In [4]:

**import** **requests** **as** **rq**  
**from** **bs4** **import** BeautifulSoup

In [5]:

page = rq.get("http://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122.4168#.WhwZ7tWnPIU")

In [6]:

page

Out[6]:

<Response [200]>

In [7]:

soup = BeautifulSoup(page.content, 'html.parser')

In [8]:

print(soup.prettify())

<!DOCTYPE html>  
<html class="no-js">  
 <head>  
 <!-- Meta -->  
 <meta content="width=device-width" name="viewport"/>  
 <link href="http://purl.org/dc/elements/1.1/" rel="schema.DC"/>  
 <title>  
 National Weather Service  
 </title>  
 <meta content="National Weather Service" name="DC.title">  
 <meta content="NOAA National Weather Service National Weather Service" name="DC.description"/>  
 <meta content="US Department of Commerce, NOAA, National Weather Service" name="DC.creator"/>  
 <meta content="" name="DC.date.created" scheme="ISO8601"/>  
 <meta content="EN-US" name="DC.language" scheme="DCTERMS.RFC1766"/>  
 <meta content="weather, National Weather Service" name="DC.keywords"/>  
 <meta content="NOAA's National Weather Service" name="DC.publisher"/>  
 <meta content="National Weather Service" name="DC.contributor"/>  
 <meta content="http://www.weather.gov/disclaimer.php" name="DC.rights"/>  
 <meta content="General" name="rating"/>  
 <meta content="index,follow" name="robots"/>  
 <!-- Icons -->  
 <link href="./images/favicon.ico" rel="shortcut icon" type="image/x-icon"/>  
 <!-- CSS -->  
 <link href="css/bootstrap-3.2.0.min.css" rel="stylesheet"/>  
 <link href="css/bootstrap-theme-3.2.0.min.css" rel="stylesheet"/>  
 <link href="css/font-awesome-4.3.0.min.css" rel="stylesheet"/>  
 <link href="css/ol-3.7.0.css" rel="stylesheet" type="text/css"/>  
 <link href="css/mapclick.css" rel="stylesheet" type="text/css">  
 <!--[if lte IE 7]><link rel="stylesheet" type="text/css" href="css/bootstrap-ie7.css" /><![endif]-->  
 <!--[if lte IE 9]><link rel="stylesheet" type="text/css" href="css/mapclick-ie.css" /><![endif]-->  
 <link href="css/print.css" rel="stylesheet" type="text/css">  
 <link href="css/search.css" rel="stylesheet" type="text/css">  
 <!-- Javascript -->  
 <script src="js/lib/modernizr-2.8.3.js" type="text/javascript">  
 </script>  
 <script src="js/lib/json3-3.3.2.min.js" type="text/javascript">  
 </script>  
 <script src="js/lib/jquery-1.11.3.min.js" type="text/javascript">  
 </script>  
 <script src="js/lib/jquery.hoverIntent-1.8.1.min.js" type="text/javascript">  
 </script>  
 <script src="js/lib/bootstrap-3.2.0.min.js" type="text/javascript">  
 </script>  
 <script src="js/lib/ol-3.7.0.js" type="text/javascript">  
 </script>  
 <!--[if lte IE 8]><script type="text/javascript" src="js/respond.min.js"></script><![endif]-->  
 <script src="js/jquery.autocomplete.min.js" type="text/javascript">  
 </script>  
 <script src="js/cfisurvey/cfi.js" type="text/javascript">  
 </script>  
 <script src="js/forecast.esri.js" type="text/javascript">  
 </script>  
 <script src="js/forecast.search.js" type="text/javascript">  
 </script>  
 <script src="js/forecast.openlayers.js" type="text/javascript">  
 </script>  
 <script src="js/browserSniffer.js" type="text/javascript">  
 </script>  
 <script src="js/federated-analytics.js" type="text/javascript">  
 </script>  
 <script type="text/javascript">  
 (function (i, s, o, g, r, a, m) {  
 i['GoogleAnalyticsObject'] = r;  
 i[r] = i[r] || function () {  
 (i[r].q = i[r].q || []).push(arguments)  
 }, i[r].l = 1 \* new Date();  
 a = s.createElement(o),  
 m = s.getElementsByTagName(o)[0];  
 a.async = 1;  
 a.src = g;  
 m.parentNode.insertBefore(a, m)  
 })(window, document, 'script', '//www.google-analytics.com/analytics.js', 'ga');  
  
