- /reading

  - The reading endpoint queries influxdb for readings that match the applicable filter if there is one. These are then formatted to work as pseudo models and transformed to be jsonapi compliant.

SCENARIO	Expected OUTPUT	Pass/Fail	Comments	Tested By
Doing a GET @ "/reading" to get all readings	200 - All the readings	Pass	The readings are paginated so only the first few hundred are shown	Daniel
Doing a GET @ "/reading/monthly" to get all readings grouped monthly	200 - All the readings but grouped by what month they are in.	Pass	The months are all done on a 30 day period so a bit weird it's not this month, last month	Daniel
Doing a POST @ "/reading" to attempt to write a reading	405 - Not allowed to write a reading	Pass	API only allows retrieving datapoints	Daniel
Doing a GET @ "/device/abc1/reading" to get all readings for the device with id "abc1"	200 - Returns all readings which have the device tag as abc1	Pass		Daniel
Doing a GET @ "/area/canterbury/reading" to get all readings for devices in the are group canterbury	200 - Returns all readings which have device tags of devices in the canterbury group	Fail	Areas can be recursive but the API doesn't currently recursively look for readings in child areas.	Daniel

- /device

  - The device endpoints returns data from the device model, detailing information about the devices setup to uplinks about.

SCENARIO	Expected OUTPUT	Pass/Fail	Comments	Tested By
Doing a GET @ "/device" to get the details for all devices	200 - The details of all devices	Pass		Daniel
Doing a GET @ "/device/abc1" to get the details for device abc1	200 - The details of device abc1	Pass		Daniel
Doing a GET @ "/device/def1" to get the details for device def1 which doesn't exist in the database.	404 - Device doesn't exist	Pass		Daniel
Doing a POST @ "/device" to attempt to create a device	Get a 405 Method not allowed.	Pass	API only allows retrieving devices currently.	Daniel
Doing a GET @ "/area/canterbury /device" to get all devices belonging to the group canterbury	200 - Returns all devices that belong to the group canterbury	Fail	Areas can be recursive but the API doesn't currently recursively look for devices in child areas.	Daniel

- /area

  - The Area endpoint returns details regarding areas in a list, with an optional show endpoint to get details for a specific area.

SCENARIO	Expected OUTPUT	Pass/Fail	Comments	Tested By
Doing a GET @ "/area" to get the details for all areas	200 - The details of all device areas	Pass		Daniel
Doing a GET @ "/area/canterbury" to get the details for area canterbury	200 - The details of device area	Pass		Daniel
Doing a GET @ "/area/london" to get the details for area "london" which doesn't exist in the database.	404 - Area doesn't exist	Pass		Daniel
Doing a POST @ "/area" to attempt to create a new area	Get a 405 Method not allowed.	Pass	API only allows retrieving area currently.	Daniel

- /stat

  - The stat endpoint returns a model containing stats for all readings applicable to the filter provided.

SCENARIO	Expected OUTPUT	Pass/Fail	Comments	Tested By
Doing a GET @ "/stat" to get the stats of all readings, with only 2 readings in the database	200 - The stats model. With count_reading at 2	Pass		Daniel