



customcodecrafters

RSS Weather by Yahoo!

GENERAL INFORMATION

SIMPLWINDOWS FILE NAME:	C3 weather.yahoo.com r2.umc
CATEGORY:	RSS
CURRENT VERSION:	r2
PROGRAMMER:	Walt Yao
SUMMARY:	C3 RSS Weather module retrieves forecast data from the Yahoo! weather servers for the day, the evening, and the following day. Weather can be obtained for any region defined by Yahoo! weather. Go to http://weather.yahoo.com
SETUP:	The processor must have the 'rss-weatherCities.txt' file in the root folder of the nvram. In 2-series, this can be simply in the root directory (ie. /NVRAM/). For 3-series, the root folder is the name of the 'program ID' where this module resides in (ie. /NVRAM/App01/).

INPUT DEFINITIONS

getDataFromInput	D	pulse to grab data from Yahoo! using the specified region code regionCodeIn
getData[#]	D	pulse to grab data from Yahoo! using the specified region codes in the parameter list regionCode[#]
regionCode	S	serial input for the WOEID (where on Earth ID). To find WOEID: 1. go to http://weather.yahoo.com 2. search for the forecast of the region you want to add 3. open region forecast page 4. click on orange 'rss' logo 5. observe the address bar (should look like: http://weather.yahooapis.com/forecastrss?p=*****&u=f) where ***** is the WOEID needed 6. Google search WOEID for more info.

OUTPUT DEFINITIONS

receivingData	D	receiving data, used to show popup "loading"
location	S	reports the region and country
wind_chill	S	reports wind chill factor
wind_dir	S	reports wind direction
humidity	S	reports humidity in %
visibility	S	reports visibility distance
pressure	S	reports pressure in millibars
sunrise	S	reports local sunrise time
sunset	S	reports local sunset time
condition	S	reports the condition of weather (cloudy, fog, etc)
temperature	S	reports temperature
date_polled	S	reports the time the forecast was published
forecast_day#	S	reports the name of the evening(1) and the following day(2)
forecast_date#	S	reports the full date of the evening(1) and the following day(2) (ex '16 Aug 2011')
forecast_low#	S	reports the low temperature range of the evening(1) and the following day(2)
forecast_high#	S	reports the high temperature range of the evening(1) and the following day(2)



customcodecrafters

forecast_condition#	S	reports the condition of the evening(1) and the following day(2)
pressureState	A	reports the state of the barometric pressure: steady (0), rising (1), or falling (2).
icon_code_now	A	this code is tied to the weather status icon analog mode join
icon_code_day#	A	weather status icon analog mode join number of the evening(1) and the following day(2)
status	A	connection status of the tcp socket, definition as follows: 0: Success <0: Error -1: ClientVariable is not a TCP/IP client variable. -2: Could not create the connection task -3: Port not in range of 0-65535. -4: Server returned error

PARAMETERS

metricimperial	S	select dropdown to pick celcius or fahrenheit
regionCode[#]	S	WOEID code

© 2011 Custom Code Crafters Ltd.

Please note:

Unauthorized use of this module is prohibited.
Please read the following terms and conditions.

License terms & conditions:

This software & related Source Code is the intellectual property of Custom Code Crafters Ltd.

Custom Code Crafters Ltd grants authorized Dealers, Partners and end-users the non-exclusive right to use and/or compile and/or compress the Software and upload such compiled and/or compressed Software files to control systems within the bounds of the Software agreement.

No right is granted to otherwise copy, reproduce, modify, upload, download, transmit or distribute the Software & Source code or derivative works in any way.

The Software and Source Code and derivative works are protected by copyright trade secret and other intellectual property laws and by international treaties which provide rights and obligations in addition to the rights and obligations set forth here.

This module may contain manufactures communication protocols. These are the intellectual property of the manufacturer in question and remain their intellectual property. No right is granted to otherwise copy, reproduce, modify, upload, download, transmit, distribute or reverse engineer the protocol information or derivative works in any way.

Disclaimer:

All data is obtained by the Yahoo! weather website and is subject to changes from the Yahoo! Servers at any time without warning.