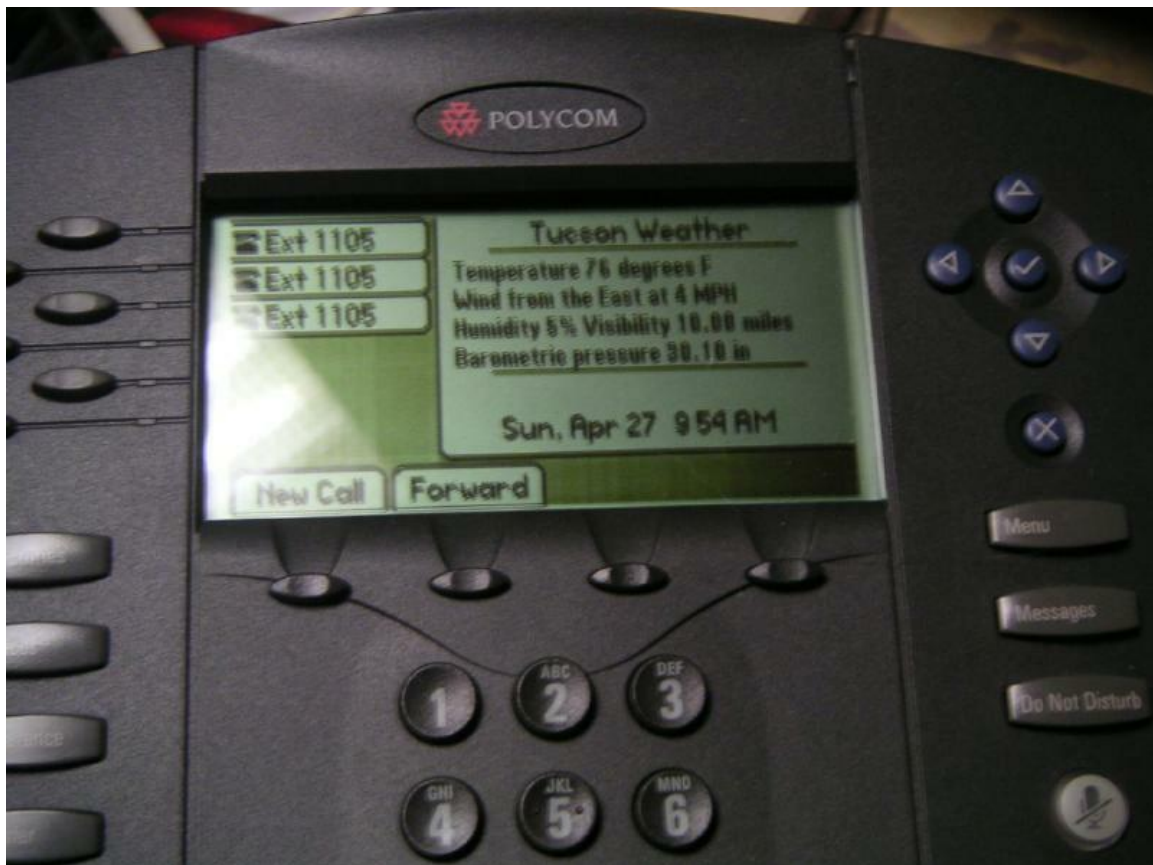


This is a screen shot of what the code looks like when you view page source in your browser. It is formatted properly for the Polycom microbrowser with opening and closing tags for each piece of information displayed

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head> <title>Tucson Weather</title> </head>
<body>
<br></br>
Temperature 76 degrees F
<br>Wind from the East at 4 MPH</br>
<br>Humidity 5%
Visibility 10.00 miles</br>
<br>Barometric pressure 30.10 in</br>
<br></br>
</body>
</html>
```

This is a photo of one of my Polycom 601 phones showing the idle display. It is set to refresh every 30 minutes as the weather doesn't usually change that often and I didn't want to keep hammering on my local NOAA weather station server.



This is the php code for weather_phone.html. Just copy everything from the opening <?php tag to the ?> closing tag and save it as tucson_weather.php.

Upload it to your web server and set permissions to 644 and the owner to your usual web page owner.

