

File Edit View Favorites Tools Help

Back Forward Refresh Search Folders

Address C:\WeatherLink\AgriTech

2004-07.wlk WLK File 134 KB	2004-08.wlk WLK File 134 KB	2004-09.wlk WLK File 130 KB
2004-10.wlk WLK File 134 KB	2004-11.wlk WLK File 130 KB	2004-12.wlk WLK File 134 KB
2005-01.wlk WLK File 134 KB	2005-02.wlk WLK File 47 KB	BrightSunshineHours Text Document 1 KB
DataLists DAT File	DataSets DAT File 7 KB	download08 Text Document 89 KB
edData Document	Internet.cfg CFG File 4 KB	jan05 Text Document 524 KB
etHours Document	NOAAMO Text Document 4 KB	NOAAYR Text Document 1 KB
ocument	Profile1.lst LST File 1 KB	rain Data Base File 1 KB
ON.CFG e	TempHumHours Text Document 1 KB	AgriTechGarden2005 Text Document 288 KB
teList Document	UploadList Text Document 0 KB	original2005 Text Document 329 KB

Andy

- Internet Explorer
- Outlook Express
- MORPH 4
- Notepad
- WeatherLink 5.5.1
- MSN
- Windows Media Player
- Windows Messenger
- Windows Movie Maker
- Morph 4
  - Models Help
  - MORPH 4**
  - MORPH 4 Help
- WeatherLink 5.5.1
- Debugmode
- Microsoft Office

Log Off Turn Off Computer

Run MORPH from the start menu.

The screenshot shows a Windows XP desktop with a blue sky and green hills background. In the top-left corner, there is a 'WeatherLink 5.5.1' icon. The main area contains two windows: 'AgriTech' and 'MORPH'. The 'AgriTech' window is a file explorer showing the contents of the 'C:\WeatherLink\AgriTech' folder. The 'MORPH' window is an application with a menu bar (File, Models, Weather, Run, Reports, Scenarios, Help) and a toolbar. The 'File' menu is open, showing options like 'New', 'Open...', 'Save', 'Setup', 'Database...', 'Schedule...', 'WindowBar', and 'Exit'. The 'Setup' option is highlighted, and its sub-menu is open, showing 'Models...', 'Farms...', 'Fields...', 'Met Data Archives...', and 'Data Sources...'. A yellow callout box with a white arrow points to the 'Met Data Archives...' option. The callout box contains the following text: 'We will need to add a met data archive within MORPH to transfer the weather data from the WeatherLink weather station into MORPH. Select 'File' -> 'Setup' -> 'Met Data Archives...' from the MORPH menu.' The 'AgriTech' window displays a list of files and folders, including 'DataLists', 'exportedData', 'LeafWetHours', 'print', 'STATION.CFG', 'TemplateList', 'DataSets', 'Internet.cfg', 'NOAAMO', 'Profile1.lst', 'TempHumHours', 'UploadList', '2004-11.wlk', '2004-12.wlk', and 'original2005'. The taskbar at the bottom shows the 'start' button, 'AgriTech' folder icon, 'MORPH' application icon, and the system tray with the time '16:30'.

We will need to add a met data archive within MORPH to transfer the weather data from the WeatherLink weather station into MORPH.  
Select 'File' -> 'Setup' -> 'Met Data Archives...' from the MORPH menu.



Recycle Bin

AgriTech MORPH

File Edit View Favorites Tools Help

File Models Weather Run Reports Scenarios Help

Exit [Navigation Icons]

Address C:\WeatherLink\AgriTech

Farm: Field: Archive: Model:

WLK File 134 KB WLK File 134 KB WLK File 130 KB

2004-10.wlk WLK File 134 KB

2005-01.wlk WLK File 134 KB

DataLists DAT File 1 KB

exportedData Text Document 323 KB

STATION.CFG CFG File 4 KB

TemplateList Text Document 1 KB

UploadList Text Document 0 KB

original2005 Text Document 329 KB

shineHours document

ument

ument

ument

ument

e File

Garden2005 document

Recycle Bin

start AgriTech MORPH 16:30

### Setup Met Data Archives

To associate an archive with a datasource:-  
Select the archive from the 'Met Data Archive' list box  
Select the data source from the 'Data Source' combo box


Met Data Archive:	Data Source:
Gerry	ASCII Files
Jerry97	
Kirton 98	
Lincs 94	
Vale 95	
Wellesbourne 98	

New Delete

Rename

OK Cancel Help

To create a new met data archive click on the 'New' button.



