

# Description of RDP API.

**There are three functions currently available under RDP API:**

## **1. Function “(host)/ARMAS\_API/apiget\_flights\_all.php”.**

Purpose: get the list of all ARMAS flights and their average properties in the database

Type of request: HTTP GET

Input: none

Output: JSON-formatted list of all ARMAS flights and their average properties in the database

Example:“(host)/ARMAS\_API/apiget\_flights\_all.php”

## **2. Function “(host)/ARMAS\_API/apiget\_flights\_selected.php”.**

Purpose: get the list of the selected flights (based on the flight ID or time period)

Type of request: HTTP GET

Input option 1: flightID – ID of the ARMAS flight which is equal to its ARMAS filename

Input option 2: start\_time and end\_time variables, in “yyyy-mm-ddThh:mm:ss” format

Output: JSON-formatted list of all ARMAS flights and their average properties in the database

Example:“(host)/ARMAS\_API/apiget\_flights\_selected.php?flightID=ARMAS\_dirIP\_Report\_59780\_20130617160950\_L1L4.txt”,“(host)/ARMAS\_API/apiget\_flights\_selected.php?start\_time=2017-06-01T00:00:00&end\_time=2017-07-01T00:00:00”

## **3. Function “(host)/ARMAS\_API/apiget\_flightmeasurements\_byID.php”.**

Purpose: get all measurements by ARMAS and supporting sources based on the flight ID.

Type of request: HTTP GET

Input: Option 1: flightID – ID of the ARMAS flight which is equal to its ARMAS filename

Output: JSON-formatted list of ARMAS measurements and supporting data for a particular flights

Example:“(host)/ARMAS\_API/apiget\_flightmeasurements\_byID.php?flightID=ARMAS\_dirIP\_Report\_59780\_20130617160950\_L1L4.txt”

**In addition, there is a set of python functions in “rdpclient.py” file. The function names and variables are similar to the php functions here. You have to have requests module imported in order to utilize them.**