 ga('create', 'UA-40768555-1', 'weather.gov');  
 ga('set', 'anonymizeIp', true);  
 ga('require', 'linkid');  
 ga('send', 'pageview');  
 </script>  
 </link>  
 </link>  
 </link>  
 </meta>  
 </head>  
 <body>  
 <!-- DIV FOR CFI GROUP SURVEY::ALSO REQUIRES SCRIPT TAG IN HEADER -->  
 <div id="ZN\_9tslIS2mj3KoPgp">  
 <!--DO NOT REMOVE-CONTENTS PLACED HERE-->  
 </div>  
 <style>  
 /\* STYLE FOR DUAL ICON PREVIEW \*/  
 .applicationnotificationContainerBanner {  
 padding: 0 3rem 2rem 3rem;  
 background: #fff;  
 color: #555;  
 margin-bottom: -.5rem;  
 text-align: center;  
 font-size: 1.2rem;  
 }  
 .applicationnotificationContainerBannerTeaser {  
 display: inline-block;  
 cursor: pointer;  
 }  
 .applicationnotificationContainerBannerTeaserIcon {  
 float: left;  
 width: 6.2rem;  
 top:-3px;  
 position: relative;  
 }  
 .applicationnotificationContainerBannerTeaserTitle {  
 padding: 6px 0 0 0;  
 font-weight: bold;  
 font-size: 1.6rem;  
 line-height: 1.6rem;  
 margin-left: 7.2rem;  
 text-align: left;  
 }  
 .applicationnotificationContainerBannerTeaserSubtitle {  
 margin-left: 7.2rem;  
 font-size: 1.2rem;  
 line-height: 1.2rem;  
 text-align: left;  
 padding-top:.5rem;  
 }  
 .applicationnotificationContainerBannerDetails {  
 display: none;  
 clear: both;  
 text-align: left;  
 padding: 1rem 0;  
 max-width: 750px;  
 margin: 0 auto;  
 }  
 .applicationnotificationContainerBanner a {  
 text-decoration: underline;  
 padding-top:.3rem;  
 display: block;  
 }  
 main.container {  
 margin-top: -10px !important;  
 }  
 @media screen and (max-width:480px){  
 .applicationnotificationContainerBanner{  
 padding:0 .8em 1em .8em;  
 }  
 }  
 </style>  
 <div class="applicationnotificationContainerBanner">  
 <div class="applicationnotificationContainerBannerTeaser" id="applicationnotificationContainerButton-showDetails">  
 <img class="applicationnotificationContainerBannerTeaserIcon" src="images/applicationnotification.png"/>  
 <div class="applicationnotificationContainerBannerTeaserTitle">  
 Notice of NWS' New Version of Forecast  
 </div>  
 <div class="applicationnotificationContainerBannerTeaserSubtitle">  
 A new version of Forecast is coming soon!  
 <br/>  
 <a href="https://forecast-v3.weather.gov/documentation?redirect=legacy">  
 Click here to visit the new site for details.  
 </a>  
 <br/>  
 </div>  
 </div>  
 </div>  
 <main class="container">  
 <header class="row clearfix" id="page-header">  
 <a class="pull-left" href="http://www.noaa.gov" id="header-noaa">  
 <img alt="National Oceanic and Atmospheric Administration" src="/css/images/header\_noaa.png"/>  
 </a>  
 <a class="pull-left" href="http://www.weather.gov" id="header-nws">  
 <img alt="National Weather Service" src="/css/images/header\_nws.png"/>  
 </a>  
 <a class="pull-right" href="http://www.commerce.gov" id="header-doc">  
 <img alt="United States Department of Commerce" src="/css/images/header\_doc.png"/>  
 </a>  
 </header>  
 <nav class="navbar navbar-default row" role="navigation">  
 <div class="container-fluid">  
 <div class="navbar-header">  
 <button class="navbar-toggle collapsed" data-target="#top-nav" data-toggle="collapse" type="button">  
 <span class="sr-only">  
 Toggle navigation  
 </span>  
 <span class="icon-bar">  
 </span>  
 <span class="icon-bar">  
 </span>  
 <span class="icon-bar">  
 </span>  
 </button>  
 </div>  
 <div class="collapse navbar-collapse" id="top-nav">  
 <ul class="nav navbar-nav">  
 <li>  
 <a href="http://www.weather.gov">  
 HOME  
 </a>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/forecastmaps">  
 FORECAST  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.weather.gov">  
 Local  
 </a>  
 </li>  
 <li>  
 <a href="http://digital.weather.gov">  
 Graphical  
 </a>  
 </li>  
 <li>  
 <a href="http://www.aviationweather.gov/">  
 Aviation  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/marine/home.htm">  
 Marine  
 </a>  
 </li>  
 <li>  
 <a href="http://water.weather.gov/ahps/">  
 Rivers and Lakes  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nhc.noaa.gov/">  
 Hurricanes  
 </a>  
 </li>  
 <li>  
 <a href="http://www.spc.noaa.gov/">  
 Severe Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.srh.noaa.gov/ridge2/fire/">  
 Fire Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://aa.usno.navy.mil/data/docs/RS\_OneDay.php">  
 Sun/Moon  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cpc.ncep.noaa.gov/">  
 Long Range Forecasts  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cpc.ncep.noaa.gov">  
 Climate Prediction  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.nws.noaa.gov/climate">  
 PAST WEATHER  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.nws.noaa.gov/climate/">  
 Past Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/climate/">  
 Heating/Cooling Days  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/climate/">  
 Monthly Temperatures  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/climate/">  
 Records  
 </a>  
 </li>  
 <li>  
 <a href="http://aa.usno.navy.mil/">  
 Astronomical Data  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/safety">  
 SAFETY  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.floodsafety.noaa.gov">  
 Floods  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/Tsunami/index.html">  
 Tsunami  
 </a>  
 </li>  
 <li>  
 <a href="http://www.ripcurrents.noaa.gov/beach\_hazards.html">  
 Beach Hazards  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/fire/">  
 Wildfire  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/cold">  
 Cold  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/tornado">  
 Tornadoes  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/fog/">  
 Fog  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/airquality/">  
 Air Quality  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/heat/index.shtml">  
 Heat  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/hurricane/index.shtml">  
 Hurricanes  
 </a>  
 </li>  
 <li>  
 <a href="http://www.lightningsafety.noaa.gov/">  
 Lightning  
 </a>  
 </li>  
 <li>  
 <a href="http://www.ripcurrents.noaa.gov/">  
 Rip Currents  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/os/marine/safeboating/">  
 Safe Boating  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/thunderstorm/">  
 Thunderstorms  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/space">  
 Space Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/heat/uv.shtml">  
 Sun (Ultraviolet Radiation)  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/safetycampaign">  
 Safety Campaigns  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/wind">  
 Wind  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/om/drought/">  
 Drought  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/winter">  
 Winter Weather  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/informationcenter">  
 INFORMATION  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.weather.gov/Owlie's">  
 Owlie's Kids Page  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/wrn/wea">  
 Wireless Emergency Alerts  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/wrn/">  
 Weather-Ready Nation  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/brochures.shtml">  
 Brochures  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/coop/">  
 Cooperative Observers  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/briefing/">  
 Daily Briefing  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/hazstats.shtml">  
 Damage/Fatality/Injury Statistics  
 </a>  
 </li>  
 <li>  
 <a href="http://mag.ncep.noaa.gov/">  
 Forecast Models  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/gis">  
 GIS Data Portal  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/nwr/">  
 NOAA Weather Radio  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/publications">  
 Publications  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/skywarn/">  
 SKYWARN Storm Spotters  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/stormready/">  
 StormReady  
 </a>  
 </li>  
 <li>  
 <a href="http://www.tsunamiready.noaa.gov">  
 TsunamiReady  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/owlie">  
 EDUCATION  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="https://www.weather.gov/wrn/force">  
 Be A Force of Nature  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/owlie">  
 NWS Education Home  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/contact-media/">  
 NEWS  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.weather.gov/news">  
 NWS News  
 </a>  
 </li>  
 <li>  
 <a href="https://www.weather.gov/wrn/calendar">  
 Events  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/socialmedia">  
 Social Media  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/brochures.shtml">  
 Pubs/Brochures/Booklets  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/pa/nws\_contacts.php">  
 NWS Media Contacts  
 </a>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/search">  
 SEARCH  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <!-- Begin search code -->  
 <div id="site-search">  
 <form action="http://search.usa.gov/search" method="get" style="margin-bottom: 0; margin-top: 0;">  
 <input name="v:project" type="hidden" value="firstgov"/>  
 <label for="query">  
 Search For  
 </label>  
 <input id="query" name="query" size="12" type="text"/>  
 <input type="submit" value="Go"/>  
 <p>  
 <input checked="checked" id="nws" name="affiliate" type="radio" value="nws.noaa.gov"/>  
 <label class="search-scope" for="nws">  
 NWS  
 </label>  
 <input id="noaa" name="affiliate" type="radio" value="noaa.gov"/>  
 <label class="search-scope" for="noaa">  
 All NOAA  
 </label>  
 </p>  
 </form>  
 </div>  
 </li>  
