

planets

Created by: peterdownie.com

Software Version: 2.41k

Greater Code Name: Atomic

Lesser Code Name: Neutron

Service Version: 1.04

Purpose

Planets allow for getting information about our solar system.

Version 1.04 - Has been simplified and technical specifications make knowing what to use easier

Version 1.03 - Adding addition return information, simplified and standardized parameters

Version 1.02 - Some major bugs are being fixed - mostly moon data.

Version 1.01 - No longer uses nusoap!

lowerText

technicalSpecifications

planetName Values: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto
planetProperty Values: dayMinutesPer, PerihelionKm, AphelionKm, tempatureLowCeluis, tempatureHighCeluis, sizeKm, yearEarthDays, DiscoverBy, DiscoveredDate, averageOrbitVelocityInKmPerHour, OrbitEccentricity, OrbitInclinationInDegrees, volumelnKmCubed, masslnKg, densitylnGramsPerCentimeterCubed, surfaceAreainKMSquared, escapeVelocitylnKmPerHour, siderealRotationPeriodlnEarthHours, rotationDirection, equatorialInclinationToOrbitlnDegrees, meanRadiuslnKm, EquatorialCircumferenceInKm, SurfaceGravitylnMetersAsecondSquared, AtmosphericConstituentslnCSV, orbitSizeAroundSunlnKm

Main Methods

__construct

planet_properties_available
return_solar_system_raw_data
return_solar_system_planet_names
return_moons_by_planet_array
returnPlanetProperty
returnPlanetPropertyForMultiplePlanets
returnSinglePlanetWithMultipleProperties
returnMultiplePropertiesForMultiplePlanets

Method Details

__construct

| Must be called as it loads the class Data

planet_properties_available

| Returns possible planetProperty values

return_solar_system_raw_data

| Get all of the XML data from the file"

return_solar_system_planet_names

| Gets all of the planet names, includes the dwarf planet pluto
| Use with input planetName

return_moons_by_planet_array

| *Parameter #0 [<required> array \$planetName_array]*

| returns all of the moons for each planet in the array. The moons are case sensitive and can be found with return_solar_system_planet_names
| The data is an array of the planet names with a csv of the moons.

returnPlanetProperty

| *Parameter #0 [<required> \$planetName]*

| *Parameter #1 [<required> \$planetProperty]*

| get a specific planet property use return_solar_system_planet_names to find valid planets(they are case sensitive) valid properties are

returnPlanetPropertyForMultiplePlanets

| *Parameter #0 [<required> array \$planetName_array]*

| *Parameter #1 [<required> \$planetProperty]*

gets a property for multiple planets, which are included in an array, this is similar

return Planet Property but was made to help reduce calls to the server for low end internet

connections. Description is a boolean that has a item called Description with the query

returnSinglePlanetWithMultipleProperties

Parameter #0 [<required> \$planetName]

Parameter #1 [<required> array \$planetProperty_array]

uses the same properties as returnPlanetProperty, this allows you to get multiple properties

for one planet, this reduces delay instead of calling a planet one by one. The search

planet must be a legal planet and is case sensitive, you can find out the names with

return_solar_system_planet_names, must have a capital in front.

Description is a boolean with default of true

You can disable it by setting it to false

returnMultiplePropertiesForMultiplePlanets

Parameter #0 [<required> array \$planetName_array]

Parameter #1 [<required> array \$planetProperty_array]

This function returns Multiple Planets and Multiple Properties, it uses the same properties as

returnPlanetProperty, it also uses the input of planets that can be discovered with return_solar_system_planet_names

Method Technical Specifications

__construct

No technical specifications found

planet_properties_available

No technical specifications found

return_solar_system_raw_data

No technical specifications found

return_solar_system_planet_names

No technical specifications found

return_moons_by_planet_array

Possible planetNames Values: Mercury,Venus,Earth,Mars,Jupiter,Saturn,Uranus,Neptune,Pluto

returnPlanetProperty

Possible planetName Values: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto

Possible planetProperty(s) Values: dayMinutesPer, PerihelionKm, AphelionKm, tempatureLowCeluis, tempatureHighCeluis, sizeKm, yearEarthDays, DiscoverBy, DiscoveredDate, averageOrbitVelocityInKmPerHour, OrbitEccentricity, OrbitInclinationInDegrees, volumelnKmCubed, masslnKg, densitylnGramsPerCentimeterCubed, surfaceAreainKMSquared, escapeVelocityInKmPerHour, siderealRotationPeriodInEarthHours, rotationDirection, equatorialInclinationToOrbitInDegrees, meanRadiusInKm, EquatorialCircumferenceInKm, SurfaceGravityInMetersAsecondSquared, AtmosphericConstituentsInCSV, orbitSizeAroundSunInKm

returnPlanetPropertyForMultiplePlanets

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