

# Notes for Data Entry Forms

For the data entry there are three web languages being used. The three languages are HTML, JavaScript, and PHP. HTML is used for the design of the entry form, such as the table and the form submission. JavaScript is used for the checking of the data being entered twice on the page. When the JavaScript checks both tables, it also checks the date to determine if the user entering in the data has changed the date from the default date. This program does this because if the user does not change the date for the data being entered, then the data will be entered with the incorrect date. PHP is used to submit the data into the MySQL Database.

## Hourly Data Recorded (Temperature, Sunshine Minutes, and Precipitation)

This template is used to enter in the data for 24 hour data such as Temperature (°F), Precipitation, and sunshine minutes. For each weather condition, change the **PARAMETERNAME** to the name needed for the parameter. If the length of characters needs to be changed for the entry form, then the parameter that needs to be changed is the **maxlength="3"** parameter. When this is set to "3", then the max amount of characters that can be entered in is: "111". To keep all of the pages organized, name each page the name of the parameter by changing **NAME** to the appropriate name.

### **NAME.html** Code Template:

```
<!DOCTYPE html>
<html>
<head>
<!--Script for calendar used-->
<script type="text/javascript" src="calendarDateInput.js">

/******
* Jason's Date Input Calendar- By Jason Moon http://calendar.moonscript.com/dateinput.cfm
* Script featured on and available at http://www.dynamicdrive.com
* Keep this notice intact for use.
*****/
</script>
</head>
<body>

<!--Start of form for data entry-->

<form name="enterdata" action="NAME.php" method="POST" onsubmit="return checkform(this.form)">
<!--Date entry-->
Date: <br />
<script>DateInput('orderdate', true, 'YYYY-MM-DD', '1000-01-01')</script>
<p />

<!--Javascript function to determine if the re-entry of the data is the same.
If they are not the same, then a popup window says to reenter the data.
This does check if the user has not entered in any data at all. If the user does not enter in anything,
the data entered becomes all zeros for the data-->

<script language="JavaScript">
function checkform() {
    if(document.enterdata.orderdate.value == '1000-01-01'){
```

# Notes for Data Entry Forms

```
alert("The date needs to be changed to the correct date");
return false;
}
if (document.enterdata.PARAMETERNAME0.value != document.enterdata.PARAMETERNAME0again.value) {
    alert("Please Check NAME 00-01 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME1.value != document.enterdata.PARAMETERNAME1again.value) {
    alert("Please Check NAME 01-02 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME2.value != document.enterdata.PARAMETERNAME2again.value) {
    alert("Please Check NAME 02-03 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME3.value != document.enterdata.PARAMETERNAME3again.value) {
    alert("Please Check NAME 03-04 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME4.value != document.enterdata.PARAMETERNAME4again.value) {
    alert("Please Check NAME 04-05 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME5.value != document.enterdata.PARAMETERNAME5again.value) {
    alert("Please Check NAME 05-06 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME6.value != document.enterdata.PARAMETERNAME6again.value) {
    alert("Please Check NAME 06-07 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME7.value != document.enterdata.PARAMETERNAME7again.value) {
    alert("Please Check NAME 07-08 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME8.value != document.enterdata.PARAMETERNAME8again.value) {
    alert("Please Check NAME 08-09 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME9.value != document.enterdata.PARAMETERNAME9again.value) {
    alert("Please Check NAME 09-10 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME10.value != document.enterdata.PARAMETERNAME10again.value) {
    alert("Please Check NAME 10-11 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME11.value != document.enterdata.PARAMETERNAME11again.value) {
    alert("Please Check NAME 11-12 Again");
    return false;
}
if (document.enterdata.PARAMETERNAME12.value != document.enterdata.PARAMETERNAME12again.value) {
    alert("Please Check NAME 12-13 Again");
```

# Notes for Data Entry Forms

```
return false;
}
if (document.enterdata.PARAMETERNAME13.value != document.enterdata.PARAMETERNAME13again.value) {
alert("Please Check NAME 13-14 Again");
return false;
}
if (document.enterdata.PARAMETERNAME14.value != document.enterdata.PARAMETERNAME14again.value) {
alert("Please Check NAME 14-15 Again");
return false;
}
if (document.enterdata.PARAMETERNAME15.value != document.enterdata.PARAMETERNAME15again.value) {
alert("Please Check NAME 15-16 Again");
return false;
}
if (document.enterdata.PARAMETERNAME16.value != document.enterdata.PARAMETERNAME16again.value) {
alert("Please Check NAME 16-17 Again");
return false;
}
if (document.enterdata.PARAMETERNAME17.value != document.enterdata.PARAMETERNAME17again.value) {
alert("Please Check NAME 17-18 Again");
return false;
}
if (document.enterdata.PARAMETERNAME18.value != document.enterdata.PARAMETERNAME18again.value) {
alert("Please Check NAME 18-19 Again");
return false;
}
if (document.enterdata.PARAMETERNAME19.value != document.enterdata.PARAMETERNAME19again.value) {
alert("Please Check NAME 19-20 Again");
return false;
}
if (document.enterdata.PARAMETERNAME20.value != document.enterdata.PARAMETERNAME20again.value) {
alert("Please Check NAME 20-21 Again");
return false;
}
if (document.enterdata.PARAMETERNAME21.value != document.enterdata.PARAMETERNAME21again.value) {
alert("Please Check NAME 21-22 Again");
return false;
}
if (document.enterdata.PARAMETERNAME22.value != document.enterdata.PARAMETERNAME22again.value) {
alert("Please Check NAME 22-23 Again");
return false;
}
if (document.enterdata.PARAMETERNAME23.value != document.enterdata.PARAMETERNAME23again.value) {
alert("Please Check NAME 23-24 Again");
return false;
}
}

</script>
<!--First data entry table. This asks for the data for each hour.-->
<table border="1">
<tr>
```

# Notes for Data Entry Forms

```
<th>Time (EST)</th>
<th>NAME </th>
</tr>
<tr>
<td>00 - 01</td>
<td><input type="text" name="PARAMETERNAME0" maxlength="3" /></td>
</tr>
<tr>
<td>01 - 02</td>
<td><input type="text" name="PARAMETERNAME1" maxlength="3" /></td>
</tr>
<tr>
<td>02 - 03</td>
<td><input type="text" name="PARAMETERNAME2" maxlength="3" /></td>
</tr>
<tr>
<td>03 - 04</td>
<td><input type="text" name="PARAMETERNAME3" maxlength="3" /></td>
</tr>
<tr>
<td>04 - 05</td>
<td><input type="text" name="PARAMETERNAME4" maxlength="3" /></td>
</tr>
<tr>
<td>05 - 06</td>
<td><input type="text" name="PARAMETERNAME5" maxlength="3" /></td>
</tr>
<tr>
<td>06 - 07</td>
<td><input type="text" name="PARAMETERNAME6" maxlength="3" /></td>
</tr>
<tr>
<td>07 - 08</td>
<td><input type="text" name="PARAMETERNAME7" maxlength="3" /></td>
</tr>
<tr>
<td>08 - 09</td>
<td><input type="text" name="PARAMETERNAME8" maxlength="3" /></td>
</tr>
<tr>
<td>09 - 10</td>
<td><input type="text" name="PARAMETERNAME9" maxlength="3" /></td>
</tr>
<tr>
<td>10 - 11</td>
<td><input type="text" name="PARAMETERNAME10" maxlength="3" /></td>
</tr>
<tr>
<td>11 - 12</td>
<td><input type="text" name="PARAMETERNAME11" maxlength="3" /></td>
</tr>
<tr>
<td>12 - 13</td>
```

