# WeatherScanLOCAL by The Weather Channel PRODUCT GUIDE

| 1. | Ove                      | erview                                   | .4              |
|----|--------------------------|--|-----------------|
| 2. | Pac                      | kages                                    | . 5             |
| 2  | 2.1.                     | Core Package                             | 5               |
| 2  | 2.2                      | Mini- Core Package                       |                 |
| 2  | 2.3.                     | Extra Local Area Package                 | 6               |
| 2  | 2.4.                     | Spanish Forecast Package                 | 7               |
| 2  | 2. 1.<br>2. 5            | Summer Outdoor Activities Package        | ,               |
| 2  | 2.5.<br>2.6              | Winter Outdoor Activities Package        | 9               |
| 2  | 2.0.<br>9 7              | Golf Package                             | 10              |
| 2  | 2.7.<br>2.8              | Boat and Beach Package                   | 11              |
| 2  | 2.0.<br>9 g              | Gardening Package                        | 12              |
| 2  | 2.9.<br>2.10             | Skiing Package                           | 12              |
| 2  | ) 11                     | Fall Foliage Package                     | 1/              |
| 2  | ) 12                     | Halth Package                            | 15              |
| 2  | ) 13                     | Aviation Dackage                         | 16              |
| 2  | .13.<br>) 1 <i>1</i>     | Aviation 1 dekage                        | 17              |
| 2  | 2.14.<br>) 15            | Traval Outlook Dackage                   | 10              |
| 2  | .1 <i>.</i> 1.<br>) 16   | International Traval Dackaga             | 10              |
|    |                          |  | 17              |
| 3. | Bac                      | kground Themes                           | 20              |
| 4. | Fra                      | mes                                      | 21              |
| 4  |                          | Frame Elements                           | 21              |
|    | 1.1.                     | Title Page (intro screen) Frame          | 21              |
|    | 13                       | Menu Board Frame                         | 22              |
|    | г.Э.<br>ГЛ               | I ocal Radar Frame                       | $\frac{23}{24}$ |
| 4  | 1. <del>4</del> .<br>  5 | Dogional Dadar Frama                     | 24              |
| 4  | r.J.                     | Dagional Satallita Frama                 | 20              |
| 4  | F.O.<br>  7              | Current Conditions Frame                 | 20              |
| 4  | F./.<br>I Q              | L coal Observations Frame                | 21              |
| 4  | F.O.                     | 26 Hour Taxt Foreaset Frame              | 22              |
| 4  | 10 I I I                 | 5 Day Extended Ecrosoft Frame            | 32<br>22        |
| 4  | F. 10.                   | J- Day Extended Forecast Frame           | 24              |
| 4  | +.11.<br>  10            | Annanac Frame                            | 25              |
| 4  | ⊦.1∠.<br>⊢12             | L cool Observations Frame - Spanish      | 26              |
| 4  | 1.1 <i>3</i> .           | 5 Day Extended Ecrosoft Frome Spanish    | 27              |
| 4  | 14.                      | J- Day Extended Forecast Frame - Spanish | 20              |
| 4  | 1.13.                    | Annanac Frame - Spanish                  | 20              |
| 4  | 17                       | Current Devy Doints Frame                | 39<br>40        |
| 4  | F.17.                    | Current Heat Index Frame                 | 40              |
| 4  | 10.<br>10                | Current Winds Frame                      | 41              |
| 4  | 19.<br>190               | Current Wind Chills Frame                | 42              |
| 4  | F.20.                    | Estimated Descinitation Frame            | 43              |
| 4  | +.21.<br>L 22            | Colf Course Econocit Eromo               | 44              |
| 4  | F.22.                    | Colf Desert Forecast Frame               | 45              |
| 4  | +.23.<br>L 24            | Coll Resolt Forecast Frame               | 40              |
| 4  | +.∠4.<br>⊨ 25            | Freeipitation Forecast Frame.            | 4/<br>10        |
| 4  | +.∠J.<br>  76            | Forecast Wind Chill Frame                | 40<br>40        |
| 4  | +.∠0.<br>L 27            | FORCEAST WING UTITI FTAILE               | 49<br>50        |
| 4  | +.27.                    | Polecasi neat index Frame                | 50              |
| 4  | ⊧.∠ð.<br>L 20            | Dualing Forecast Frame                   | 51              |
| 4  | 1.29.                    | Coastal Wind Econocat/ Water Territor    | 52              |
| 4  | F.3U.                    | Coastal wind Forecast/ water remps Frame | 55              |
| 4  | +.31.<br>1.20            | FOIECast UV IIIUEX FTAILE                | 34<br>55        |
| 4  | F.32.                    | רומווכ הומווכ                            | 33              |

#### PRODUCT GUIDE



| 4.       | 33.           | Planting Calendar Frame        | 56         |
|----------|---------------|--------------------------------|------------|
| 4.       | 34.           | Date of Last Freeze Frame      | 57         |
| 4.       | 35.           | Frost / Freeze Warning Frame   | 58         |
| 4.       | 36.           | Snowfall Forecast Frame        | 59         |
| 4.       | 37.           | Ski Resort Conditions Frame    | 60         |
| 4.       | 38.           | 5-Day Ski Outlook Frame        | 61         |
| 4.       | 39.           | Normal Fall Foliage Frame      | 62         |
| 4.       | 40.           | Normal Fall Foliage Peak Frame | 63         |
| 4.       | 41.           | Fall Foliage Current Frame     | 64         |
| 4.       | 42.           | Tree Pollen Frame              | 65         |
| 4.       | 43.           | Mold Spores Frame              | 66         |
| 4.       | 44.           | Grass Pollen Frame             | 67         |
| 4.       | 45.           | Ragweed Frame                  | 68         |
| 4.       | 46.           | Pain Index Frame               | 69         |
| 4.       | 47.           | Respiratory Index Frame        | 70         |
| 4.       | 48.           | Influenza Reports Frame        | 71         |
| 4.       | 49.           | Airport Conditions Frame       | 72         |
| 4.       | 50.           | Jet Stream Frame               | 73         |
| 4.       | 51.           | 5000 Feet Winds Frame          | 74         |
| 4.       | 52.           | 10.000 Feet Winds Frame        | 75         |
| 4.       | 53.           | 34,000 Feet Winds Frame        | 76         |
| 4.       | 54.           | Local Airport Conditions Frame | 77         |
| 4.       | 55.           | Airport Delays Frame           | 78         |
| 4.       | 56.           | Travel Weather Frame           | 79         |
| 4.       | 57.           | Foggy Travel Frame             | 80         |
| 4.       | 58.           | Thunderstorm Forecast Frame    | 81         |
| 4.       | 59.           | Windy Travel Frame             | 82         |
| 4.       | 60.           | Europe Forecast Frame          | 83         |
| 4.       | 61.           | Mexico Forecast Frame          | 84         |
| 4.       | 62.           | South America Forecast Frame   | 85         |
| 4        | 6 <u>3</u>    | Southeast Asia Forecast Frame  | 86         |
| 4        | 63.<br>64     | Canada Forecast Frame          | 87         |
| 4        | 65            | Africa Forecast Frame          | 88         |
| 4        | 66.<br>66     | Australia Forecast Frame       | 89         |
| 4        | 67            | China and Janan Forecast Frame | 90         |
| ч.<br>4  | 68            | India Forecast Frame           | 91         |
| -т.<br>Л | 60.<br>69     | United Kingdom Forecast Frame  | 02         |
|          | 0).<br>70     | Caribbean Forecast Frame       | 93         |
|          | /0.           |                                | <i>,</i> , |
| 5.       | Sev           | ere Playlist                   | 94         |
| 6.       | Wat           | tches                          | 95         |
| 7.       | Wai           | rnings                         | 96         |
| 8.       | Adv           | visories                       | 97         |
| 9.       | Loc           | al Ad Sales (LAS) Crawls       | 98         |
| 10.      | Loc           | al Ad Crawl User Interface     | 99         |
| 11.      | Local Avails  |                                |            |
| 12       | Audio Support |                                |            |
|          |               | ·                              |            |

# 1. Overview

Weatherscan Local by The Weather Channel features customized, local weather information continuously, 24-hours a day.

Current conditions, forecast information, almanac data and satellite and radar images are built around customizable weather packages such as Golf, Boat and Beach, Gardening, Skiing, Travel and other outdoor activities.

Continuously updated throughout the day, Weatherscan Local can also provide viewers with audio forecasts reported by a Weather Channel Meteorologist. Weatherscan Local boxes that do not have this type of audio receive The Weather Channel's "Vocal Local" product.

An Affiliate may choose up to 5 customized Lifestyle Packages along with a Core Package of local weather information. Example:



Affiliates may take advantage of Weatherscan Local's LAS options:

- LAS Crawl
- Local Avails
- Sponsorship Logos

# 2. Packages

#### 2.1. Core Package

| Package Elements               | Product Order  |
|--------------------------------|--|
| The Core Package consists of a | Local Doppler  |
| Menu Board and 13-16 frames    | Current Conditions   |
|                                | Local Observations 1   |
|                                | Local Observations 2   |
|                                | Local Doppler  |
|                                | 36-Hour Text Forecast Daypart 1 (36-<br>Hour Daypart 1, page 2 if necessary) |
|                                | 36-Hour Text Forecast Daypart 2 (36-<br>Hour Daypart 2, page 2 if necessary) |
|                                | 36-Hour Text Forecast Daypart 3 (36-<br>Hour Daypart 3, page 2 if necessary) |
|                                | 5-Day Forecast   |
|                                | Almanac  |
|                                | Regional Satellite   |
|                                | Regional Doppler   |
|                                | Local Doppler  |

# 2.2. Mini- Core Package

| Package Elements   | Product Order  |
|--|--|
| The Mini-Core Package consists of a Menu Board and 7-10 frames | Local Doppler  |
|  | Current Conditions   |
|  | 36-Hour Text Forecast Daypart 1 (36-<br>Hour Daypart 1, page 2 if necessary) |
|  | 36-Hour Text Forecast Daypart 2 (36-<br>Hour Daypart 2, page 2 if necessary) |
|  | 36-Hour Text Forecast Daypart 3 (36-<br>Hour Daypart 3, page 2 if necessary) |
|  | 5-Day Forecast   |
|  | Local Doppler  |

## 2.3. Extra Local Area Package



| Package Elements   | Product Order  |
|--|--|
| The Extra Local Area Package consists of a Menu Board and 5-8 frames | Current Conditions   |
|  | 36-Hour Text Forecast Daypart 1<br>(36-Hour Daypart 1, page 2 if<br>necessary) |
|  | 36-Hour Text Forecast Daypart 2<br>(36-Hour Daypart 2, page 2 if<br>necessary) |
|  | 36-Hour Text Forecast Daypart 3<br>(36-Hour Daypart 3, page 2 if<br>necessary) |
|  | 5-Day Forecast   |

