

## Installation instructions (Version E.00)

### IMPORTANT

These modifications require

Version **7.10.100** (or higher) of AAG\_CloudWatcher  
&  
Version **2.30.100** (or higher) of AAG\_WeatherCenter.

1. Configure the weather server of ACP Observatory Control Software to use AAG\_CloudWatcher.
  - Please refer to the help of AAG\_CloudWatcher section **Working with other programs** subsection **Using with ACP**.
2. Copy files
  - **aAAG\_WeatherControl0.asp**
  - **aAAG\_WeatherControl1.asp**
  - **asystemstatus.asp**
  - **aweather.asp**

to sub directory

- **ACP Web Data\Doc Root\ac** located in **c:\ Documents and Settings\All Users\Documents\** for ACP 6.0 under Windows XP;  
or
- **ACP Web Data\Doc Root\ac** located in **Libraries\Documents\Public Documents\** for ACP 6.0 under Windows 7;

**It is strongly advisable to make a copy of the existing files before copying the modified files.**

Notes:

- (i) File **asystemstatus.asp** has been modified to allow the description of the weather to be consistent with the descriptions defined in AAG\_CloudWatcher / AAG\_WeatherCenter;
- (ii) File **aweather.asp** has been modified to have its link pointing to AAG\_WeatherControl;

**These modifications were done on the original files from version 6.0 of ACP**

3. Go to authoring mode in the ACP browser and create a new tiddler and name it

**AAG\_WeatherControl**

with the following content

**<<RemoteContent '/ac/aAAG\_WeatherControl0.asp'>>**

and define tags as

**Control UserContent**

4. Save tiddler by clicking on **done** and then **save to web**
5. The next three images highlight this procedure.

Windows Internet Explorer browser window showing the "New Tiddler" interface. The browser title is "<%= Prefs.SiteName %> - Welcome <%= User.Name %>". The address bar shows "http://192.168.1.68/author.html".

The main content area is titled "New Tiddler" and contains a text input field with the text "AAG\_WeatherControl" and a code editor area containing the text:

```
RemoteContent '/ac/aAAG_WeatherControl0.asp' >>
```

Below the code editor is a label "Control UserContent" and a text area with the placeholder text "Type tags separated with spaces, [[use double square brackets for existing tags]]".

On the right side, there is a sidebar with a search bar, a "new tiddler" button, and a "Create a new tiddler" button. Below these is a "Timeline" section with a list of entries:

- 9 April 2010 UploadLog
- 8 April 2010 AAG\_WeatherControl Weather
- 1 April 2010 Antonio Peres Gomes DC3.Ajax
- 31 March 2010 SiteName
- 28 March 2010 DC3.Lib
- Authoring System

Two red arrows point from the "Fill in information" box to the "AAG\_WeatherControl" text and the "RemoteContent" code. Another red arrow points from the "Create new tiddler" box to the "new tiddler" button in the sidebar.

Fill in information

Create new tiddler

Windows Internet Explorer browser window showing a web page titled "New Tiddler". The address bar displays "http://192.168.1.68/author.html". The page content includes a text area with the following code:

```
AAG_WeatherControl
<<RemoteContent '/ac/aAAG_WeatherControl10.asp' >>
```

Below the text area, the label "Control UserContent" is visible. A red box highlights the text "Save tiddler" with an arrow pointing to the "done" button in the top right corner of the editor. A tooltip above the "done" button reads "Save changes to this tiddler".

The left sidebar contains navigation links: Authoring, Observing, My Documents, Shared Files, Downloads, Observatory Info, and Help Resources. The right sidebar shows a search bar, a "Test Live" button, and a timeline of recent events including "UploadLog" and "AAG\_WeatherControl Weather".

<%= Prefs.SiteName %> - Welcome <%= User.Name %> - Windows Internet Explorer

File Edit View Favorites Tools Help

http://localhost/author.html

search

Author Name: AAG

Username: AAG

Password:

Save to web

NB: Before saving to web define Author, Username and Password under options

Options:

- RegExp Search
- Case Sensitive Search
- Enable Animations

## Modifications to the System Status tiddler

The modifications are shown below and they were done in file *asystemstatus.asp* of the sub directory of **ACP v6.0**.

The modifications were performed in function **getWeatherStatus**. The text in **red** represents the text that was introduced, the text in **blue** is the original text and the text in **green** is the original text that was cancelled.

```
function getWeatherStatus()
{
  if(!Weather.Available)
    return "@inn/a";

  try {
    if(Weather.Precipitation)
      return("@wnRain");           // Rain is always unsafe

  } catch(ex) { }

  //----- AAG modification new code
  var C;
  try {
    C = new ActiveXObject("AAG_ACPWeatherFeed.Weather");
  } catch(ex) {
    C = null;

    Response.Write("AAG_ACPWeatherFeed is not available.\n\n");
    Response.End();

  }
  // We have AAG_CloudWatcher and it's connected
  var ret = "";
  try {
    ret = C.WeatherDescription()
  } catch(ex) {
    ret="Error - Incorrect version";
  }

  //----- AAG modification cancelled code
  //
  //   var clouds = null;           // [sentinel]
  //   var wind = null;           // [sentinel]
}
```

```

// try {
//     clouds = Weather.Clouds;
// } catch(ex) { }
// try {
//     wind = Weather.WindVelocity;
// } catch(ex) { }
//
// var ret = "";
// if(clouds !== null) {
//     if(clouds < 0.2)
//         ret += "Clear";
//     else
//         ret += "Clouds";
// }
// if(clouds !== null && wind !== null)
//     ret += " ";
// if(wind !== null) {
//     if(wind < 8.0)
//         ret += "Calm";
//     else
//         ret += "Wind";
// }
//----- AAG modification END
if(Weather.Safe) {
    if(ret === "") ret = "OK";
    ret = "@an" + ret;
} else {
    if(ret === "") ret = "Unsafe";
    ret = "@wn" + ret;
}

return ret;
}

```

Note that // at begin of the line turns the line into a remark.

So the block of instructions starting at line

```
//      var clouds = null;    // [sentinel]  
//.....
```

and up to

```
//-----AAG modification END
```

is fully remarked and consequently the respective instructions are disregarded.

These modifications ensure that the weather description displayed in System Status tiddler of ACP Browser is consistent with the information from AAG\_WeatherCenter / AAG\_CloudWatcher.

## Modifications to the Weather tiddler

The modifications are shown below and they are done in file *aweather.asp* of the sub directory of **ACP v6.0**.

The text in **red** represents the text that was introduced and the text in **green** is the original text that was cancelled.

```
// -----AAG modifications BEGIN
//      Response.Write("The items and values shown are those supported by the @@" + Weather.Name + "@@ sensor. " +
//                      "If you have a Boltwood Cloud Sensor II, see the [[CloudSensor II]] item for more info.\n");

//      Response.Write("<html><p>The items and values shown are supplied by the " + Weather.Name + " weather server for
//      AAG_CloudWatcher.</p></html>" + "Also see [[AAG_WeatherControl]] for more info.\n");
// -----AAG modifications END
```

**Contents of ACP Web Data\Doc Root\ac directory**  
for  
**ACP 6.0 under Windows XP**