## Notes for Data Entry Forms

```
<td><input type="text" name="PARAMETERNAME12" maxlength="3" /></td>
</tr>
<tr>
  <td>13 - 14</td>
  <td><input type="text" name="PARAMETERNAME13" maxlength="3" /></td>
</tr>
<tr>
  <td>14 - 15</td>
  <td><input type="text" name="PARAMETERNAME14" maxlength="3" /></td>
</tr>
<tr>
  <td>15 - 16</td>
  <td><input type="text" name="PARAMETERNAME15" maxlength="3" /></td>
</tr>
<tr>
  <td>16 - 17</td>
  <td><input type="text" name="PARAMETERNAME16" maxlength="3" /></td>
</tr>
<tr>
  <td>17 - 18</td>
  <td><input type="text" name="PARAMETERNAME17" maxlength="3" /></td>
</tr>
<tr>
  <td>18 - 19</td>
  <td><input type="text" name="PARAMETERNAME18" maxlength="3" /></td>
</tr>
<tr>
  <td>19 - 20</td>
  <td><input type="text" name="PARAMETERNAME19" maxlength="3" /></td>
</tr>
<tr>
  <td>20 - 21</td>
  <td><input type="text" name="PARAMETERNAME20" maxlength="3" /></td>
</tr>
<tr>
  <td>21 - 22</td>
  <td><input type="text" name="PARAMETERNAME21" maxlength="3" /></td>
</tr>
<tr>
  <td>22 - 23</td>
  <td><input type="text" name="PARAMETERNAME22" maxlength="3" /></td>
</tr>
<tr>
  <td>23 - 24</td>
  <td><input type="text" name="PARAMETERNAME23" maxlength="3" /></td>
</tr>
</table>

<br />
<br />
<!--Second data entry table. This asks for the data again for each hour.-->

<table border="1">
```

# Notes for Data Entry Forms

```
<tr>
  <th>Time (EST)</th>
  <th>Retype NAME</th>
</tr>
<tr>
  <td>00 - 01</td>
  <td><input type="text" name="PARAMETERNAME0again" maxlength="3"/></td>
</tr>
<tr>
  <td>01 - 02</td>
  <td><input type="text" name="PARAMETERNAME1again" maxlength="3" /></td>
</tr>
<tr>
  <td>02 - 03</td>
  <td><input type="text" name="PARAMETERNAME2again" maxlength="3" /></td>
</tr>
<tr>
  <td>03 - 04</td>
  <td><input type="text" name="PARAMETERNAME3again" maxlength="3" /></td>
</tr>
<tr>
  <td>04 - 05</td>
  <td><input type="text" name="PARAMETERNAME4again" maxlength="3" /></td>
</tr>
<tr>
  <td>05 - 06</td>
  <td><input type="text" name="PARAMETERNAME5again" maxlength="3" /></td>
</tr>
<tr>
  <td>06 - 07</td>
  <td><input type="text" name="PARAMETERNAME6again" maxlength="3" /></td>
</tr>
<tr>
  <td>07 - 08</td>
  <td><input type="text" name="PARAMETERNAME7again" maxlength="3" /></td>
</tr>
<tr>
  <td>08 - 09</td>
  <td><input type="text" name="PARAMETERNAME8again" maxlength="3" /></td>
</tr>
<tr>
  <td>09 - 10</td>
  <td><input type="text" name="PARAMETERNAME9again" maxlength="3" /></td>
</tr>
<tr>
  <td>10 - 11</td>
  <td><input type="text" name="PARAMETERNAME10again" maxlength="3" /></td>
</tr>
<tr>
  <td>11 - 12</td>
  <td><input type="text" name="PARAMETERNAME11again" maxlength="3" /></td>
</tr>
<tr>
```

# Notes for Data Entry Forms

```
<td>12 - 13</td>
<td><input type="text" name="PARAMETERNAME12again" maxlength="3" /></td>
</tr>
<tr>
<td>13 - 14</td>
<td><input type="text" name="PARAMETERNAME13again" maxlength="3" /></td>
</tr>
<tr>
<td>14 - 15</td>
<td><input type="text" name="PARAMETERNAME14again" maxlength="3" /></td>
</tr>
<tr>
<td>15 - 16</td>
<td><input type="text" name="PARAMETERNAME15again" maxlength="3" /></td>
</tr>
<tr>
<td>16 - 17</td>
<td><input type="text" name="PARAMETERNAME16again" maxlength="3" /></td>
</tr>
<tr>
<td>17 - 18</td>
<td><input type="text" name="PARAMETERNAME17again" maxlength="3" /></td>
</tr>
<tr>
<td>18 - 19</td>
<td><input type="text" name="PARAMETERNAME18again" maxlength="3" /></td>
</tr>
<tr>
<td>19 - 20</td>
<td><input type="text" name="PARAMETERNAME19again" maxlength="3" /></td>
</tr>
<tr>
<td>20 - 21</td>
<td><input type="text" name="PARAMETERNAME20again" maxlength="3" /></td>
</tr>
<tr>
<td>21 - 22</td>
<td><input type="text" name="PARAMETERNAME21again" maxlength="3" /></td>
</tr>
<tr>
<td>22 - 23</td>
<td><input type="text" name="PARAMETERNAME22again" maxlength="3" /></td>
</tr>
<tr>
<td>23 - 24</td>
<td><input type="text" name="PARAMETERNAME23again" maxlength="3" /></td>
</tr>
</table>
<input type="submit" />
</form>
<!--End of data entry Form-->
</body>
</html>
```