 </ul>  
 </li>  
 <li class="dropdown">  
 <a class="dropdown-toggle" data-toggle="dropdown" href="http://www.weather.gov/about">  
 ABOUT  
 <span class="caret">  
 </span>  
 </a>  
 <ul class="dropdown-menu" role="menu">  
 <li>  
 <a href="http://www.weather.gov/about">  
 About NWS  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/organization">  
 Organization  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/sp">  
 Strategic Plan  
 </a>  
 </li>  
 <li>  
 <a href="https://sites.google.com/a/noaa.gov/nws-insider/">  
 For NWS Employees  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/international/">  
 International  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/organization">  
 National Centers  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/tg">  
 Products and Services  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/careers/">  
 Careers  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/contact">  
 Contact Us  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/glossary">  
 Glossary  
 </a>  
 </li>  
 </ul>  
 </li>  
 </ul>  
 </div>  
 </div>  
 </nav>  
 <div class="contentArea">  
 <!-- Start Forecastsearch -->  
 <div class="" id="fcst-search">  
 <form action="http://forecast.weather.gov/zipcity.php" class="form-inline" id="getForecast" method="get" name="getForecast" role="form">  
 <div id="getfcst-body">  
 <input class="form-control" id="inputstring" name="inputstring" placeholder="" type="text"/>  
 <input class="btn btn-default" id="btnSearch" name="btnSearch" type="submit" value="Go"/>  
 <div id="txtHelp">  
 <a href="javascript:void(window.open('http://weather.gov/ForecastSearchHelp.html','locsearchhelp','status=0,toolbar=0,location=0,menubar=0,directories=0,resizable=1,scrollbars=1,height=500,width=530').focus());">  
 View Location Examples  
 </a>  
 </div>  
 </div>  
 <div id="txtError">  
 <div id="errorNoResults" style="display:none;">  
 Sorry, the location you searched for was not found. Please try another search.  
 </div>  
 <div id="errorMultipleResults" style="display:none">  
 Multiple locations were found. Please select one of the following:  
 </div>  
 <div id="errorChoices" style="display:none">  
 </div>  
 <input id="btnCloseError" style="display:none" type="button" value="Close"/>  
 </div>  
 <div id="getfcst-head">  
 <p>  
 Your local forecast office is  
 </p>  
 <h3 id="getfcst-headOffice">  
 </h3>  
 </div>  
 </form>  
 </div>  
 <!-- end Forecastsearch -->  
 <link href="/css/topnews.css" rel="stylesheet" type="text/css"/>  
 <div id="news-items">  
 <div id="topnews">  
 <div class="icon">  
 <img src="/images/news-important.jpg"/>  
 </div>  
 <div class="body">  
 <h1 style="font-size: 11pt;">  
 Unsettled & Turning Colder in the West; Locally Heavy Rainfall and a Few Strong Storms in the South  
 </h1>  
 <p>  
 Rain and heavy mountain snowfall will continue across the Great Basin, Rockies and northern Plains through Wednesday. Colder temperatures will return to much of the Northwest. Meanwhile, locally heavy rainfall and a few strong to severe thunderstorms are possible across portions of the lower Mississippi Valley and Southeast.  
 <a href="http://www.wpc.ncep.noaa.gov/discussions/hpcdiscussions.php?disc=pmdspd" target="\_blank">  
 Read More >  
 </a>  
 </p>  
 </div>  
 </div>  
 </div>  
 <script type="text/javascript">  
 (function ($) { var topnews = $("#topnews"); topnews.hide(); $.get("siteNews.php", {a:"mtr"},function(response){ if (response !== "false") topnews.replaceWith($(response)); topnews.show(); }); })(jQuery);  
 </script>  
 <!-- PageFormat-Land -->  
 <script language="javascript">  
 document.title = $('<div/>').html('7-Day Forecast for Latitude 37.77°N and Longitude 122.41°W (Elev. 131 ft)').text();  
 </script>  
 <img src="images/track\_land\_point.png" style="display:none;">  
 <div id="quickLinks">  
 <span class="lang-spanish">  
 <a href="http://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122.4168&lg=sp">  
 En Español  
 </a>  
 </span>  
 <div class="addthis\_toolbox addthis\_default\_style addthis-forecast">  
 <a class="addthis\_button\_compact" href="http://www.addthis.com/bookmark.php?v=250&pubid=ra-5127a6364d551d04">  
 Share  
 </a>  
 <span class="addthis\_separator">  
 |  
 </span>  
 <a class="addthis\_button\_preferred\_1">  
 </a>  
 <a class="addthis\_button\_preferred\_2">  
 </a>  
 <a class="addthis\_button\_preferred\_3">  
 </a>  
 <a class="addthis\_button\_preferred\_4">  
 </a>  
 <a class="addthis\_button\_preferred\_5">  
 </a>  
 </div>  
 <script type="text/javascript">  
 var addthis\_config = addthis\_config || {data\_track\_addressbar:true, pubid: 'xa-4b05b2d91f18c9cc'};  
 $(document).ready(function(){  
 jQuery.ajax({  
 url: "//s7.addthis.com/js/300/addthis\_widget.js#async=1",  
 dataType: "script",  
 cache: false  
 });  
 });  
 </script>  
 </div>  
 <!-- Current Conditions -->  
 <div class="panel panel-default" id="current-conditions">  
 <!-- Current Conditions header row -->  
 <div class="panel-heading">  
 <div>  
 <b>  
 Current conditions at  
 </b>  
 <h2 class="panel-title">  
 SAN FRANCISCO DOWNTOWN (SFOC1)  
 </h2>  
 <span class="smallTxt">  
 <b>  
 Lat:  
 </b>  
 37.77056°N  
 <b>  
 Lon:  
 </b>  
 122.42694°W  
 <b>  
 Elev:  
 </b>  
 150ft.  
 </span>  
 </div>  
 </div>  
 <div class="panel-body" id="current-conditions-body">  
 <!-- Graphic and temperatures -->  
 <div class="pull-left" id="current\_conditions-summary">  
 <p class="myforecast-current">  
 NA  
 </p>  
 <p class="myforecast-current-lrg">  
 50°F  
 </p>  
 <p class="myforecast-current-sm">  
 10°C  
 </p>  
 </div>  
 <div class="pull-left" id="current\_conditions\_detail">  
 <table>  
 <tr>  
 <td class="text-right">  
 <b>  
 Humidity  
 </b>  
 </td>  
 <td>  
 55%  
 </td>  
 </tr>  
 <tr>  
 <td class="text-right">  
 <b>  
 Wind Speed  
 </b>  
 </td>  
 <td>  
 NA  
 </td>  
 </tr>  
 <tr>  
 <td class="text-right">  
 <b>  
 Barometer  
 </b>  
 </td>  
 <td>  
 NA  
 </td>  
 </tr>  
 <tr>  
 <td class="text-right">  
 <b>  
 Dewpoint  
 </b>  
 </td>  
 <td>  
 35°F (2°C)  
 </td>  
 </tr>  
 <tr>  
 <td class="text-right">  
 <b>  
 Visibility  
 </b>  
 </td>  
 <td>  
 NA  
 </td>  
 </tr>  
 <tr>  
 <td class="text-right">  
 <b>  
 Last update  
 </b>  
 </td>  
 <td>  
 20 Dec 9:43 am PST  
 </td>  
 </tr>  
 </table>  
 </div>  
 <div id="current\_conditions\_station">  
 <div class="current-conditions-extra">  
 <!-- Right hand section -->  
 <p class="moreInfo">  
 <b>  
 More Information:  
 </b>  
 </p>  
 <p>  
 <a href="http://www.wrh.noaa.gov/mtr" id="localWFO" title="San Francisco Bay Area/Monterey, CA">  
 <span class="hideText">  
 Local  
 </span>  
 Forecast Office  
 </a>  
 <a href="https://www.wrh.noaa.gov/total\_forecast/other\_obs.php?wfo=mtr&zone=CAZ006" id="moreWx">  
 More Local Wx  
 </a>  
 <a href="https://www.wrh.noaa.gov/mesowest/getobext.php?wfo=mtr&sid=SFOC1&num=72&raw=0">  
 3 Day History  
 </a>  
 <a href="http://mobile.weather.gov/index.php?lat=37.7772&lon=-122.4168&unit=0&lg=english" id="mobileWxLink">  
 Mobile Weather  
 </a>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=graphical" id="wxGraph">  
 Hourly  
 <span class="hideText">  
 Weather  
 </span>  
 Forecast  
 </a>  
 </p>  
 </div>  
 <!-- /current\_conditions\_station -->  
 </div>  
 <!-- /current-conditions-body -->  
 </div>  
 <!-- /Current Conditions -->  
 </div>  
 <!-- 7-Day Forecast -->  
 <div class="panel panel-default" id="seven-day-forecast">  
 <div class="panel-heading">  
 <b>  
 Extended Forecast for  
 </b>  
 <h2 class="panel-title">  
 San Francisco CA  
 </h2>  
 </div>  
 <div class="panel-body" id="seven-day-forecast-body">  
 <div id="seven-day-forecast-container">  
 <ul class="list-unstyled" id="seven-day-forecast-list">  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Today  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph. " class="forecast-icon" src="newimages/medium/few.png" title="Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph. "/>  
 </p>  
 <p class="short-desc">  
 Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 56 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Tonight  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Tonight: Clear, with a low around 46. North wind 13 to 16 mph, with gusts as high as 21 mph. " class="forecast-icon" src="newimages/medium/nskc.png" title="Tonight: Clear, with a low around 46. North wind 13 to 16 mph, with gusts as high as 21 mph. "/>  
 </p>  
 <p class="short-desc">  
 Clear  
 </p>  
 <p class="temp temp-low">  
 Low: 46 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Thursday  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Thursday: Sunny, with a high near 58. North wind 11 to 18 mph, with gusts as high as 24 mph. " class="forecast-icon" src="newimages/medium/skc.png" title="Thursday: Sunny, with a high near 58. North wind 11 to 18 mph, with gusts as high as 24 mph. "/>  
 </p>  
 <p class="short-desc">  
 Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 58 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Thursday  
 <br/>  
 Night  
 </p>  
 <p>  
 <img alt="Thursday Night: Mostly clear, with a low around 46. West northwest wind around 7 mph becoming south southeast in the evening. " class="forecast-icon" src="newimages/medium/nfew.png" title="Thursday Night: Mostly clear, with a low around 46. West northwest wind around 7 mph becoming south southeast in the evening. "/>  
 </p>  
 <p class="short-desc">  
 Mostly Clear  
 </p>  
 <p class="temp temp-low">  
 Low: 46 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Friday  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Friday: Sunny, with a high near 57. Southeast wind around 6 mph. " class="forecast-icon" src="newimages/medium/few.png" title="Friday: Sunny, with a high near 57. Southeast wind around 6 mph. "/>  
