title: Logagent input plugin for Nova SDS011 Sensor description: Logagent features modular logging architecture framework where each input or output module is implemented as a plugin. The plugin collects PM10 and PM2.5 values from Nova SDS011 dust sensor from USB via serial port. The sensor data can be enriched with GPS location data and other plugins. Measure air pollution and send your IoT metrics and logs data to our managed elastic stack SaaS with integrated logging & monitoring analytics tools, alerts, and various devops integrations

Input plugin: Nova SDS011 sensor

Input plugin for [@sematext/logagent](http://sematext.com/logagent/). The plugin collects PM10 and PM2.5 values from Nova SDS011 dust sensor from USB via serial port. The sensor data can be enriched with location data from other plugins, e.g. from Logagent apple location tracker plugin.

Installation

Install [@sematext/logagent](https://www.npmjs.com/package/@sematext/logagent) and logagent-novasds npm package:

```
npm i -g @sematext/logagent
npm i -g logagent-novasds
```

Configuration

```yaml
# Global options
options:
  includeOriginalLine: false

input:
  novaSDS011:
    module: logagent-novasds
    # COM port for the USB to serial interface
    comPort: /dev/cu.wchusbserialfa1220
    # optional static sensor location
    location:
      lat: 49.0
      lon: 7.0
      address: "My Street, My City, My Country"
    tags:
      environment: indoors

output:
  stdout: yaml
  # store senor data in Sematext Cloud
```

```yaml
sematext-cloud:
  module: elasticsearch
  url: https://logsene-receiver.sematext.com
  index:   YOUR_LOGSENE_TOKEN
# share sensor data via MQTT
mqtt:
  module: output-mqtt
  url: mqtt://test.mosquitto.org
  topic: sensor-data
  debug: false
  # optional filter settings matching data field with regular expressions
  filter:
    field: logSource
    match: Nova
```

Start logagent

```
logagent --config logagent-novasds011-input.yaml
```