# Notes for Data Entry Forms

## NAME.php Code Template:

```
<html>
<body>
<!--Starts the PHP code to take the data from the form and place it into the database-->
<?php
//Connects to the database. If the database does not connect, then there is an error.
$con = mysql_connect("localhost","dataentry","BHORocks1");
if (!$con)
{
    die('Could not connect: ' . mysql_error());
}
//If the database connects, then PHP will place the code into the correct table to have the data stored.
mysql_select_db("bhohourlydata", $con);
$sql="INSERT INTO NAME (date, time, NAME)
VALUES
('$ _POST[orderdate]','0','$ _POST[PARAMETERNAME0]'),
('$ _POST[orderdate]','1','$ _POST[PARAMETERNAME1]'),
('$ _POST[orderdate]','2','$ _POST[PARAMETERNAME2]'),
('$ _POST[orderdate]','3','$ _POST[PARAMETERNAME3]'),
('$ _POST[orderdate]','4','$ _POST[PARAMETERNAME4]'),
('$ _POST[orderdate]','5','$ _POST[PARAMETERNAME5]'),
('$ _POST[orderdate]','6','$ _POST[PARAMETERNAME6]'),
('$ _POST[orderdate]','7','$ _POST[PARAMETERNAME7]'),
('$ _POST[orderdate]','8','$ _POST[PARAMETERNAME8]'),
('$ _POST[orderdate]','9','$ _POST[PARAMETERNAME9]'),
('$ _POST[orderdate]','10','$ _POST[PARAMETERNAME10]'),
('$ _POST[orderdate]','11','$ _POST[PARAMETERNAME11]'),
('$ _POST[orderdate]','12','$ _POST[PARAMETERNAME12]'),
('$ _POST[orderdate]','13','$ _POST[PARAMETERNAME13]'),
('$ _POST[orderdate]','14','$ _POST[PARAMETERNAME14]'),
('$ _POST[orderdate]','15','$ _POST[PARAMETERNAME15]'),
('$ _POST[orderdate]','16','$ _POST[PARAMETERNAME16]'),
('$ _POST[orderdate]','17','$ _POST[PARAMETERNAME17]'),
('$ _POST[orderdate]','18','$ _POST[PARAMETERNAME18]'),
('$ _POST[orderdate]','19','$ _POST[PARAMETERNAME19]'),
('$ _POST[orderdate]','20','$ _POST[PARAMETERNAME20]'),
('$ _POST[orderdate]','21','$ _POST[PARAMETERNAME21]'),
('$ _POST[orderdate]','22','$ _POST[PARAMETERNAME22]'),
('$ _POST[orderdate]','23','$ _POST[PARAMETERNAME23]')";
//If there is an error with the adding of data, PHP will throw an error
if (!mysql_query($sql,$con))
{
    die('Error: ' . mysql_error());
}
//If it passes, then this message is shown
echo "Your data has been entered into the database.";
mysql_close($con);
?>
<!--End of PHP-->
</body>
</html>
```



# Notes for Data Entry Forms

## Hourly Data Recorded (Wind Speed and Direction)

For this form, the design for the tables and the data entry is different than the other hourly forms. There is an added aspect for the direction. For the direction there is a drop down menu that allows the user to pick the wind direction from a list instead of entering in the data. This form is a modification of the first form, but with the added aspect for wind direction. The two pages for this weather variable are shown below.

### Wind.html

```
<!DOCTYPE html>
<html>
<head>
<!--Script for calendar used-->
<script type="text/javascript" src="calendarDateInput.js">

/*****
* Jason's Date Input Calendar- By Jason Moon http://calendar.moonscript.com/dateinput.cfm
* Script featured on and available at http://www.dynamicdrive.com
* Keep this notice intact for use.
*****/
</script>
</head>
<body>

<!--Start of form for data entry-->
<form name = "enterdata" action="wind.php" method="POST" onSubmit="return checkform(this.form)">

<!--Date entry-->
Date: <br />
<script>DateInput('orderdate', true, 'YYYY-MM-DD', '1000-01-01')</script>
<p />

<!--Javascript function to determine if the re-entry of the data is the same.
If they are not the same, then a popup window says to reenter the data.
This does check if the user has not entered in any data at all. If the user does not enter in anything,
the data entered becomes all zeros for the data-->

<script language = "Javascript">
function checkform() {
  if(document.enterdata.orderdate.value == '1000-01-01'){
    alert("The date needs to be changed to the correct date");
    return false;
  }
  if (document.enterdata.windspeed0.value != document.enterdata.windspeed0again.value) {
    alert("Please Check Wind Speed 00-01 Again");
    return false;
  }
  if (document.enterdata.windspeed1.value != document.enterdata.windspeed1again.value) {
    alert("Please Check Wind Speed 01-02 Again");
    return false;
  }
}
```

# Notes for Data Entry Forms

```
}
if (document.enterdata.windspeed2.value != document.enterdata.windspeed2again.value) {
    alert("Please Check Wind Speed 02-03 Again");
    return false;
}
if (document.enterdata.windspeed3.value != document.enterdata.windspeed3again.value) {
    alert("Please Check Wind Speed 03-04 Again");
    return false;
}
if (document.enterdata.windspeed4.value != document.enterdata.windspeed4again.value) {
    alert("Please Check Wind Speed 04-05 Again");
    return false;
}
if (document.enterdata.windspeed5.value != document.enterdata.windspeed5again.value) {
    alert("Please Check Wind Speed 05-06 Again");
    return false;
}
if (document.enterdata.windspeed6.value != document.enterdata.windspeed6again.value) {
    alert("Please Check Wind Speed 06-07 Again");
    return false;
}
if (document.enterdata.windspeed7.value != document.enterdata.windspeed7again.value) {
    alert("Please Check Wind Speed 07-08 Again");
    return false;
}
if (document.enterdata.windspeed8.value != document.enterdata.windspeed8again.value) {
    alert("Please Check Wind Speed 08-09 Again");
    return false;
}
if (document.enterdata.windspeed9.value != document.enterdata.windspeed9again.value) {
    alert("Please Check Wind Speed 09-10 Again");
    return false;
}
if (document.enterdata.windspeed10.value != document.enterdata.windspeed10again.value) {
    alert("Please Check Wind Speed 10-11 Again");
    return false;
}
if (document.enterdata.windspeed11.value != document.enterdata.windspeed11again.value) {
    alert("Please Check Wind Speed 11-12 Again");
    return false;
}
if (document.enterdata.windspeed12.value != document.enterdata.windspeed12again.value) {
    alert("Please Check Wind Speed 12-13 Again");
    return false;
}
if (document.enterdata.windspeed13.value != document.enterdata.windspeed13again.value) {
    alert("Please Check Wind Speed 13-14 Again");
    return false;
}
if (document.enterdata.windspeed14.value != document.enterdata.windspeed14again.value) {
    alert("Please Check Wind Speed 14-15 Again");
    return false;
}
```

