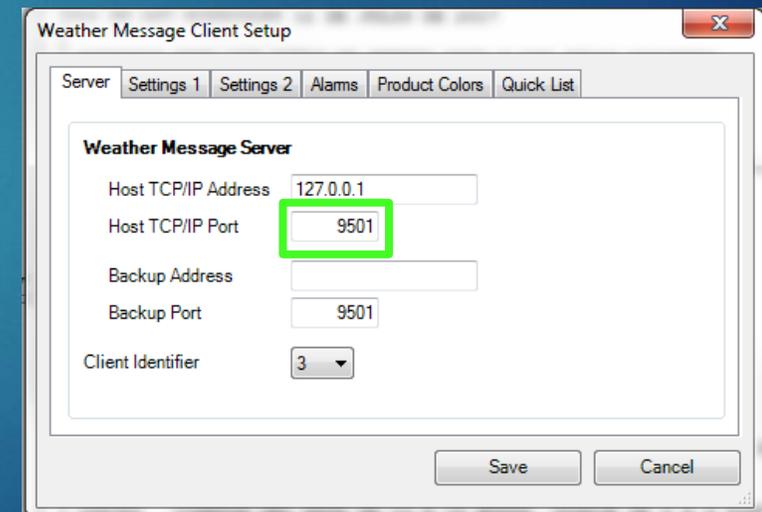
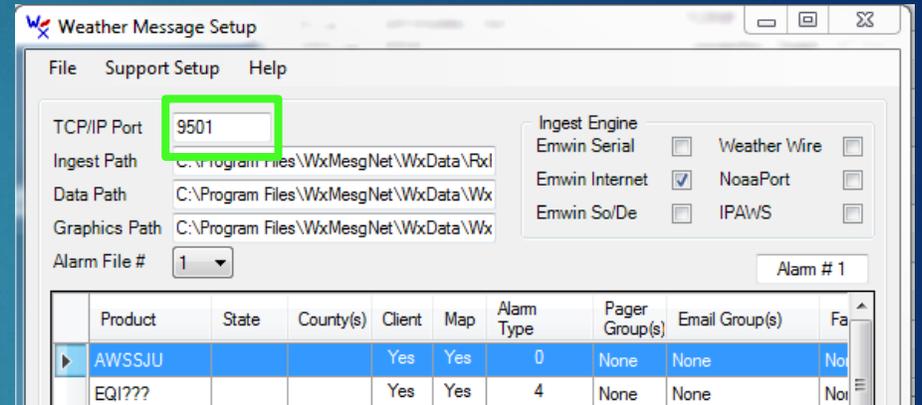
- ▶ El software de Weather Message NO está registrado.
- ▶ Errores de puertos bloqueados (9501)
- ▶ Wx Radar fuera de servicio por un periodo largo de tiempo.
- ▶ Se abren ventanas de error cuando se trata de correr los módulos de Weather Message.



# PROBLEMAS COMUNES CON EL WEATHER MESSAGE

45

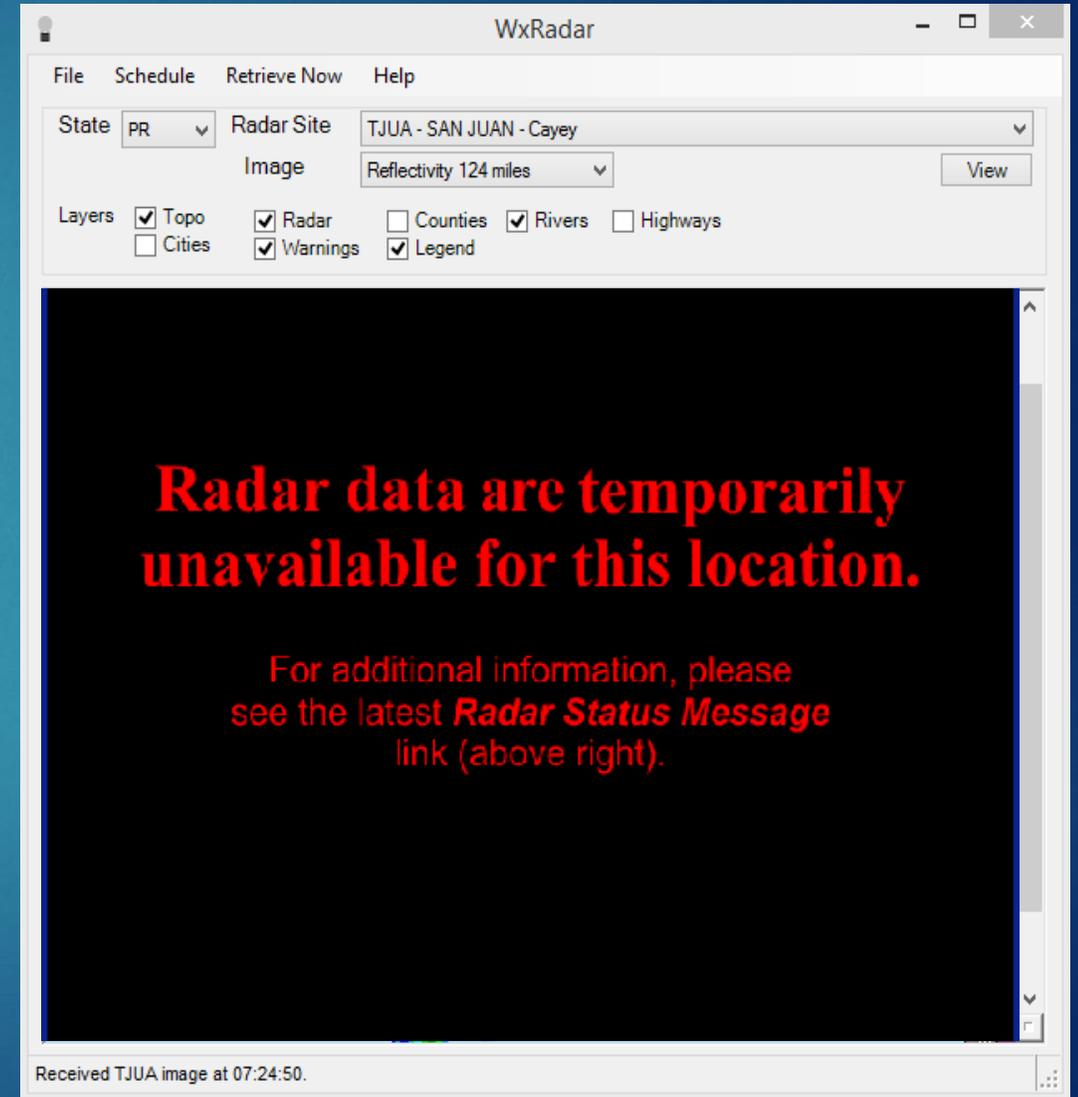
- ▶ El software de Weather Message NO está registrado.
- ▶ Errores de puertos bloqueados (9501)
- ▶ Wx Radar fuera de servicio por un periodo largo de tiempo.
- ▶ Se abren ventanas de error cuando se trata de correr los módulos de Weather Message.