 </p>  
 <p class="short-desc">  
 Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 57 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Friday  
 <br/>  
 Night  
 </p>  
 <p>  
 <img alt="Friday Night: Partly cloudy, with a low around 47." class="forecast-icon" src="newimages/medium/nsct.png" title="Friday Night: Partly cloudy, with a low around 47."/>  
 </p>  
 <p class="short-desc">  
 Partly Cloudy  
 </p>  
 <p class="temp temp-low">  
 Low: 47 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Saturday  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Saturday: Mostly sunny, with a high near 58." class="forecast-icon" src="newimages/medium/sct.png" title="Saturday: Mostly sunny, with a high near 58."/>  
 </p>  
 <p class="short-desc">  
 Mostly Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 58 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Saturday  
 <br/>  
 Night  
 </p>  
 <p>  
 <img alt="Saturday Night: Partly cloudy, with a low around 48." class="forecast-icon" src="newimages/medium/nsct.png" title="Saturday Night: Partly cloudy, with a low around 48."/>  
 </p>  
 <p class="short-desc">  
 Partly Cloudy  
 </p>  
 <p class="temp temp-low">  
 Low: 48 °F  
 </p>  
 </div>  
 </li>  
 <li class="forecast-tombstone">  
 <div class="tombstone-container">  
 <p class="period-name">  
 Sunday  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Sunday: Mostly sunny, with a high near 59." class="forecast-icon" src="newimages/medium/sct.png" title="Sunday: Mostly sunny, with a high near 59."/>  
 </p>  
 <p class="short-desc">  
 Mostly Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 59 °F  
 </p>  
 </div>  
 </li>  
 </ul>  
 </div>  
 <script type="text/javascript">  
 // equalize forecast heights  
$(function () {  
 var maxh = 0;  
 $(".forecast-tombstone .short-desc").each(function () {  
 var h = $(this).height();  
 if (h > maxh) { maxh = h; }  
 });  
 $(".forecast-tombstone .short-desc").height(maxh);  
});  
 </script>  
 </div>  
 </div>  
 <!-- Everything between 7-Day Forecast and Footer goes in this row -->  
 <div class="row" id="floatingDivs">  
 <!-- Everything on the left-hand side -->  
 <div class="col-md-7 col-lg-8">  
 <!-- Detailed Forecast -->  
 <div class="panel panel-default" id="detailed-forecast">  
 <div class="panel-heading">  
 <h2 class="panel-title">  
 Detailed Forecast  
 </h2>  
 </div>  
 <div class="panel-body" id="detailed-forecast-body">  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Today  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Tonight  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Clear, with a low around 46. North wind 13 to 16 mph, with gusts as high as 21 mph.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Thursday  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Sunny, with a high near 58. North wind 11 to 18 mph, with gusts as high as 24 mph.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Thursday Night  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly clear, with a low around 46. West northwest wind around 7 mph becoming south southeast in the evening.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Friday  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Sunny, with a high near 57. Southeast wind around 6 mph.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Friday Night  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Partly cloudy, with a low around 47.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Saturday  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly sunny, with a high near 58.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Saturday Night  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Partly cloudy, with a low around 48.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Sunday  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly sunny, with a high near 59.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Sunday Night  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Partly cloudy, with a low around 50.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Christmas Day  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly sunny, with a high near 60.  
 </div>  
 </div>  
 <div class="row row-even row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Monday Night  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly cloudy, with a low around 50.  
 </div>  
 </div>  
 <div class="row row-odd row-forecast">  
 <div class="col-sm-2 forecast-label">  
 <b>  
 Tuesday  
 </b>  
 </div>  
 <div class="col-sm-10 forecast-text">  
 Mostly sunny, with a high near 60.  
 </div>  
 </div>  
 </div>  
 </div>  
 <!-- /Detailed Forecast -->  
 <!-- Additional Forecasts and Information -->  
 <div class="panel panel-default" id="additional\_forecasts">  
 <div class="panel-heading">  
 <h2 class="panel-title">  
 Additional Forecasts and Information  
 </h2>  
 </div>  
 <div class="panel-body" id="additional-forecasts-body">  
 <p class="myforecast-location">  
 <a href="MapClick.php?zoneid=CAZ006">  
 Zone Area Forecast for San Francisco County, CA  
 </a>  
 </p>  
 <!-- First nine-ten links -->  
 <div id="linkBlockContainer">  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://forecast.weather.gov/product.php?site=MTR&issuedby=MTR&product=AFD&format=CI&version=1&glossary=1">  
 Forecast Discussion  
 </a>  
 </li>  
 <li>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=text&TextType=2">  
 Printable Forecast  
 </a>  
 </li>  
 <li>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=text&TextType=1">  
 Text Only Forecast  
 </a>  
 </li>  
 </ul>  
 </div>  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=graphical">  
 Hourly Weather Forecast  
 </a>  
 </li>  
 <li>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=digital">  
 Tabular Forecast  
 </a>  
 </li>  
 <!-- <li><a href="afm/PointClick.php?lat=37.7772&lon=-122.4168">Quick Forecast</a></li> -->  
 </ul>  
 </div>  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://weather.gov/aq/probe\_aq\_data.php?latitude=37.7772&longitude=-122.4168">  
 Air Quality Forecasts  
 </a>  
 </li>  
 <li>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&FcstType=text&unit=1&lg=en">  
 International System of Units  
 </a>  
 </li>  
 <li>  
 <a href="http://www.srh.weather.gov/srh/jetstream/webweather/pinpoint\_max.htm">  
 About Point Forecasts  
 </a>  
 </li>  
 <li>  
 <a href="http://www.wrh.noaa.gov/forecast/wxtables/index.php?lat=37.7772&lon=-122.4168">  
 Forecast Weather Table Interface  
 </a>  
 </li>  
 </ul>  
 </div>  
 <!-- /First nine-ten links -->  
 <!-- Additional links -->  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://www.wrh.noaa.gov/mtr/versprod.php?pil=RR8&sid=RSA" target="\_self">  
 Hourly River Stages  
 </a>  
 </li>  
 <li>  
 <a href="http://www.wrh.noaa.gov/mtr/versprod.php?pil=RR5&sid=RSA" target="\_self">  
 Hourly Rainfall  
 </a>  
 </li>  
 </ul>  
 </div>  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://www.wrh.noaa.gov/mtr/wxlinks.php" target="\_self">  
 NWS Office Map  
 </a>  
 </li>  
 <li>  
 <a href="http://www.wrh.noaa.gov/mtr/wx\_calculator.php" target="\_self">  
 Weather Calculator  
 </a>  
 </li>  
 </ul>  
 </div>  
 <div class="linkBlock">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://www.nws.noaa.gov/wtf/udaf/area/?site=mtr" target="\_self">  
 User Defined Area  
 </a>  
 </li>  
 </ul>  
 </div>  
 </div>  
 <!-- /linkBlockContainer -->  
 </div>  
 <!-- /additional-forecasts-body-->  
 </div>  
 <!-- /additional\_forecasts -->  
 </div>  
 <!-- /Everything on the left-hand side -->  
 <!-- right-side-data -->  
 <div class="col-md-5 col-lg-4" id="right-side-data">  
 <div id="mapAndDescriptionArea">  
 <!-- openlayer map -->  
 <style>  
 #custom-search{  
display: block;  
position: relative;  
z-index: 50;  
top: 52px;  
left: 60px;  
}  
#esri-geocoder-search{  
display: block;  
position: relative;  
z-index: 50;  
top: 52px;  
left: 60px;  
}  
#emap{  
margin-top:15px;  
cursor:pointer;  
height:370px;  
width:100%;  
border: 1px solid #ccc;  
border-radius: 3px;  
}  
#switch-basemap-container{  
}  
#basemap-selection-form ul{  
list-style: none;  
 margin: 0px;  
}  
#basemap-selection-form li{  
float: left;  
}  
.disclaimer{  
margin-top:350px;  
margin-left: 5px;  
z-index: 100;  
position: absolute;  
text-transform: none;  
}  
.esriAttributionLastItem{  
text-transform: none;  
}  
.esriSimpleSlider div{  
height:22px;  
line-height:20px;  
width:20px;  
}  
#point-forecast-map-label {  
text-align:center;  
font-weight:bold;  
color:black;  
}  
@media (max-width: 767px) {  
#emap{  
margin-top:.5em;  
height:270px;  
}  
.disclaimer{  
margin-top:250px;  
}  
}  
 </style>  
 <!-- forecast-map -->  
 <div class="point-forecast-map">  
 <div class="point-forecast-map-header text-center">  
 <div id="toolbar">  
 <div id="switch-basemap-container">  
 <div id="basemap-selection-form" title="Choose a Basemap">  
 <div id="basemap-menu">  
 <select autocomplete="off" id="basemap-selected" name="basemap-selected" title="Basemap Dropdown Menu">  
 <option value="none">  
 Select Basemap  
 </option>  
 <option selected="" value="topo">  
 Topographic  
 </option>  
 <option value="streets">  
 Streets  
 </option>  
 <option value="satellite">  
 Satellite  
 </option>  
 <option value="ocean">  
 Ocean  
 </option>  
 </select>  
 </div>  
 </div>  
 <div id="point-forecast-map-label">  
 Click Map For Forecast  
 </div>  
 </div>  
 <!-- //#switch-basemap-container -->  
 <div style="clear:both;">  
 </div>  
 </div>  
 <!-- //#toolbar -->  
 </div>  
 <!-- //.point-forecast-map-header -->  
 <div id="emap">  
 <noscript>  
