

# NASA OIG SiteData Schema

Date: July 26, 2019

<https://oig.nasa.gov/data/SiteData.json>

Abstract	Extensible	Status	Identifiable	Custom Properties	Additional Properties	Defined In
Can be instantiated	Yes	Approved	No	Forbidden	Permitted	

## NASA OIG SiteData Properties

Property	Type	Required	Nullable	Defined by
<a href="#">items</a>	object[]	Required	No	NASA OIG SiteData (this schema)
<a href="#">metadata</a>	object	Required	No	NASA OIG SiteData (this schema)
*	any	Additional	Yes	this schema <i>allows</i> additional properties

### items

#### The Items Schema

items

- is required
- type: object[]
- defined in this schema

#### items Type

Array type: object[]

All items must be of the type: object with following properties:

Property	Type	Required	Default
expires	string	Optional	""
file	string	Optional	""
hidden	boolean	Optional	false
id	string	Required	""
image	string	Optional	""
issued	string	Required	""
link	string	Optional	""
name	string	Required	""
page	integer	Optional	1
size	integer	Optional	0
summary	string	Optional	""
title	string	Required	""
topic	integer	Optional	0
type	integer	Required	0
video	string	Optional	""

## expires

### The Expires Schema

An ISO 8601 Date String of when expires

expires

- is optional
- type: string
- default: ""

### expires Type

string

All instances must conform to this regular expression

```
^\d{4}-(\d|1[0-2])-(\d|3[0-1])T(\d|2[0-3]):[0-5]\d:[0-5]\dZ$
```

- test example: [2019-08-29T14:00:00Z](#)

### expires Example

```
2019-08-29T14:00:00Z
```

## file

### The File Schema

The attachment file name

file

- is optional
- type: string
- default: ""

### file Type

string

All instances must conform to this regular expression

```
^(.*)$
```

- test example: [IG-19-019.pdf](#)

### file Example

```
IG-19-019.pdf
```

## hidden

### The Hidden Schema

The item should not be included or displayed

hidden

- is optional
- type: boolean
- default: false

### hidden Type

boolean

#### hidden Example

false

### id

#### The Id Schema

A unique item ID

id

- is **required**
- type: `string`
- default: `""`

#### id Type

`string`

All instances must conform to this regular expression

`^(.)*$`

- test example: [WNaRx6VmJgEkoy3APL8q](#)

#### id Example

`WNaRx6VmJgEkoy3APL8q`

### image

#### The Image Schema

An image file name (jpg, gif, png)

image

- is optional
- type: `string`
- default: `""`

#### image Type

`string`

All instances must conform to this regular expression

`^\w+[\.](jpg|gif|png|webp)$`

- test example: [EuropaClipper.jpg](#)

#### image Example

`EuropaClipper.jpg`

### issued

#### The Issued Schema

An ISO 8601 Date String of when issued

issued

- is required
- type: string
- default: ""

#### issued Type

string

All instances must conform to this regular expression

```
^\d{4}-(\d|1[0-2])-(\d|3[0-1])T(\d|2[0-3]):[0-5][\d]:[0-5][\d]Z$
```

- test example: [2019-05-29T14:00:00Z](#)

#### issued Example

2019-05-29T14:00:00Z

#### link

##### The Link Schema

An attachment absolute URL

link

- is optional
- type: string
- default: ""

#### link Type

string

All instances must conform to this regular expression

```
/^https?:[\d]{0,5}\\\/.*$/gi
```

- test example: <https://nasa.gov/europa.html>

#### link Example

<https://nasa.gov/europa.html>

#### name

##### The Name Schema

name

- is required
- type: string
- default: ""

#### name Type

string

All instances must conform to this regular expression

```
^(.*)$
```

- test example: [IG-19-019](#)

#### name Example

## page

### The Page Schema

The page to display when opening

page

- is optional
- type: integer
- default: 1

### page Type

integer

### page Example

3

## size

### The Size Schema

The size of the attachment in bytes

size

- is optional
- type: integer
- default: 0

### size Type

integer

### size Example

5011380

## summary

### The Summary Schema

summary

- is optional
- type: string
- default: ""