# PROBLEMAS COMUNES CON EL WEATHER MESSAGE

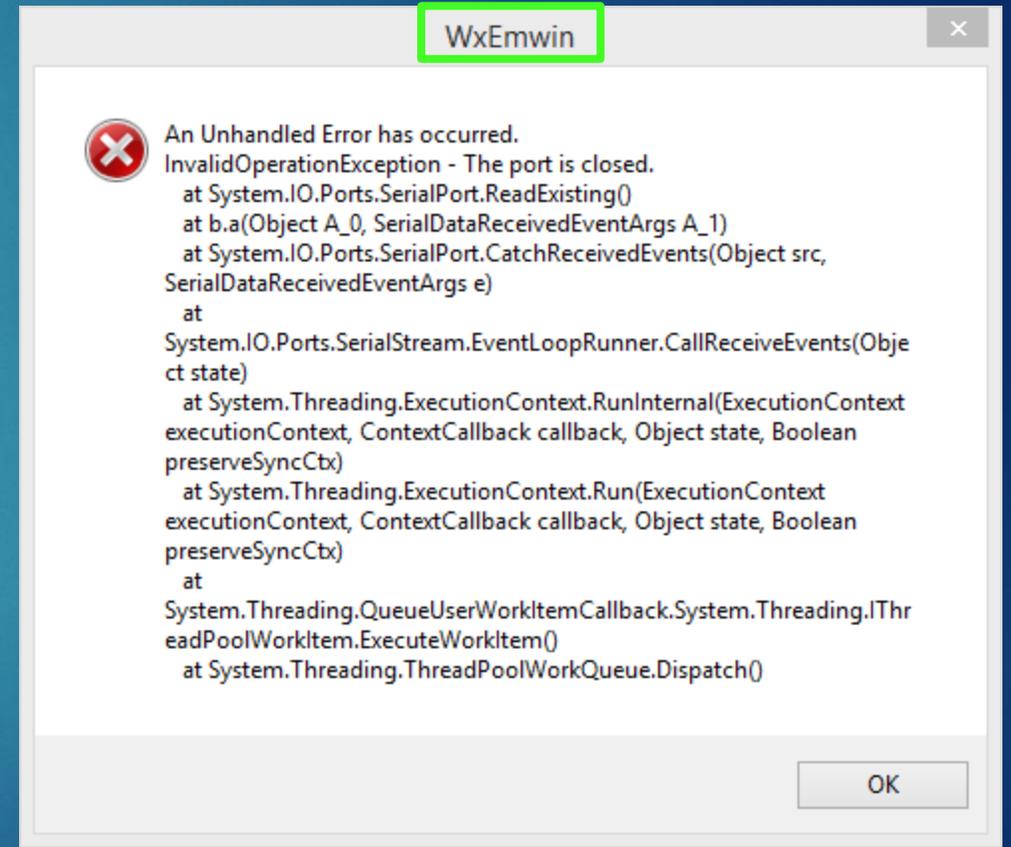
46

- ▶ El software de Weather Message NO está registrado.
- ▶ Errores de puertos bloqueados (9501)
- ▶ Wx Radar fuera de servicio por un periodo largo de tiempo.
- ▶ Se abren ventanas de error cuando se trata de correr los módulos de Weather Message.



