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Updated for AWIPS Build OB13.5

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Excerpt from cave/plugins/com.raytheon.uf.viz.d2d.ui*/plugin.xml
(Volume Menu: Slide 5)

```
<command
    commandId="com.raytheon.viz.ui.setBackgroundcolor"
    label="Set Background Color...">
</command>
</menu>
<menu
    id="tools"
    label="Tools"
    mnemonic="T">
<visibleWhen>
    <reference
        definitionId="com.raytheon.uf.viz.d2d.ui.inD2DActionSet">
    </reference>
</visibleWhen>
<separator
    name="tools.start"
    visible="false">
</separator>
<separator
    name="D2D.Tools.Additions"
    visible="false">
</separator>
</menu>
<menu
    id="volume"
    label="Volume"
    mnemonic="V">
<visibleWhen>
    <reference
        definitionId="com.raytheon.uf.viz.d2d.ui.inD2DActionSet">
    </reference>
</visibleWhen>
<separator name="top" visible="false"/>
</menu>
<menu
    id="obs"
    label="Obs"
    mnemonic="O">
<visibleWhen>
    <reference
        definitionId="com.raytheon.uf.viz.d2d.ui.inD2DActionSet">
    </reference>
</visibleWhen>
<separator
    name="SURFACE"
    visible="false">
</separator>
<separator
    name="EndOfInitial"
    visible="true">
</separator>
<command
    commandId="com.raytheon.viz.ui.actions.titleAction"
    label="----- METAR -----">
</command>
<separator
```

```
name="METAR"  
visible="false">  
</separator>
```

**Excerpt from
cave/plugins/com.raytheon.viz.volumebrowser_*/plugin.xml
(Slide 6)**

```
<extension
    point="org.eclipse.ui.menus">
    <menuContribution
        locationURI="menu:volume?after=top">
        <command
            commandId="com.raytheon.viz.volumebrowser.volumeBrowserRef"
            label="Browser...">
        </command>
        <separator name="afterVB" visible="false"/>
        <separator name="VolumeBundles" visible="true"/>
        <separator name="ComparisonFamilies" visible="true"/>
        <separator name="SurfaceFamilies" visible="false"/>
        <separator name="StdEnvDataPackageFamilies" visible="true"/>
    </menuContribution>
</extension>
</plugin>
```

**cave/plugins/com.raytheon.uf.viz.cloudheight_*/
localization/menus/popupSkewT/index.xml**

**Localization Perspective: CAVE►Menus►popupSkewT►index.xml
(Slide 6)**

```
<menuContributionFile>
    <include installTo="menu:volume?after=afterVB"
        fileName="menus/popupSkewT/popupSkewT.xml">
    </include>
</menuContributionFile>
```

cave/plugins/com.raytheon.uf.viz.cloudheight_*/
localization/menus/popupSkewT/popupSkewT.xml

Localization Perspective:
CAVE ► Menus ► popupSkewT ► popupSkewT.xml
(Slide 6)

```
<menuTemplate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
  <contribute xsi:type="bundleItem" file="bundles/popupSkewTBundle.xml"  
    menuText="Popup SkewT" id="popupSkewT" timeQuery="false">  
  </contribute>  
</menuTemplate>
```

cave/plugins/com.raytheon.viz.volumebrowser_*/localization/
menus/volume/index.xml

Localization Perspective: CAVE ► Menus ► volume ► index.xml
(Slide 6)

```
<menuContributionFile>  
  <substitute key="DGEXmodel" value="DGEX185" />  
  <substitute key="GFSmodel" value="GFS213" />  
  <substitute key="NAM12model" value="ETA218" />  
  <substitute key="NAM40model" value="mesoEta212" />  
  <substitute key="ARWmodel1" value="HiResW-ARW-East" />  
  <substitute key="ARWmodel2" value="HiResW-ARW-West" />  
  <substitute key="MMMmodel1" value="HiResW-NMM-East" />  
  <substitute key="MMMmodel2" value="HiResW-NMM-West" />  
  <substitute key="RAP13model" value="RUC130" />  
  <substitute key="RAPmodel" value="RUC236" />  
  <include installTo="menu:volume?after=VolumeBundles"  
    fileName="menus/volume/baseFamilies.xml">  
  </include>  
  <include installTo="menu:volume?before=VolumeBundles"  
    fileName="menus/volume/ModelFamilies.xml">  
  </include>  
  <include subMenu="4-PanelFamilies"  
    installTo="menu:volume?before=ComparisonFamilies"  
    fileName="menus/volume/baseFourPanelFamilies.xml">  
  </include>  
  <include installTo="menu:volume?after=ComparisonFamilies"  
    fileName="menus/volume/baseComparisonFamilies.xml">  
  </include>
```

```
<include subMenu="Surface Families"
        installTo="menu:volume?after=SurfaceFamilies"
        fileName="menus/volume/baseSurfaceFamilies.xml">
</include>
<include installTo="menu:volume?after=StdEnvDataPackageFamilies"
        fileName="menus/volume/baseStdEnvPackage.xml">
</include>
</menuContributionFile>
```