### summary Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: [NASA's management of a mission to Europa](#)

### summary Example

NASA's management of a mission to Europa

title

The Title Schema

- title
- is required
  - type: string
  - default: ""

title Type

string

All instances must conform to this regular expression

- `^(.*)$`
- test example: [Management of NASA's Europa Mission](#)

title Example

Management of NASA's Europa Mission

topic

The Topic Schema

The item's topic index such as space operations

- topic
- is optional
  - type: integer
  - default: 0

topic Type

integer

topic Example

2

type

The Type Schema

The item's type index such as audit report

- type
- is required
  - type: integer
  - default: 0

type Type

integer

type Example

1

video

The Video Schema

A YouTube video ID of 11 characters

video

- is optional
- type: string
- default: ""

video Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: [F-2bGWtVzgA](#)

video Example

F-2bGWtVzgA

metadata

The Metadata Schema

metadata

- is required
- type: object
- defined in this schema

metadata Type

object with following properties:

Property	Type	Required	Default
timestamp	string	Required	""
topics	array	Required	
types	array	Required	
url	object	Required	null

timestamp

The Timestamp Schema

An ISO 8601 Date String of when created

timestamp

- is required
- type: string
- default: ""

timestamp Type

string

All instances must conform to this regular expression

`/^[\\d]{4}-(0[\\d]|1[0-2])-(0[2-9]|3[0-1])T(0[1-9]|1[0-3])[0-5]:[0-5][\\d]:[0-5][\\d]Z$/`

- test example: [2019-07-24T16:00:00Z](#)

timestamp Example

2019-07-24T16:00:00Z

topics

The Topics Schema

Item topic index constants

topics

- is required
- type: object[]

topics Type

Array type: object[]

All items must be of the type: object with following properties:

Property	Type	Required	Default
group	string	Optional	""
id	integer	Required	0
name	string	Required	""

group

The Group Schema

group

- is optional
- type: string
- default: ""

group Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: [OA](#)

group Example

OA

id

The Id Schema

id

- is required
- type: integer
- default: 0

id Type



integer

id Example

1

name

The Name Schema

name

- is required
- type: string
- default: ""

name Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: [Space Operations](#)

name Example

Space Operations

types

The Types Schema

Item type index constants

types

- is required
- type: object[]

types Type

Array type: object[]

All items must be of the type: object with following properties:

Property	Type	Required	Default
group	string	Optional	""
id	integer	Required	0
name	string	Required	""

group

The Group Schema

group

- is optional
- type: string
- default: ""

group Type

string

All instances must conform to this regular expression

`^(.*)"`

- test example: [IG](#)

#### group Example

IG

#### id

##### The Id Schema

id

- is required
- type: integer
- default: 0

##### id Type

integer

##### id Example

1

#### name

##### The Name Schema

name

- is required
- type: string
- default: ""

##### name Type

string

All instances must conform to this regular expression

`^(.*)"`

- test example: [News](#)

##### name Example

News

#### url

##### The Url Schema

URL templates where `{{id}}` is replaced by an attachment name or ID

url

- is required
- type: object
- default: null

url Type

object with following properties:

Property	Type	Required	Default
data	string	Required	""
file	string	Required	""
image	string	Required	""
site	string	Required	""
thumb	string	Required	""
video	string	Required	""

data

The Data Schema

data

- is required
- type: string
- default: ""

data Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: [{{id}}](https://oig.nasa.gov/data/)

data Example

`https://oig.nasa.gov/data/{{id}}`

file

The File Schema

file

- is required
- type: string
- default: ""

file Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: <https://oig.nasa.gov/{{id}}>

file Example

`https://oig.nasa.gov/{{id}}`

image

## The Image Schema

image

- is required
- type: string
- default: ""

### image Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: <https://oig.nasa.gov/docs/{{id}}>

### image Example

`https://oig.nasa.gov/docs/{{id}}`

## site

### The Site Schema

site

- is required
- type: string
- default: ""

### site Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: <https://oig.nasa.gov>

### site Example

`https://oig.nasa.gov`

## thumb

### The Thumb Schema

thumb

- is required
- type: string
- default: ""