# Notes for Data Entry Forms

```
    if (document.enterdata.windspeed15.value != document.enterdata.windspeed15again.value) {
    alert("Please Check Wind Speed 15-16 Again");
    return false;
}
    if (document.enterdata.windspeed16.value != document.enterdata.windspeed16again.value) {
    alert("Please Check Wind Speed 16-17 Again");
    return false;
}
    if (document.enterdata.windspeed17.value != document.enterdata.windspeed17again.value) {
    alert("Please Check Wind Speed 17-18 Again");
    return false;
}
    if (document.enterdata.windspeed18.value != document.enterdata.windspeed18again.value) {
    alert("Please Check Wind Speed 18-19 Again");
    return false;
}
    if (document.enterdata.windspeed19.value != document.enterdata.windspeed19again.value) {
    alert("Please Check Wind Speed 19-20 Again");
    return false;
}
    if (document.enterdata.windspeed20.value != document.enterdata.windspeed20again.value) {
    alert("Please Check Wind Speed 20-21 Again");
    return false;
}
    if (document.enterdata.windspeed21.value != document.enterdata.windspeed21again.value) {
    alert("Please Check Wind Speed 21-22 Again");
    return false;
}
    if (document.enterdata.windspeed22.value != document.enterdata.windspeed22again.value) {
    alert("Please Check Wind Speed 22-23 Again");
    return false;
}
    if (document.enterdata.windspeed23.value != document.enterdata.windspeed23again.value) {
    alert("Please Check Wind Speed 23-24 Again");
    return false;
}

if (document.enterdata.dir0.value != document.enterdata.dir0again.value) {
    alert("Please Check Wind Direction 00-01 Again");
    return false;
}
if (document.enterdata.dir1.value != document.enterdata.dir1again.value) {
    alert("Please Check Wind Direction 01-02 Again");
    return false;
}
if (document.enterdata.dir2.value != document.enterdata.dir2again.value) {
    alert("Please Check Wind Direction 02-03 Again");
    return false;
}
if (document.enterdata.dir3.value != document.enterdata.dir3again.value) {
    alert("Please Check Wind Direction 03-04 Again");
    return false;
}
```

# Notes for Data Entry Forms

```
if (document.enterdata.dir4.value != document.enterdata.dir4again.value) {
    alert("Please Check Wind Direction 04-05 Again");
    return false;
}
if (document.enterdata.dir5.value != document.enterdata.dir5again.value) {
    alert("Please Check Wind Direction 05-06 Again");
    return false;
}
if (document.enterdata.dir6.value != document.enterdata.dir6again.value) {
    alert("Please Check Wind Direction 06-07 Again");
    return false;
}
if (document.enterdata.dir7.value != document.enterdata.dir7again.value) {
    alert("Please Check Wind Direction 07-08 Again");
    return false;
}
if (document.enterdata.dir8.value != document.enterdata.dir8again.value) {
    alert("Please Check Wind Direction 08-09 Again");
    return false;
}
if (document.enterdata.dir9.value != document.enterdata.dir9again.value) {
    alert("Please Check Wind Direction 09-10 Again");
    return false;
}
if (document.enterdata.dir10.value != document.enterdata.dir10again.value) {
    alert("Please Check Wind Direction 10-11 Again");
    return false;
}
if (document.enterdata.dir11.value != document.enterdata.dir11again.value) {
    alert("Please Check Wind Direction 11-12 Again");
    return false;
}
if (document.enterdata.dir12.value != document.enterdata.dir12again.value) {
    alert("Please Check Wind Direction 12-13 Again");
    return false;
}
if (document.enterdata.dir13.value != document.enterdata.dir13again.value) {
    alert("Please Check Wind Direction 13-14 Again");
    return false;
}
if (document.enterdata.dir14.value != document.enterdata.dir14again.value) {
    alert("Please Check Wind Direction 14-15 Again");
    return false;
}
if (document.enterdata.dir15.value != document.enterdata.dir15again.value) {
    alert("Please Check Wind Direction 15-16 Again");
    return false;
}
if (document.enterdata.dir16.value != document.enterdata.dir16again.value) {
    alert("Please Check Wind Direction 16-17 Again");
    return false;
}
if (document.enterdata.dir17.value != document.enterdata.dir17again.value) {
```

# Notes for Data Entry Forms

```
alert("Please Check Wind Direction 17-18 Again");
return false;
}
if (document.enterdata.dir18.value != document.enterdata.dir18again.value) {
alert("Please Check Wind Direction 18-19 Again");
return false;
}
if (document.enterdata.dir19.value != document.enterdata.dir19again.value) {
alert("Please Check Wind Direction 19-20 Again");
return false;
}
if (document.enterdata.dir20.value != document.enterdata.dir20again.value) {
alert("Please Check Wind Direction 20-21 Again");
return false;
}
if (document.enterdata.dir21.value != document.enterdata.dir21again.value) {
alert("Please Check Wind Direction 21-22 Again");
return false;
}
if (document.enterdata.dir22.value != document.enterdata.dir22again.value) {
alert("Please Check Wind Direction 22-23 Again");
return false;
}
if (document.enterdata.dir23.value != document.enterdata.dir23again.value) {
alert("Please Check Wind Direction 23-24 Again");
return false;
}
}
}
</script>
<!--First data entry table. This asks for the data for each hour.-->
```

```
<table border="1">
<tr>
<th>Time</th>
<th>Wind Speed</th>
<th>Wind Direction</th>
</tr>
<tr>
<td>00 - 01</td>
<td><input type="text" name="windspeed0" maxlength="3" /></td>
<td>
<select name="dir0">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>

```

# Notes for Data Entry Forms

```
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>01 - 02</td>
<td><input type="text" name="windspeed1" maxlength="3" /></td>
<td>
<select name="dir1">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>02 - 03</td>
<td><input type="text" name="windspeed2" maxlength="3" /></td>
<td>
<select name="dir2">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
</select>
</td>
</tr>
<tr>
<td>03 - 04</td>
<td><input type="text" name="windspeed3" maxlength="3" /></td>
<td>
<select name="dir3">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>04 - 05</td>
<td><input type="text" name="windspeed4" maxlength="3" /></td>
<td>
<select name="dir4">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>05 - 06</td>
```

# Notes for Data Entry Forms

```
<td><input type="text" name="windspeed5" maxlength="3" /></td>
  <td>
    <select name="dir5">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>06 - 07</td>
  <td><input type="text" name="windspeed6" maxlength="3" /></td>
    <td>
      <select name="dir6">
        <option value="N">N</option>
        <option value="NNE">NNE</option>
        <option value="NE">NE</option>
        <option value="ENE">ENE</option>
        <option value="E">E</option>
        <option value="ESE">ESE</option>
        <option value="SE">SE</option>
        <option value="SSE">SSE</option>
        <option value="S">S</option>
        <option value="SSW">SSW</option>
        <option value="SW">SW</option>
        <option value="WSW">WSW</option>
        <option value="W">W</option>
        <option value="WNW">WNW</option>
        <option value="NW">NW</option>
        <option value="NNW">NNW</option>
      </select>
    </td>
</tr>
<tr>
  <td>07 - 08</td>
  <td><input type="text" name="windspeed7" maxlength="3" /></td>
    <td>
      <select name="dir7">
        <option value="N">N</option>
        <option value="NNE">NNE</option>
      </select>
    </td>
</tr>
```



# Notes for Data Entry Forms

```
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>08 - 09</td>
<td><input type="text" name="windspeed8" maxlength="3" /></td>
<td>
<select name="dir8">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>09 - 10</td>
<td><input type="text" name="windspeed9" maxlength="3" /></td>
<td>
<select name="dir9">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>10 - 11</td>
<td><input type="text" name="windspeed10" maxlength="3" /></td>
<td>
<select name="dir10">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>11 - 12</td>
<td><input type="text" name="windspeed11" maxlength="3" /></td>
<td>
<select name="dir11">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>12 - 13</td>
<td><input type="text" name="windspeed12" maxlength="3" /></td>
<td>
<select name="dir12">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>13 - 14</td>
<td><input type="text" name="windspeed13" maxlength="3" /></td>
<td>
<select name="dir13">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
```