#### 2.4. Spanish Forecast Package



| Package Elements   | Product Order        |
|--|----------------------|
| The Spanish Forecast Package has all<br>text in Spanish (with the exception of<br>the Menu Board, Weatherscan Local<br>logo, date, and affiliate logo).                                    |                      |
| The Spanish Forecast Package   | Current Conditions   |
| consists of a Menu Board and 5 frames:   | Local Observations 1 |
|  | Local Observations 2 |
|  | 5-Day Forecast       |
|  | Almanac              |
| Icons with text are in Spanish.  |                      |
| Icon text modifiers are in Spanish.  |                      |
| On current conditions and local<br>observations frames, the wind direction<br>"west" is abbreviated as "O" instead of<br>"W". East ("E"), South ("S"), and North<br>("N") remain the same. |                      |
| The package name of the Spanish<br>language package on the Menu Board<br>is "Spanish Forecast".  |                      |
| The Spanish Forecast Package does<br>not include voice-over audio for the 36-<br>Hour Frame.   |                      |
| The Spanish Forecast Package does<br>not include voice-over audio for the<br>Extended Forecast Frame.  |                      |

#### 2.5. Summer Outdoor Activities Package



| Package Elements  | Product Order           |
|---|-------------------------|
| The Outdoor Activities – Summer<br>Package consists of a Menu Board and<br>5 frames | Current Temperatures    |
|   | Current Dew Points      |
|   | Current Heat Index      |
|   | Current Winds           |
|   | Estimated Precipitation |

#### 2.6. Winter Outdoor Activities Package



| Package Elements  | Product Order                               |
|---|---|
| The Outdoor Activities – Winter<br>Package consists of a Menu Board and | Current Temperatures<br>Current Wind Chills |
| 3 frames  | Current Winds                               |

# 2.7. Golf Package



| Package Elements                    | Product Order                    |
|-------------------------------------|----------------------------------|
| The Golf Package consists of a Menu | Golf Course Forecast (0-4 pages) |
| Board and 2 to 11 frames            | Golf Resort Forecast (0-4 pages) |
|                                     | Precipitation Forecast           |
|                                     | Forecast Winds                   |
|                                     | Forecast Wind Chill (Seasonal)   |
|                                     | Forecast Heat Index (Seasonal)   |

#### 2.8. Boat and Beach Package



| Package Elements   | Product Order   |
|--|---|
| The Boat and Beach Package consists of a Menu Board and 2 to 10 frames | Boating Forecast (0-4 pages)                                    |
|  | Coastal Waters Marine Forecast<br>Page 1 (Ocean locations only) |
|  | Coastal Waters Marine Forecast<br>Page 2 (Ocean locations only) |
|  | Coastal Waters Marine Forecast<br>Page 3 (Ocean locations only) |
|  | Coastal Wind Forecast/ Water<br>Temps                           |
|  | Forecast UV Index   |
|  | Tides (Location Dependent)<br>(Ocean only)                      |

## 2.9. Gardening Package



| Package Elements  | Product Order                     |
|---|-----------------------------------|
| The Gardening Package consists of a<br>Menu Board and 3 to 5 frames | Planting Calendar<br>(Seasonal)   |
|   | Date of Last Freeze<br>(Seasonal) |
|   | Frost/Freeze Warning              |
|   | Estimated Precipitation           |
|   | Precipitation Forecast            |

# 2.10. Skiing Package



| Package Elements  | Product Order                      |
|---|------------------------------------|
| The Skiing Package is made of a Menu<br>Board and 1 to 8 frames | Ski Resort Conditions (0-2 pages)  |
|   | Snowfall Forecast                  |
|   | Forecast Wind Chills<br>(Seasonal) |
|   | 5-day Ski Outlook (0-4 pages)      |

#### 2.11. Fall Foliage Package



| Package Elements  | Product Order                       |
|---|-------------------------------------|
| The Fall Foliage Package consists of a<br>Menu Board and 3 frames | Normal Foliage Peak<br>(Seasonal)   |
|   | Normal Foliage Peak 2<br>(Seasonal) |
|   | Fall Foliage (Seasonal)             |

#### 2.12. Health Package



| Package Elements   | Product Order                |
|--|------------------------------|
| The Health Package consists of a Menu<br>Board and 2 to 5 frames | Tree Pollen (Seasonal)       |
|  | Mold Spores (Seasonal)       |
|  | Grass Pollen (Seasonal)      |
|  | Ragweed (Seasonal)           |
|  | Pain Index (Seasonal)        |
|  | Respiratory Index (Seasonal) |
|  | Influenza Reports (Seasonal) |

#### 2.13. Aviation Package



| Package Elements  | Product Order      |
|---|--------------------|
| The Aviation Package is made of a Menu Board and 5 frames | Airport Conditions |
|   | Jet Stream         |
|   | 5,000 Ft. Winds    |
|   | 10,000 Ft. Winds   |
|   | 34,000 Ft. Winds   |

# 2.14. Airport Package



| Package Elements  | Product Order                              |
|---|--|
| The Airport Package consists of a Menu<br>Board and 1 to 6 frames | Local Airport Conditions (0-4<br>Pages)    |
|   | National Airport Conditions (0-2<br>Pages) |

#### 2.15. Travel Outlook Package



| Package Elements   | Product Order              |
|--|----------------------------|
| The Travel Outlook Package consists of a Menu Board and 4 frames | Travel Weather (Rain/Snow) |
|  | Foggy Travel               |
|  | Thunderstorm Forecast      |
|  | Windy Travel               |

#### 2.16. International Travel Package



| Package Elements   | Product Order   |
|--|-----------------|
| The International Travel Package   | Europe          |
| consists of a Menu Board and 6-11<br>frames  | Mexico          |
|  | South America   |
|  | Southeast Asia  |
|  | Canada          |
|  | Africa          |
|  | Australia       |
|  | China and Japan |
|  | India           |
|  | United Kingdom  |
|  | Caribbean       |
| Affiliate has the option to refuse some frames in this package. (Playlist will detail that information when applicable.) |                 |
| Affiliate must choose a minimum of 6 frames.   |                 |

# 3. Background Themes

| Package Elements  | Themes          |
|---|-----------------|
| Affiliates are able to select from the following Background Themes  | Urban/City      |
|   | Neighborhood    |
|   | Ocean – East    |
|   | Ocean – West    |
|   | Mountain – East |
|   | Mountain – West |
|   | Forest          |
|   | Southwest       |
| Background Themes only apply to<br>Menu Boards and Text/Icon Frames<br>within the Core Package, Mini Core<br>Package, and Extra Local Area<br>Package |                 |

# 4. Frames

#### 4.1. Frame Elements

| Frame Elements  | Comments |
|---|----------|
| All frames include a 'Banner' element.  |          |
| All frames include a 'Title' element.   |          |
| All frames include a 'Weatherscan Logo' element.  |          |
| All frames include an 'Operator Logo' element   |          |
| All frames include a 'Running Clock/Date' element.(Except on the title page and intro screen)   |          |
| Banner and Title, Weatherscan Logo, Operator Logo and Date/Clock are in the same location on all frames.(Except the title (intro) frame and menu boards which do not have date/clock) |          |
| Banners are transparent.  |          |
| The running clock format should be ( <i>hh:mm:ss AM/PM ; DOW MON XX</i> ).  |          |
| DOW= Day of week Should be abbreviated to three characters,<br>and MON=Month, abbreviated to three characters, XX=date.   |          |
| The length of the audio file determines the display time for frames with voice-over.  |          |
| The display time for all frames without voice-over is 10 seconds, unless otherwise required to accommodate package timing.  |          |

# 4.2. Title Page (intro screen) Frame



| Frame Elements  | Comments |
|---|----------|
| The title page consists of the Weatherscan Logo   |          |
| The title page consists of the Operator Logo  |          |
| The Operator Logo is placed in the lower left corner, within the safe area  |          |
| The title page displays for at least 4 seconds, but can display longer if required by the Weatherscan Client                              |          |
| The Title page frame does not have a clock or date in the lower right corner  |          |
| The Title page may be customized for certain customers with their city name (example: Weatherscan Local Atlanta) and a custom background. |          |

#### 4.3. Menu Board Frame



| Frame Elements  | Comments |
|---|----------|
| The Menu Boards have the 'Banner' element.  |          |
| The Menu Boards have the 'Title' element.   |          |
| The Menu Boards have the 'Weatherscan Logo' element.  |          |
| The Menu Boards have the 'Operator Logo' element  |          |
| The Menu Boards have the 'Package Name' elements.   |          |
| The Menu Boards have an arrow pointing to the package which will display next in the playlist   |          |
| The name of the package to display next is in white text.   |          |
| All other package name text is in yellow.   |          |
| The Package names are listed in display order and reflect the same order in the playlist.   |          |
| If the playlist contains only one package, the menu board still displays  |          |
| The background image for 'Your Local Forecast' (which includes<br>the Core Package, Mini-Core Package, and Extra Local Area<br>Package) is determined by the theme selected by the affiliate. |          |
| The background image for the Menu Board preceding each package is determined by that package. (Except for 'Your Local Forecast', as stated above.)  |          |
| Menu Boards display for 5 seconds, unless otherwise required to accommodate package timing.   |          |

#### 4.4. Local Radar Frame



| Frame Elements   | Comments |
|--|----------|
| Local Doppler consists of an animated Local Doppler Radar image.   |          |
| Local Radar Images older than two hours are purged from the active image list.   |          |
| Local Radar presents 120 min. (2 hours) of 5-minute Local Radar Images. (24 images)  |          |
| Local Radar Base maps include Detailed terrain base map, including topography, lakes, rivers and oceans.   |          |
| Local Radar Base maps include Interstate highways (white).   |          |
| Local Radar Base maps include Interstate highway signs (red, white and blue).  |          |
| Local Radar Base maps include City names and dots to mark city locations (Font color is white).  |          |
| Local Radar Base maps include Country borders (when applicable) (black).   |          |
| Local Radar Base maps include State borders (black).   |          |
| Local Radar Base maps include County borders (black).  |          |
| If anywhere in the valid 2-hour image file 5 consecutive images are missing, the loop is terminated and the Weatherscan client begins building a new loop as newer images are ingested                                 |          |
| When a loop is reconstructed, a static image will be displayed until at least 2 images are available.  |          |
| In the event that the host updates missing images for the valid 2-hour period, the client reconstructs the loop and starts displaying the updated images.  |          |
| If the local radar images are not available for the last 30 minutes (6 images) the system displays "Temporarily Unavailable" on blank local radar base map. <i>This image shall not have a valid time or a legend.</i> |          |

| The Affiliate can choose Core Network "Metro" radar: 60-75 mi. across (approx.).   |  |
|--|--|
| The Affiliate can choose Core Network "Ultra Close" radar: 150-300 mi. across (approx.)  |  |
| The Affiliate can choose Core Network "Close" radar: 450-600 mi. across (approx.)  |  |
| City names and highway signs have transparent characteristics to allow the radar echoes to be seen and still have the outlines of the city names and highway signs show through. |  |
| Highways and State, Country and County borders have 100% opacity and appear on top of the radar echoes.  |  |
| Each local radar image has Banner shading, including shading under the legend and valid time   |  |
| Each local radar image has Lower third shading.  |  |
| Each local radar image has Valid Time (PAST 2 HOURS)   |  |
| Valid time text is white.  |  |
| Local Radar is updated every 5 minutes.  |  |
| Local Radar images are updated upon receipt by the host  |  |
| The loop starts at image 24 (the newest image), holds for 12 frames, and then runs through image 1 through 23 (4 frames each) and holds image 24 again for 12 frames.            |  |
| All elements of the Local Radar Display are TWC configurable, including the rate of loop, pauses, and duration.  |  |
| The Local Ad crawl displays over the radar when applicable.  |  |
| Any active Warning, Watch, or Advisory for the Weatherscan Client's viewing area crawls over the local radar.  |  |
| The title is "Local Doppler".  |  |
| The legend is "LIGHT DODDODDOD HEAVY".   |  |