cave/plugins/com.raytheon.viz.volumebrowser_*/localization/
menus/volume/baseFamilies.xml

Localization Perspective:
CAVE ► Menus ► volume ► baseFamilies.xml

(Slide 8)

```
<menuTemplate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <contribute xsi:type="titleItem" titleText="----- Families -----"
    id="FamiliesLine" />
  <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
    menuText="DGEX" id="dgex" useReferenceTime="true">
    <substitute key="modelName" value="{DGEXmodel}"/>
    <substitute key="TP" value="TP"/>
    <substitute key="frameCount" value="18"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/ECMWFHiRes.xml"
    menuText="ECMWF-HiRes" id="ecmwfHiRes" useReferenceTime="true">
    <substitute key="TP" value="TP"/>
    <substitute key="frameCount" value="41"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/ECMWFLowRes.xml"
    menuText="ECMWF-LowRes" id="ecmwfLowRes" useReferenceTime="true">
    <substitute key="TP" value="TP"/>
    <substitute key="frameCount" value="8"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
    menuText="GFS40" id="gfs40" useReferenceTime="true">
    <substitute key="modelName" value="GFS212"/>
    <substitute key="TP" value="TP"/>
    <substitute key="frameCount" value="41"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
    menuText="GFS" id="gfs90" useReferenceTime="true">
    <substitute key="modelName" value="{GFSmodel}"/>
    <substitute key="TP" value="TP"/>
    <substitute key="frameCount" value="41"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/LimitedFamily.xml"
    menuText="{ARWmodel1}" id="arwEast" useReferenceTime="true"
    suppressErrors="{ARWsuppress1;false}">
    <substitute key="modelName" value="{ARWmodel1}"/>
    <substitute key="frameCount" value="17"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/LimitedFamily.xml"
    menuText="{ARWmodel2}" id="arwWest" useReferenceTime="true"
    suppressErrors="{ARWsuppress2;false}">
    <substitute key="modelName" value="{ARWmodel2}"/>
    <substitute key="frameCount" value="17"/>
  </contribute>
  <contribute xsi:type="bundleItem" file="bundles/volume/LimitedFamily.xml"
    menuText="{MMMmodel1}" id="mmmEast" useReferenceTime="true"
    suppressErrors="{MMMsuppress1;false}">
```

```

        <substitute key="modelName" value="{MMMmodel1}"/>
        <substitute key="frameCount" value="17"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/LimitedFamily.xml"
        menuText="{MMMmodel2}" id="mmmWest" useReferenceTime="true"
        suppressErrors="{MMMsuppress2;false}">
        <substitute key="modelName" value="{MMMmodel2}"/>
        <substitute key="frameCount" value="17"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
        menuText="NAM12" id="nam12" useReferenceTime="true">
        <substitute key="modelName" value="{NAM12model}"/>
        <substitute key="TP" value="TP3hr"/>
        <substitute key="frameCount" value="29"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
        menuText="NAM40" id="nam40" useReferenceTime="true">
        <substitute key="modelName" value="{NAM40model}"/>
        <substitute key="TP" value="TP3hr"/>
        <substitute key="frameCount" value="29"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
        menuText="NAM80" id="nam80" useReferenceTime="true">
        <substitute key="modelName" value="ETA"/>
        <substitute key="TP" value="TP6hr"/>
        <substitute key="frameCount" value="15"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
        menuText="RAP13" id="rap13" useReferenceTime="true">
        <substitute key="modelName" value="{RAP13model}"/>
        <substitute key="TP" value="TP3hr"/>
        <substitute key="frameCount" value="19"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/DefaultFamily.xml"
        menuText="RAP40" id="rap" useReferenceTime="true">
        <substitute key="modelName" value="{RAPmodel}"/>
        <substitute key="TP" value="TP3hr"/>
        <substitute key="frameCount" value="9"/>
    </contribute>
    <contribute xsi:type="bundleItem" file="bundles/volume/UKMET.xml"
        menuText="UKMET" id="ukmet" useReferenceTime="true">
        <substitute key="TP" value="TP6hr"/>
        <substitute key="frameCount" value="15"/>
    </contribute>
</menuTemplate>