# Notes for Data Entry Forms

```
</td>
</tr>
<tr>
<td>14 - 15</td>
<td><input type="text" name="windspeed14" maxlength="3" /></td>
<td>
<select name="dir14">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>15 - 16</td>
<td><input type="text" name="windspeed15" maxlength="3" /></td>
<td>
<select name="dir15">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>16 - 17</td>
<td><input type="text" name="windspeed16" maxlength="3" /></td>
```

# Notes for Data Entry Forms

```
<td>
<select name ="dir16">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>17 - 18</td>
<td><input type="text" name="windspeed17" maxlength ="3" /></td>
<td>
<select name ="dir17">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>18 - 19</td>
<td><input type="text" name="windspeed18" maxlength ="3" /></td>
<td>
<select name ="dir18">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
</select>

```

# Notes for Data Entry Forms

```
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>19 - 20</td>
<td><input type="text" name="windspeed19" maxlength="3" /></td>
<td>
<select name="dir19">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>20 - 21</td>
<td><input type="text" name="windspeed20" maxlength="3" /></td>
<td>
<select name="dir20">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>21 - 22</td>
<td><input type="text" name="windspeed21" maxlength="3" /></td>
<td>
<select name="dir21">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>22 - 23</td>
<td><input type="text" name="windspeed22" maxlength="3" /></td>
<td>
<select name="dir22">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>23 - 24</td>
<td><input type="text" name="windspeed23" maxlength="3" /></td>
<td>
<select name="dir23">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
</table>

<br />
<br />

<!--Second data entry table. This asks for the data again for each hour.-->

<table border="1">
<tr>
<th>Time</th>
<th>Retype Wind Speed</th>
<th>Wind Direction</th>
</tr>
<tr>
<td>00 - 01</td>
<td><input type="text" name="windspeed0again" maxlength="3" /></td>
<td>
<select name="dir0again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>

```



# Notes for Data Entry Forms

```
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>01 - 02</td>
<td><input type="text" name="windspeed1again" maxlength="3" /></td>
<td>
<select name="dir1again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>02 - 03</td>
<td><input type="text" name="windspeed2again" maxlength="3" /></td>
<td>
<select name="dir2again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
  <td>03 - 04</td>
  <td><input type="text" name="windspeed3again" maxlength="3" /></td>
  <td>
    <select name="dir3again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>04 - 05</td>
  <td><input type="text" name="windspeed4again" maxlength="3" /></td>
  <td>
    <select name="dir4again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
    </select>
  </td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>05 - 06</td>
<td><input type="text" name="windspeed5again" maxlength="3" /></td>
<td>
<select name="dir5again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>06 - 07</td>
<td><input type="text" name="windspeed6again" maxlength="3" /></td>
<td>
<select name="dir6again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
</tr>
```

# Notes for Data Entry Forms

```
<td>07 - 08</td>
<td><input type="text" name="windspeed7again" maxlength="3" /></td>
  <td>
    <select name="dir7again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>08 - 09</td>
  <td><input type="text" name="windspeed8again" maxlength="3" /></td>
    <td>
      <select name="dir8again">
        <option value="N">N</option>
        <option value="NNE">NNE</option>
        <option value="NE">NE</option>
        <option value="ENE">ENE</option>
        <option value="E">E</option>
        <option value="ESE">ESE</option>
        <option value="SE">SE</option>
        <option value="SSE">SSE</option>
        <option value="S">S</option>
        <option value="SSW">SSW</option>
        <option value="SW">SW</option>
        <option value="WSW">WSW</option>
        <option value="W">W</option>
        <option value="WNW">WNW</option>
        <option value="NW">NW</option>
        <option value="NNW">NNW</option>
      </select>
    </td>
  </tr>
<tr>
  <td>09 - 10</td>
  <td><input type="text" name="windspeed9again" maxlength="3" /></td>
    <td>
      <select name="dir9again">
        <option value="N">N</option>
      </select>
    </td>
  </tr>
```

# Notes for Data Entry Forms

```
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
  <td>10 - 11</td>
  <td><input type="text" name="windspeed10again" maxlength="3" /></td>
  <td>
    <select name="dir10again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>11 - 12</td>
  <td><input type="text" name="windspeed11again" maxlength="3" /></td>
  <td>
    <select name="dir11again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
    </select>
  </td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>12 - 13</td>
<td><input type="text" name="windspeed12again" maxlength="3" /></td>
<td>
<select name="dir12again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>13 - 14</td>
<td><input type="text" name="windspeed13again" maxlength="3" /></td>
<td>
<select name="dir13again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>14 - 15</td>
<td><input type="text" name="windspeed14again" maxlength="3" /></td>
<td>
<select name="dir14again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>15 - 16</td>
<td><input type="text" name="windspeed15again" maxlength="3" /></td>
<td>
<select name="dir15again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
</select>
</td>
</tr>
<tr>
<td>16 - 17</td>
<td><input type="text" name="windspeed16again" maxlength="3" /></td>
<td>
<select name="dir16again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>17 - 18</td>
<td><input type="text" name="windspeed17again" maxlength="3" /></td>
<td>
<select name="dir17again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>18 - 19</td>
```



# Notes for Data Entry Forms

```
<td><input type="text" name="windspeed18again" maxlength="3" /></td>
  <td>
    <select name="dir18again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>19 - 20</td>
  <td><input type="text" name="windspeed19again" maxlength="3" /></td>
    <td>
      <select name="dir19again">
        <option value="N">N</option>
        <option value="NNE">NNE</option>
        <option value="NE">NE</option>
        <option value="ENE">ENE</option>
        <option value="E">E</option>
        <option value="ESE">ESE</option>
        <option value="SE">SE</option>
        <option value="SSE">SSE</option>
        <option value="S">S</option>
        <option value="SSW">SSW</option>
        <option value="SW">SW</option>
        <option value="WSW">WSW</option>
        <option value="W">W</option>
        <option value="WNW">WNW</option>
        <option value="NW">NW</option>
        <option value="NNW">NNW</option>
      </select>
    </td>
  </tr>
<tr>
  <td>20 - 21</td>
  <td><input type="text" name="windspeed20again" maxlength="3" /></td>
    <td>
      <select name="dir20again">
        <option value="N">N</option>
        <option value="NNE">NNE</option>
      </select>
    </td>
  </tr>
```