## 4.5. Regional Radar Frame



| Frame Elements  | Comments |
|---|----------|
| Regional radar consists of an animated regional radar image.  |          |
| Regional radar displays for a TWC-defined period of time.   |          |
| Regional radar images older than five hours are purged from the active image list.  |          |
| Regional radar presents 5 hours of 15-minute regional radar images (20 images)  |          |
| Regional radar base maps include detailed terrain base map, including topography, lakes, rivers, and oceans.  |          |
| Regional radar base maps include Country borders (black). (When applicable)   |          |
| Regional radar base maps include State borders (black).   |          |
| If 3 consecutive images are missing from anywhere in the valid 5-hour image file, the loop is terminated and the Weatherscan client begins building a new loop as newer images are ingested.                              |          |
| When a loop is reconstructed, a static image will be displayed until at least 2 images are available.   |          |
| In the event that the host updates missing images for the valid 5-hour period, the client reconstructs the loop and starts displaying the updated images.   |          |
| If the regional radar images are not available for the last 60 minutes (4 images), the system displays "Temporarily Unavailable" on a blank regional radar base map. (This image does not have a valid time or a legend). |          |
| Regional radar has the Core Network 10-Region projection (900 - 1400 mi. across (approx.)).   |          |
| State and Country borders have 100% opacity and therefore will appear on top of the radar echoes  |          |

| Each regional radar image has banner shading, including shading under the legend and valid time.  |  |
|---|--|
| Each regional radar image has Lower third shading.  |  |
| Each regional radar image has a Valid Time. (PAST 5 HOURS)  |  |
| Valid time text is white.   |  |
| Regional Radar is updated every 15 minutes.   |  |
| Regional Radar images are updated upon receipt by the host.   |  |
| The loop starts at image 20 (the newest image), holds for 12 frames, and then runs through image 1 through 19 (4 frames each) and holds image 20 again for 12 frames. |  |
| All elements of the local radar display are TWC configurable, including the rate of loop, pauses, and duration.   |  |
| The Local Ad crawl displays over the regional radar when applicable.  |  |
| Any active Warning, Watch, or Advisory for the Weatherscan Client's viewing area crawls over the regional radar.  |  |
| The title is "Regional Doppler".  |  |
| The legend is ' LIGHT DODDODDODDOD HEAVY'   |  |



#### **Frame Elements** Comments The Regional Satellite consists of an animated regional IR satellite image. The Regional Satellite displays for a TWC-defined period of time. Regional Satellite images older than 10 hours are purged from the active image list. Regional Satellite presents 10 hours of 30-minute regional satellite images. (20 images) The Regional Satellite base maps have a detailed terrain base map, including topography, lakes, rivers, and oceans. The Regional Satellite base maps have country borders (black). (When Applicable) The Regional Satellite base maps have state borders (black) If 4 consecutive images are missing from anywhere in the valid 10-hour image file, the loop is terminated and the Weatherscan client begins building a new loop as newer images are ingested. When a loop is reconstructed, a static image is displayed until at least 2 images are available. In the event that the host updates missing images for the valid 10-hour period, the client reconstructs the loop and starts displaying the updated images. If the regional satellite radar images are not available for the last 120 minutes (2) hours) (4 images), the system displays "Temporarily Unavailable" on a blank regional satellite base map. (This image does not have a valid time) The Regional Satellite has the Core Network 10-Region projection (900-1400 mi. across (approx.)). The Regional Satellite State and Country borders have 100% opacity and therefore appear on top of the satellite imagery.

#### 4.6. Regional Satellite Frame

| Each Regional Satellite image has banner shading, including shading under the valid time  |  |
|---|--|
| Each Regional Satellite image has a lower-third shading.  |  |
| Each Regional Satellite image has a Valid Time (PAST 10 HOURS)  |  |
| The valid time text is white.   |  |
| The Regional Satellite is updated every 30 minutes.   |  |
| The Regional Satellite images are updated upon receipt by the host.   |  |
| The loop starts at image 20 (the newest image), holds for 12 frames, and then runs through image 1 through 19 (4 frames each) and holds image 20 again for 12 frames. |  |
| All elements of the Regional Satellite display are TWC configurable, including the rate, pause, and duration.   |  |
| The Local Ad crawl displays over the Regional Satellite when applicable.  |  |
| Any active Warning, Watch, or Advisory for the Weatherscan Client's viewing area crawls over the Regional Satellite.  |  |
| The title for the Regional Satellite is "Regional Satellite".   |  |
| The Regional Satellite frame has no legend.   |  |

#### 4.7. Current Conditions Frame



| Frame Elements   | Comments |
|--|----------|
| The title is displayed as 'Current Conditions'   |          |
| 'Location Name' is displayed on the left side of the screen in mixed case white font.  |          |
| "HUMIDITY" is displayed on the left side of the screen in uppercase white font.  |          |
| The humidity value is displayed in white font on the left side of the screen, followed by a percent sign (example: 50%).                                       |          |
| "PRESSURE" is displayed on the left side of the screen in uppercase white font.  |          |
| The pressure value, in white font and in the unit inches (with two places after the decimal), is displayed on the left side of the screen (example: 30.02).    |          |
| "WIND" is displayed on the left side of the screen in uppercase white font.  |          |
| The wind direction abbreviation (in uppercase white font) and wind speed (in white font and mph) are displayed on the left side of the screen (example: NW 8). |          |
| If Wind speed is 0 mph, "Calm" is displayed in mixed case white font.  |          |
| "GUSTS" is displayed on the left side of the screen in uppercase white font.   |          |
| The wind gust value, followed by "mph" is dislayed in white font on the left side of the screen (example: 15 mph).   |          |
| If there are no Wind Gusts, "None" is displayed in mixed case white font.  |          |
| The 'Large Condition Icon' is displayed on the right side of the screen.   |          |
| At night 'Large Condition Icon' is displayed as a Moon vs. a Sun.  |          |
| The 'Icon Text Modifier' is displayed on the right side of the screen in uppercase white font.   |          |
| The 'Temperature' (in degrees Fahrenheit) is displayed on the right side of the screen in white font.  |          |

#### 4.8. Local Observations Frame



| Frame Elements  | Comments |
|---|----------|
| The banner title is displayed as "Current Conditions".  |          |
| The "N/A" icon is displayed in the icon column if there is no condition data available for that site. |          |
| Current data is displayed for 4 sites per page.   |          |
| Current data is 2 pages maximum.  |          |
| Current data is 8 sites maximum.  |          |
| The Local Observations frame includes the Location Names in mixed case white font.                    |          |
| The 4 locations are listed vertically.  |          |
| The 'TEMP' Column heading text is displayed in uppercase white font.                                  |          |
| The Temp in Fahrenheit is displayed for each location in white font.                                  |          |
| The Small Condition Icon is displayed for each location.  |          |
| The 'WIND' Column heading text is displayed in uppercase white font.                                  |          |
| The Wind Direction abbreviation is displayed for each location in uppercase white font.               |          |
| The Wind Speed (in mph) is displayed for each location in white font.                                 |          |
| If the wind equals 0 mph, 'Calm' is displayed in mixed case white font.                               |          |

#### 4.9. 36 – Hour Text Forecast Frame



| Frame Elements   | Comments |
|--|----------|
| The Title displays as '36 Hour Forecast'   |          |
| "National Weather Service" displays under the title in mixed case white font.  |          |
| The 36-hour forecast consists of 3-6 pages depending on the length of text for each daypart.   |          |
| Each page has the daypart displayed above the text forecast, in mixed case yellow font (example: Tonight).   |          |
| Each page contains text-forecast descriptions for a 12-hour period in mixed case white font.   |          |
| If affiliate has voice over option, the 36-Hour text forecasts will have voice-over support.   |          |
| If a voice-over is present, the voice-overs are sent to the XL as<br>three separate audio files that are associated with the<br>corresponding frame. |          |
| If a voice-over is present, the audio files and corresponding frames are transported to the XL at the same time.                                     |          |
| The data in frames always matches references in audio files.   |          |
| If voice-over audio is present, when it has concluded, the next frame in the playlist is displayed.  |          |
| When voice-over audio is played, background music is mixed down to bed level.  |          |
| When forecast audio has concluded, background music is returned to full level.   |          |
| Each frame of the 36-Hour Forecast displays for the exact length of the corresponding audio file.  |          |

# 4.10. 5- Day Extended Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The title displays as 'Extended Forecast'   |          |
| The extended forecast is for 5 days.  |          |
| The extended forecast is displayed horizontally.  |          |
| The Forecast data is for 1 site.  |          |
| The frame data contains Location Name in mixed case white font.   |          |
| If affiliate has voice-over option, voice-over audio is stored in WAV format.   |          |
| If affiliate has voice-over option, the voice-over audio file is a separate audio file that is associated with the Extended Forecast frame. |          |
| If affiliate has voice-over option, the voice-over file and corresponding frame is transported to the XL at the same time.                  |          |
| The frame data contains Day of the Week three-letter abbreviations for days 1-5 in uppercase white font (example: SAT).                     |          |
| The frame data contains Weather Icons for days 1-5.   |          |
| The frame data contains Icon text modifiers for days 1-5 in uppercase white font.   |          |
| The frame data contains High Temp for days 1-5 in yellow font.  |          |
| The frame data contains Low Temp for days 1-5 in white font.  |          |
| If affiliate has voice-over option, data in Extended Forecast frame always matches references in the voice-over.                            |          |
| If affiliate has voice-over option, when the forecast audio file has concluded, the next frame in the playlist is displayed.                |          |
| If voice-over audio is played, background music is mixed down to bed level.   |          |
| When forecast audio has concluded, background music is returned to full level.  |          |

#### 4.11. Almanac Frame



| Frame Elements   | Comments |
|--|----------|
| The banner title is displayed as 'Almanac'   |          |
| The Almanac frame includes the Sunrise header in mixed case white font.  |          |
| The Almanac frame includes the Sunset header in mixed case white font.   |          |
| The Almanac frame includes the Day 1 and Day 2 day name abbreviations in uppercase yellow font (example: SAT)  |          |
| The Almanac frame includes the sunrise time (followed by 'am')<br>and the sunset time (followed by 'pm') for the current day (Day 1)<br>in white font. |          |
| The Almanac frame includes the sunrise time (followed by 'am')<br>and the sunset time (followed by 'pm') for the next day (Day 2) in<br>white font.    |          |
| The sunrise and sunset data change to tomorrow and the next day (Day 2 and Day 3) around 8 P.M. local time.  |          |
| The "Moon Phases" header in mixed case white font is included.   |          |
| Four 'Moon Icons' are displayed, one each for New, First, Full, and Last.  |          |
| The 'Moon Icon Modifiers' are displayed in mixed case white font.  |          |
| The Date of the next 'New' Moon is displayed in yellow font.   |          |
| The Date of the next 'First' Moon is displayed in yellow font.   |          |
| The Date of the next 'Full' Moon is displayed in yellow font.  |          |
| The Date of the next 'Last' Moon is displayed in yellow font.  |          |