```


/awips2/cave/etc/bundles/volume/DefaultFamily.xml

Localization Perspective: CAVE►Bundles►volume►DefaultFamily.xml

(Slide 8)

```
<bundle xmlns:ns2="group">
  <displayList>
    <displays xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="d2DMapRenderableDisplay" scale="CONUS" density="1.0"
magnification="1.0" zoomLevel="1.0" mapCenter="-79.09835514095181 33.915979250804455 0.0">
      <descriptor xsi:type="mapDescriptor">

        <resource>
          <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
            <capabilities>
              <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
            </capabilities>
            <resourceType>PLAN_VIEW</resourceType>
          </loadProperties>
          <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="true">
            <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
          </properties>
          <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
            <metadataMap>
              <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="GH" constraintType="EQUALS"/>
              </mapping>
              <mapping key="info.datasetId">
                <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
              </mapping>
              <mapping key="info.Level.LeveltwoValue">
                <constraint constraintValue="-999999" constraintType="EQUALS" />
              </mapping>
              <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
              </mapping>
              <mapping key="info.Level.masterLevel.name">
                <constraint constraintValue="MB" constraintType="EQUALS"/>
              </mapping>
              <mapping key="info.Level.LevelOneValue">
                <constraint constraintValue="500.0" constraintType="EQUALS"/>
              </mapping>
            </metadataMap>
            <alertParser xsi:type="dataCubeAlertMessageParser"/>
          </resourceData>
        </resource>
      </descriptor>
    </displays>
  </displayList>
</bundle>
```

```

<resource>
  <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
    <capabilities>
      <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
    </capabilities>
    <resourceType>PLAN_VIEW</resourceType>
  </loadProperties>
  <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="true">
    <pdProps maxDisplayWidth="10000000" minDisplayWidth="0"/>
  </properties>
  <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
    <metadataMap>
      <mapping key="info.parameter.abbreviation">
        <constraint constraintValue="AV" constraintType="EQUALS"/>
      </mapping>
      <mapping key="info.datasetId">
        <constraint constraintValue="{model Name}" constraintType="EQUALS"/>
      </mapping>
      <mapping key="info.level.leveltwoValue">
        <constraint constraintValue="-999999" constraintType="EQUALS"/>
      </mapping>
      <mapping key="pluginName">
        <constraint constraintValue="grid" constraintType="EQUALS"/>
      </mapping>
      <mapping key="info.level.masterLevel.name">
        <constraint constraintValue="MB" constraintType="EQUALS"/>
      </mapping>
      <mapping key="info.level.leveloneValue">
        <constraint constraintValue="500.0" constraintType="EQUALS"/>
      </mapping>
    </metadataMap>
    <alertParser xsi:type="dataCubeAlertMessageParser"/>
  </resourceData>
</resource>
<resource>
  <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
    <capabilities>
      <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
    </capabilities>
    <resourceType>PLAN_VIEW</resourceType>
  </loadProperties>
  <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
    <pdProps maxDisplayWidth="10000000" minDisplayWidth="0"/>
  </properties>
  <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
    <metadataMap>
      <mapping key="info.parameter.abbreviation">

```

```

        <constraint constraintValue="msl-P" constraintType="EQUALS"/>
    </mapping>
    <mapping key="info.datasetId">
        <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
    </mapping>
    <mapping key="pluginName">
        <constraint constraintValue="grid" constraintType="EQUALS"/>
    </mapping>
    <mapping key="info.level.masterLevel.name">
        <constraint constraintValue="SFC" constraintType="EQUALS"/>
    </mapping>
    <mapping key="info.level.levelOneValue">
        <constraint constraintValue="0.0" constraintType="EQUALS"/>
    </mapping>
</metadataMap>
<alertParser xsi:type="dataCubeAlertMessageParser"/>
</resourceData>
</resource>
<resource>
    <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
        <capabilities>
            <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
        </capabilities>
        <resourceType>PLAN_VIEW</resourceType>
    </loadProperties>
    <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
        <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
    </properties>
    <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isQueryNecessaryOnTimeMatch="true">
        <metadataMap>
            <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="dZ" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.datasetId">
                <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.levelTwoValue">
                <constraint constraintValue="500.0" constraintType="EQUALS"/>
            </mapping>
            <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.masterLevel.name">
                <constraint constraintValue="MB" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.levelOneValue">
                <constraint constraintValue="1000.0" constraintType="EQUALS"/>
            </mapping>