# Notes for Data Entry Forms

```
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
  <td>21 - 22</td>
  <td><input type="text" name="windspeed21again" maxlength="3" /></td>
  <td>
    <select name="dir21again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
      <option value="SSE">SSE</option>
      <option value="S">S</option>
      <option value="SSW">SSW</option>
      <option value="SW">SW</option>
      <option value="WSW">WSW</option>
      <option value="W">W</option>
      <option value="WNW">WNW</option>
      <option value="NW">NW</option>
      <option value="NNW">NNW</option>
    </select>
  </td>
</tr>
<tr>
  <td>22 - 23</td>
  <td><input type="text" name="windspeed22again" maxlength="3" /></td>
  <td>
    <select name="dir22again">
      <option value="N">N</option>
      <option value="NNE">NNE</option>
      <option value="NE">NE</option>
      <option value="ENE">ENE</option>
      <option value="E">E</option>
      <option value="ESE">ESE</option>
      <option value="SE">SE</option>
    </select>
  </td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
<tr>
<td>23 - 24</td>
<td><input type="text" name="windspeed23again" maxlength="3" /></td>
<td>
<select name="dir23again">
<option value="N">N</option>
<option value="NNE">NNE</option>
<option value="NE">NE</option>
<option value="ENE">ENE</option>
<option value="E">E</option>
<option value="ESE">ESE</option>
<option value="SE">SE</option>
<option value="SSE">SSE</option>
<option value="S">S</option>
<option value="SSW">SSW</option>
<option value="SW">SW</option>
<option value="WSW">WSW</option>
<option value="W">W</option>
<option value="WNW">WNW</option>
<option value="NW">NW</option>
<option value="NNW">NNW</option>
</select>
</td>
</tr>
</table>
<input type="submit" />
</form>
<!--End of data entry Form-->
</body>
</html>
```

## Wind.php

```
<html>
<body>
<!--Starts the PHP code to take the data from the form and place it into the database-->
<?php
//Connects to the database. If the database does not connect, then there is an error.

$con = mysql_connect("localhost","dataentry","BHORocks1");
```

# Notes for Data Entry Forms

```
if (!$con)
{
    die('Could not connect: ' . mysql_error());
}

//If the database connects, then PHP will place the code into the correct table to have the data stored.

mysql_select_db("bhohourlydata", $con);

$sql="INSERT INTO wind (date, time, speed, direction)
VALUES
('$_POST[orderdate]','0',$_POST[windspeed0], $_POST[dir0]),
('$_POST[orderdate]','1',$_POST[windspeed1], $_POST[dir1]),
('$_POST[orderdate]','2',$_POST[windspeed2], $_POST[dir2]),
('$_POST[orderdate]','3',$_POST[windspeed3], $_POST[dir3]),
('$_POST[orderdate]','4',$_POST[windspeed4], $_POST[dir4]),
('$_POST[orderdate]','5',$_POST[windspeed5], $_POST[dir5]),
('$_POST[orderdate]','6',$_POST[windspeed6], $_POST[dir6]),
('$_POST[orderdate]','7',$_POST[windspeed7], $_POST[dir7]),
('$_POST[orderdate]','8',$_POST[windspeed8], $_POST[dir8]),
('$_POST[orderdate]','9',$_POST[windspeed9], $_POST[dir9]),
('$_POST[orderdate]','10',$_POST[windspeed10], $_POST[dir10]),
('$_POST[orderdate]','11',$_POST[windspeed11], $_POST[dir11]),
('$_POST[orderdate]','12',$_POST[windspeed12], $_POST[dir12]),
('$_POST[orderdate]','13',$_POST[windspeed13], $_POST[dir13]),
('$_POST[orderdate]','14',$_POST[windspeed14], $_POST[dir14]),
('$_POST[orderdate]','15',$_POST[windspeed15], $_POST[dir15]),
('$_POST[orderdate]','16',$_POST[windspeed16], $_POST[dir16]),
('$_POST[orderdate]','17',$_POST[windspeed17], $_POST[dir17]),
('$_POST[orderdate]','18',$_POST[windspeed18], $_POST[dir18]),
('$_POST[orderdate]','19',$_POST[windspeed19], $_POST[dir19]),
('$_POST[orderdate]','20',$_POST[windspeed20], $_POST[dir20]),
('$_POST[orderdate]','21',$_POST[windspeed21], $_POST[dir21]),
('$_POST[orderdate]','22',$_POST[windspeed22], $_POST[dir22]),
('$_POST[orderdate]','23',$_POST[windspeed23], $_POST[dir23])";

//If there is an error with the adding of data, PHP will throw an error
if (!mysql_query($sql,$con))
{
    die('Error: ' . mysql_error());
}

//If it passes, then this message is shown
echo "Your data has been entered into the database.";

mysql_close($con);
?>
<!--End of PHP-->
<br />
<br />
<a href="../index.html">Go Back to Data Entry List</a>
</body>
</html>
```

# Notes for Data Entry Forms

## Daily Data Recorded (Lowest Visibility)

The lowest visibility is recorded currently at the Blue Hill Observatory three times each day. This form has the times that the observatory records lowest visibility. The user enters in the visibility for the three hours and then they enter in the data again to have the data checking. If the data was not recorded for any of the current times, then the user can select the option for "Not Recorded". When this option is chosen, then a value "-1" is entered into the database.

### lowestvisibility.html File

```
<!DOCTYPE html>
<html>
<head>
<!--Script for calendar used-->
<script type="text/javascript" src="calendarDateInput.js">

/******
* Jason's Date Input Calendar- By Jason Moon http://calendar.moonscript.com/dateinput.cfm
* Script featured on and available at http://www.dynamicdrive.com
* Keep this notice intact for use.
*****/

</script>
</head>
<body>
<!--Start of form for data entry-->

<form name="enterdata" action="lowestvisibility.php" method="POST" onSubmit="return checkform(this.form)">

<!--Date entry-->
Date: <br />
<script>DateInput('orderdate', true, 'YYYY-MM-DD', '1000-01-01')</script>
<p />

<!--Javascript function to determine if the re-entry of the data is the same.
If they are not the same, then a popup window says to reenter the data.
This does check if the user has not entered in any data at all. If the user does not enter in anything,
the data entered becomes all zeros for the data-->

<script language="Javascript">
function checkform() {
  if(document.enterdata.orderdate.value == '1000-01-01'){
    alert("The date needs to be changed to the correct date");
    return false;
  }
  if(document.enterdata.orderdate.value == '1000-01-01'){
    alert("The date Needs to be changed to the correct date");
    return false;
  }
  if (document.enterdata.vsb16.value != document.enterdata.vsb16again.value) {
```

# Notes for Data Entry Forms

```
    alert("Please Check Lowest Visibility 06-07 Again");
    return false;
}
if (document.enterdata.vsbl9.value != document.enterdata.vsbl9again.value) {
    alert("Please Check Lowest Visibility 09-10 Again");
    return false;
}
if (document.enterdata.vsbl12.value != document.enterdata.vsbl12again.value) {
    alert("Please Check Lowest Visibility 12-13 Again");
    return false;
}
}
</script>
<!--First data entry table. This asks for the data for each hour.-->
```

```
<table border="1">
  <tr>
    <th>Time (EST)</th>
    <th>Lowest Visibility (Miles)</th>
  </tr>
  <tr>
    <td>06 - 07</td>
    <td><input type="text" name="vsbl6" maxlength="3" /></td>
  </tr>
  <tr>
    <td>09 - 10</td>
    <td><input type="text" name="vsbl9" maxlength="3" /></td>
  </tr>
  <tr>
    <td>12 - 13</td>
    <td><input type="text" name="vsbl12" maxlength="3" /></td>
  </tr>
</table>
```

```
<br />
<br />
```