 <center>  
 <br/>  
 <br/>  
 <b>  
 Map function requires Javascript and a compatible browser.  
 </b>  
 </center>  
 </noscript>  
 <div class="disclaimer">  
 <a href="http://www.weather.gov/disclaimer#esri">  
 Disclaimer  
 </a>  
 </div>  
 </div>  
 <!-- //#emap -->  
 <div class="point-forecast-map-footer">  
 <img alt="Map Legend" height="16" src="./images/wtf/maplegend\_forecast-area.gif" width="100"/>  
 </div>  
 <!-- //.point-forecast-map-footer -->  
 </div>  
 <!-- //.point-forecast-map -->  
 <!-- //forecast-map -->  
 <!-- //openlayer map -->  
 <!-- About this Forecast -->  
 <div id="about\_forecast">  
 <div class="fullRow">  
 <div class="left">  
 Point Forecast:  
 </div>  
 <div class="right">  
 San Francisco CA  
 <br/>  
 37.77°N 122.41°W (Elev. 131 ft)  
 </div>  
 </div>  
 <div class="fullRow">  
 <div class="left">  
 <a href="http://www.weather.gov/glossary/index.php?word=Last+update" target="\_blank">  
 Last Update  
 </a>  
 :  
 </div>  
 <div class="right">  
 8:37 am PST Dec 20, 2017  
 </div>  
 </div>  
 <div class="fullRow">  
 <div class="left">  
 <a href="http://www.weather.gov/glossary/index.php?word=forecast+valid+for" target="\_blank">  
 Forecast Valid  
 </a>  
 :  
 </div>  
 <div class="right">  
 10am PST Dec 20, 2017-6pm PST Dec 26, 2017  
 </div>  
 </div>  
 <div class="fullRow">  
 <div class="left">  
 </div>  
 <div class="right">  
 <a href="http://forecast.weather.gov/product.php?site=MTR&issuedby=MTR&product=AFD&format=CI&version=1&glossary=1">  
 Forecast Discussion  
 </a>  
 </div>  
 </div>  
 <div class="fullRow">  
 <div class="left">  
 </div>  
 <div class="right">  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=kml">  
 <img alt="Get as KML" height="17" src="/images/wtf/kml\_badge.png" width="45"/>  
 </a>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=dwml">  
 <img alt="Get as XML" height="17" src="/images/wtf/xml\_badge.png" width="45"/>  
 </a>  
 </div>  
 </div>  
 </div>  
 <!-- /About this Forecast -->  
 </div>  
 <!--additionalForecast-->  
 <div class="panel panel-default" id="additionalForecast">  
 <div class="panel-heading">  
 <h2 class="panel-title">  
 Additional Resources  
 </h2>  
 </div>  
 <div class="panel-body">  
 <!-- Radar & Satellite Images -->  
 <div class="subItem" id="radar">  
 <h4>  
 Radar & Satellite Image  
 </h4>  
 <a href="http://radar.weather.gov/radar.php?rid=mux&product=N0R&overlay=11101111&loop=no">  
 <img alt="Link to Local Radar Data" class="radar-thumb" src="http://radar.weather.gov/Thumbs/MUX\_Thumb.gif" title="Link to Local Radar Data"/>  
 </a>  
 <a href="http://www.wrh.noaa.gov/satellite/?wfo=mtr">  
 <img alt="Link to Satellite Data" class="satellite-thumb" src="http://www.ssd.noaa.gov/goes/west/wfo/mtr/ft.jpg" title="Link to Satellite Data"/>  
 </a>  
 </div>  
 <!-- /Radar & Satellite Images -->  
 <!-- Hourly Weather Forecast -->  
 <div class="subItem" id="feature">  
 <h4>  
 Hourly Weather Forecast  
 </h4>  
 <a href="MapClick.php?lat=37.7772&lon=-122.4168&unit=0&lg=english&FcstType=graphical">  
 <img class="img-responsive" src="newimages/medium/hourlyweather.png"/>  
 </a>  
 </div>  
 <!-- /Hourly Weather Forecast -->  
 <!-- NDFD -->  
 <div class="subItem" id="NDFD">  
 <h4>  
 National Digital Forecast Database  
 </h4>  
 <div class="one-sixth-first">  
 <a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=MaxT">  
 <img alt="National Digital Forecast Database Maximum Temperature Forecast" border="0" height="150" src="http://www.weather.gov/forecasts/graphical/images/thumbnail/latest\_MaxMinT\_pacsouthwest\_thumbnail.png" title="National Digital Forecast Database Maximum Temperature Forecast" width="147"/>  
 </a>  
 <p>  
 <a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=MaxT">  
 High Temperature  
 </a>  
 </p>  
 </div>  
 <div class="one-sixth-first">  
 <a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=Wx">  
 <img alt="National Digital Forecast Database Weather Element Forecast" border="0" height="150" src="http://www.weather.gov/forecasts/graphical/images/thumbnail/latest\_Wx\_pacsouthwest\_thumbnail.png" title="National Digital Forecast Database Weather Element Forecast" width="147"/>  
 </a>  
 <p>  
 <a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=Wx">  
 Chance of Precipitation  
 </a>  
 </p>  
 </div>  
 </div>  
 <!-- /NDFD -->  
 </div>  
 </div>  
 <!-- /additionalForecast -->  
 </div>  
 <!-- /col-md-4 -->  
 <!-- /right-side-data -->  
 <script language="javascript">  
 $( document ).ready(function() { load\_openlayers\_map('', '', '', '{"centroid\_lat":"37.7772","centroid\_lon":"-122.4168","lat1":"37.7595","lon1":"-122.4205","lat2":"37.781","lon2":"-122.426","lat3":"37.7855","lon3":"-122.3985","lat4":"37.764","lon4":"-122.393"}') });  
 </script>  
 </div>  
 <!-- /row -->  
 </img>  
 </div>  
 <!-- /PageFormat-Land -->  
 </main>  
 </body>  
</html>  
<footer>  
 <div class="sitemap-content row" id="sitemap">  
 <div class="col-xs-12">  
 <div class="sitemap-columns">  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href=" http://www.nws.noaa.gov/climate/">  
 PAST WEATHER  
 </a>  
 <button class="menu-toggle pull-right" data-target="#sitemap-1" data-toggle="collapse" type="button">  
 <span class="sr-only">  
 Toggle menu  
 </span>  
 <span class="icon-bar">  
 </span>  
 <span class="icon-bar">  
 </span>  
 <span class="icon-bar">  
 </span>  
 </button>  
 </div>  
 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-1">  
 <ul class="list-unstyled">  
 <li>  
 <a href=" http://www.nws.noaa.gov/climate/">  
 Past Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.cpc.ncep.noaa.gov/products/MD\_index.shtml">  
 Climate Monitoring  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/climate/">  
 Heating/Cooling Days  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/climate/">  
 Monthly Temps  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/climate/">  
 Records  
 </a>  
 </li>  
 <li>  
 <a href=" http://aa.usno.navy.mil/">  
 Astronomical Data  
 </a>  
 </li>  
 <li>  
 <a href="http://www.ncdc.noaa.gov/oa/mpp/">  
 Certified Weather Data  
 </a>  
 </li>  
 </ul>  
 </div>  
 </div>  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://alerts.weather.gov">  
 ACTIVE ALERTS  
 </a>  
 <button class="menu-toggle pull-right" data-target="#sitemap-2" data-toggle="collapse" type="button">  
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 Toggle menu  
 </span>  
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 </span>  
 </button>  
 </div>  
 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-2">  
 <ul class="list-unstyled">  
 <li>  
 <a href=" http://alerts.weather.gov">  
 Warnings By State  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.wpc.ncep.noaa.gov/ww.shtml">  
 Excessive Rainfall and Winter Weather Forecasts  
 </a>  
 </li>  
 <li>  
 <a href="http://water.weather.gov/ahps/?current\_color=flood&current\_type=all&fcst\_type=obs&conus\_map=d\_map">  
 River Flooding  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov">  
 Latest Warnings  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.spc.noaa.gov/products/outlook/">  
 Thunderstorm/Tornado Outlook  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nhc.noaa.gov/">  
 Hurricanes  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.spc.noaa.gov/products/fire\_wx/">  
 Fire Weather Outlooks  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.cpc.ncep.noaa.gov/products/stratosphere/uv\_index/uv\_alert.shtml">  
 UV Alerts  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.drought.gov/">  
 Drought  
 </a>  
 </li>  
 <li>  
 <a href="http://www.swpc.noaa.gov/products/alerts-watches-and-warnings">  
 Space Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/nwr/">  
 NOAA Weather Radio  
 </a>  
 </li>  
 <li>  
 <a href=" http://alerts.weather.gov/">  
 NWS CAP Feeds  
 </a>  
 </li>  
 </ul>  
 </div>  
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 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://www.weather.gov/current">  
 CURRENT CONDITIONS  
 </a>  
 <button class="menu-toggle pull-right" data-target="#sitemap-3" data-toggle="collapse" type="button">  
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 Toggle menu  
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 </span>  
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 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-3">  
 <ul class="list-unstyled">  
 <li>  
 <a href=" http://www.weather.gov/Radar">  
 Radar  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cpc.ncep.noaa.gov/products/monitoring\_and\_data/">  
 Climate Monitoring  
 </a>  
 </li>  
 <li>  
 <a href=" http://water.weather.gov/ahps/">  
 River Levels  
 </a>  
 </li>  
 <li>  
 <a href=" http://water.weather.gov/precip/">  
 Observed Precipitation  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/osd/portal.shtml">  
 Surface Weather  
 </a>  
 </li>  
 <li>  
 <a href="ftp://tgftp.nws.noaa.gov/fax/barotrop.shtml">  
 Upper Air  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.ndbc.noaa.gov/">  
 Marine and Buoy Reports  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nohrsc.noaa.gov/interactive/html/map.html">  
 Snow Cover  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.goes.noaa.gov">  
 Satellite  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.swpc.noaa.gov/">  
 Space Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/pr">  
 International Observations  
 </a>  
 </li>  
 </ul>  
 </div>  
 </div>  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://weather.gov/forecastmaps">  
 FORECAST  
 </a>  
 <button class="menu-toggle pull-right" data-target="#sitemap-4" data-toggle="collapse" type="button">  