```

```

        </metadataMap>
        <alertParser xsi:type="dataCubeAlertMessageParser"/>
    </resourceData>
</resource>
<resource>
    <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
        <capabilities>
            <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
        </capabilities>
        <resourceType>PLAN_VIEW</resourceType>
    </loadProperties>
    <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
        <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
    </properties>
    <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isQueryNecessaryOnTimeMatch="true">
        <metadataMap>
            <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="GH" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.datasetId">
                <constraint constraintValue="{model.Name}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.levelTwoValue">
                <constraint constraintValue="-999999" constraintType="EQUALS"/>
            </mapping>
            <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.masterLevel.name">
                <constraint constraintValue="MB" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.level.levelOneValue">
                <constraint constraintValue="700.0" constraintType="EQUALS"/>
            </mapping>
        </metadataMap>
        <alertParser xsi:type="dataCubeAlertMessageParser"/>
    </resourceData>
</resource>
<resource>
    <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
        <capabilities>
            <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
        </capabilities>
        <resourceType>PLAN_VIEW</resourceType>
    </loadProperties>
    <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
        <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
    </properties>

```

```

        <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
        <metadataMap>
            <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="RH" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.datasetId">
                <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.LeveltwoValue">
                <constraint constraintValue="500.0" constraintType="EQUALS"/>
            </mapping>
            <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.masterLevel.name">
                <constraint constraintValue="MB" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.LeveloneValue">
                <constraint constraintValue="1000.0" constraintType="EQUALS"/>
            </mapping>
        </metadataMap>
        <alertParser xsi:type="dataCubeAlertMessageParser"/>
    </resourceData>
</resource>
<resource>
    <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
        <capabilities>
            <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
        </capabilities>
        <resourceType>PLAN_VIEW</resourceType>
    </loadProperties>
    <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
        <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
    </properties>
    <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
        <metadataMap>
            <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="PVV" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.datasetId">
                <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.LeveltwoValue">
                <constraint constraintValue="-999999" constraintType="EQUALS"/>
            </mapping>
            <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
            </mapping>
        </metadataMap>
    </resourceData>
</resource>

```

```

        </mapping>
        <mapping key="info.Level.masterLevel.name">
            <constraint constraintValue="MB" constraintType="EQUALS"/>
        </mapping>
        <mapping key="info.Level.LevelOnevalue">
            <constraint constraintValue="700.0" constraintType="EQUALS"/>
        </mapping>
    </metadataMap>
    <alertParser xsi:type="dataCubeAlertMessageParser"/>
</resourceData>
</resource>
<resource>
    <loadProperties xsi:type="gridLoadProperties" displayType="CONTOUR" loadWithoutData="false">
        <capabilities>
            <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true" outlineWidth="1"/>
        </capabilities>
        <resourceType>PLAN_VIEW</resourceType>
    </loadProperties>
    <properties isSystemResource="false" isBlinking="false" isMapLayer="false" isHoverOn="false" isVisible="false">
        <pdProps maxDisplayWidth="100000000" minDisplayWidth="0"/>
    </properties>
    <resourceData xsi:type="gridResourceData" retrieveData="true" isUpdatingOnMetadataOnly="false"
isRequeryNecessaryOnTimeMatch="true">
        <metadataMap>
            <mapping key="info.parameter.abbreviation">
                <constraint constraintValue="{TP}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.datasetId">
                <constraint constraintValue="{modelName}" constraintType="EQUALS"/>
            </mapping>
            <mapping key="pluginName">
                <constraint constraintValue="grid" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.masterLevel.name">
                <constraint constraintValue="SFC" constraintType="EQUALS"/>
            </mapping>
            <mapping key="info.Level.LevelOnevalue">
                <constraint constraintValue="0.0" constraintType="EQUALS"/>
            </mapping>
        </metadataMap>
        <alertParser xsi:type="dataCubeAlertMessageParser"/>
    </resourceData>
</resource>
<timeMatcher xsi:type="d2DTimeMatcher" deltaFilter="0" forecastFilter="0"/>
<numberOfFrames>${frameCount}</numberOfFrames>
</descriptor>
</displays>
</displayList>
</bundle>