```
<?php
echo '<?xml version="1.0" encoding="utf-8"?>'. "\n";
echo '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"xhtml11.dtd">'. "\n";
echo '<html xmlns="http://www.w3.org/1999/xhtml">'. "\n";

# Change title to your location
echo '<head> <title>Tucson Weather</title> </head>'. "\n";

echo '<body>'. "\n";
echo '<hr></hr>'. "\n";

# Change the target to your local weather station
# for a complete list of US cities, go to
# http://www.nws.noaa.gov/data/current_obs/

$target_url="http://w1.weather.gov/xml/current_obs/KTUS.xml";
$userAgent = 'Googlebot/2.1 (http://www.googlebot.com/bot.html)';

    $ch = curl_init();
        curl_setopt($ch, CURLOPT_USERAGENT, $userAgent);
        curl_setopt($ch, CURLOPT_URL,$target_url);
        curl_setopt($ch, CURLOPT_FAILONERROR, true);
        curl_setopt($ch, CURLOPT_FOLLOWLOCATION, true);
        curl_setopt($ch, CURLOPT_AUTOREFERER, true);
        curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
        curl_setopt($ch, CURLOPT_TIMEOUT, 10);
        $weatherPage = curl_exec($ch);
if (!$weatherPage) {
    echo "<br />cURL error number:" . curl_errno($ch);
    echo "<br />cURL error:" . curl_error($ch);
    exit;
}

# don't let this script run for more than 60 seconds

# set_time_limit(60);

# create file handles if needed

if (!defined('STDIN'))
{
define('STDIN', fopen('php://stdin', 'r'));
}
if (!defined('STDOUT'))
```

```

{
define('STDOUT', fopen('php://stdout', 'w'));
}
if (!defined('STDERR'))
{
define('STDERR', fopen('php://stderr', 'w'));
}

# retrieve this web page

# get_contents no longer allowed, uses curl above.
# $weatherPage=file_get_contents($weatherURL);

# get temperature in Fahrenheit

if (preg_match("/<temp_f>([0-9.]+)<\/temp_f>/i",$weatherPage,$matches))

{$currentTemp=$matches[1];}

# echo ($currentTemp);

print 'Temperature  ' ;
print ($currentTemp);
print ' degrees F';
echo "\n";

# get wind direction

if (preg_match("/<wind_dir>North<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='North';
}
elseif
(preg_match("/<wind_dir>South<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='South';
}
elseif (preg_match("/<wind_dir>East<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='East';
}
elseif (preg_match("/<wind_dir>West<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='West';
}
elseif
(preg_match("/<wind_dir>Northwest<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='Northwest';
}
}

```

```

elseif
(preg_match("/<wind_dir>Northeast<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='Northeast';
}
elseif
(preg_match("/<wind_dir>Southwest<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='Southwest';
}
elseif
(preg_match("/<wind_dir>Southeast<\/wind_dir>/i",$weatherPage))
{
$currentWindDirection='Southeast';
}

# echo ($currentWindDirection);

# get wind speed

if
(preg_match("/<wind_mph>([0-9]+)([\.]+)([0-9]+)<\/wind_mph>/i",$weatherPage,$matches))
{
$currentWindSpeed = $matches[1];
}

# echo ($currentWindSpeed);

if ($currentWindDirection && $currentWindSpeed)
{
print '<br>Wind from the ';
print ($currentWindDirection);
# echo "\n";
print ' at ' ;
print ($currentWindSpeed);
print ' MPH</br>';
echo "\n";
}

# get relative humidity

if (preg_match("/<relative_humidity>([0-9.]+)<\/relative_humidity>/i",$weatherPage,$matches))

{$currentHumidity=$matches[1];}

# echo ($currentHumidity);

print '<br>Humidity ' ;
print ($currentHumidity);

```

```
print "%";
echo "\n";

# get visibility in miles

if (preg_match("/<visibility_mi>([0-9.]*)</visibility_mi>/i", $weatherPage, $matches))

{$currentVisibility=$matches[1];}

# echo ($currentVisibility);

print 'Visibility ' ;
print ($currentVisibility);
print ' miles</br>';
echo "\n";

# get barometric pressure

if

(preg_match("/<pressure_in>([0-9]+) ([\.]*) ([0-9.]*)</pressure_in>/i", $weatherPage, $matches))
{
$currentPressure1 = $matches[1];
$currentPressure2 = $matches[3];
}

# echo ($currentPressure1.$currentPressure2);

print '<br>Barometric pressure ' ;
print ($currentPressure1);
print ".";
print ($currentPressure2);
print ' in</br>';
echo "\n";

echo '<hr></hr>'." \n";
echo '</body>'." \n";
echo '</html>'." \n";
?>
```