# PROBLEMAS COMUNES CON EL WEATHER MESSAGE

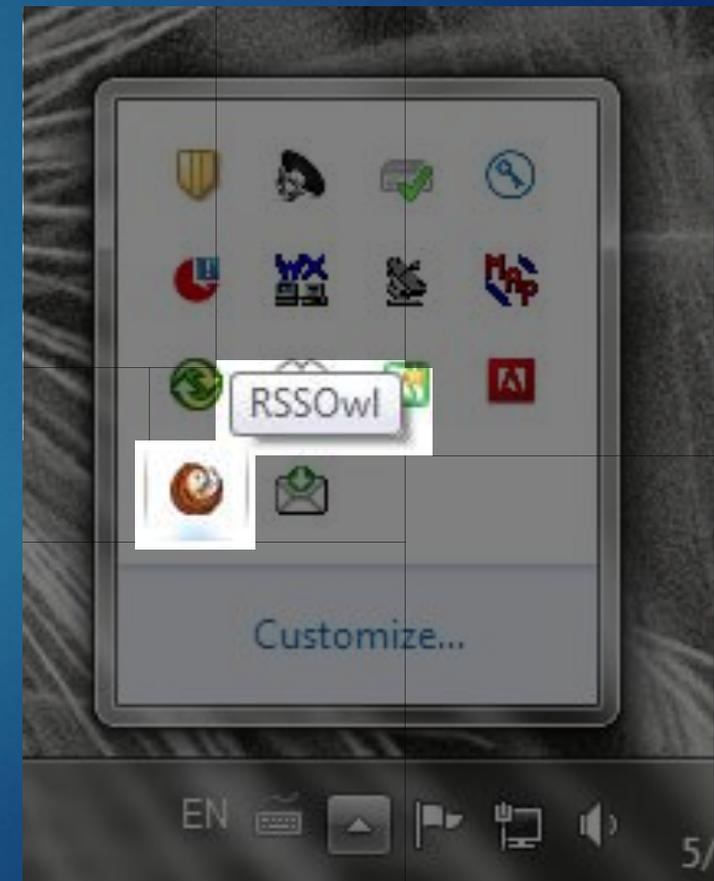
- ▶ El software de Weather Message NO está registrado.
- ▶ Errores de puertos bloqueados (9501)
- ▶ Wx Radar fuera de servicio por un periodo largo de tiempo.
- ▶ Se abren ventanas de error cuando se trata de correr los módulos de Weather Message.



# | INTRODUCCIÓN: RSS

48

- ▶ **RSS** : Rich Site Summary o Really Simple Syndication
  - ▶ Le permite al usuario acceder contenido online de manera resumida a través de un RSS feed.
- ▶ **Web o RSS feed** : documento en formato XML cuyo link es usado para brindarle a los usuarios información actualizada de manera frecuente.
  - ▶ Ej.: <http://www.prsn.uprm.edu/Data/prsn/RSS/tsunami/eqs1month.xml>
- ▶ **RSSOwl** : programa que recibe y muestra el contenido en los web feed.



# PROGRAMA: RSSOWL



Lista de Feeds

The screenshot shows the RSSOwl application window titled "RSPR- Eventos Significativos Recientes - RSSOwl". The interface includes a menu bar (File, Edit, View, Go, Feeds, News, Tools, Window, Help) and a toolbar with various actions like New, Undo, Redo, Update, Update All, Search, Mark Read, Mark All Read, Archive, Label, Sticky, Share, Next, and Previous.

**Lista de Feeds:** A sidebar on the left shows a list of feeds:

- RSPR- Eventos Significativos Recientes
- RSPR- Noticias Recientes
- RSPR- Noticias Recientes para Mayaguez

**Lista de Mensajes:** The main pane displays a table of news items:

Title	Received	Published
ACTUALIZADA: M 3.95, LEEWARD ISLANDS	9:05 PM	9:05 PM
ACTUALIZADA: M 3.49, VIRGIN ISLANDS	8:08 PM	8:52 PM
ACTUALIZADA: M 4.00, VIRGIN ISLANDS	8:16 PM	8:20 PM
PRELIMINAR: M 3.52, VIRGIN ISLANDS	11:44 PM	7:38 PM
ACTUALIZADA: M 4.30, VIRGIN ISLANDS	5/29/17 1:37 PM	5/29/17 2:21 PM
ACTUALIZADA: M 3.54, VIRGIN ISLANDS	5/25/17 3:30 AM	5/25/17 3:30 AM
ACTUALIZADA: M 3.72, VIRGIN ISLANDS	5/25/17 2:27 AM	5/25/17 2:27 AM
ACTUALIZADA: M 3.91, VIRGIN ISLANDS	5/24/17 10:29 AM	5/24/17 11:06 AM
ACTUALIZADA: M 3.61, VIRGIN ISLANDS	5/23/17 5:12 AM	5/23/17 5:12 AM
ACTUALIZADA: M 3.62, MONA PASSAGE	5/19/17 10:43 PM	5/19/17 11:34 PM

**Mensaje RSS:** A detailed view of a news item is shown below the list:

**Título:** ACTUALIZADA: M 3.95, LEEWARD ISLANDS

**Contenido:** June 03, 2017 20:06:00 Local Time (GMT - 4). No hay Aviso, Advertencia o Vigilancia de tsunami para Puerto Rico e Islas Vírgenes

At the bottom of the window, it says "Updating Feeds...: (99%)".

Lista de Mensajes

Mensaje RSS

# TIPOS DE NOTIFICACIONES EN RSSOWL

50



1 Incoming News

**ACTUALIZADA: M 3.54, VIRGIN ISLANDS**

May 25, 2017 03:01:05 Local Time (GMT - 4). No hay Aviso, Advertencia o Vigilancia de tsunami para Puerto Rico e Islas Vírgenes



Eventos Significativos



1 Incoming News

**Prueba Mensual RSS - 25 May 2017**

RESPONDA inmediatamente al 787 833 8433 o [analistas@prsn.uprm.edu](mailto:analistas@prsn.uprm.edu)



Pruebas Mensuales



1 Incoming News

**Ejercicio CARIBEWAVE 2017:**

Comienza el ejercicio CARIBEWAVE 2017



Mensajería Especial



1 Incoming News

**PRUEBA RSSOwl - LAJAS**

May 17, 2017 23:20:08 Local Time (GMT - 4).