#### 4.12. Current Conditions Frame - Spanish



| Frame Elements  | Comments |
|---|----------|
| The title is displayed as "Condiciones Actuales." (English = 'Current Conditions')  |          |
| The location name is displayed on the left side of the screen in mixed case, white font.  |          |
| "HUMEDAD" is displayed on the left side of the screen, in uppercase, white font. (English = 'Humidity')   |          |
| The humidity value is displayed in white font on the left side of the screen, followed by a percent sign. (Example: 50%)  |          |
| "PRESIÓN" is displayed on the left side of the screen, in uppercase, white font. (English = 'Pressure')   |          |
| The pressure value, in white font and in the unit inches (with 2 places after the decimal), is displayed on the left side of the screen (Example: 30.02)          |          |
| "VIENTO" is displayed on the left side of the screen, in uppercase, white font. (English = 'Wind')  |          |
| The wind direction abbreviation (in uppercase white font) and wind speed (in mph and in white font) are displayed on the left side of the screen. (Example: SE 8) |          |
| Wind direction 'West' is abbreviated as "O" (for 'Oeste') instead of "W." East (E), South (S) and North (N) are the same abbreviations as in English.             |          |
| If wind speed is 0 mph, "Calma" is displayed, in mixed case, white font. (English = 'Calm')   |          |
| "RÁFAGAS" is displayed on the left side of the screen, in uppercase, white font. (English = 'Gusts')  |          |
| The wind gust value, followed by 'mph,' is displayed (in white font) on the left side of the screen. (Example: 15 mph)  |          |
| If there are no Wind Gusts, "No" is displayed, in mixed case, white font. (English = 'None')  |          |
| The Large Condition Icon is displayed on the right side of the screen, with text in Spanish when text is present.   |          |
| At night the Large Condition Icon is displayed as a Moon instead of a Sun.  |          |
| The Spanish Icon Text Modifier is displayed on the right side of the screen, in mixed case, white font.   |          |
| The Temperature (in degrees Fahrenheit) is displayed on the right side of the screen, in white font.  |          |

#### 4.13. Local Observations Frame - Spanish



| Frame Elements  | Comments |
|---|----------|
| The title is displayed as "Condiciones Actuales." (English = 'Current Conditions')  |          |
| The "N/A" icon is displayed in the icon column if there is no condition data available for that site.   |          |
| Current data displayed is for 4 sites per page.   |          |
| Current data is 2 pages maximum.  |          |
| Current data is 8 sites maximum.  |          |
| The Local Observations frame includes the Location Names in mixed case, white font.   |          |
| The 4 locations are listed vertically.  |          |
| The 'TEMP' Column heading text is displayed, in uppercase white font.   |          |
| The temperature in Fahrenheit is displayed for each location in white font.   |          |
| The Small Condition Icon is displayed for each location, with text in Spanish when text is present.   |          |
| The 'VIENTO' Column heading text is displayed, in uppercase white font.<br>(English = Wind)   |          |
| The Wind Direction abbreviation is displayed for each location, in uppercase, white font.   |          |
| Wind direction 'West' is abbreviated as "O" (for 'Oeste') instead of "W." East (E), South (S) and North (N) are the same abbreviations as in English. |          |
| The Wind Speed (in mph) is displayed for each location, in white font.  |          |
| If the wind equals 0 mph, 'Calma' is displayed, in mixed case, white font.  |          |
### 4.14. 5- Day Extended Forecast Frame - Spanish



| Frame Elements   | Comments |
|--|----------|
| The title displays as 'Pronóstico Extendido'   |          |
| (English = Extended Forecast)  |          |
| The extended forecast is for 5 days.   |          |
| The extended forecast is displayed horizontally.   |          |
| The Forecast data is for 1 site.   |          |
| The frame data contains Location Name in mixed case, white font.   |          |
| The frame data contains Day of the Week 3-letter or 4-letter abbreviations   |          |
| for days 1-5, in Spanish, in uppercase, white font. (Example: SAB)   |          |
| (Abbreviations are Monday = LUN; Tuesday = MAR; Wednesday = MIER<br>Thursday = JUE; Friday = VIER; Saturday = SÁB; Sunday = DOM) |          |
| The frame data contains Weather Icons for days 1-5, with text in Spanish when text is present.                                   |          |
| The frame data contains Icon text modifiers for days 1-5, in Spanish, and  |          |
| in mixed case, white font.   |          |
| The frame data contains High Temp for days 1-5, in yellow font.  |          |
| The frame data contains Low Temp for days 1-5, in white font.  |          |

# 4.15. Almanac Frame - Spanish



| Frame Elements  | Comments |
|---|----------|
| The banner title is displayed as 'Almanaque'  |          |
| The Almanac frame includes the 'Salida' (Sunrise) header in mixed case, white font.   |          |
| The Almanac frame includes the 'Puesta' (Sunset) header in mixed case, white font.  |          |
| The Almanac frame includes the Day 1 and Day 2 Spanish day name 3- or 4-letter abbreviations, in uppercase, yellow font. (Example: JUE)           |          |
| (Abbreviations are: Monday = LUN; Tuesday = MAR; Wednesday = MIER; Thursday = JUE; Friday = VIER; Saturday = SÁB; Sunday = DOM).                  |          |
| The Almanac frame includes the sunrise time (followed by 'am') and the sunset time (followed by 'pm') for the current day (Day 1), in white font. |          |
| The Almanac frame includes the sunrise time (followed by 'am') and the sunset time (followed by 'pm') for the next day (Day 2), in white font.    |          |
| The sunrise and sunset data change to tomorrow and the next day (Day 2 and Day 3) around 8 P.M. local time.                                       |          |
| The 'Fases de la Luna' (Moon Phases) header, in mixed case, white font, is included.  |          |
| Four Moon Icons are displayed, one each for Nueva (New), Creciente (First), Llena (Full) and Menguante (Last).                                    |          |
| The Spanish moon icon text modifiers are displayed, as listed above.  |          |
| The Date of the next New Moon is displayed, in Spanish, in yellow font.   |          |
| The Date of the next First Moon is displayed, in Spanish, in yellow font.   |          |
| The Date of the next Full Moon is displayed, in Spanish, in yellow font.  |          |
| The Date of the next Last Moon is displayed, in Spanish, in yellow font.  |          |
| All dates are listed with month first (in mixed case) and then the day (example: Feb 02).   |          |
| All months have the same 3-letter abbreviations in Spanish as in English, except the following:   |          |
| Jan = Ene; Apr = Abr; Aug = Ago; Dec = Dic  |          |

# 4.16. Current Temperatures Frame



| Frame Elements   | Comments |
|--|----------|
| The frame title displays as 'Current Temperatures'.  |          |
| The map cut is USA 4 region.   |          |
| No Legend is displayed.  |          |
| No valid time is displayed.  |          |
| The data is updated hourly.  |          |
| Regional cities are plotted on the map.  |          |
| The Regional Cities font color is yellow.  |          |
| The Temperature values are plotted for each city on the map.                                       |          |
| The Temperature values font color is white.  |          |
| The entire map is contoured with temperature contours.   |          |
| No base map is shown.  |          |
| Contour colors range from Dark Purple to Light Purple for temperatures of –60 through –10 degrees. |          |
| Contour colors range from Dark Pink to Medium Pink for temperatures of –9 through 19 degrees.      |          |
| Contour colors range from Dark Blue to Light Blue for temperatures of 20 through 49 degrees.       |          |
| Contour color for temperatures of 50 through 59 degrees is Beige.                                  |          |
| Contour color for temperatures of 60 through 69 degrees is Yellow.                                 |          |
| Contour color for temperatures of 70 through 79 degrees is Orange.                                 |          |
| Contour color for temperatures of 80 through 89 degrees is Dark Orange.                            |          |
| Contour color for temperatures of 90 through 99 degrees is Red.                                    |          |
| Contour color for temperatures of 100 through 109 degrees is Pink.                                 |          |
| Contour color for temperatures of 110 through 119 degrees is White.                                |          |
| Contour color for temperatures of 120 through 129 degrees is medium Pink.                          |          |

### 4.17. Current Dew Points Frame



| Frame Elements  | Comments |
|---|----------|
| The frame title is displayed 'Current Dew Points'                               |          |
| The map cut is USA 4 region   |          |
| The Legend is displayed as: $\Box$ 50s $\Box$ 60s $\Box$ 70s                    |          |
| Temperatures in the 50s are displayed as Light Green.                           |          |
| Temperatures in the 60s are displayed as Medium Green.                          |          |
| Temperatures in the 70s are displayed as Dark Green.                            |          |
| No valid time is displayed.   |          |
| Data updates once an hour.  |          |
| Regional cities are plotted on the map.   |          |
| The Regional Cities font color is yellow.                                       |          |
| Dew Point values are plotted for each city on the map.                          |          |
| The Dew Point font color is white.  |          |
| The map is contoured only in regions where dew points are 50 degrees or higher. |          |
| Where dew points are 49 degrees or lower, the base map shows.                   |          |

### 4.18. Current Heat Index Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is displayed as 'Current Heat Index'.  |          |
| The map cut is USA 4 region.   |          |
| There is no Legend.  |          |
| There is no Valid Time.  |          |
| The data is updated once an hour.  |          |
| The Regional cities are plotted on the map   |          |
| The font color for the regional cities is yellow.  |          |
| The Heat Index values are plotted for the cities on the map only if the heat index value is 84 degrees or higher.    |          |
| The Heat Index font color is white.  |          |
| The entire map is contoured with heat index contours.  |          |
| No base map shows.   |          |
| When there are no heat index values (where the temperature is too low), contours follow the actual air temperatures. |          |
| The Heat Index colors are the same colors as Current Temperatures.   |          |

### 4.19. Current Winds Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is displayed as 'Current Winds'   |          |
| The map cut is USA 4 region   |          |
| The Legend displays as: $\Box$ 10-20 $\Box$ 20-30 $\Box$ 30+ (mph)                            |          |
| 10-20 – displays as Light blue  |          |
| 20-30 – displays as Medium blue   |          |
| 30+ displays as Dark Blue   |          |
| There is no valid time.   |          |
| The data updates once an hour.  |          |
| The map is contoured where current sustained winds are 10 mph or greater.                     |          |
| Where sustained winds are less than 10 mph, the base map shows.                               |          |
| The wind contour colors are the same as defined in the legend.                                |          |
| For any observation site that is reporting a wind gust, it is plotted<br>on the map (in mph). |          |
| The font color of the wind gust is white.   |          |

### 4.20. Current Wind Chills Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is displayed as 'Current Wind Chills'   |          |
| The map cut is USA 4 region   |          |
| There is no legend.   |          |
| There is no valid time.   |          |
| The data is updated once an hour.   |          |
| Regional cities are plotted on the map.   |          |
| The font color for the regional cities is yellow.   |          |
| Wind chill values are plotted for the cities on the map only if the wind chill value is 39 degrees or lower.  |          |
| The Wind Chill value font color is white.   |          |
| Map will be contoured with wind chill contours only where the wind chills are in the 40s or lower. Where the values are in the 50s or higher, the map will be a consistent beige color (the color that is used for 50s on the current temperature map). |          |
| For wind chill values in the 40s and lower, contour colors are the same as the ones for Current Temperatures.   |          |