<!--Second data entry table. This asks for the data again for each hour.-->

```
<table border="1">
  <tr>
    <th>Time (EST)</th>
    <th>Retype Lowest Visibility (Miles)</th>
  <tr>
    <td>06 - 07</td>
    <td><input type="text" name="vsbl6again" maxlength="3" /></td>
  </tr>
  <tr>
    <td>09 - 10</td>
    <td><input type="text" name="vsbl9again" maxlength="3" /></td>
  </tr>
  <tr>
```

# Notes for Data Entry Forms

```
<td>12 - 13</td>
<td><input type="text" name="vsbl12again" maxlength="3" /></td>
</tr>
</table>
<input type="submit" />
</form>
<!--End of data entry Form-->
</body>
</html>
```

## lowestvisibility.php File

```
<html>
<body>
<!--Starts the PHP code to take the data from the form and place it into the database-->
<?php

//Connects to the database. If the database does not connect, then there is an error.

$con = mysql_connect("localhost","dataentry","BHORocks1");
if (!$con)
{
    die('Could not connect: ' . mysql_error());
}

//If the database connects, then PHP will place the code into the correct table to have the data stored.
mysql_select_db("bhohourlydata", $con);

$sql="INSERT INTO lowestvisibility (date, time, lowestvisibility)
VALUES
('$_POST[orderdate]','6','$_POST[vsbl6]'),
('$_POST[orderdate]','9','$_POST[vsbl9]'),
('$_POST[orderdate]','12','$_POST[vsbl12]')";

//If there is an error with the adding of data, PHP will throw an error

if (!mysql_query($sql,$con))
{
    die('Error: ' . mysql_error());
}

//If it passes, then this message is shown
echo "Your data has been entered into the database.";
mysql_close($con);
?>
<!--End of PHP-->
<br />
<br />
<a href="../index.html">Go Back to Data Entry List</a>
</body>
</html>
```

# Notes for Data Entry Forms

## Daily Data Recorded (Sky Cover Eighths)

The sky cover is recorded currently at the Blue Hill Observatory three times each day. This form has the times that the observatory records sky cover. The form for this weather variable is to choose the sky cover from a drop down menu for each hour that it was recorded. If the data was not recorded at the scheduled times, then the value entered into the database is "-1". This indicates that there was not a recorded measurement for that scheduled time.

### skycovereighths.html File

```
<!DOCTYPE html>
<html>
<head>
<!--Script for calendar used-->
<script type="text/javascript" src="calendarDateInput.js">

/*****
* Jason's Date Input Calendar- By Jason Moon http://calendar.moonscript.com/dateinput.cfm
* Script featured on and available at http://www.dynamicdrive.com
* Keep this notice intact for use.
*****/

</script>

</head>
<body>

<!--Start of form for data entry-->

<form name="enterdata" action="skycovereighths.php" method="POST" onsubmit="return
checkform(this.form)">

<!--Date entry-->
Date: <br />
<script>DateInput('orderdate', true, 'YYYY-MM-DD', '1000-01-01')</script>
<p />

<!--Javascript function to determine if the re-entry of the data is the same.
If they are not the same, then a popup window says to reenter the data.
This does check if the user has not entered in any data at all. If the user does not enter in anything,
the data entered becomes all zeros for the data-->

<script language="Javascript">
function checkform() {
  if(document.enterdata.orderdate.value == '1000-01-01'){
    alert("The date needs to be changed to the correct date");
    return false;
  }
  if (document.enterdata.sky6.value != document.enterdata.sky6again.value) {
    alert("Please Check Sky Cover 06-07 Again");
```



# Notes for Data Entry Forms

```
return false;
}
if (document.enterdata.sky9.value != document.enterdata.sky9again.value) {
alert("Please Check Sky Cover 09-10 Again");
return false;
}
if (document.enterdata.sky12.value != document.enterdata.sky12again.value) {
alert("Please Check Sky Cover 12-13 Again");
return false;
}
}
}
</script>
```

<!--First data entry table. This asks for the data for each hour.-->

```
<table border="1">
<tr>
<th>Time (EST)</th>
<th>Sky Cover (0-8)</th>
</tr>
<tr>
<td>06 - 07</td>
<td>
<select name ="sky6">
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
</select>
</td>
</tr>
<tr>
<td>09 - 10</td>
<td>
<select name ="sky9">
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
</select>
</td>
</tr>
```

# Notes for Data Entry Forms

```
<option value="8">8</option>
</select>
</td>
</tr>
<tr>
<td>12 - 13</td>
<td>
<select name ="sky12">
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
</select>
</td>
</tr>
</table>

<br />
<br />
```

<!--Second data entry table. This asks for the data again for each hour.-->

```
<table border="1">
<tr>
<th>Time (EST)</th>
<th>Retype Sky Cover (0-8)</th>
<tr>
<td>06 - 07</td>
<td>
<select name ="sky6again">
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
</select>
</td>
</tr>
<tr>
<td>09 - 10</td>
<td>
<select name ="sky9again">
```

# Notes for Data Entry Forms

```
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
</select>
</td>
</tr>
<tr>
<td>12 - 13</td>
<td>
<select name ="sky12again">
<option value="-1">Not Recorded</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
</select>
</td>
</tr>
</table>
<input type="submit" />
</form>
<!--End of data entry Form-->
</body>
</html>
```

## skycovereighths.php File

```
<html>
<body>

<!--Starts the PHP code to take the data from the form and place it into the database-->
<?php

//Connects to the database. If the database does not connect, then there is an error.

$con = mysql_connect("localhost","dataentry","BHORocks1");
if (!$con)
{
    die('Could not connect: ' . mysql_error());
}
```

# Notes for Data Entry Forms

//If the database connects, then PHP will place the code into the correct table to have the data stored.

```
mysql_select_db("bhohourlydata", $con);
```

```
$sql="INSERT INTO skycovereighths (date, time, skycovereighths)
VALUES
('$_POST[orderdate]', '6', $_POST[sky6]),
('$_POST[orderdate]', '9', $_POST[sky9]),
('$_POST[orderdate]', '12', $_POST[sky12])";
```

//If there is an error with the adding of data, PHP will throw an error

```
if (!mysql_query($sql,$con))
{
    die('Error: ' . mysql_error());
}
```

//If it passes, then this message is shown

```
echo "Your data has been entered into the database.";
```

```
mysql_close($con);
```

```
?>
```

```
<!--End of PHP-->
```

```
<br />
```

```
<br />
```

```
<a href="../index.html">Go Back to Data Entry List</a>
```

```
</body>
```

```
</html>
```

# Notes for Data Entry Forms

## Daily Data Recorded (Relative Humidity)

The relative humidity is currently recorded five times a day currently at the observatory. This form has the scheduled times for the observations. If there is not a recorded time for the relative humidity, then the user entering in the data needs to enter in "-1". The reason for this is to help analyze the data and to make sure that when the data is analyzed correctly. The user has a textbox to enter in the data.