AgriTech MORPH

File Edit View Favorites Tools Help

File Models Weather Run Reports Scenarios Help

Exit [Navigation icons]

Address C:\WeatherLink\AgriTech

Farm: Field: Archive: Model:

2004-10.wlk 2005-01.wlk DataLists

Setup Met Data Archives

To associate an archive with a datasource:-  
Select the archive from the 'Met Data Archive' list box  
Select the data source from the 'Data Source' combo box

Met Data Archive: Data Source:

Add Archive

Archive name: AgriTechGarden2005

OK Cancel Help

UploadList original2005

Enter the name of the met data archive. In this example we have called ours 'AgriTechGarden2005'.  
Then click on the OK button.

The screenshot shows the AgriTech software interface. The MORPH window is open, displaying a file browser view of the C:\WeatherLink\AgriTech directory. The 'Setup Met Data Archives' dialog box is in the foreground, allowing users to associate an archive with a data source. The 'Met Data Archive' list includes 'Gerry', 'Jerry97', 'Kirton 98', 'Lincs 94', 'Vale 95', 'Wellesbourne 98', and 'AgriTechGarden2005'. The 'Data Source' dropdown menu is set to 'ASCII Files'. A yellow callout box points to the dropdown menu with the instruction: 'Make sure that 'ASCII Files' in the Data Source drop down box is selected once you have selected your new Met Data Archive from the list.'

The new met data archive will now be in the list (at the bottom). Make sure that this new met data archive is selected by clicking on it (it will be highlighted blue once selected). Then click on the 'Data Source' drop down box and make sure that 'ASCII Files' is selected. Then click on the 'OK' button.

Make sure that 'ASCII Files' in the Data Source drop down box is selected once you have selected your new Met Data Archive from the list.

**AgriTech**

File Edit View Favorites Tools Help

Back Search

Address C:\WeatherLink\AgriTech

**MORPH**

File Models Weather Run Reports Scenarios Help

Exit Transfer Transfer As... Merge ASCII Data... View

Farm:

WLK File 134 KB	WLK File 134 KB	WLK File 134 KB
2004-10.wlk WLK File 134 KB	2004-11.wlk WLK File 130 KB	2004-12.wlk WLK File 134 KB
2005-01.wlk WLK File 134 KB	2005-02.wlk WLK File 47 KB	BrightSunshineHours Text Document 1 KB
DataLists DAT File 1 KB	DataSets DAT File 7 KB	download08 Text Document 89 KB
exportedData Text Document 323 KB	Internet.cfg CFG File 4 KB	jan05 Text Document 524 KB
LeafWetHours Text Document 0 KB	NOAAMO Text Document 4 KB	NOAAYR Text Document 1 KB
print Text Document 1 KB	Profile1.lst LST File 1 KB	rain Data Base File 1 KB
STATION.CFG CFG File 4 KB	TempHumHours Text Document 1 KB	AgriTechGarden2005 Text Document 288 KB
TemplateList Text Document 1 KB	UploadList Text Document 0 KB	original2005 Text Document 329 KB

In order to get the weather data into the new met data archive we need to transfer it.  
So select 'Weather'-'>'Transfer'

AgriTech

MORPH

File Models Weather Run Reports Scenarios Help

Exit [Navigation Icons]

Address: C:\WeatherLink\AgriTech

Farm: Field: Archive: Model:

2004-10.wlk (134 KB), 2004-11.wlk (130 KB), 2004-12.wlk (134 KB), 2005-01.wlk (134 KB)

DataLists (1 KB), exportedData (323 KB), LeafWetHours (0 KB), print (1 KB), STATION.CFG (4 KB), TemplateList (1 KB)

TempHumHours (1 KB), UploadList (0 KB), AgriTechGarden2005 (288 KB), original2005 (329 KB)

Select Met Data Archive

Met Data Archive: AgriTechGarden2005, Gerry, Jerry97, Kirton 98, Lincs 94, Vale 95, Wellesbourne 98

Data Source: ASCII Files

OK Cancel

Select the correct met data archive from the list.  
In our example it is called 'AgriTechGarden2005'.