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 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-4">  
 <ul class="list-unstyled">  
 <li>  
 <a href=" http://www.weather.gov/">  
 Local Forecast  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/pr">  
 International Forecasts  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.spc.noaa.gov/">  
 Severe Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.wpc.ncep.noaa.gov/">  
 Current Outlook Maps  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cpc.ncep.noaa.gov/products/Drought">  
 Drought  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/fire">  
 Fire Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.wpc.ncep.noaa.gov/">  
 Fronts/Precipitation Maps  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/forecasts/graphical/">  
 Current Graphical Forecast Maps  
 </a>  
 </li>  
 <li>  
 <a href="http://water.weather.gov/ahps/forecasts.php">  
 Rivers  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/om/marine/home.htm">  
 Marine  
 </a>  
 </li>  
 <li>  
 <a href="http://www.opc.ncep.noaa.gov/marine\_areas.php">  
 Offshore and High Seas  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nhc.noaa.gov/">  
 Hurricanes  
 </a>  
 </li>  
 <li>  
 <a href=" http://aviationweather.gov">  
 Aviation Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cpc.ncep.noaa.gov/products/OUTLOOKS\_index.shtml">  
 Climatic Outlook  
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 <a class="sitemap-section-heading" href="http://www.weather.gov/informationcenter">  
 INFORMATION CENTER  
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 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-5">  
 <ul class="list-unstyled">  
 <li>  
 <a href=" http://www.spaceweather.gov">  
 Space Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/briefing/">  
 Daily Briefing  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/om/marine/home.htm">  
 Marine  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/climate">  
 Climate  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/fire">  
 Fire Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.aviationweather.gov/">  
 Aviation  
 </a>  
 </li>  
 <li>  
 <a href="http://mag.ncep.noaa.gov/">  
 Forecast Models  
 </a>  
 </li>  
 <li>  
 <a href="http://water.weather.gov/ahps/">  
 Water  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/gis">  
 GIS  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/pr">  
 International Weather  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nws.noaa.gov/om/coop/">  
 Cooperative Observers  
 </a>  
 </li>  
 <li>  
 <a href="https://www.weather.gov/skywarn/">  
 Storm Spotters  
 </a>  
 </li>  
 <li>  
 <a href="http://www.tsunami.gov">  
 Tsunami  
 </a>  
 </li>  
 <li>  
 <a href="http://www.economics.noaa.gov">  
 Facts and Figures  
 </a>  
 </li>  
 <li>  
 <a href="http://water.noaa.gov/">  
 National Water Center  
 </a>  
 </li>  
 </ul>  
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 </div>  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://weather.gov/safety">  
 WEATHER SAFETY  
 </a>  
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 <li>  
 <a href="http://www.weather.gov/nwr/">  
 NOAA Weather Radio  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/stormready/">  
 StormReady  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/heat/index.shtml">  
 Heat  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.lightningsafety.noaa.gov/">  
 Lightning  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.nhc.noaa.gov/prepare/">  
 Hurricanes  
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 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/thunderstorm/">  
 Thunderstorms  
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 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/os/tornado/">  
 Tornadoes  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.ripcurrents.noaa.gov/">  
 Rip Currents  
 </a>  
 </li>  
 <li>  
 <a href="http://www.floodsafety.noaa.gov/">  
 Floods  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/om/winter/index.shtml">  
 Winter Weather  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/om/heat/uv.shtml">  
 Ultra Violet Radiation  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/airquality/">  
 Air Quality  
 </a>  
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 <li>  
 <a href=" http://www.weather.gov/om/hazstats.shtml">  
 Damage/Fatality/Injury Statistics  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.redcross.org/">  
 Red Cross  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.fema.gov/">  
 Federal Emergency Management Agency (FEMA)  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/om/brochures.shtml">  
 Brochures  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/os/marine/safeboating/">  
 Safe Boating  
 </a>  
 </li>  
 </ul>  
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 </div>  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://weather.gov/news">  
 NEWS  
 </a>  
 <button class="menu-toggle pull-right" data-target="#sitemap-7" data-toggle="collapse" type="button">  
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 </button>  
 </div>  
 <div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-7">  
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 <li>  
 <a href=" http://weather.gov/news">  
 Newsroom  
 </a>  
 </li>  
 <li>  
 <a href=" http://weather.gov/socialmedia">  
 Social Media  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/com/weatherreadynation/calendar.html">  
 Events  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/om/brochures.shtml">  
 Pubs/Brochures/Booklets  
 </a>  
 </li>  
 </ul>  
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 <div class="sitemap-section">  
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 <a class="sitemap-section-heading" href="http://weather.gov/owlie">  
 EDUCATION  
 </a>  
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 <ul class="list-unstyled">  
 <li>  
 <a href="http://weather.gov/owlie">  
 NWS Education Home  
 </a>  
 </li>  
 <li>  
 <a href="http://www.nws.noaa.gov/com/weatherreadynation/force.html">  
 Be A Force of Nature  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.education.noaa.gov/Weather\_and\_Atmosphere/">  
 NOAA Education Resources  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/glossary/">  
 Glossary  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.srh.noaa.gov/srh/jetstream/">  
 JetStream  
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 <li>  
 <a href=" http://www.weather.gov/training/">  
 NWS Training Portal  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.lib.noaa.gov/">  
 NOAA Library  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/owlie">  
 For Students, Parents and Teachers  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/owlie/publication\_brochures">  
 Brochures  
 </a>  
 </li>  
 </ul>  
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 </div>  
 <div class="sitemap-section">  
 <div class="panel-heading">  
 <a class="sitemap-section-heading" href="http://weather.gov/about">  
 ABOUT  
 </a>  
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 Toggle menu  
 </span>  
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 <li>  
 <a href="http://weather.gov/organization">  
 Organization  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/sp/">  
 Strategic Plan  
 </a>  
 </li>  
 <li>  
 <a href="https://sites.google.com/a/noaa.gov/nws-best-practices/">  
 For NWS Employees  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/ia/home.htm">  
 International  
 </a>  
 </li>  
 <li>  
 <a href="http://www.ncep.noaa.gov/">  
 National Centers  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/tg/">  
 Products and Services  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/careers/">  
 Careers  
 </a>  
 </li>  
 <li>  
 <a href=" http://www.weather.gov/glossary/">  
 Glossary  
 </a>  
 </li>  
 <li>  
 <a href="http://weather.gov/contact">  
 Contact Us  
 </a>  
 </li>  
 </ul>  
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 <div class="col-xs-12 col-sm-2 col-md-2" id="footerLogo">  
 <a href="http://www.usa.gov">  
 <img alt="usa.gov" height="30" src="/css/images/usa\_gov.png" width="110"/>  
 </a>  
 </div>  
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 <li>  
 <a href="http://www.commerce.gov">  
 US Dept of Commerce  
 </a>  
 </li>  
 <li>  
 <a href="http://www.noaa.gov">  
 National Oceanic and Atmospheric Administration  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov">  
 National Weather Service  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/mtr">  
 San Francisco Bay Area, CA  
 </a>  
 </li>  
 <li>  
 <br>  
 <a href="mailto:w-mtr.webmaster@noaa.gov">  
 Comments? Questions? Please Contact Us.  
 </a>  
 </br>  
 </li>  
 </ul>  
 </div>  
 <div class="col-xs-12 col-sm-3 col-md-3">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://www.weather.gov/disclaimer">  
 Disclaimer  
 </a>  
 </li>  
 <li>  
 <a href="http://www.cio.noaa.gov/services\_programs/info\_quality.html">  
 Information Quality  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/help">  
 Help  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/glossary">  
 Glossary  
 </a>  
 </li>  
 </ul>  
 </div>  
 <div class="col-xs-12 col-sm-3 col-md-3">  
 <ul class="list-unstyled">  
 <li>  
 <a href="http://www.weather.gov/privacy">  
 Privacy Policy  
 </a>  
 </li>  
 <li>  
 <a href="http://www.rdc.noaa.gov/~foia">  
 Freedom of Information Act (FOIA)  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/about">  
 About Us  
 </a>  
 </li>  
 <li>  
 <a href="http://www.weather.gov/careers">  
 Career Opportunities  
 </a>  
 </li>  
 </ul>  
 </div>  
 </div>  
</footer>