Mensajes dirigidos a su pueblo en particular

# | PRUEBA MENSUAL RSS

51

El sistema RSS es puesto a prueba enviando un mensaje RSS mensualmente a todas las computadoras EMWIN.

Es de suma importancia responder a la prueba y de manera puntual.

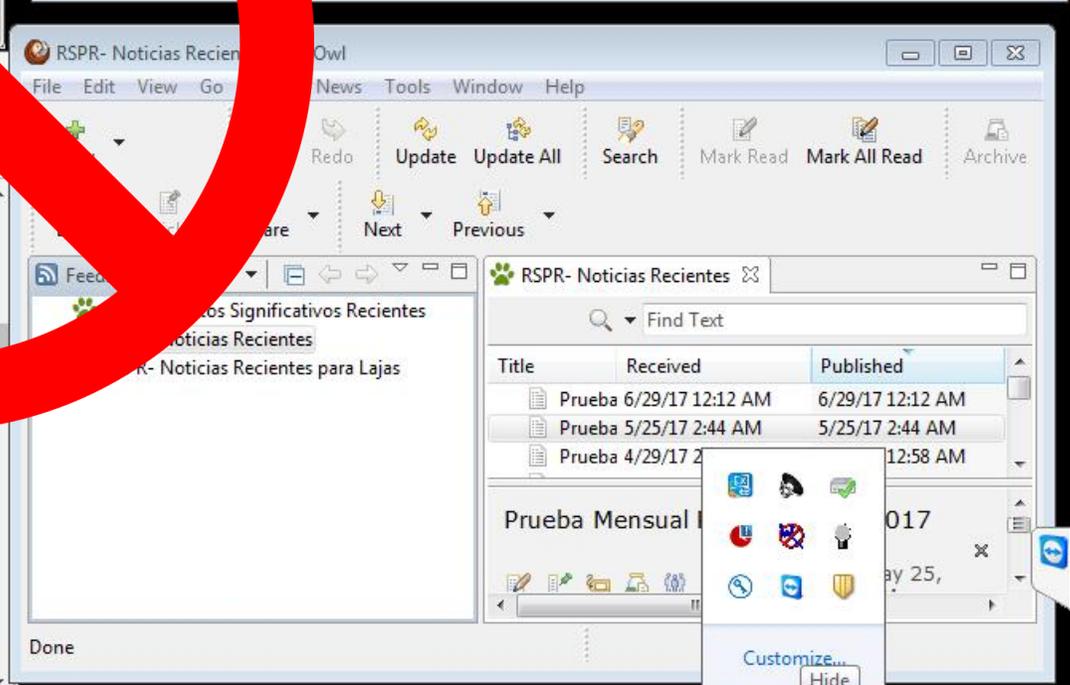
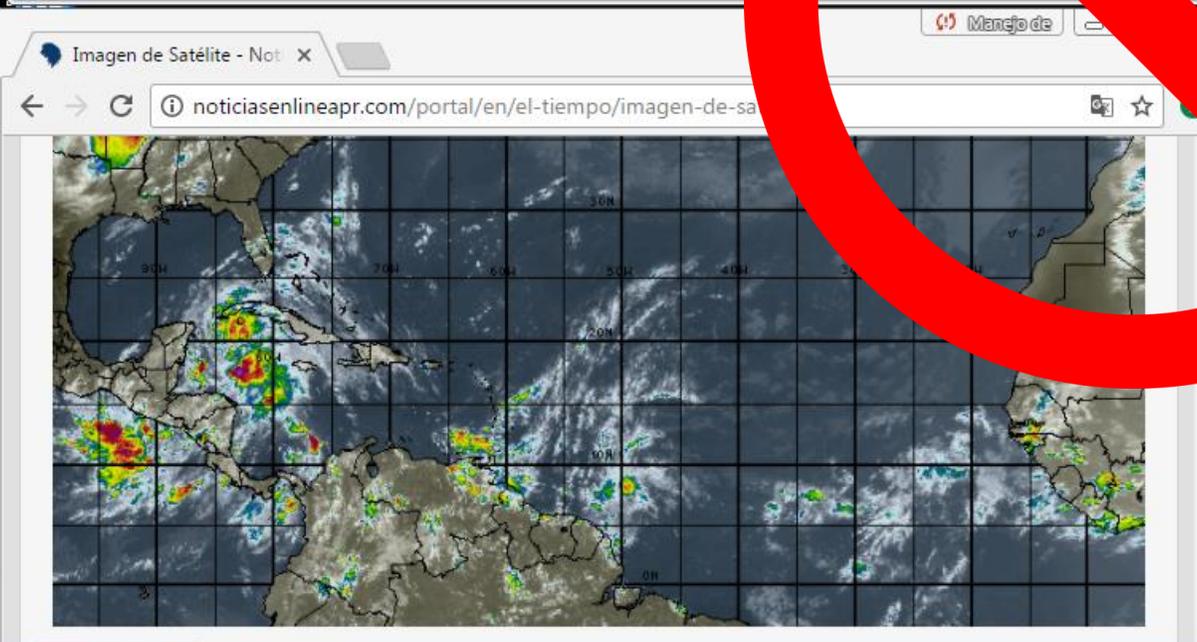
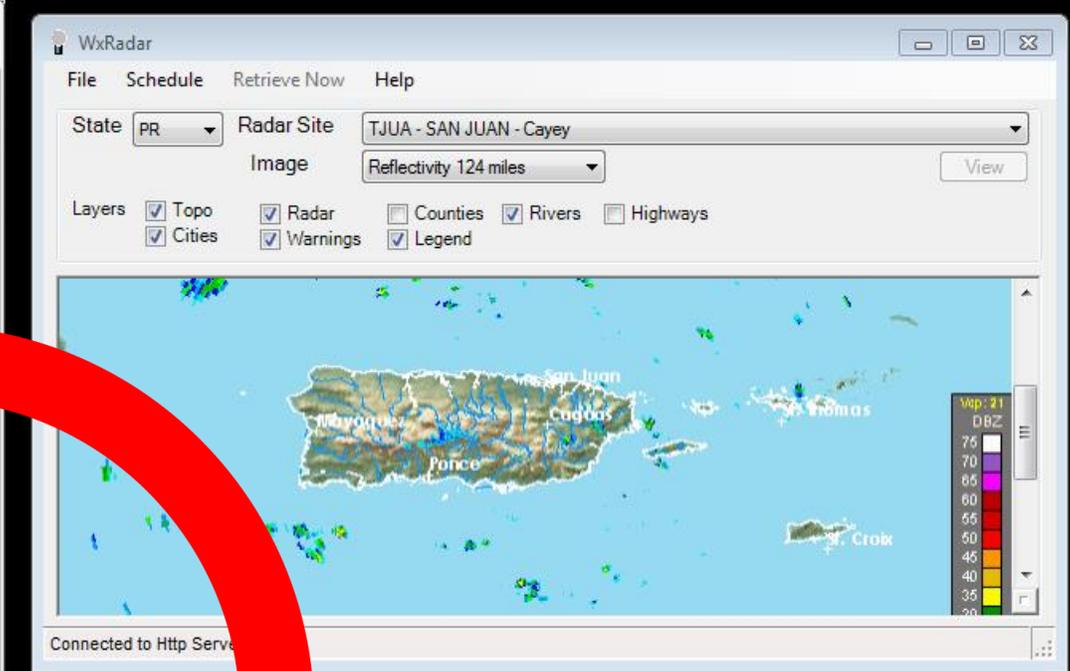
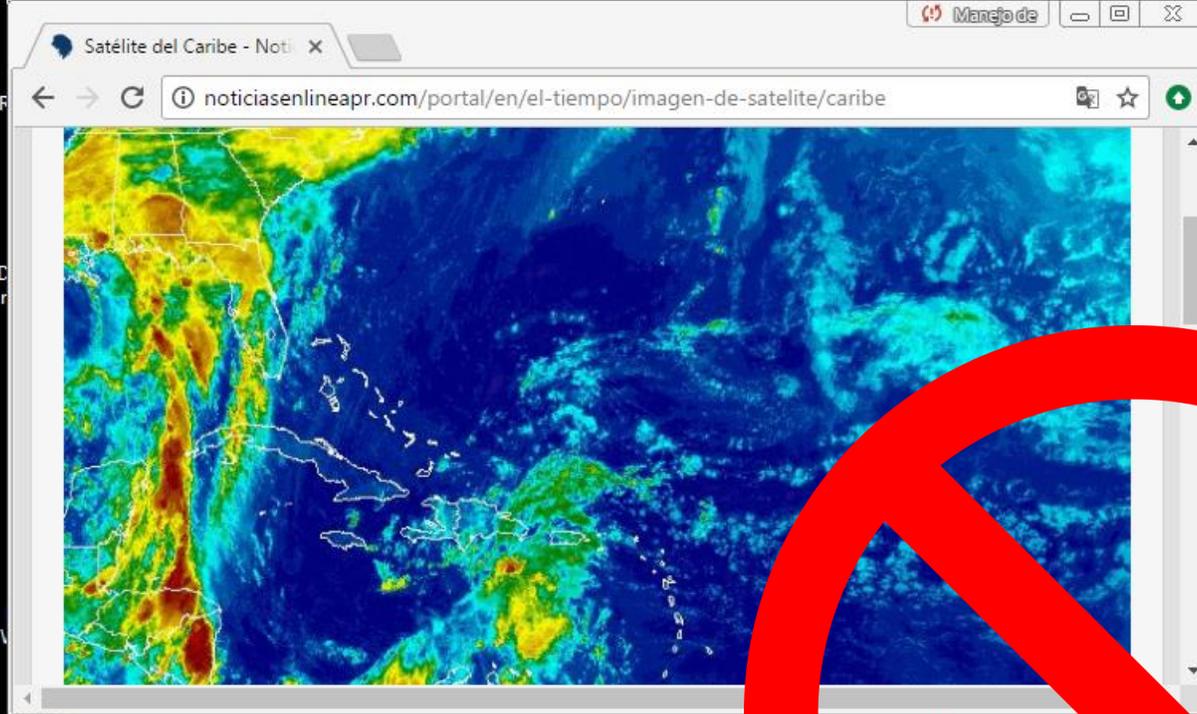