# 4.21. Estimated Precipitation Frame



| Frame Elements  | Comments |
|---|----------|
| The map title displays as "Est. Precipitation"  |          |
| The map cut is USA 4 region   |          |
| The Legend is .25"  |          |
| .25" and 1" the colors are light green- dark green.   |          |
| 6" the colors are yellow - orange   |          |
| 10" the colors are red – dark red   |          |
| 15" the color is white  |          |
| The valid time is SINCE 7am EST xxx (where xxx is abbreviation for day of week).                  |          |
| New valid time shows up for the first time each day around 8am EST (9am EDT)                      |          |
| The map is a Doppler radar estimation of how much precipitation has fallen since the stated time. |          |
| The map resets itself once every 24 hours (will see new image every day at 8 AM EST).             |          |
| If no precipitation has fallen in the area during the specified time, the map is blank            |          |

### 4.22. Golf Course Forecast Frame



| Frame Elements   | Comments |
|--|----------|
| The title is displayed as 'Golf Course Forecast'   |          |
| The Golf Course Forecast consists of 0-4 frames.   |          |
| One frame for each golf course selected by the Affiliate is displayed.   |          |
| The golf course forecast includes 5 days for each location. (Displayed horizontally)                                     |          |
| The data displayed is for only 1 site per frame.   |          |
| The Golf Course Name is displayed on the frame in mixed case white font.   |          |
| The Day of the Week 3-letter abbreviations (Days 1-5) are displayed on the frame in uppercase white font (example: MON). |          |
| The Weather Icon Element (Days 1-5) is displayed on the frame.   |          |
| The Icon text modifier Element (Days 1-5) is displayed on the frame in uppercase white font.                             |          |
| The High Temp Element (Days 1-5) is displayed on the frame in yellow font.   |          |
| The Low Temp Element (Days 1-5) is displayed on the frame in white font.   |          |

### 4.23. Golf Resort Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The title displays as 'Golf Resort Forecast'.   |          |
| The Golf Resort Forecast consists of 0-4 frames, one frame for each golf course selected by the Affiliate.    |          |
| The golf resort forecast includes 5 days for each location (displayed horizontally)                           |          |
| The weather data is for 1 site per frame.   |          |
| The Golf Resort Name is displayed in mixed case white font.   |          |
| The 'Day of the Week' 3-letter abbreviations (Days 1-5) are displayed in uppercase white font (example: MON). |          |
| The 'Weather Icon' element (Days 1-5) is displayed.   |          |
| The 'Icon text modifier' element (Days 1-5) is displayed in upper case white font.                            |          |
| The 'High Temp' element (Days 1-5) is displayed in yellow font.   |          |
| The 'Low Temp' element (Days 1-5) is displayed in white font.   |          |



| Frame Elements   | Comments |
|--|----------|
| The map title is displayed as 'Precipitation Forecast'   |          |
| The map cut is USA 4 region.   |          |
| The Legend is displayed as:□.1"□.5" □1" □1-3" □3-6" □6-12"□ 12"+.  |          |
| .1" is displayed as Light Green.   |          |
| .5" is displayed as Medium green.  |          |
| 1" is displayed as Darker green.   |          |
| 1-3" is displayed as Grey.   |          |
| 3-6" is displayed as White.  |          |
| 6-12" is displayed Lt. Purple.   |          |
| 12"+ is displayed as Purple  |          |
| One of these three conditions occurs at any given time:  |          |
| <ul> <li>Valid time is displayed as THROUGH EARLY EVENING (appears around<br/>4 AM ET, no later than 5 AM).</li> </ul>   |          |
| <ul> <li>Valid time is displayed as THROUGH MID-AM xxx, Where xxx is<br/>abbreviation for day of week. Appears around 6 PM ET, no later than 7<br/>PM ET, and at that point xxx should be the next day.</li> </ul> |          |
| <ul> <li>Valid time is displayed as THROUGH MIDNIGHT (Appears around 10 AM<br/>ET, no later than 11 AM ET).</li> </ul>   |          |
| Maps have rain and/or snow forecast amounts present, depending on the weather pattern.   |          |
| If there is no precipitation forecast to accumulate in the region through the valid time period, the map is blank.   |          |
| If the annotation layer is present on the map it is in uppercase white font.   |          |

# 4.24. Precipitation Forecast Frame

### 4.25. Forecast Winds Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is displayed as 'Forecast Winds'.  |          |
| The map cut is USA 4 region.   |          |
| The Legend displays as: 010-20 020-30 030+ (mph)                                       |          |
| 10-20 is displayed as Light Blue.  |          |
| 20-30 is displayed as Medium Blue.   |          |
| 30+ displays as Dark Blue.   |          |
| Valid time is displayed as the Day of week.  |          |
| Valid time is the current day name until approx. 3 PM EDT/EST, then the next day name. |          |
| If there is no wind forecast above 10 mph in the region, the map is blank.             |          |

### 4.26. Forecast Wind Chill Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is displayed as 'Forecast Wind Chill'.   |          |
| The map cut is USA 4 region.   |          |
| The Legend is: -80 □ -60 □ -40 □ -20 □ 0 □ 20 □ 40.  |          |
| -80 to -60 displays as Dark Purple.  |          |
| -60 to -40 displays as Medium Purple.  |          |
| -40 to -20 displays as Medium -Light Purple  |          |
| -20 to 0 displays as Light Purple.   |          |
| 0 to 20 displays as Medium Pink- Purple.   |          |
| 20 to 40 displays as Light Blue  |          |
| Valid time is the 'Day of week'.   |          |
| Valid time is the current day name until approx. 3 PM EDT/EST, then next day name.   |          |
| These maps will only be available $11/1 - 4/30$ (approximately).   |          |
| The map shows contours of forecast wind chills. In areas where the wind chill is forecasted to be above 40 degrees, the base map displays. |          |

### 4.27. Forecast Heat Index Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is displayed as 'Forecast Heat Index'.  |          |
| The map cut is USA 4 region.  |          |
| The legend is displayed as:  MODERATE  HIGH DANGER  |          |
| Moderate displays as yellow.  |          |
| High displays as orange.  |          |
| Danger displays as red.   |          |
| Valid time is the Day of week.  |          |
| Valid time is current day name until approx. 3 PM EDT/EST, then next day name.                        |          |
| These maps will only be available $5/1 - 9/30$ (approximately).                                       |          |
| If there is no forecast of moderate, high, or dangerous heat indices in the region, the map is blank. |          |

### 4.28. Boating Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The title is displayed as 'Boating Forecast'.   |          |
| The Boating Forecast includes 5 days.   |          |
| The Boating Forecast is displayed horizontally.   |          |
| The forecast location is a coastal location on a lake or ocean.                                     |          |
| The Weather data displayed is for 1 site.   |          |
| The frame includes the Location Name element in mixed case white font.                              |          |
| The frame includes the Day of the Week 3-letter abbreviations (Days 1-5) element.                   |          |
| The frame includes the 'Weather Conditions Icon' (Days 1-5) in uppercase white font (example: MON). |          |
| The frame includes the 'Icon text modifier' (Days 1-5) element in uppercase white font.             |          |
| The frame includes the 'High Temp' (Days 1-5) element in yellow font.                               |          |
| The frame includes the 'Low Temp' (Days 1-5) element in white font.                                 |          |

### 4.29. Coastal Waters Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The title is displayed as 'Coastal Waters Forecast'   |          |
| "National Weather Service" displays under the title in mixed case white font.                             |          |
| The text forecast consists of 3-6 pages, depending on the length of text for each daypart.                |          |
| Each page has the daypart displayed above the text forecast in mixed case yellow font (example: Tonight). |          |
| Each page contains text-forecast descriptions for a 12-hour period in mixed case white font.              |          |

### 4.30. Coastal Wind Forecast/ Water Temps Frame



| Frame Elements   | Comments |
|--|----------|
| The Map Title is displayed as 'Forecast Coastal Winds'                                       |          |
| The Map cut is USA 3 region  |          |
| The Legend is displayed as $\Box$ 10-20 $\Box$ 20-30 $\Box$ 30+ (mph).                       |          |
| 10-20 displays as yellow.  |          |
| 20-30 displays as orange.  |          |
| 30+ displays as red.   |          |
| The valid time is 'Day of week'.   |          |
| Valid time is current day name until approx. 3 PM EDT/EST, then next day name.               |          |
| Coastal winds are forecasted along all US Ocean, Gulf of Mexico, and Great Lakes shorelines. |          |
| Plotted numbers on the map are shoreline water temperatures.                                 |          |
| Font color for the plotted numbers is white.   |          |
| Great Lakes water temperatures may not be available in winter.                               |          |

### 4.31. Forecast UV Index Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is 'Ultraviolet Forecast'.  |          |
| The map cut is USA 4 region.  |          |
| The Legend is displayed as LOW  |          |
| The colors are Dark Grey to Light Grey (4 shades), Brown/Grey,<br>Brown/Yellow, Yellow, Orange, Dark Orange, Red, and Pinks (2<br>shades) |          |
| The valid time displays as the Day of week  |          |
| The valid time is for the current day name until approx. 3 PM EDT/EST, then next day name.  |          |
| The map has UV Index values for certain cities plotted on the map.  |          |
| The font color for UV Index values is white.  |          |
| The city names themselves are not plotted.  |          |
| The entire map is contoured with UV index contours.   |          |
| No base map shows.  |          |
| The blue NOAA (National Oceanic and Atmospheric Association) logo appears on the map.   |          |

## 4.32. Tides Frame



| Frame Elements  | Comments |
|---|----------|
| The title is 'Tides'.   |          |
| The frame displays two tide locations in mixed case white font.                           |          |
| The 2 tide locations are valid reporting stations as established by the tide data vendor. |          |
| Sunrise and Sunset times are for 1 location which appears in mixed case white font.       |          |
| Sunrise and Sunset is for 1 day.  |          |
| The High Tide header is displayed in mixed case yellow font.                              |          |
| Two high tide times are displayed for each tide location in mixed case white font.        |          |
| The Low Tide header is displayed in mixed case yellow font.                               |          |
| Two low tide times are displayed for each tide location in mixed case white font.         |          |
| The sunrise header is displayed in mixed case yellow font.                                |          |
| The sunrise time is displayed in mixed case white font.                                   |          |
| The sunset header is displayed in mixed case yellow font.                                 |          |
| The sunset time is displayed in mixed case white font.                                    |          |

# 4.33. Planting Calendar Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is 'Planting Calendar'.   |          |
| The Map cut is National.  |          |
| There is no Legend.   |          |
| The Valid time is dependent on the current date.  |          |
| One of the following valid times is displayed: Early April, Late April, Early May, Mid May, Late May, Early June. |          |
| These maps are only available April through Early June.   |          |
| Maps show areas where certain flowers or vegetables can be planted at the current time.                           |          |
| The map is contoured with different colors to delineate regions with similar climate.                             |          |
| The flowers or vegetable names are spelled out.   |          |
| The flowers or vegetables are plotted on the correct regions.   |          |
| The font color is white.  |          |

### 4.34. Date of Last Freeze Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is 'Average Last Freeze'.  |          |
| The map cut is National.   |          |
| There is no Legend.  |          |
| There is no valid time.  |          |
| The map is contoured with different shades of purple, pink, and white to delineate regions with similar average last freeze dates. |          |
| In the extreme southern U.S., the basemap shows  |          |
| This map is only available March through May   |          |
| The dates of the average last freeze are spelled out and plotted on the correct regions. For Example: March 15                     |          |
| The font color is white  |          |