In [9]:

soup.children

Out[9]:

<list\_iterator at 0xc841bd3780>

In [10]:

html = list(soup.children)[2]

In [11]:

sdc = soup.find(id = "seven-day-forecast-container")

In [12]:

Forecast\_Items = sdc.find\_all(class\_ = "tombstone-container")

In [13]:

tonight = Forecast\_Items[0]

In [14]:

print(tonight.prettify())

<div class="tombstone-container">  
 <p class="period-name">  
 Today  
 <br/>  
 <br/>  
 </p>  
 <p>  
 <img alt="Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph. " class="forecast-icon" src="newimages/medium/few.png" title="Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph. "/>  
 </p>  
 <p class="short-desc">  
 Sunny  
 </p>  
 <p class="temp temp-high">  
 High: 56 °F  
 </p>  
</div>

In [15]:

period = tonight.find(class\_="period-name").get\_text()

In [16]:

short\_desc = tonight.find(class\_="short-desc").get\_text()

In [17]:

temp = tonight.find(class\_="temp").get\_text()

In [18]:

temp

Out[18]:

'High: 56 °F'

In [19]:

print(period)  
print(short\_desc)  
print(temp)

Today  
Sunny  
High: 56 °F

In [20]:

img = tonight.find("img")

In [21]:

desc = img['title']

In [22]:

print(desc)

Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph.