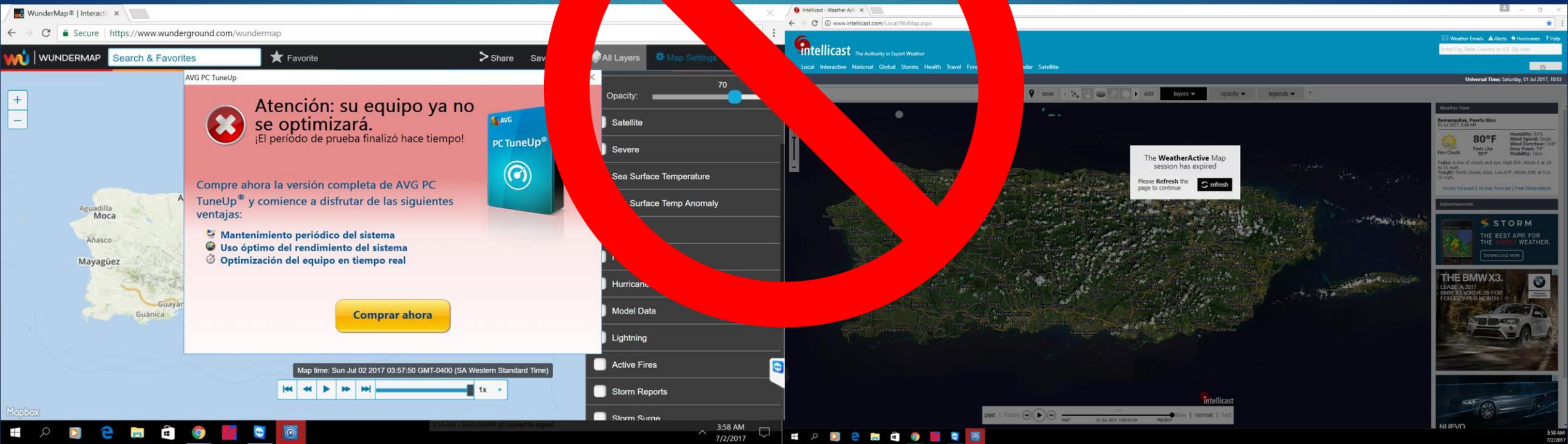
Las pruebas RSS son efectuadas el 4to Jueves del mes