### thumb Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: <https://img.youtube.com/vi/{{id}}/default.jpg>

thumb Example

https://img.youtube.com/vi/{{id}}/default.jpg

video

The Video Schema

video

- is required
- type: string
- default: ""

video Type

string

All instances must conform to this regular expression

`^(.*)$`

- test example: <https://www.youtube.com/embed/{{id}}>

video Example

https://www.youtube.com/embed/{{id}}

# Example Data

```
{
  "items": [
    {
      "id": "A1DGevN1ZmbuhD2CWSpH",
      "type": 10,
      "topic": 5,
      "issued": "2019-07-17T14:00:00Z",
      "name": "A-19-014-00",
      "title": "NASA's Management of Hazardous Materials",
      "summary": "The overall objective of this audit will be to evaluate NASA's processes and procedures regarding the acquisition, handling, s
    },
    {
      "id": "oRGDLfRhyKjdg39q00Pn",
      "type": 5,
      "issued": "2019-07-10T14:00:00Z",
      "name": "CT-19-001",
      "title": "NASA OIG Testifies before Congress",
      "summary": "NASA Inspector General Paul Martin testifies before the U.S. House of Representatives Subcommittee on Space and Aeronautics re
      "video": "uOM-CIUx8_0",
      "image": "CT-19-001.jpg",
      "file": "CT-19-001.pdf",
      "size": 1054894
    },
    {
      "id": "oRGDLfRhyKjdg39q00Pn",
      "type": 10,
      "topic": 5,
      "issued": "2019-07-02T14:00:00Z",
      "name": "A-19-015-00",
      "title": "Management of the Stratospheric Observatory for Infrared Astronomy (SOFIA) Airborne Observatory",
      "summary": "To assess NASA's management of the SOFIA airborne observatory during its ongoing prime operations phase relative to cost, tech
    },
    {
      "image": "IG-19-JPL.jpg",
      "issued": "2019-06-18T14:00:00Z",
      "name": "IG-19-022",
      "summary": "The Office of Inspector General assessed the effectiveness of the Jet Propulsion Laboratory's network security controls for it
      "title": "Cybersecurity Management and Oversight at the Jet Propulsion Laboratory",
      "type": 1,
```

```

        "id": "BcVqjtooAjBwaDScIBe1",
        "topic": 3,
        "file": "IG-19-022.pdf",
        "size": 2412853,
        "expires": "2019-09-18T14:00:00Z"
    }
],
"metadata": {
    "timestamp": "2019-07-24T16:00:00Z",
    "url": {
        "site": "https://oig.nasa.gov",
        "file": "https://oig.nasa.gov/{id}",
        "image": "https://oig.nasa.gov/docs/{id}",
        "data": "https://oig.nasa.gov/data/{id}",
        "video": "https://www.youtube.com/embed/{id}",
        "thumb": "https://img.youtube.com/vi/{id}/default.jpg"
    },
    "types": [
        {
            "id": 1,
            "name": "News",
            "group": "IG"
        },
        {
            "id": 2,
            "name": "Semiannual",
            "group": "IG"
        },
        {
            "id": 3,
            "name": "Audit Reports",
            "group": "OA"
        },
        {
            "id": 4,
            "name": "Investigations",
            "group": "OI"
        },
        {
            "id": 5,
            "name": "Testimony",
            "group": "IG"
        },
        {
            "id": 7,
            "name": "Special Reviews",
            "group": "IG"
        },
        {
            "id": 8,
            "name": "Letters to Congress",
            "group": "IG"
        },
        {
            "id": 10,
            "name": "Active Projects",
            "group": "OA"
        },
        {
            "id": 11,
            "name": "Mgmt Challenges",
            "group": "IG"
        },
        {
            "id": 12,
            "name": "Press Releases",
            "group": "OI"
        },
        {
            "id": 13,
            "name": "Publications",
            "group": "OI"
        },
        {
            "id": 14,
            "name": "Recommendations",
            "group": "OA"
        }
    ]
},

```

```
"topics": [
  {
    "id": 1,
    "name": "Space Operations",
    "group": "OA"
  },
  {
    "id": 2,
    "name": "Science & Aeronautics",
    "group": "OA"
  },
  {
    "id": 3,
    "name": "Information Technology",
    "group": "OA"
  },
  {
    "id": 4,
    "name": "Financial Management",
    "group": "OA"
  },
  {
    "id": 5,
    "name": "Mission Support",
    "group": "OA"
  },
  {
    "id": 6,
    "name": "Audit Operations & Quality Assurance",
    "group": "OA"
  },
  {
    "id": 13,
    "name": "Export Control Compliance",
    "group": "OA"
  }
]
}
```