**Creating a list of periods**[**¶**](#gjdgxs)

In [23]:

period\_tags = sdc.select(".tombstone-container .period-name")

In [24]:

period\_tags

Out[24]:

[<p class="period-name">Today<br/><br/></p>,  
 <p class="period-name">Tonight<br/><br/></p>,  
 <p class="period-name">Thursday<br/><br/></p>,  
 <p class="period-name">Thursday<br/>Night</p>,  
 <p class="period-name">Friday<br/><br/></p>,  
 <p class="period-name">Friday<br/>Night</p>,  
 <p class="period-name">Saturday<br/><br/></p>,  
 <p class="period-name">Saturday<br/>Night</p>,  
 <p class="period-name">Sunday<br/><br/></p>]

In [25]:

period\_names = [pd.get\_text() **for** pd **in** period\_tags]

In [26]:

period\_names = period\_names

In [27]:

short\_descrip = sdc.select(".tombstone-container .short-desc")

In [28]:

short\_descs = [sd.get\_text() **for** sd **in** short\_descrip]

In [29]:

short\_descs

Out[29]:

['Sunny',  
 'Clear',  
 'Sunny',  
 'Mostly Clear',  
 'Sunny',  
 'Partly Cloudy',  
 'Mostly Sunny',  
 'Partly Cloudy',  
 'Mostly Sunny']

In [30]:

temperature = sdc.select(".tombstone-container .temp")

In [31]:

temps = [tm.get\_text() **for** tm **in** temperature]

In [32]:

temps

Out[32]:

['High: 56 °F',  
 'Low: 46 °F',  
 'High: 58 °F',  
 'Low: 46 °F',  
 'High: 57 °F',  
 'Low: 47 °F',  
 'High: 58 °F',  
 'Low: 48 °F',  
 'High: 59 °F']

In [33]:

Titles = sdc.select(".tombstone-container img")  
titles = [tt["title"] **for** tt **in** sdc.select(".tombstone-container img")]  
  
titles

Out[33]:

['Today: Sunny, with a high near 56. North northwest wind 15 to 18 mph, with gusts as high as 24 mph. ',  
 'Tonight: Clear, with a low around 46. North wind 13 to 16 mph, with gusts as high as 21 mph. ',  
 'Thursday: Sunny, with a high near 58. North wind 11 to 18 mph, with gusts as high as 24 mph. ',  
 'Thursday Night: Mostly clear, with a low around 46. West northwest wind around 7 mph becoming south southeast in the evening. ',  
 'Friday: Sunny, with a high near 57. Southeast wind around 6 mph. ',  
 'Friday Night: Partly cloudy, with a low around 47.',  
 'Saturday: Mostly sunny, with a high near 58.',  
 'Saturday Night: Partly cloudy, with a low around 48.',  
 'Sunday: Mostly sunny, with a high near 59.']

**Creating a Dataframe**[**¶**](#30j0zll)

In [34]:

**import** **pandas** **as** **pd**

In [35]:

diction = {'Period Names': period\_names,  
 'Short Description':short\_descs,  
 'Descriptions':titles,  
 'Temperature':temps}

In [36]:

data = pd.DataFrame(diction)

In [37]:

data

Out[37]:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Descriptions** | **Period Names** | **Short Description** | **Temperature** |
| **0** | Today: Sunny, with a high near 56. North north... | Today | Sunny | High: 56 °F |
| **1** | Tonight: Clear, with a low around 46. North wi... | Tonight | Clear | Low: 46 °F |
| **2** | Thursday: Sunny, with a high near 58. North wi... | Thursday | Sunny | High: 58 °F |
| **3** | Thursday Night: Mostly clear, with a low aroun... | ThursdayNight | Mostly Clear | Low: 46 °F |
| **4** | Friday: Sunny, with a high near 57. Southeast ... | Friday | Sunny | High: 57 °F |
| **5** | Friday Night: Partly cloudy, with a low around... | FridayNight | Partly Cloudy | Low: 47 °F |
| **6** | Saturday: Mostly sunny, with a high near 58. | Saturday | Mostly Sunny | High: 58 °F |
| **7** | Saturday Night: Partly cloudy, with a low arou... | SaturdayNight | Partly Cloudy | Low: 48 °F |
| **8** | Sunday: Mostly sunny, with a high near 59. | Sunday | Mostly Sunny | High: 59 °F |

In [38]:

data[(data["Period Names"].str.contains("Night")) & (data["Temperature"].str.contains("Low"))]

Out[38]:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Descriptions** | **Period Names** | **Short Description** | **Temperature** |
| **3** | Thursday Night: Mostly clear, with a low aroun... | ThursdayNight | Mostly Clear | Low: 46 °F |
| **5** | Friday Night: Partly cloudy, with a low around... | FridayNight | Partly Cloudy | Low: 47 °F |
| **7** | Saturday Night: Partly cloudy, with a low arou... | SaturdayNight | Partly Cloudy | Low: 48 °F |

In [39]:

data

Out[39]:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Descriptions** | **Period Names** | **Short Description** | **Temperature** |
| **0** | Today: Sunny, with a high near 56. North north... | Today | Sunny | High: 56 °F |
| **1** | Tonight: Clear, with a low around 46. North wi... | Tonight | Clear | Low: 46 °F |
| **2** | Thursday: Sunny, with a high near 58. North wi... | Thursday | Sunny | High: 58 °F |
| **3** | Thursday Night: Mostly clear, with a low aroun... | ThursdayNight | Mostly Clear | Low: 46 °F |
| **4** | Friday: Sunny, with a high near 57. Southeast ... | Friday | Sunny | High: 57 °F |
| **5** | Friday Night: Partly cloudy, with a low around... | FridayNight | Partly Cloudy | Low: 47 °F |
| **6** | Saturday: Mostly sunny, with a high near 58. | Saturday | Mostly Sunny | High: 58 °F |
| **7** | Saturday Night: Partly cloudy, with a low arou... | SaturdayNight | Partly Cloudy | Low: 48 °F |
| **8** | Sunday: Mostly sunny, with a high near 59. | Sunday | Mostly Sunny | High: 59 °F |

In [40]:

data['Temp'] = data['Temperature'].str.extract('(\d\d)', expand = **True**).astype(int)

In [41]:

data

Out[41]:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Descriptions** | **Period Names** | **Short Description** | **Temperature** | **Temp** |
| **0** | Today: Sunny, with a high near 56. North north... | Today | Sunny | High: 56 °F | 56 |
| **1** | Tonight: Clear, with a low around 46. North wi... | Tonight | Clear | Low: 46 °F | 46 |
| **2** | Thursday: Sunny, with a high near 58. North wi... | Thursday | Sunny | High: 58 °F | 58 |
| **3** | Thursday Night: Mostly clear, with a low aroun... | ThursdayNight | Mostly Clear | Low: 46 °F | 46 |
| **4** | Friday: Sunny, with a high near 57. Southeast ... | Friday | Sunny | High: 57 °F | 57 |
| **5** | Friday Night: Partly cloudy, with a low around... | FridayNight | Partly Cloudy | Low: 47 °F | 47 |
| **6** | Saturday: Mostly sunny, with a high near 58. | Saturday | Mostly Sunny | High: 58 °F | 58 |
| **7** | Saturday Night: Partly cloudy, with a low arou... | SaturdayNight | Partly Cloudy | Low: 48 °F | 48 |
| **8** | Sunday: Mostly sunny, with a high near 59. | Sunday | Mostly Sunny | High: 59 °F | 59 |

**Data Visualisation**[**¶**](#1fob9te)

In [46]:

**import** **seaborn** **as** **sns**  
**import** **matplotlib.pyplot** **as** **plt**  
%**matplotlib** inline

In [55]:

plt.figure(figsize=(12,7))  
sns.set\_style('dark')  
fig1 = sns.barplot(x=data['Period Names'],y=data['Temp'],hue=data['Short Description'])  
Figure = fig1.get\_figure()  
Figure.savefig('Figure 1.jpg', dpi=400)

E:\Python\Anaconda\lib\site-packages\seaborn\categorical.py:1508: FutureWarning: remove\_na is deprecated and is a private function. Do not use.  
 stat\_data = remove\_na(group\_data[hue\_mask])

In [56]:

fig2=sns.distplot(data['Temp'])  
Figure = fig2.get\_figure()  
Figure.savefig('Figure 2.jpg', dpi=400)