# EJEMPLOS DE COMPUTADORAS EMWIN





Weather Message - Map

File Silence Map Views Save Image Help



Map Legend

- Tornado Warni
- Flash Flood W
- Thunderstorm
- Flash Flood W
- Thunderstorm
- Tsunami Warni
- Hurricane War

Received Coastal Waters Forecast

Connected - Weather Message Server 1:4480000 4:10 AM

Weather Message Server - 4.3

File Help

Processing

File : OBSU80JA.TXT  
Office: RJTD  
Date : 07/02/2017 08:00  
Local : 07/02/2017 04:00  
WMO : SNAU80  
AWIPS : SNAU80  
 : Surface Ship  
Report at Non-Sync  
Time

Status

TCP/IP  
Connection from 192.168.4.85  
Email  
Loaded Settings  
Fax  
Loaded Settings  
Image  
Loaded Settings  
X10  
Archive / FTP  
Print

1 Client

Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List

- CWFSJU
- SRFSJU
- SRFSJU
- CWFSJU
- NOWSPN**
- NOWSJU
- CWFSJU
- CWFSJU
- HWOSJU

Live Request Alarms

Product Code **HWOSJU** **Hazardo**

FLCA42 TJSJ 010840  
HWOSJU

Hazardous Weather Outlook  
National Weather Service San Juan PR  
440 AM AST Sat Jul 1 2017

AMZ710>745-PRZ001>013-020845-  
San Juan and Vicinity-Northeast-  
Southeast-Eastern Interior-  
North Central-Central Interior-Ponce and  
Vicinity-Northwest-  
Western Interior-Mayaguez and Vicinity-  
Southwest-Culebra-Vieques-  
The nearshore and off shore Atlantic and  
Caribbean Coastal Waters-  
440 AM AST Sat Jul 1 2017

Read Text E-Mail Message Print Message

Connected - Weather Message Server 4:10 AM

WxRadar

File Schedule Retrieve Now Help

State **PR** Radar Site **TJUA - SAN JUAN - Cayey**

Image Reflectivity 124 miles View

Layers  Topo  Radar  Counties  Rivers  Highways  
 Cities  Warnings  Legend



San Juan  
Mayaguez  
Ponce  
Caguas

EMWIN Ingest Engine

Help

Software Demodulator Software .../2 Internet

ing File Block

...A.TXT 1 of 1

Port Packet Length

Total Blocks 0

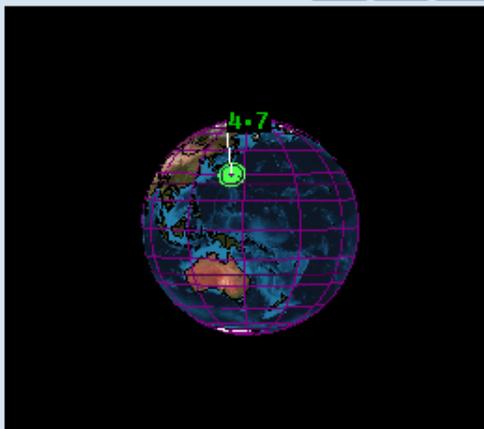
Bad Blocks 0 Block Sum 0

Error Percent 0.0 Block Count 0

SNAU80 RJTD 020800  
AAXX 02084  
94393 46/// /1224 10220 30189 40204 53005  
555 77744 BV128 T0307 44777=

Serial port Com1 opened.

EQ3D 04:10 Last Connec...



4.7

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:  Topo  Radar  Counties  Rivers  Highways  
 Cities  Warnings  Legend

National Weather Service WSR-88D Image from: JUA 07/01/2016 07:21 UTC ( 3:21 AM AST)

Received TJUA image at 07:24:50.

File Silence Map Views Save Image Help

Map Legend

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Storm
- Storm Wa
- Thundersto

File Silence Text Quick List Image Viewer Window Help

**Tornado**

Product List

- FFGSJU
- CWFSJU
- FFGSJU
- TMASGX
- TMACDB
- TMALOX
- TMAAFC
- TMASNP
- TMAMFR
- TMAAJK
- TMAMTR
- TMASEW
- TMAAFG
- TMAMFR
- TMAPQR
- TMAEKA
- TSUAKI**
- TSUWCA**
- AFDSJU
- CWFSJU
- FFGSJU
- NSSJU
- NSSJU

**Flash Flood Guidance**

FOUS62 KALR 100043  
FFGSJU  
COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
NATIONAL WEATHER SERVICE  
SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE FLASH FLOODING IN FORECAST ZONES. LOWER AMOUNTS MAY CAUSE FLASH FLOODING IN URBAN OR MOUNTAINOUS AREAS.