```

/awips2/cave/etc/bundles/StationPlot.xml

Localization Perspective: CAVE►Bundles►StationPlot.xml

(Slide 9)

```
<bundle>
  <displayList>
    <displays xsi:type="d2DMapRenderableDisplay"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <descriptor xsi:type="mapDescriptor" currentAnimationMode="Temporal">
        <resource>
          <loadProperties>
            <capabilities>
              <capability xsi:type="outlineCapability" lineStyle="SOLID" outlineOn="true"
                outlineWidth="1" />
              <capability xsi:type="colorableCapability" colorAsString="#9b9b9b" />
            </capabilities>
            <resourceType>PLAN_VIEW</resourceType>
          </loadProperties>
          <properties isSystemResource="false" isBlinking="false" isMapLayer="true" isHoverOn="false"
            isVisible="true">
            <pdProps maxDisplayWidth="100000000" minDisplayWidth="0" />
          </properties>
          <resourceData xsi:type="spiResourceData" pixelSizeHint="45">
            <filename>basemaps/MTR.spi</filename>
            <mapName>METAR Station Locations</mapName>
          </resourceData>
        </resource>
        <resource>
          <loadProperties loadWithoutData="true">
            <capabilities>
            </capabilities>
          </loadProperties>
          <properties isSystemResource="false" isBlinking="false"
            isMapLayer="false" isHoverOn="false"
            isVisible="true" />
          <resourceData xsi:type="plotResourceData" plotSource="METAR Plot"
            plotModelFile="stdObsDesign.svg" spiFile="basemaps/MTR.spi"
            isUpdatingOnMetadataOnly="true" retrieveData="false"
            isRequeryNecessaryOnTimeMatch="true" pixelSizeHint="45">
            <binOffset posOffset="1800" negOffset="1800" virtualOffset="0"/>
            <metadataMap>
              <mapping key="reportType">
                <constraint constraintValue="METAR" constraintType="EQUALS" />
              </mapping>
            </metadataMap>
          </resourceData>
        </resource>
      </descriptor>
    </displays>
  </displayList>
</bundle>
```

```
        </mapping>
        <mapping key="pluginName">
          <constraint constraintValue="obs" constraintType="EQUALS" />
        </mapping>
      </metadataMap>
    </resourceData>
  </resource>
</descriptor>
</displays>
</displayList>
</bundle>
```


/awips2/cave/etc/plotModels/stdObsDesign.svg

Localization Perspective: D2D► Plot Models► stdObsDesign.svg

(Slide 9)

```
<symbol overflow="visible" id="plotData" class="info">

  <text id="rawMETARText" plotMode="null" class="text" plotParam="rawMETAR" x="0" y="0">0</text>
  <g id="windVaneText" plotMode="barb" plotParam="windSpeed,windDir,windGust" plotUnit="kts" x="0" y="0"
transform="rotate(0,0,0)">
    <text id="windVaneText" class="arrow" x="0" y="0">0</text>
    <text id="windArrowText" class="barb" x="0" y="0">arrow</text>
    <text id="windGustText" class="text" x="0" y="32" style="text-anchor: middle">0</text>
  </g>
  <text id="chngCharText" plotMode="table" class="weather" plotLookupTable="press_change_char_lookup.txt"
plotParam="pressChangeChar" style="text-anchor: start;" x="35px" y="0">0</text>
  <text id="visText" plotMode="range" class="text" plotLookupTable="fractions_lookup.txt" plotParam="visibility"
plotUnit="mi" style="text-anchor: start;" plotFormat="%3.5f" x="0" y="10">59</text>
  <text id="pressChngText" plotMode="text" plotParam="pressChange3Hour" plotFormat="%02.0f" plotUnit="Pa"
style="text-anchor: start;" x="10px" y="0">018</text>
  <text id="dewText" plotMode="text" plotParam="DpT" plotUnit="°F" plotFormat="%3.0f" style="text-anchor: end;" x="-
10px" y="10px">59</text>
  <text id="tempText" plotMode="text" plotParam="T" plotUnit="°F" plotFormat="%3.0f" style="text-anchor: end;" x="-
10px" y="-10px">75</text>
  <text id="pressure" plotMode="text" plotParam="seaLevelPress" plotUnit="dPa" plotFormat="%5.0f" plotTrim="2"
style="text-anchor: start;" x="10px" y="-10px">018</text>
  <text id="cloudText" plotMode="table" class="special" plotFunctionTable="cloud_select.txt"
plotLookupTable="cloud_chars.txt" plotParam="skyCover" style="text-anchor: start" x="0" y="0">0</text>
  <text id="presentWxText" plotMode="recursive_translation" class="weather" plotLookupTable="wx_symbol_trans.txt"
plotParam="presWeather" style="text-anchor: end" x="-10" y="0">0</text>
  <text id="peakWind" plotMode="text" plotParam="pkwndSpeed" plotUnit="kts" plotFormat="PK%.0f"
style="text-anchor: end;" x="-10px" y="20px">59</text>
</symbol>
</defs>
<use id="wind" x="40" y="40" width="80" height="80" visibility="visible" xlink:href="#plotData"/>
</svg>
```