**AgriTech**  
File Edit View Favorites Tools Help

Back Search

Address C:\WeatherLink\AgriTech

**File and Folder Tasks**

- Make a new folder
- Publish this folder to the Web
- Share this folder

**Other Places**

- WeatherLink
- My Documents
- Shared Documents
- My Computer
- My Network Places

**Details**

**MORPH**  
File Models Weather Run Reports Scenarios Help

**Transfer**

Look in: AgriTech

- AgriTech
- Backup
- CROP
- DataNote
- DegDays
- Fuel
- Images
- Plots
- Templates
- AgriTechGarden2005
- BrightSunshineHours
- downld08
- exportedData
- jan05
- LeafWetHours
- NOAAMO
- NOAAYR
- original2005
- print
- TempHumHours
- TemplateList
- UploadList

File name:

Files of type: ASCII (\*.TXT)

Open Cancel

STATION.CFG  
CFG File  
4 KB

TempHumHours  
Text Document  
1 KB

AgriTechGarden2005  
Text Document  
288 KB

TemplateList  
Text Document  
1 KB

UploadList  
Text Document  
0 KB

original2005  
Text Document  
329 KB

You will be prompted to select a file. This is the file that you have exported from the WeatherLink software and modified ready for the ASCII data source.

Navigate to where you saved your file, and then select it and click on the 'Open' button.



Recycle Bin



AgriTech MORPH

File Models Weather Run Reports Scenarios Help

Exit [Navigation Icons]

Address: C:\WeatherLink\AgriTech

Farm: Field: Archive: Model:

**Match Columns for 'AgriTechGarden2005' Archive**

Choose a name from Data Source list. Click to select.  
Choose a name from Archive list. Click to select.  
Watch names align at top of lists. The right mouse button can be used to remove entries from the "Archive Column" list box.

Data Source Columns:	Archive Columns:	Model:
TempOut	Air Temp	All model columns
HiTemp		
LowTemp		
OutHum		
Dew		
WindSpeed		
WindDir		
Run		
Speed		
Dir		
Chill		
Index		
THW		
Index		

Model Columns:

- Air Temp
- Leaf wet
- Rainfall
- Humidity
- Solar Radiation
- Soil Temp
- Evaporation

OK Cancel Help

Lines

You will be prompted to match up the columns from the Data Source (the file containing the data exported from the WeatherLink software) to some archive columns.

If there are no 'Archive Columns' then just double-click on a column name under 'Model Columns' to make it appear in the 'Archive Columns' section.

If you accidentally add a column to the 'Archive Columns' section which you do not want then you can 'right-click' on it to remove it.

In our example we are only interested in the Air Temperature weather data column. Once you have added your weather data column you will need to match up the 'Data Source Columns' to the 'Archive Columns'. To do this simply select a column label in the 'Data Source Columns' section and then click on the relevant label in the 'Archive Columns' section so that they are both highlighted blue.

Once you are done click on the OK button and the data will automatically start to transfer into your new MORPH met data archive.

**AgriTech**

File Edit View Favorites Tools Help

Back Search

Address C:\WeatherLink\AgriTech

**MORPH**

File Models Weather Run Reports Scenarios Help

Exit Transfer Transfer As... Merge ASCII Data... View

Farm: [ ] Live: [ ]

WLK File 134 KB	WLK File 134 KB	2004-10.wlk WLK File 134 KB	2004-11.wlk WLK File 130 KB	2005-01.wlk WLK File 134 KB	2005-02.wlk WLK File 47 KB	BrightSunshineHours Text Document 1 KB
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print Text Document 1 KB	Profile1.lst LST File 1 KB	STATION.CFG CFG File 4 KB	TempHumHours Text Document 1 KB	TemplateList Text Document 1 KB	UploadList Text Document 0 KB	jan05 Text Document 524 KB
						NOAAYR Text Document 1 KB
						rain Data Base File 1 KB
						AgriTechGarden2005 Text Document 288 KB
						original2005 Text Document 329 KB

Once your weather data has finished transferring you can look at it to make sure that it is OK by selecting 'Weather'-'>'View'

AgriTech

MORPH

File Models Weather Run Reports Scenarios Help

Exit [Navigation Icons]