.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
:IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
:  
:IDENT 1HR 3HR 6HR ZONE NAME  
:-----  
PRZ001 1.1/ 2.0/ 2.8  
PRZ002 1.1/ 2.0/ 2.8  
PRZ003 1.1/ 2.0/ 2.8  
PRZ004 1.1/ 2.0/ 2.8  
PRZ005 1.4/ 1.9/ 2.5  
PRZ006 1.4/ 1.9/ 2.5  
PRZ007 1.4/ 1.9/ 2.5  
PRZ008 1.4/ 1.9/ 2.5  
PRZ009 1.4/ 1.9/ 2.5  
PRZ010 1.4/ 1.9/ 2.5  
PRZ011 1.4/ 1.9/ 2.5  
PRZ012 1.8/ 2.8/ 3.9  
PRZ013 1.8/ 2.8/ 3.9  
VIZ001 2.0/ 3.2/ 4.4  
VIZ002 2.0/ 3.0/ 4.2  
.END  
\$\$  
S.E.R.F.C. 770-486-0028 or 770-282-2112  
Regular Hours 6am-11pm Eastern Time  
After Hours Please Follow Callback Instructions  
-----Coastal Waters Forecast-----  
FZCA52 TJSJ 091955  
CWFSJU  
COASTAL WATERS FORECAST  
NATIONAL WEATHER SERVICE SAN JUAN PR  
355 PM AST THU JUN 9 2016  
PUERTO RICO AND U.S. VIRGIN ISLANDS WATERS  
SEAS ARE PROVIDED AS A RANGE OF THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST 10 PERCENT OF THE SEAS.  
AMZ700-100815-  
355 PM AST THU JUN 9 2016  
.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...  
SURFACE HIGH PRESSURE ACROSS THE EAST CENTRAL ATLANTIC WILL EXTEND TO THE BAHAMA ISLANDS FOR AT LEAST THE NEXT FIVE DAYS. THIS WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW INTO THE BEGINNING OF NEXT WEEK.  
\$\$

Connected - Weather Message Server

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File: AIRJ20FJ.TXT Block: 1 of 1 File Size: 1024

Port: Com2 Packet Length: 0

Total Blocks: 3992 Bad Header: 2

Bad Blocks: 3 Check Sum: 1

Error Percent: 0.1 Block Count: 1

UGFJ20 NFFN 100000  
NIL

Connected to 140.90.128.146.

File

Process: ...

File: ...  
Office: ...  
Date: 10/06/2016  
Local: 06/10/2016  
WMO: UPPFJ01  
AWIPS: UPPFJ01

Duplicate Message Received

Status: TCP/IP  
Connection Closed: 208...  
Email:  
Sent:

Loaded Settings  
Image  
Loaded Settings  
X10

Archive / FTP  
Receive File Error Connection failed: A connectio  
Print

Processing File Name: ...\RXFILES\AIRF01FJ.TXT

Processed: 3238/0 Message Clients: 2  
Alarm File: 1 Map Clients: 2

WxRadar

File Schedule Retrieve Now Help

State: PR Radar Site: TJUA - SAN JUAN - Cayey

Image: Reflectivity 124 miles View

Layers:  Topo  Radar  Counties  Rivers  Highways  
 Cities  Warnings  Legend

National Weather Service WSR-88D Image from: JUA 07/01/2016 07:21 UTC ( 3:21 AM AST)

Received TJUA image at 07:24:50.

Weather Message - Map

File Silence Map Views Save Image Help

Map Legend

- Coastal Flood
- Flash Flood W
- Flash Flood W
- Hurricane Fore
- Hurricane Wat
- Hurricane Stat
- Hurricane War
- High Wind Wal
- Marine Warnin
- Storm Watch
- Storm Warning
- Thunderstorm

PNS expired at 06/10/2016 00:00:00

Connected - Weather Message Server 11:01 AM

Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

Tornado

Product List

Live Request Alarms

Flash Flood Guidance

FOUS62 KAL 100043

FFGSJU  
 COUNTY FLASH FLOOD GUIDANCE...PUERTO RICO  
 NATIONAL WEATHER SERVICE  
 SOUTHEAST RIVER FORECAST CENTER...ATLANTA GA  
 841 PM EDT THU JUN 9 2016

INCHES OF RAINFALL FOR SPECIFIED DURATIONS REQUIRED TO PRODUCE  
 FLASH FLOODING IN FORECAST ZONES. LOWER AMOUNTS MAY CAUSE  
 FLASH FLOODING IN URBAN OR MOUNTAINOUS AREAS.