# 4.35. Frost / Freeze Warning Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "Frost/Freeze Warnings".   |          |
| The Map cut is USA 4 region.  |          |
| The Legend is GROST GREEZE  |          |
| Frost is displayed as light pink.   |          |
| Freeze is displayed as dark pink.   |          |
| Valid time is OVERNIGHT xxx.  |          |
| xxx is abbreviation for day of week.  |          |
| Valid time is OVERNIGHT [current day] until 5 AM EDT/EST the next morning.  |          |
| Frost Warnings / Advisories are plotted on the map.   |          |
| Freeze Warnings / Advisories are plotted on the map.  |          |
| If there is no Frost and/or Freeze advisories and/or warnings in effect for anywhere in the U.S. the statement "No Advisories Valid at this time" is displayed. |          |
| If there are warnings and/or advisories in effect for certain regions of the US, maps of the regions without warnings/advisories are blank.                     |          |

### 4.36. Snowfall Forecast Frame



| Frame Elements   | Comments |
|--|----------|
| The Map Title is 'Snowfall Forecast'.  |          |
| The Map cut is USA 4 region.   |          |
| The Legend shall be: □1-3" □3-6" □6-12" □12"+  |          |
| 1-3" displays as Grey  |          |
| 3-6" displays as White   |          |
| 6-12" displays as Lt. Purple   |          |
| 12" + displays as Purple   |          |
| One of these three conditions occurs at any given time:  |          |
| <ul> <li>Valid time: THROUGH EARLY EVENING appears around 4<br/>AM ET, no later than 5 AM ET.</li> </ul>   |          |
| <ul> <li>Valid time: THROUGH MID-AM xxx, where xxx is<br/>abbreviation for day of week Appears around 6 PM ET, no<br/>later than 7 PM ET, and at that point xxx should be the next<br/>day.</li> </ul> |          |
| <ul> <li>Valid time: THROUGH MIDNIGHT appears around 10 AM<br/>ET, no later than 11 AM ET.</li> </ul>  |          |
| Forecast snow accumulation is shown on the map.  |          |
| If there is no snow forecast to accumulate in the region through<br>the valid time period, the map is blank.   |          |

### 4.37. Ski Resort Conditions Frame



| Frame Elements   | Comments |
|--|----------|
| The banner title is "Ski Conditions".  |          |
| Call Ahead or No Report may display if portions of the data are missing, corrupt, or expired.  |          |
| Valid day and day part is displayed in all caps, white font. (Example MONDAY AM)   |          |
| Ski data is 3 resorts per page.  |          |
| Ski data is 2 pages maximum  |          |
| Ski data is 6 sites maximum  |          |
| The Ski Conditions frame consists of the Location Name element   |          |
| The Ski Conditions frame consists of 3 locations, listed vertically, in mixed case, white font.  |          |
| The Ski Conditions frame consists of the New Snow element.   |          |
| The Ski Conditions frame consist of the "NEW SNOW" Column heading text, in all caps, yellow font.  |          |
| New Snow includes 1 number for each location, followed by double quotation marks to indicate inches (Example: 32").  |          |
| The Ski Conditions frame consists of the Base Snow Element.  |          |
| The Ski Conditions frame consists of the BASE SNOW Column heading text, in all caps, yellow font.  |          |
| Base Snow Range includes 1 number or range of numbers for each location, with the last number followed by quotation marks to indicate inches (Example: 32-64").  |          |
| The Number of trails open (East) or percentages of trails open (West) is displayed for each location.  |          |
| For the east, a number followed by the word "Trails" is displayed in mixed case, white font (Example: 13 Trails), except if only one trail is open, the word "Trail" shall be displayed after the number "1" (Example: 1 Trail). |          |
| For the west, a percentage followed by the word "Open" is displayed in mixed case, white font (Example: 100% Open).  |          |
| The snow surface condition element is displayed for each location in mixed case, white font (Example: Packed Powder).  |          |

### 4.38. 5-Day Ski Outlook Frame



| Frame Elements  | Comments |
|---|----------|
| The Frame title is displayed as 'Ski Outlook'   |          |
| The affiliate has the ability to select up to 4 locations.                                      |          |
| 1 location is displayed per frame, for a total of up to 4 Frames.                               |          |
| The 5-Day Ski Outlook forecast includes 5 days on each Frame.                                   |          |
| The 5- Day Ski Outlook forecast is displayed horizontally.                                      |          |
| The Frame contains the Ski Resort name in mixed case white font.                                |          |
| The Frame contains Day of the Week 3-letter abbreviations for days 1-5 in uppercase white font. |          |
| The Frame contains Conditions Icon for days 1-5.  |          |
| The frame contains Icon text modifier for days 1-5 in uppercase white font.                     |          |
| The frame contains High Temp for days 1-5 in yellow font.                                       |          |
| The Frame contains Low Temp for days 1-5 in white font.   |          |

# 4.39. Normal Fall Foliage Frame



| Frame Elements   | Comments |
|--|----------|
| The frame title is displayed as "Normal Foliage Peak".                                     |          |
| The map cut is USA Foliage 4 region  |          |
| The Legend is  PAST  EARLY  MIDDLE  LATE   |          |
| The color for Past is Red.   |          |
| The color for Early is Red/Orange.   |          |
| The color for Middle is Orange   |          |
| The color for Late is Dark Yellow  |          |
| Valid time is the current month September, October, or November, in upper case white font. |          |
| The maps are only available September through November.                                    |          |
| The base map shows for areas where no data is available.                                   |          |

### 4.40. Normal Fall Foliage Peak Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is displayed as Normal Foliage Peak         |          |
| The map cut is USA Foliage 4 region.                      |          |
| The Legend is displayed as LATE SEPT                      |          |
| The legend display includes Dark Red.                     |          |
| The legend display includes Red/orange.                   |          |
| The legend display includes Orange.                       |          |
| The legend display includes Dark yellow.                  |          |
| The legend display includes Light yellow.                 |          |
| No valid time is displayed.                               |          |
| These maps are only available September through November. |          |
| The base map shows for areas where no data is available.  |          |

# 4.41. Fall Foliage Current Frame



| Frame Elements   | Comments |
|--|----------|
| The frame title is Fall Foliage.   |          |
| The map cut is USA Foliage 4 region  |          |
| The Legend is  PAST  PEAK  NEAR  PATCHY                                      |          |
| The colors for Past is Red.  |          |
| The colors for Peak is Red/Orange.   |          |
| The colors for Peak is Orange.   |          |
| The colors for Patchy is Dark Yellow.  |          |
| Valid time is displayed AS OF [MONTH, DATE] (for example, AS OF NOVEMBER 19) |          |
| The maps are available September through November.                           |          |
| The data is updated at least one time per week in season.                    |          |
| The base map shows for areas where no data is available.                     |          |



#### 4.42. Tree Pollen Frame

| Frame Elements   | Comments |
|--|----------|
| Map title is "Tree Pollen".  |          |
| The map cut is USA 4 region.   |          |
| The Legend is LOW □□□□ HIGH.   |          |
| Light Yellow is displayed in the legend.   |          |
| Dark Yellow is displayed in the legend.  |          |
| Orange is displayed in the legend.   |          |
| Orange-Red is displayed in the legend.   |          |
| Red is displayed in the legend.  |          |
| The valid time displays as the day of week.  |          |
| The valid time is current day name until approx. 3 PM EDT/EST, then next day name. |          |
| Maps are only available 3/22 – 6/30 (approx.)                                      |          |
| The base map shows for areas where no data is available                            |          |



## 4.43. Mold Spores Frame

| Frame Elements   | Comments |
|--|----------|
| The map title is Mold Spores   |          |
| The map cut is USA 4 region  |          |
| The legend is LOW  |          |
| Light yellow is displayed on the legend.                                       |          |
| Dark yellow is displayed on the legend.  |          |
| Orange is displayed on the legend.   |          |
| Orange-Red is displayed on the legend.   |          |
| Red is displayed on the legend.  |          |
| Valid time is day of week.   |          |
| Valid time is current day name until approx. 3 PM EDT/EST, then next day name. |          |
| These maps are only available 3/22 – 10/31 (approx.)                           |          |
| The base map shows for areas where no data is available.                       |          |



| Frame Elements   | Comments |
|--|----------|
| The map title is Grass Pollen.   |          |
| The map cut is USA 4 region.   |          |
| The Legend is LOW  |          |
| Light yellow is displayed on the legend.                                       |          |
| Dark yellow is displayed on the legend.  |          |
| Orange is displayed on the legend.   |          |
| Orange-red is displayed on the legend.   |          |
| Red is displayed on the legend.  |          |
| The valid time is the day of week.   |          |
| Valid time is current day name until approx. 3 PM EDT/EST, then next day name. |          |
| The maps are only available 5/15 – 8/31 (approx.)                              |          |
| The base map shows for areas where no data is available.                       |          |



#### 4.45. Ragweed Frame

| Frame Elements   | Comments |
|--|----------|
| The map title is Ragweed.  |          |
| The map cut is USA 4 region.   |          |
| The legend is LOW DDDD HIGH.   |          |
| Light yellow is displayed on the legend.                                       |          |
| Dark yellow is displayed on the legend.  |          |
| Orange is displayed on the legend.   |          |
| Orange-red is displayed on the legend.   |          |
| Red is displayed on the legend.  |          |
| The valid time is the day of week.   |          |
| Valid time is current day name until approx. 3 PM EDT/EST, then next day name. |          |
| The maps are only available 8/1 – 10/31 (approx.)                              |          |
| The base map shows for areas where no data is available.                       |          |



#### 4.46. Pain Index Frame

| Frame Elements   | Comments |
|--|----------|
| The map title is Pain Index.   |          |
| The map cut is USA 4 region.   |          |
| The Legend is  BELOW  NORMAL  ABOVE  |          |
| Below is displayed as Grey.  |          |
| Normal is displayed as Yellow.   |          |
| Above is displayed as Orange.  |          |
| The Valid Time is Day of week.   |          |
| Valid Time is current day name until approx. 3 PM EDT/EST, then next day name.             |          |
| The maps are only available 10/22 – 4/30 (approx.)   |          |
| All parts of map are contoured with one of the three colors above; no base map shall show. |          |

# 4.47. Respiratory Index Frame



| Frame Elements   | Comments |
|--|----------|
| The Map Title is Respiratory Index   |          |
| The Map cut is USA 4 region  |          |
| The Legend is  BELOW  NORMAL  ABOVE  |          |
| The Below is displayed as Grey.  |          |
| The Normal is displayed as Yellow.   |          |
| The Above is displayed as Orange.  |          |
| The Valid Time is Day of week.   |          |
| Valid Time is current day name until approx. 3 PM EDT/EST, then next day name.             |          |
| The maps are only available 10/22 – 4/30 (approx.)   |          |
| All parts of map are contoured with one of the three colors above; no base map shall show. |          |