Excerpt from d2dContourStyleRules.xml

Localization Perspective: CAVE ► Style Rules ► d2dContourStyleRules.xml

(Slide 10)

```
<!--
 * GH, GHxSM, Topo, Surface
 m | 1.0 | 0.0 | 4 | i4 | | ..|8000F0FF| | 12 | | 1 100 200 300 500 700 1000 1500 2000 2500 3000 3500
-->
<styleRule>
  <paramLevelMatches>
    <parameter>GH</parameter>
    <parameter>GHxSM</parameter>
    <singleLevel units="SURFACE" />
  </paramLevelMatches>
  <contourStyle>
    <displayUnits>m</displayUnits>
    <contourLabeling labelSpacing="4" labelFormat="#">
      <values>1 100 200 300 500 700 1000 1500 2000 2500 3000 3500</values>
    </contourLabeling>
  </contourStyle>
</styleRule>
<styleRule>
```

Excerpt from gridImageryStyleRules.xml

Localization Perspective: CAVE ► Style Rules ► gridImageryStyleRules.xml

(Slide 10)

```
<!--
  * dZ, 1000MB-500MB, 700MB-300MB
  dam | 0.1 | 0.0 | 450 | 590 | | 29 | 0 | 30
-->
<styleRule>
  <paramLevelMatches>
    <parameter>dZ</parameter>
    <singleLevel units="MB">
      <value>1000500</value>
    </singleLevel>
    <singleLevel units="MB">
      <value> 700300</value>
    </singleLevel>
  </paramLevelMatches>
  <imageStyle>
    <displayUnits>dam</displayUnits>
    <range scale="LINEAR">
      <minValue>450</minValue>
      <maxValue>590</maxValue>
    </range>
    <defaultColormap>Grid/gridded data</defaultColormap>
    <colorbarLabeling>
      <increment>30</increment>
    </colorbarLabeling>
  </imageStyle>
</styleRule>
```

Excerpt from radarImageryStyleRules.xml

Localization Perspective: CAVE ► Style Rules ► radarImageryStyleRules.xml

(Slide 10)

```
<styleRule>
  <paramLevelMatches>
    <parameter>99</parameter>
    <parameter>301</parameter>
    <parameter>154</parameter>
    <parameter>182</parameter>
  </paramLevelMatches>
  <imageStyle>
    <displayUnits>kts</displayUnits>
    <defaultColormap>Radar/8 bit Vel</defaultColormap>
    <dataMapping>
      <entry pixelValue="1" sample="RF" label="RF" />
      <entry displayValue='-247.0' pixelValue='2' label="" />
      <entry displayValue='-100.0' pixelValue='26' />
      <entry displayValue=' -80.0' />
      <entry displayValue=' -60.0' />
      <entry displayValue=' -45.0' />
      <entry displayValue=' -20.0' />
      <entry displayValue='  0.0' />
      <entry displayValue=' 20.0' />
      <entry displayValue=' 45.0' />
      <entry displayValue=' 60.0' />
      <entry displayValue=' 80.0' />
      <entry displayValue=' 100.0' pixelValue='232' />
      <entry displayValue=' 245.0' pixelValue='255' label="" />
    </dataMapping>
  </imageStyle>
</styleRule>
```

```
        </imageStyle>
    </styleRule>
```