Brian Sherwin

aka.ms/hcicsource (source and slides)

Temperature map is at: aka.ms/hcic

Temperature chart for all sensors: http://hcic.azurewebsites.net/

Particle Photon - Arduino compatible wifi controller.
Particle Weather Shield - has weather related sensors

Out of the box, it connects to Particle's cloud. Data can be shipped off to other cloud services via web hooks.

Install node.js (v6.9.4, NOT v7.4.0) (me: running 6.9.2, leaving as is w/6.9.4 downloaded)

Python 2.x (not 3+) (installed: 2.7.10)

npm install -g particle-cli

particle-cli is for setting up the web hook on the particle.

particle serial id: 320024000747353138383138 (Cyprus)
particle serial id: 2f0043001147353230333635 (Rob)

Create account
320024000747353138383138@mailinator.com
pass: 32002400074735313838313 8

Can rename the particle device. The default is the serial number. It's recommended to leave it as the serial number as the name so it's easier to identify if the device is lost.

Once device setup on wifi and claimed, create web hook… Particle cloud is basically a proxy.

Particle web hook has a character limit for the web hook code (limited to

255 chars). So using one character variable names to save space.

#codemash - tweet the map

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hackster.io - click on communities and there’s a particle community.

Use a gateway device like the Intel Nook to have IoT talk to Nook. The Nook would replace the Particle gateway.

Azure demo

aka.ms/ppws - walkthrough of Azure setup + videos and such.