### 4.48. Influenza Reports Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is 'Influenza Reports'   |          |
| The map is USA 4 region  |          |
| The Legend is  SPORADIC  REGIONAL  WIDESPREAD                                |          |
| Sporadic is displayed as Yellow.   |          |
| Regional is displayed as Orange.   |          |
| Widespread is displayed as Red   |          |
| The Valid Time is AS OF (Month and Date). For example, AS OF NOVEMBER 18.    |          |
| The Influenza Reports frame is updated once a week in season.                |          |
| The maps are only available 12/1 – 4/30.                                     |          |
| Each state is filled with color if data is available.                        |          |
| If there is no data for certain states, the base map for those states shows. |          |

# 4.49. Airport Conditions Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is Airport Conditions  |          |
| The Map cut is National  |          |
| The Legend is O IFR  |          |
| IFR displays as a Red circle   |          |
| MVFR displays as a Blue square   |          |
| There is no Valid Time.  |          |
| The Image is comprised of the Current Infrared Satellite picture layer                             |          |
| The Image is comprised of the Data layer with the above symbols plotted at airports around the US. |          |


#### 4.50. Jet Stream Frame

| Frame Elements   | Comments |
|--|----------|
| The map title is Jet Stream  |          |
| The map cut is North America   |          |
| There is no Legend.  |          |
| The Valid Time is Day of week  |          |
| Valid Time is current day name after approx. 12 PM EDT/EST.<br>In the AM before 12 PM, it will be previous day's name. |          |
| The map consists of a thick line or lines with imbedded arrows showing the current jet stream pattern(s).              |          |

## 4.51. 5000 Feet Winds Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is 5,000 Ft. Winds (kts).  |          |
| The map cut is National.   |          |
| The legend is 🗆 40 🗆 60 🗆 80 🗆 100 (kts).  |          |
| 40 displays as yellow.   |          |
| 60 displays as light orange.   |          |
| 80 displays as dark orange.  |          |
| 100 displays as red.   |          |
| There is no Valid Time   |          |
| Over the continental U.S. only the wind speeds are contoured in the colors listed above.   |          |
| On the entire map (on land and over the ocean), wind direction streamlines are shown. The lines are white and have arrowheads (>) on them. |          |

## 4.52. 10,000 Feet Winds Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is 10,000 Ft. Winds (kts)   |          |
| The map cut is National   |          |
| The legend is 🛛 40 🖾 60 🖾 80 🗌 100 🗆 120 (kts)  |          |
| 40 displays as Yellow   |          |
| 60 displays as Light Orange   |          |
| 80 displays as Dark Orange  |          |
| 100 displays as Red   |          |
| 120 displays as Darker Red  |          |
| There is no Valid Time.   |          |
| Over the Continental U.S. only the wind speeds are contoured in the colors listed above.  |          |
| On the entire map (on land map and over the ocean), wind direction streamlines is shown. These lines are white and have arrowheads (>) on them. |          |

## 4.53. 34,000 Feet Winds Frame



| Frame Elements   | Comments |
|--|----------|
| The map title is 34,000 Ft. Winds (kts)  |          |
| The map cut is National  |          |
| The Legend is 0 40 0 60 0 80 0 100 0 120 0 140 0 160 (kts)   |          |
| 40 displays as Yellow  |          |
| 60 displays as Light Orange  |          |
| 80 displays as Dark Orange   |          |
| 100 displays as Red  |          |
| 120 displays as Darker Red   |          |
| 140 displays as Pink   |          |
| 160 displays as Pink   |          |
| There is no valid time.  |          |
| Over the continental U.S. only the wind speeds are contoured in the colors listed above.   |          |
| On the entire map (on land and over the ocean), wind direction streamlines are shown. These lines are white and have arrowheads (>) on them. |          |

# 4.54. Local Airport Conditions Frame



| Frame Elements   | Comments |
|--|----------|
| The title is 'Local Airport Conditions'.   |          |
| The Affiliate is able to select up to 4 locations.                                 |          |
| One location per frame is displayed.   |          |
| A maximum of 4 frames is displayed.  |          |
| The Airport Name is displayed on the left side of the screen                       |          |
| Delays (in minutes) is displayed on the left side of the screen.                   |          |
| If delay data is not available, "No Report" displays.                              |          |
| If no delay 'No Delay' is displayed  |          |
| The Humidity element is displayed  |          |
| Humidity is displayed on the left side of the screen, for instance 96 $\%$         |          |
| Pressure is displayed on the left side of the screen, for instance 29.99           |          |
| The Wind element is displayed  |          |
| Wind direction/ speed is displayed on the left side of the screen, for instance S6 |          |
| If wind speed is 0 mph "Calm" is displayed   |          |
| The Gusts element is displayed on the left side of the screen                      |          |
| The gust speed is displayed for example 12mph                                      |          |
| If there are no gusts, then 'None' is displayed.                                   |          |
| On the right side of the screen the Large Condition Icon is displayed              |          |
| On the right side of the screen the Icon Text Modifier is displayed                |          |
| On the right side of the screen Temperature is displayed                           |          |

## 4.55. Airport Delays Frame



| Frame Elements  | Comments |
|---|----------|
| The title is "Airport Delays".  |          |
| The data is for 4 sites per page.   |          |
| The delay data is for 2 pages maximum   |          |
| The delay is for 8 sites maximum  |          |
| The Airport Delays frame consists of the Location Name element                                  |          |
| The Airport Delays frame is listed vertically.  |          |
| The Airport Delays frame consists of "Temp" Column heading text                                 |          |
| The Airport Delays frame consists of Temp (Fahrenheit) for each location.                       |          |
| The Airport Delays frame consists of Small Condition Icon for each location                     |          |
| The Airport Delays frame consists of "Delay" column heading text                                |          |
| The Airport Delays frame consists of Delay time in minutes for each location                    |          |
| If delay data is not available, "No Report" will display.                                       |          |
| If there is no delay for an airport, "No Delay" will display.                                   |          |
| If delay time is greater than one hour, hours and minutes will display. For example, 2 h 11 min |          |

## 4.56. Travel Weather Frame



| Frame Elements  | Comments   |
|---|--|
| The map title is Travel Weather.  |  |
| The map cut is National.  |  |
| The legend is  RAIN SCT ICY MIX SNOW  |  |
| The colors are RAIN - Green, SCT - Green pattern, ICY - Pink, MIX - Orange, and SNOW - White  |  |
| At any given time, the valid time is one of the following:  |  |
| • The valid time is THROUGH MIDDAY appears around 4 AM ET, no later than 5 AM ET.   |  |
| • THROUGH MID-AM xxx, where xxx is abbreviation for day<br>of week appears around 6 PM ET, no later than 7 PM ET,<br>and at that point xxx should be the next day |  |
| THROUGH MIDNIGHT appears around 10 AM ET, no later<br>than 11 AM ET   |  |
| If the annotation layer is present, it is in uppercase white font.  | Forecasters use annotation to<br>add detail to maps (for<br>example, MIXED WITH<br>SNOW could be annotated on<br>a rainy travel area). |

# 4.57. Foggy Travel Frame



| Frame Elements   | Comments   |
|--|--|
| The map title is "Foggy Travel".   |  |
| The map cut is National.   |  |
| There is no legend.  |  |
| Valid time is one of the following:  |  |
| CURRENT     Appears around 5 AM and displays until around 7 PM ET.   |  |
| <ul> <li>THROUGH MID-AM xxx<br/>Appears around 7 PM ET, and displays until around 5 AM<br/>ET.</li> </ul>  |  |
| The area where fog is expected to impact travel through the valid period (or, where there is currently foggy travel) is shaded in yellow.  |  |
| If there is no foggy travel expected to occur through the valid<br>period (or, if there is no current foggy travel), the statement "NO<br>LARGE SCALE AREAS" will appear on the map. |  |
| If the annotation layer is present, it is in uppercase white font.   | *Forecasters use annotation<br>to add detail to the map (for<br>example, PATCHY could be<br>added to one of the fog<br>areas). |

# 4.58. Thunderstorm Forecast Frame



| Frame Elements  | Comments  |
|---|---|
| The map title is 'Thunderstorm Forecast'.   |   |
| The map cut is National.  |   |
| The legend is  THUNDERSTORMS SEVERE   |   |
| The colors are THUNDERSTORMS - Orange, and SEVERE - Red   |   |
| At any given time, valid time would be one of the following:  |   |
| <ul> <li>Valid time is correct THROUGH EARLY EVENING<br/>Appears around 4 AM ET, no later than 5 AM ET.</li> </ul>  |   |
| <ul> <li>THROUGH MID-AM xxx, where xxx is abbreviation for day<br/>of week. Appears around 6 PM ET, no later than 7 PM ET,<br/>and at that point xxx should be the next day.</li> </ul> |   |
| <ul> <li>THROUGH MIDNIGHT<br/>(Appears around 10 AM ET, no later than 11 AM ET)</li> </ul>  |   |
| If there are no thunderstorms forecast for the US, the statement<br>"NO ORGANIZED AREAS OF THUNDERSTORMS<br>EXPECTED" appears on the map.   |   |
| If the annotation layer is present, it is in uppercase white font.  | * Forecasters use annotation<br>to add detail to the map (for<br>example, ISOLATED<br>SEVERE could be added to<br>an area of general<br>thunderstorms). |

# 4.59. Windy Travel Frame



| Frame Elements  | Comments   |
|---|--|
| The map title is Windy Travel   |  |
| The map cut is National   |  |
| The legend is $\Box$ 30 mph $\Box$ 50 mph   |  |
| The colors are 30 mph - Blue, and 50 mph - Dark blue  |  |
| At any given time, the valid time would be one of the following:  |  |
| <ul> <li>Valid time is THROUGH EARLY EVENING<br/>Appears around 4 AM ET, no later than 5 AM ET.</li> </ul>  |  |
| <ul> <li>THROUGH MID-AM xxx, where xxx is abbreviation for day<br/>of week appears around 6 PM ET, no later than 7 PM ET,<br/>and at that point xxx should be the next day</li> </ul> |  |
| <ul> <li>THROUGH MIDNIGHT Appears around 10 AM ET, no later<br/>than 11 AM ET</li> </ul>  |  |
| If there is no windy travel forecast for the US, the statement "NONE EXPECTED" appear on the map.   |  |
| If the annotation layer is present, it is in uppercase white font.  | *Annotation is used by<br>forecasters to add detail to<br>the map (for example,<br>GUSTS TO 70 MPH could be<br>added to a 50-mph windy<br>area). |

## 4.60. Europe Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is "International Forecast".  |          |
| The map cut is Europe.  |          |
| There is no Legend.   |          |
| The valid time is Day of week.  |          |
| The valid time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| International city names are plotted.   |          |
| City name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white   |          |
| Each city on the map has a forecast icon plotted with it.   |          |

## 4.61. Mexico Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is "International Forecast".  |          |
| The map cut is Mexico.  |          |
| There is no Legend.   |          |
| The valid time is Day of week   |          |
| The valid time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white   |          |
| Each city on the map has a forecast icon plotted with it.   |          |

## 4.62. South America Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is "International Forecast".  |          |
| The map cut is South America.   |          |
| There is no Legend.   |          |
| The valid time is Day of week   |          |
| The valid time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| International City names are plotted.   |          |
| City name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

# 4.63. Southeast Asia Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is "International Forecast".  |          |
| The map cut is Southeast Asia.  |          |
| There is no Legend.   |          |
| The valid time is Day of week   |          |
| Valid time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature.  |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

## 4.64. Canada Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The map title is "International Forecast".  |          |
| The Map cut is Canada.  |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| International City names are plotted  |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

# 4.65. Africa Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is Africa.  |          |
| There is no Legend.   |          |
| The valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white   |          |
| Each city on the map has a forecast icon plotted with it.   |          |

## 4.66. Australia Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is Australia.   |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International city names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white   |          |
| Each city on the map has a forecast icon plotted with it.   |          |

# 4.67. China and Japan Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is China and Japan.   |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature.  |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

### 4.68. India Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is India.   |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| Each temperature font color is white  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

# 4.69. United Kingdom Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is United Kingdom.  |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

## 4.70. Caribbean Forecast Frame



| Frame Elements  | Comments |
|---|----------|
| The Map Title is "International Forecast".  |          |
| The Map cut is Caribbean.   |          |
| There is no Legend.   |          |
| The Valid time is the Day of week   |          |
| The Valid Time is tomorrow's day; switches around 3 AM EDT (therefore, current day shows between midnight - 3 AM EDT) |          |
| The International City names are plotted.   |          |
| The city name font color is yellow.   |          |
| Each city on the map has a high temperature   |          |
| The temperature font color is white.  |          |
| Each city on the map has a forecast icon plotted with it.   |          |

# 5. Severe Playlist

#### Product Description

The Weatherscan Plus 2.0 Client has the ability to receive triggers of programming changes based on receipt of NWS warnings or NWS bulletins.