.B ALR 20160610 Z DH00/DC201606100041 /DUE/PPHCF/PPTCF/PRQCF  
 :IDENTIFIERS ARE 2-LETTER STATE, Z FOR ZONE, 3-DIGIT ZONE NUMBER  
 :  
 :IDENT 1HR 3HR 6HR ZONE NAME  
 :-----  
 PRZ001 1.1/ 2.0/ 2.8  
 PRZ002 1.1/ 2.0/ 2.8  
 PRZ003 1.1/ 2.0/ 2.8  
 PRZ004 1.1/ 2.0/ 2.8  
 PRZ005 1.4/ 1.9/ 2.5  
 PRZ006 1.4/ 1.9/ 2.5  
 PRZ007 1.4/ 1.9/ 2.5  
 PRZ008 1.4/ 1.9/ 2.5  
 PRZ009 1.4/ 1.9/ 2.5  
 PRZ010 1.4/ 1.9/ 2.5  
 PRZ011 1.4/ 1.9/ 2.5  
 PRZ012 1.8/ 2.8/ 3.9  
 PRZ013 1.8/ 2.8/ 3.9  
 VIZ001 2.0/ 3.2/ 4.4  
 VIZ002 2.0/ 3.0/ 4.2  
 .END  
 \$\$  
 S.E.R.F.C. 770-486-0028 or 770-282-2112  
 Regular Hours 6am-11pm Eastern Time  
 After Hours Please Follow Callback Instructions  
 -----Coastal Waters Forecast-----  
 FZCA52 TJSJ 091955  
 CWFSJU  
 COASTAL WATERS FORECAST  
 NATIONAL WEATHER SERVICE SAN JUAN PR  
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 OF THE SEAS...ALONG WITH THE OCCASIONAL HEIGHT OF THE AVERAGE HIGHEST  
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 AMZ700-100815-  
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 WILL PROMOTE A MODERATE TO LOCALLY FRESH EAST SOUTHEAST WIND FLOW  
 INTO THE BEGINNING OF NEXT WEEK.  
 \$\$

Connected - Weather Message Server 11:01 AM

WxEmwin - EMWIN Ingest Engine

File Port Help

Serial Ingest Software Demodulator Software Demodulator/2 Internet Ingest

Processing File Block File Size

AIRJ20FJ.TXT 1 of 1 1024

Port Com2 Packet Length 0

Total Blocks 3992 Bad Header 2

Bad Blocks 3 Check Sum 1

Error Percent 0.1 Block Count 1

UGFJ20 NFFN 100000  
 NIL

Connected to 140.90.128.146.

Weather Message Server 4.3

File Help

Processing

File : AIRF01FJ.TXT  
 Office: NFFN  
 Date : 100000  
 Local : 06/10/2016 00:00  
 WMO : UPFJ01  
 AWIPS : UPFJ01

Duplicate Message Received

Status

TCP/IP  
 Connection Closed: 208.64.252.230  
 Email  
 Sent Email to Group ANALISTAS-ALL  
 Fax  
 Loaded Settings  
 Page  
 Loaded Settings  
 Image  
 Loaded Settings  
 X10

Archive / FTP  
 Receive File Error Connection failed: A connectio  
 Print

Processing File Name  
 ..\RXFILES\AIRF01FJ.TXT

Processed 3238/0 Message Clients 2  
 Alarm File 1 Map Clients 2

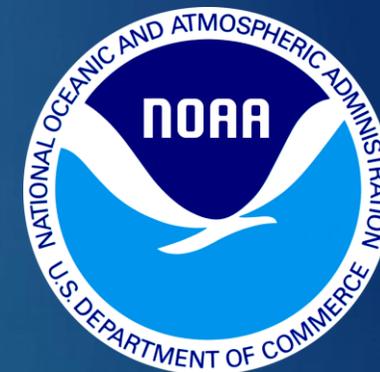
Weather Message - Message Client

File Silence Text Quick List Image Viewer Window Help

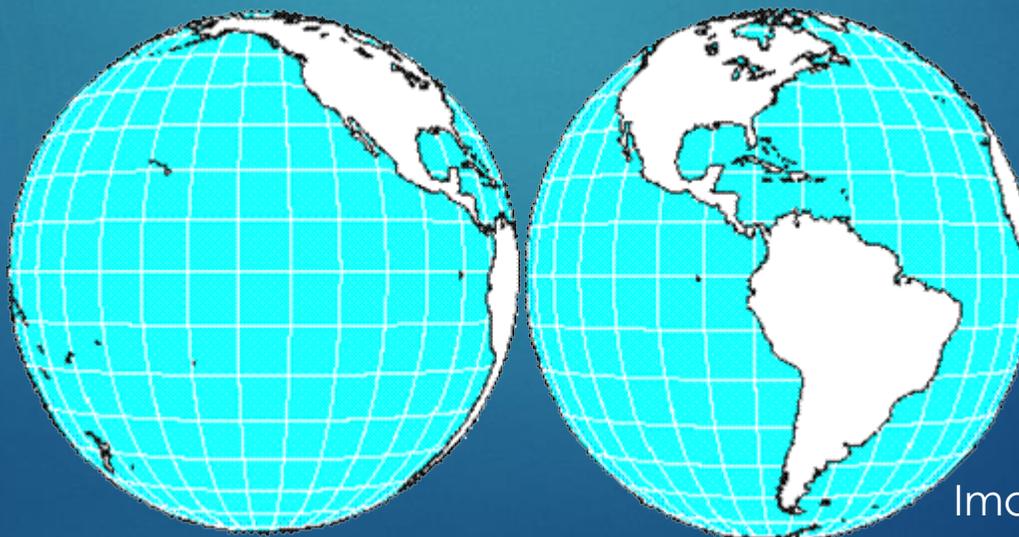
Connected - Weather Message Server 11:01 AM

# FUTURO DEL EMWIN

- ▶ Lanzamiento del nuevo satélite NOAA GOES: Octubre del 2016
- ▶ El nuevo satélite requiere cambios de hardware y software.
- ▶ Para el 2017 decidirán que estación reemplazará el nuevo satélite.



GOES 15- Oeste



GOES 13- Este

# | ¿PREGUNTAS?

59

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