Address: C:\WeatherLink\AgriTech

Farm: Field: Archive: Model:

2004-10.wlk (134 KB), 2004-11.wlk (130 KB), 2004-12.wlk (134 KB), 2005-01.wlk (134 KB)

DataLists (1 KB), exportedData (323 KB), LeafWetHours (0 KB), print (1 KB), STATION.CFG (4 KB), TemplateList (1 KB)

TempHumHours (1 KB), UploadList (0 KB), AgriTechGarden2005 (288 KB), original2005 (329 KB)

Select Met Data Archive

Met Data Archive: AgriTechGarden2005, Gerry, Jerry97, Kirton 98, Lincs 94, Vale 95, Wellesbourne 98

Data Source: ASCII Files

OK Cancel

Select the met data archive you just transferred your data into, in this example it is 'AgriTechGarden2005'.



	Air Temp
2005/01/01 00:30:00	42.1
2005/01/01 01:00:00	43.1
2005/01/01 01:30:00	43.4
2005/01/01 02:00:00	43.9
2005/01/01 02:30:00	43.4
2005/01/01 03:00:00	43.0
2005/01/01 03:30:00	43.0
2005/01/01 04:00:00	43.4
2005/01/01 04:30:00	43.6
2005/01/01 05:00:00	42.7
2005/01/01 05:30:00	41.1
2005/01/01 06:00:00	40.9
2005/01/01 06:30:00	40.4
2005/01/01 07:00:00	41.0
2005/01/01 07:30:00	40.9
2005/01/01 08:00:00	41.0
2005/01/01 08:30:00	42.0
2005/01/01 09:00:00	43.3
2005/01/01 09:30:00	44.4
2005/01/01 10:00:00	46.0
2005/01/01 10:30:00	47.1
2005/01/01 11:00:00	47.8
2005/01/01 11:30:00	48.3
2005/01/01 12:00:00	49.2
2005/01/01 12:30:00	49.2
2005/01/01 13:00:00	49.9
2005/01/01 13:30:00	-99.0
2005/01/01 14:00:00	-99.0
2005/01/01 14:30:00	-99.0
2005/01/01 15:00:00	-99.0
2005/01/01 15:30:00	-99.0
2005/01/01 16:00:00	-99.0
2005/01/01 16:30:00	-99.0
2005/01/01 17:00:00	-99.0
2005/01/01 17:30:00	-99.0
2005/01/01 18:00:00	-99.0
2005/01/01 18:30:00	49.0
2005/01/01 19:00:00	48.3
2005/01/01 19:30:00	48.0

The weather data will then be displayed in the 'MORPH Weather Database Viewer'.

You have now transferred your weather data from the WeatherLink software into MORPH.



	Air Temp
2005/01/01 00:30:00	42.1
2005/01/01 01:00:00	43.1
2005/01/01 01:30:00	43.4
2005/01/01 02:00:00	43.9
2005/01/01 02:30:00	43.4
2005/01/01 03:00:00	43.0
2005/01/01 03:30:00	43.0
2005/01/01 04:00:00	43.4
2005/01/01 04:30:00	43.6
2005/01/01 05:00:00	42.7
2005/01/01 05:30:00	41.1
2005/01/01 06:00:00	40.9
2005/01/01 06:30:00	40.4
2005/01/01 07:00:00	41.0
2005/01/01 07:30:00	40.9
2005/01/01 08:00:00	41.0
2005/01/01 08:30:00	42.0
2005/01/01 09:00:00	43.3
2005/01/01 09:30:00	44.4
2005/01/01 10:00:00	46.0
2005/01/01 10:30:00	47.1
2005/01/01 11:00:00	47.8
2005/01/01 11:30:00	48.3
2005/01/01 12:00:00	49.2
2005/01/01 12:30:00	49.2
2005/01/01 13:00:00	49.9
2005/01/01 13:30:00	-99.0
2005/01/01 14:00:00	-99.0
2005/01/01 14:30:00	-99.0
2005/01/01 15:00:00	-99.0
2005/01/01 15:30:00	-99.0
2005/01/01 16:00:00	-99.0
2005/01/01 16:30:00	-99.0
2005/01/01 17:00:00	-99.0
2005/01/01 17:30:00	-99.0
2005/01/01 18:00:00	-99.0
2005/01/01 18:30:00	49.0
2005/01/01 19:00:00	48.3
2005/01/01 19:30:00	48.0

