

Flare Scoreboard API

CATALOG: View Catalog of Flare Scoreboard Feed

<https://iswa.gsfc.nasa.gov/lswaSystemWebApp/flarescoreboard/hapi/catalog>

```
{
  "HAPI": "1.1",
  "catalog": [
    {
      "id": "SIDC_Operator_FULLDISK",
      "title": "SIDC human operator moderated"
    },
    {
      "id": "SIDC_Operator_REGIONS",
      "title": "SIDC human operator moderated"
    },
    {
      "id": "MO_TOT1_FULLDISK",
      "title": "Met Office"
    },
    {
      "id": "BoM_flare1_FULLDISK",
      "title": "Australian Bureau of Meteorology, Space Weather Services Flarecast
automatic forecast"
    },
    {
      "id": "BoM_flare1_REGIONS",
      "title": "Australian Bureau of Meteorology, Space Weather Services Flarecast
automatic forecast"
    },
    {"id": "ASSA_1_FULLDISK"},
    {"id": "ASSA_1_REGIONS"},
    {"id": "ASSA_24H_1_FULLDISK"},
    {"id": "ASSA_24H_1_REGIONS"},
    {"id": "AMOS_v1_FULLDISK"},
    {"id": "AMOS_v1_REGIONS"},
    {"id": "ASAP_1_REGIONS"},
    {"id": "NOAA_1_FULLDISK"},
    {"id": "NOAA_1_REGIONS"},
    {"id": "UFCORIN_1_FULLDISK"}
  ],
  "status": {
    "code": 1200,
    "message": "OK"
  }
}
```

INFO: View details about a specific feed: (parameters available, fill values, start and stop date)

https://iswa.gsfc.nasa.gov/IswaSystemWebApp/flarescoreboard/hapi/info?id=SIDC_Operator_FULLLDISK&options=fields.all¶meters=C,M,X

Parameters			
id	DataID of the model of interest.	REQUIRED	id=NOAA_1_FULLLDISK
options	Display all fields or just fields supported by the model.	OPTIONAL	options=fields.all options=fields.supported (default)
parameters	Display subset of fields.	OPTIONAL	parameters=M,X

```
{
  "HAPI-API": "1.1",
  "parameters": [
    {
      "fill": -1,
      "name": "C",
      "type": "double",
      "units": "probability"
    },
    {
      "fill": -1,
      "name": "M",
      "type": "double",
      "units": "probability"
    },
    {
      "fill": -1,
      "name": "X",
      "type": "double",
      "units": "probability"
    }
  ],
  "startDate": "2015-08-06T12:30:00.0",
  "status": {
    "code": 1200,
    "message": "OK"
  },
  "stopDate": "2017-11-20T12:30:00.0"
}
{"id": "NOAA_1_FULLLDISK"},
{"id": "NOAA_1_REGIONS"},
{"id": "UFCORIN_1_FULLLDISK"}
],
"status": {
  "code": 1200,
  "message": "OK"
}
}
```

DATA: View data for a given window of time:

https://iswa.ccmc.gsfc.nasa.gov/lswaSystemWebApp/flarescoreboard/hapi/data?id=NOAA_1_FULLLDISK&time.min=2017-10-25T00:00:00.0&time.max=2017-10-27T00:00:00.0&format=csv¶meters=start_window,end_window,X&options=fields.all

Parameters			
id	DataID of the model of interest.	REQUIRED	id=NOAA_1_FULLLDISK
time.min	Start of data (based on issue time)	REQUIRED	time.min=2017-10-25T00:00:00.0
time.max	End of data (based on issue time)	REQUIRED	time.max=2017-10-27T00:00:00.0
options	Display all fields or just fields supported by the model.	OPTIONAL	options=fields.all options=fields.supported (default)
parameters	Display subset of fields.	OPTIONAL	parameters=M,X
format	Returns format as CSV (comma separated value) or JSON (javascript object notation)	OPTIONAL	format=csv (default) format=json
include	Adds header to top of CSV formatted data Ignored for format=json	OPTIONAL	include=header (defaults to not showing header)

```
2017-10-25T00:00:00.0,2017-10-26T00:00:00.0,0.01
2017-10-25T00:00:00.0,2017-10-26T00:00:00.0,0.01
2017-10-26T00:00:00.0,2017-10-27T00:00:00.0,0.01
2017-10-27T00:00:00.0,2017-10-28T00:00:00.0,0.01
2017-10-26T00:00:00.0,2017-10-27T00:00:00.0,0.01
2017-10-27T00:00:00.0,2017-10-28T00:00:00.0,0.01
2017-10-27T00:00:00.0,2017-10-28T00:00:00.0,0.01
```