### relativehumidity.html File

```
<!DOCTYPE html>
<html>
<head>
<!--Script for calendar used-->
<script type="text/javascript" src="calendarDateInput.js">

/******
* Jason's Date Input Calendar- By Jason Moon http://calendar.moonscript.com/dateinput.cfm
* Script featured on and available at http://www.dynamicdrive.com
* Keep this notice intact for use.
*****/

</script>

</head>
<body>

<!--Start of form for data entry-->

<form name="enterdata" action="relativehumidity.php" method="POST" onsubmit="return
checkform(this.form)">

<!--Date entry-->
Date: <br />
<script>DateInput('orderdate', true, 'YYYY-MM-DD', '1000-01-01')</script>
<p />

<!--Javascript function to determine if the re-entry of the data is the same.
If they are not the same, then a popup window says to reenter the data.
This does check if the user has not entered in any data at all. If the user does not enter in anything,
the data entered becomes all zeros for the data-->

<script language="Javascript">
function checkform() {
  if(document.enterdata.orderdate.value == '1000-01-01'){
    alert("The date needs to be changed to the correct date");
    return false;
  }
  if (document.enterdata.humid0.value != document.enterdata.humid0again.value) {
    alert("Please Check Relative Humidity 00-01 Again");
    return false;
  }
}
```

# Notes for Data Entry Forms

```
}
  if (document.enterdata.humid6.value != document.enterdata.humid6again.value) {
    alert("Please Check Relative Humidity 06-07 Again");
    return false;
  }
  if (document.enterdata.humid9.value != document.enterdata.humid9again.value) {
    alert("Please Check Relative Humidity 09-10 Again");
    return false;
  }
  if (document.enterdata.humid12.value != document.enterdata.humid12again.value) {
    alert("Please Check Relative Humidity 12-13 Again");
    return false;
  }
  if (document.enterdata.humid18.value != document.enterdata.humid18again.value) {
    alert("Please Check Relative Humidity 18-19 Again");
    return false;
  }
}

</script>
```

<!--First data entry table. This asks for the data for each hour.-->

```
<table border="1">
  <tr>
    <th>Time (EST)</th>
    <th>Relative Humidity</th>
  </tr>
  <tr>
    <td>00 - 01</td>
    <td><input type="text" name="humid0" maxlength="3" /></td>
  </tr>
  <tr>
    <td>06 - 07</td>
    <td><input type="text" name="humid6" maxlength="3" /></td>
  </tr>
  <tr>
    <td>09 - 10</td>
    <td><input type="text" name="humid9" maxlength="3" /></td>
  </tr>
  <tr>
    <td>12 - 13</td>
    <td><input type="text" name="humid12" maxlength="3" /></td>
  </tr>
  <tr>
    <td>18 - 19</td>
    <td><input type="text" name="humid18" maxlength="3" /></td>
  </tr>
</table>

<br />
```

# Notes for Data Entry Forms

```
<br />
```

```
<!--Second data entry table. This asks for the data again for each hour.-->
```

```
<table border="1">
  <tr>
    <th>Time (EST)</th>
    <th>Retype Relative Humidity</th>
  <tr>
    <td>00 - 01</td>
    <td><input type="text" name="humid0again" maxlength="3" /></td>
  </tr>
  <tr>
    <td>06 - 07</td>
    <td><input type="text" name="humid6again" maxlength="3" /></td>
  </tr>
  <tr>
    <td>09 - 10</td>
    <td><input type="text" name="humid9again" maxlength="3" /></td>
  </tr>
  <tr>
    <td>12 - 13</td>
    <td><input type="text" name="humid12again" maxlength="3" /></td>
  </tr>
  <tr>
    <td>18 - 19</td>
    <td><input type="text" name="humid18again" maxlength="3" /></td>
  </tr>
</table>
<input type="submit" />
</form>
<!--End of data entry Form-->
</body>
</html>
```

## relativehumidity.php File

```
<html>
<body>

<!--Starts the PHP code to take the data from the form and place it into the database-->

<?php

//Connects to the database. If the database does not connect, then there is an error.

$con = mysql_connect("localhost","dataentry","BHORocks1");
if (!$con)
{
  die('Could not connect: ' . mysql_error());
}
```

# Notes for Data Entry Forms

//If the database connects, then PHP will place the code into the correct table to have the data stored.

```
mysql_select_db("bhohourlydata", $con);
```

```
$sql="INSERT INTO relativehumidity (date, time, relativehumidity)
VALUES
('$_POST[orderdate]','0',$_POST[humid0]),
('$_POST[orderdate]','6',$_POST[humid6]),
('$_POST[orderdate]','9',$_POST[humid9]),
('$_POST[orderdate]','12',$_POST[humid12]),
('$_POST[orderdate]','18',$_POST[humid18])";
```

//If there is an error with the adding of data, PHP will throw an error

```
if (!mysql_query($sql,$con))
{
    die('Error: ' . mysql_error());
}
```

//If it passes, then this message is shown

```
echo "Your data has been entered into the database.";
```

```
mysql_close($con);
```

```
?>
```

```
<!--End of PHP-->
```

```
<br />
```

```
<br />
```

```
<a href="../index.html">Go Back to Data Entry List</a>
```

```
</body>
```

```
</html>
```



# Notes for Data Entry Forms

## Index Page

This page is the home page users will access to enter in data into the database. This page has an assortment of links to the different pages described in this document. If a new page is added for the data entry forms, then the template below will show how to enter in the new link on the homepage.

### Template:

```
<br />
<a href ="hourlyobservations/PAGENAME.html">Name of Parameter</a>
```

### index.html Page

```
<!DOCTYPE html>
<html>
<head>
<h2>
B16 Entry Data:
</h2>
<hr />
<a href ="hourlyobservations/temperature.html">Hourly Temperature Entry Form</a>
<br />
<a href ="hourlyobservations/precipitation.html">Hourly Precipitation Entry Form</a>
<br />
<a href ="hourlyobservations/sunshine.html">Hourly Sunshine Minutes Entry Form</a>
<br />
<a href ="hourlyobservations/wind.html">Hourly Wind Speed and Direction Entry Form</a>
<br />
<a href ="hourlyobservations/skycovereighths.html">Daily Sky Cover Entry Form</a>
<br />
<a href ="hourlyobservations/lowestvisibility.html">Daily Lowest Visibility Entry Form</a>
<br />
<a href ="hourlyobservations/relativehumidity.html">Daily Relative Humidity Entry Form</a>

</head>
<body>

</body>
</html>
```