AgriTechGarden2005 - Notepad

Date	Time	Tempout	HiTemp	LowTemp	OutHum	Dew	windspeed
01/01/2005	00:30	42.1	42.1	41.4	87	38.5	0
01/01/2005	01:00	43.1	43.1	42.1	86	39.2	1
01/01/2005	01:30	43.4	43.4	43.1	86	39.5	1
01/01/2005	02:00	43.9	43.9	43.4	84	39.4	0
01/01/2005	02:30	43.4	43.9	43.4	85	39.2	1
01/01/2005	03:00	43	43.4	43	86	39.1	1
01/01/2005	03:30	43	43	43	86	39.1	1
01/01/2005	04:00	43.4	43.4	43	85	39.2	1
01/01/2005	04:30	43.6	43.7	43.4	83	38.8	1
01/01/2005	05:00	42.7	43.6	42.7	84	38.2	1
01/01/2005	05:30	41.1	42.7	41.1	85	36.9	1
01/01/2005	06:00	40.9	41.1	40.9	86	37	0
01/01/2005	06:30	40.4	40.9	40.4	87	36.8	1
01/01/2005	07:00	41	41	40.4	88	37.7	1
01/01/2005	07:30	40.9	41.3	40.9	89	37.9	1
01/01/2005	08:00	41	41	40.6	91	38.6	1
01/01/2005	08:30	42	42	41	91	39.6	1
01/01/2005	09:00	43.3	43.3	42	89	40.3	1
01/01/2005	09:30	44.4	44.4	43.3	87	40.8	2
01/01/2005	10:00	46	46	44.4	85	41.7	2
01/01/2005	10:30	47.1	47.1	46	84	42.5	3
01/01/2005	11:00	47.8	47.8	47.1	83	42.9	3
01/01/2005	11:30	48.3	48.3	47.8	84	43.7	3
01/01/2005	12:00	49.2	49.2	48.3	82	43.9	3
01/01/2005	12:30	49.2	49.3	49.2	82	43.9	4
01/01/2005	13:00	49.9	49.9	49.2	81	44.3	4
01/01/2005	13:30	50.8	50.8	49.9	81	45.2	4
01/01/2005	14:00	51.1	51.2	50.8	82	45.8	3
01/01/2005	14:30	51.2	51.2	51.1	83	46.2	6
01/01/2005	15:00	51.4	51.4	51.2	86	47.4	5
01/01/2005	15:30	52	52	51.4	85	47.6	6
01/01/2005	16:00	52.7	52.7	52	84	48	6
01/01/2005	16:30	52.1	52.7	52	89	49	5
01/01/2005	17:00	53.4	53.4	52.1	85	49	6
01/01/2005	17:30	54.2	54.3	53.4	81	48.5	7
01/01/2005	18:00	51.1	54.2	51.1	81	45.5	7
01/01/2005	18:30	49	51.1	48.9	71	40	6
01/01/2005	19:00	48.3	49	48.3	69	38.6	5
01/01/2005	19:30	48	48.3	48	62	35.6	5
01/01/2005	20:00	46.9	48.1	46.9	64	35.4	5
01/01/2005	20:30	46	46.9	46	62	33.7	5
01/01/2005	21:00	45.5	46	45.5	65	34.4	5
01/01/2005	21:30	45.3	45.6	45.2	64	33.8	5
01/01/2005	22:00	44.7	45.3	44.7	63	32.9	5
01/01/2005	22:30	44	44.7	44	65	33	5
01/01/2005	23:00	44	44.1	43.7	64	32.6	5
01/01/2005	23:30	43.7	44	43.7	63	31.9	5
02/01/2005	00:00	43.4	43.7	43.4	62	31.2	5
02/01/2005	00:30	42	43.4	42	67	31.8	4
02/01/2005	01:00	41.1	42	41.1	66	30.6	3
02/01/2005	01:30	40.9	41.1	40.9	66	30.4	3
02/01/2005	02:00	40.7	40.9	40.6	63	29.1	4
02/01/2005	02:30	40.6	40.7	40.6	63	29	4
02/01/2005	03:00	40	40.6	40	66	29.6	3
02/01/2005	03:30	39.7	40	39.7	67	29.6	4