The PIL code determines which playlist is displayed.

The severe playlist is triggered by PILs for the NWS county or NWS Zone in the DIF for each Weatherscan player.

TWC is able to designate which WMO headers or Product Information Labels (PILs) constitute watches.

Bulletins with unrecognized PILs have no effect on the playlist.

The customer is able to select one of two possible severe playlists:

- All Radar
- Mini-Core Package.

The severe playlist begins at the beginning of the next playlist cycle after the trigger PIL is received on the client.

The original default playlist resumes after the bulletin has expired or one hour has elapsed whichever occurs first.

At the warning expiration, the severe playlist finishes and returns to the normal default playlist.

# 6. Watches

#### Product Description

The watch displays as white text on a yellow background. (With the exception of Tornado watches which display on a red background)

The National Weather Service upper case text is converted to upper/lower case.

The graphic background for the watch text crawl appears at the same time as the text.

The Weatherscan administrator is able to configure at which line of text the watch will begin its display. (The default line is the first line)

As soon as a watch is received for any of the counties or zones in the client's DIF, the watch crawls at the bottom of the screen, over all programming.

The watch crawl takes precedence over all other crawl space products except warning crawls.

Warning crawls replace watch crawls.

Watch crawls do not replace warning crawls.

Watch crawls are signaled by a series of audible beeps.

The audio signal is TWC configurable for duration, frequency, and starting and ending times.

A watch is delivered within one minute of host receipt and begins crawling immediately upon client receipt.

Watches that are received with invalid expiration times are not displayed.

Watches that arrive more than 45 minutes after NWS issue time are not displayed.

A watch is terminated one hour after NWS issue time.

If a warning expires before the watch default time expires, the watch is redisplayed at the bottom of the screen until it expires.

When a watch expires, the crawl completes its current cycle and does not repeat.

The Weatherscan Administrator is able to configure any special beginning or ending character for text within the message. (Such as \$\$, ##)

The STAR Administrator is able to designate which WMO message headers constitutes watches by NWS office.

# 7. Warnings

#### **Product Description**

Warnings display as white text on a red background.

NWS upper-case text is converted to upper/lower case.

The graphic background for the text crawl appears at the same time as the text.

The Weatherscan administrator is able to configure at which line of text the watch will begin its display. (The default line is the first one)

TWC is able to designate which WMO headers or Product Information Labels (PILs) trigger a Warning crawl.

As soon as a warning is received for any of the counties or zones in the client's DIF, the warning crawls at the bottom of the screen, over all programming.

The warning crawl takes precedence over all other lower screen display elements.

Warning crawls are signaled by an audible signal.

The Audio signal beeps for five seconds at the beginning of each cycle of the crawl.

Warnings are delivered within one minute of host receipt and begin crawling immediately upon client receipt.

Warning messages that are received with invalid expiration times are not displayed.

Warning messages that arrive more than 60 minutes after NWS issue time are not displayed.

The Warning crawl is expired by the NWS expiration time established in the Universal Generic Code, or a default time of one hour, whichever is shorter.

When a Warning expires, the crawl completes its current cycle, but does not repeat.

The Weatherscan Administrator is able to configure any special beginning or ending character for text within the message. (\$\$, ##, etc)

The Weatherscan Administrator is able to designate which WMO message headers constitutes warnings by NWS office.

# 8. Advisories

#### Product Description

Advisories display as white text on an orange background.

National Weather Service upper case text shall is converted to upper/lower case.

The graphic background for the text crawl appears at the same time as the text.

The Weatherscan administrator is able to configure at which line of text the advisory will begin its display. (The default line is the first one)

The Weatherscan Administrator is able to configure any special beginning or ending character for text within the message. (\$\$, ##, etc.)

The system can distribute NWS advisories by State, County or NWS Zone.

The Narrative messages can be disseminated through the use of NWS universal generic code (UGC).

TWC is able to designate which WMO headers and Product Information Labels (PILs) constitute advisories.

The message distribution is prioritized in the following order: 1) PIL, 2) WMO header.

As soon as an advisory is received for any of the counties, zones or state(s) in the client's DIF, the advisory crawls at the bottom of the screen over all programming.

The Weather Advisory Narrative has the lowest priority of the immediate messages and display over all Lower Screen Display elements EXCEPT Watch and Warning crawls.

As default, advisories only crawl across the screen five times, pausing for a user-defined interval.

Advisories are delivered within one minute of host receipt and begin crawling immediately upon client receipt.

The advisory does not have audible alerts but can be configurable to do so.

TWC staff is capable of canceling or editing NWS advisory messages.

TWC staff is capable of generating advisory messages using the WTWC header.

Weather advisory messages that are received with invalid expiration times are not displayed.

Weather advisory messages that arrive more than 60 minutes after NWS issue time are not displayed.

The expiration time is TWC configurable.

When an advisory expires, the crawl completes its current cycle but does not repeat.

# 9. Local Ad Sales (LAS) Crawls

#### **Product Description**

The LAS Crawl consists of advertisement text of 1-280 characters.

The Weatherscan client can store in its database and display text messages in the lower screen display area.

The customer is able to deliver crawl information to the Weatherscan client using a dumb terminal or PC.

The 'Background Color' element of the crawl is TWC configurable.

The LAS Crawls may display over any Weatherscan Local product except any Warning, Watch, or Advisory crawl and Affiliate/Sponsor logo.

The LAS Crawl appears as white text on a blue background.

The LAS Crawl displays for 48 seconds.

The customer has the option to display one crawl per package.

The LAS Crawl cycles one time during a package.

The LAS Crawl rotates continuously.

The LAS Crawl concludes before the end of each package, and before the title frame at the beginning of the next cycle appears.

The character set supports the American keyboard.

The character set supports upper/lower case alphanumeric characters (printable characters).

The LAS Crawl supports the Spanish language International character set.

# 10. Local Ad Crawl User Interface

#### Product Description

The Crawl Interface functionality supports up to 12 LAS Crawls.

The Affiliate is capable of turning the LAS Crawls on/off.

The user has the ability to insert a new crawl into the crawl list.

With the addition of any crawl, there should not be any gaps within the crawl list.

With the deletion of any crawl, there should not be any gaps within the crawl list.

The user has the ability to edit an existing crawl in the crawl list.

While editing, if the crawl is being used, it is marked as 'Locked' and the changes will wait in the buffer until the working version is marked 'Unlocked'.

The Affiliate personnel have the ability to enable or disable any defined crawl.

The Affiliate Personnel is able to run a single LAS Crawl, effectively turning cycling off.

The Affiliate Personnel are able to create a dynamic number of crawls. (This is a TWC configurable item)

The selection of up to 12 advertisement crawls is determined by sequencing through the total number of defined crawls, beginning with the first crawl, and then repeating the sequence over and over again.

The User Interface is password protected.

The TWC staff has the ability to change the password.

The user is able to exit the Crawl Interface with and without saving changes.

'Log Out' ends the terminal session.

At the end of a terminal session, the screen displays 'Logged out of crawl scheduler'.

The Crawl Interface for scheduling and maintenance includes the Spanish language.

The Crawl Interface for scheduling and maintenance includes the English language.

# 11. Local Avails

**Product Description** 

All following elements of 'Local Avails' are TWC configurable: Start Date of Local Avails Kill Date of Local Avails Time (within the hour) which the Local Avail will trigger Duration of Local Avail

Local Avails play 5 minutes per hour.

Local Avails play at 10, 20, 30, 40 & 50 past the hour.

Local Avail duration is one (1) minute each.

The Weatherscan Client triggers Local Avails.

The Local Avail Trigger capability is TWC configurable.

A pre-roll begins 8 seconds before the Local Avail.

A 60-second Local Avail Title Page displays "under" the locally inserted commercials.

The Local Avail Title Page contains a 'Static background image'.

The Local Avail Title Page contains a 'Weatherscan Local logo'.

The Local Avail Title Page contains an 'Affiliate logo (if desired)'.

The Local Avail Title Page contains a 'Running Clock/date'.

The playlist dynamically adjusts frame display times in order to prevent partial display of any package before a local avail.

The look-ahead window for dynamic timing is at least five (5) minutes before the Local Avail is triggered.

All Weatherscan Local clients are built and shipped with the Local Avail software capability (previous Weatherscan launches must be retrofitted)

The Local Avail trigger "on/off" can be sent to the head end as a patch.

# 12. Audio Support

#### **Product Description**

All products have continuous background music from 60 minutes of music tracks.

Each music track plays once then goes to the next track.

Music from previous frames continues without interruption.

Background music automatically decreases to bed level during voice-over.

Background music automatically decreases to bed level during severe weather audio signal.

Background music automatically increases to top level after voice-over is complete.

Background music automatically increases to top level after severe weather audio signal is complete.

The Severe Beeps will take priority over the voice-over in all instances.

When active, the Severe Beeps will play at top level.

The voice-over will not extend past any individual product.

The voice-over will initiate .25 seconds after the beginning of any individual product.

The voice-over initiation time is TWC configurable.

There are two types of voice-over products for Weatherscan Local:

1. Radio Supported

2. Vocal Cues

Radio Supported voice-over consists of audio files that are individually recorded by the Radio Department and sent to the Weatherscan Host. The Host will associate the appropriate graphic to the audio file and send both to the client at the same time.

Radio Supported voice-over and graphics should always appear in sync.

Radio Supported voice-over only applies to the following affiliates:

St. Louis, MO Memphis, TN Las Vegas, NV

San Diego, CA

Radio Supported voice-over is currently active on only two products: Current Conditions (Core Package)

36 Hour Forecast (Core Package)

Vocal Cues are pre-recorded audio files which reside on the Weatherscan client.

Vocal Cues are currently active on only two products: Current Conditions (Core Package) 36 Hour Forecast (Core Package)

Vocal Cues Current Conditions contain the default phrase: "Your Current Conditions"

The voice-over resides only on the first page of the Current Conditions

Vocal Cues 36 Hour Forecast contains the Default Phrase: "The Forecast for your Area"

The voice-over resides only on the first page of the 36 Hour Forecast