# **Citizens Weather Observing Program (CWOP)** Configuration for **Davis Weather Link (PC)** Users

(Last updated: 10 July 2012)

- 1.) Gather Station Location Data
- You will need your Latitude and Longitude in degrees/minutes/seconds format, and Elevation in metres.
- See the How-To "Signing up for CWOP" for methods to obtain your station location data: www.weather.gov/media/epz/mesonet/CWOP-SignUp.pdf

2.) Get a CWOP Station ID:

With any web browser, fill out the form at:

http://www.findu.com/citizenweather/cw\_form.html

The CWOP website is a little "old-fashioned" and unpolished, and it contains far more information than the average user needs. Don't worry about the parts of the form mentioning "Packet Checking" and "MADIS tech support."

CITIZEN WE	EATHER PROGRAM REGISTRATION FORM
To obtain a DW number fill ir	n the form below. You will receive an e-mail reply with your assigned number (similar to "DW1234").
If you have questions, please	contact your software provider, or send email to Randy at NOAA. Several different ways to check your data packets are at Packet Checking.
If you also send your weather	r data to another internet site, please contact MADIS technical support so they will be aware of the possibility of duplicate data.
Thank you for participating in	the Citizen Weather Program!
First name	John
Last name	Doe
email	johndoe@anonymous.net
Nearby town	Hurricane
State (country if outside US)	WV
Zip Code (if US)	25526
Elevation	215 (meters above sea level)
	Send my DW number!

- Make sure you use a valid email address (don't worry no SPAM).
- If you are a business or agency, you may wish to use its name in place of "First Name" and "Last Name." Otherwise, use whoever will be the primary contact.

• If you need help with any of these steps, or finding your location or elevation, send an email to: <u>cwop-support@noaa.gov</u>.

### 2.) Send the form, then make note of your CWOP Station ID:

#### Your Citizen's Weather Account Number is: DWxxxx

An email will be sent to John Doe (johndoe@anonymous.net) confirming this number.

- 3.) Configure Weather Link Internet Settings:
  - This assumes you've already setup your Weather Link software to work with your weather station.
  - Click on the Setup Menu, then select Internet Settings.
  - In the Internet Settings dialog box, in the Data Upload Summary section, click the Configure Button associated with an unused profile.
  - You may already have some profiles in use for uploads to other sites such as the Weather Underground, or a custom personal web page.

Weathe	rLink 6.0.0 07/08/12 11:38p: Santa	Teresa Test	
ile Setu	p Reports Window Help		
<b>&gt;</b>	Walkthrough	Ctrl+K	
<u> </u>	Station Config	Ctrl+C	
	Communications Port	Ctrl+I	
	Set Transceiver		
	Set Password		
	Select Units	Ctrl+U	
	Set Time & Date	Ctrl+T	
	Set Archive Interval		
	Set Barometer		
	Set Rain Calibration		
	Set Temp & Hum Calibration		
	Set Extra Temp Calibration		
	Set Extra Hum Calibration		
	Set Yearly Rain		
	Set Latitude/Longitude		
	Set Wind		
	Set Skin Type Scale Factor		
	Set Alarms	Ctrl+A	
	Set Extra Temp & Hum Alarms		
	Clear		
	Auto Clear		
	Auto Download	Ctrl+J	
$\rightarrow$	Internet Settings	Ctrl+E	
	WeatherLink Network		
	Network Upload (on if checked)	F12	

Internet Settings								X
<ul> <li>Internet Connection Summ</li> </ul>	nary							
Internet Transfer Enabled:	On	Internet logon:			FTP host	:		
Local Transfer Enabled:	Off	Connection Type:	Connect th	nrough LAN.	FTP logon:			
FTP Path: \					Proxy Serve	r Use Defaul	t Proxy Server	
Local Path:						Internet Conr	nection Settings	
Data Upload Summary	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile 8
Offset Time:	12:03a							
Upload Frequency	5 min.							
Automatically download before Internet upload	No							
Number of Template Files to transfer	0	0	0	0	0	0	0	0
Number of Reports to transfer	1	0	0	0	0	0	0	0
Number of Current Data Images to transfer	0	0	0	0	0	0	0	0
Number of Historical Data Images to transfer	0	0	0	0	0	0	0	0
C	Configure	Configure	Configure	Configure	Configure	Configure	Configure	Configure
	OK		C	ancel		Help		

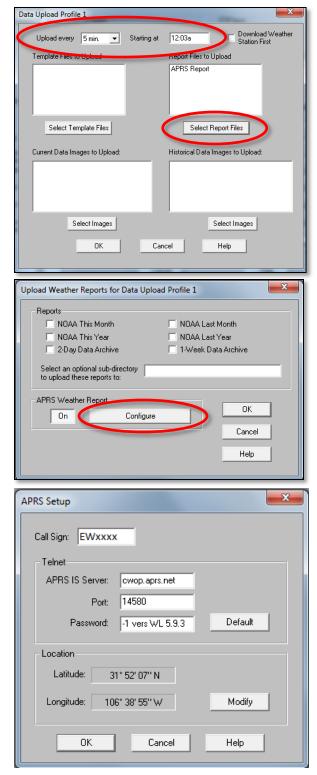
• In the **Data Upload Profile** window, set the Upload Frequency to **5 min** and the **Starting At** time to any time. (It is suggested you pick an off-minute like :03 or :07 rather than a round :05).

• Next, click the Select Report Files button.

 On the Upload Weather Reports for Data Upload Profile window, click on the Configure button in the APRS Weather Report section.

- On the APRS Setup Window, enter your
   CWOP Station ID under the Call Sign section.
   Leave the Telnet section set to the default.
- Click the **Modify** button in the **Location** section.
- If you have your station location in Decimal Degrees, you'll need to convert it to Degrees/Minutes/Seconds.
- You can quickly convert your location coordinates using this web site:

http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html/



• On the conversion webpage, enter your decimal Latitude and Longitude in the pink box, then click **Convert.** 

- Make note of the results, ignoring the decimal seconds.
- So in this example, make note of 31° 52′ 08" and -106° 38' 56".

<ul> <li>Back in the Set Latitutude &amp; Longitude</li> </ul>
window, enter your converted coordinates.
Leave out the "-" sign in the longitude. Select
"North" for Latitude, and "West" for
Longitude, assuming you're in North America.
Click <b>OK</b> .

- Then Click **OK** in the **APRS Setup** window.
- Then in the **Upload Weather Reports** window, in the **APRS Weather Report** section, click on the **On** button. Then click **OK.**
- Back in the **Data Upload Profile** window, click on **OK**.
- Back in the Internet Settings window, click the button next to Internet Transfer Enabled so it reads, "On".
- Next, click on the **Internet Connection Settings** button.

Decimal Degrees to Degrees Minutes Seconds	
Enter Decimal Latitude:	31.869
Enter Decimal Longitude:	-106.649
Convert to Degrees Minutes Seconds	Clear Values
Results: Latitude: 31° 52' 8.3994" Longitude	e: <mark>-106° 38' 56.4"</mark>

Set Latitude & Longitude		×
Latitude Deg 52 Min 7	Sec 💿 North	C South
Longitude 106 Deg 38 Min 55	Sec C East	• West
OK Canc	el Help	

Upload Weather Reports for Data Upload Profile 1
Reports
NOAA This Month NOAA Last Month
🗖 NOAA This Year 👘 NOAA Last Year
🗌 2-Day Data Archive 📄 1-Week Data Archive
Select an optional sub-directory to upload these reports to:
APRS Weather Report
Cancel
Help

Internet Transfer Enabled:	On	Internet logon:			FTP host:			
Local Transfer Enabled:	Off	Connection Type:	Connect t	hrough LAN.	FTP logon:			
FTP Path:					Proxy Server	Use Defau	lt Proxy Server	
Local Path:						Internet Con	nection Settings	
– Data Upload Summary –	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile :
Offset Time:	12:03a							
Upload Frequency	5 min.							
Automatically download before Internet upload	No							
Number of Template Files to transfer	0	0	0	0	0	0	0	0
Number of Reports to transfer	1	0	0	0	0	0	0	0
Number of Current Data Images to transfer	0	0	0	0	0	0	0	0
Number of Historical Data Images to transfer	0	0	0	0	0	0	0	0
	Configure	Configure	Configure	Configure	Configure	Configure	Configure	Configu
	ок (			Cancel		Help	1	

• In the Internet Connection Settings window, click on the Internet Transfer Enabled checkbox in the bottom-left corner, then click OK.

• Finally, back in the **Internet Settings** window, click on "**OK**."

4.) (	Check	for	Data:
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- Browse to the following web address, using your CWOP Station ID at the end: <u>http://www.findu.com/cgi-bin/wx.cgi?call=YOUR\_CWOP\_ID\_HERE</u>
- For example, if your Station ID was CW0958, you would enter: <u>http://www.findu.com/cgi-bin/wx.cgi?call=CW0958</u>

**Note:** It may take up to 10 minutes for data to start appearing. **Also Note:** The date/time stamp used on the above site is in the form YYYYMMDDhhmmss in UTC time. For example "20120402145210" means April 2, 2012 at 14:52 UTC (+10 sec).

## 5.) Let us know you're online!

• You should receive an email from CWOP asking you to check your station location and make sure your data is flowing.

Internet Conr     Connect     Connect     Connect	through a lo	ical server ialup Connecti	on	Host :				
Select a Dia	alup Connec	tion	_	Port: 21			Use Passive	e Mode
				assword :				
User Name :			_	ote Path : 🔨				
Password :			- Provi	, Settings				
<ul> <li>Stay Co</li> <li>Only Co</li> </ul>				Direct	C Pro	xy (	Pre-configure Auto-	
Number of it attempt to p		5 ÷	Proxy	Server:				
Seconds to connection		er <u>5</u>						
Internet	Transfer En	abled					D	rowse
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		OK		Cancel		Help		
Settings	-	_	_		-		_	
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met Connection Summ net Transfer Enabled: al Transfer Enabled: al Path: al Upload Summary	On         I           Off         I           12:03a         5 min.           No         0           1         0           0         0	Connection           Type:           Profile 2              0           0           0           0           0           0           0	Profile 3  0 0 0 0 0 0 0 0 0 0 0 0 0	Profile 4	Profile 5	Profile 6	Profile 7  0 0 0 0	Profile 0 0 0 0

# 6.) MesoWest/MADIS Updates:

• These two data aggregators usually update their station tables on a weekly basis (usually Wednesdays). After several days, data from your station should begin showing up on plots at MesoWest:

http://mesowest.utah.edu/cgi-bin/droman/mesomap.cgi?state=NM&rawsflag=3