

archivefiles

Description

API [archivefiles](#) allows user to search for available files in a station and download the file.

URL

`https://data.oceannetworks.ca/api/archivefiles`

Method	Description	Example
getListByLocation	Get a list of files for a given location code and device category code, and filtered by others optional parameters.	method=getListByLocation
getListByDevice	Get a list of files for a given device code, and filtered by others optional parameters.	method=getListByDevice
getFile	Download a file from DMAS Archiving System by specifying the file name.	method=getFile

getListByLocation

Get a list of files available in Oceans 3.0 Archiving System for a given location code and device category code. The list of filenames can be filtered by time range.

Parameters

Parameter	Type	Description	Example
Required			
token	string	All Web Services require a token. This can be generated at https://data.oceannetworks.ca/Profile . Click on the "Web Services" tab and click "Generate Token".	token=YOUR_TOKEN_HERE
locationCode	string	Return a list of files from a specific Location . - Location Code must be valid. - Specific Location Codes can be obtained using the locations service.	locationCode=BACUS
deviceCategoryCode	string	Return a list of files of a specific Device Category Code . - Device Category Code must be valid. - Specific Device Category Codes can be obtained using the deviceCategories service.	deviceCategoryCode=JB
Optional			
dateFrom	date	Return files that have a timestamp on or after a specific date/time. Accepted DateTime formats: - yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) - yyyy-MM-dd (ISO 8601 Extended) - PnYnMnDnTnHnMnS (ISO 8601 Duration) If not specified, the default value is the beginning of time. - DateTime is represented in Coordinated Universal Time (UTC). - ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). - Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateFrom=2010-07-27T00:00:00.000Z dateFrom=2010-07-27 dateFrom=-P1DT1H Previous 1 day and 1 hour, relative to the dateTo. Note the '-' before the P.

dateTo	date	Return files that have a timestamp before a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the end of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateTo=2016-08-01T00:00:00.000Z dateTo=2016-08-01 dateTo=PT12H30M • Next 12 hours and 30 minutes, relative to the dateFrom.
dateArchivedFrom	date	Return files archived on or after a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the beginning of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateArchivedFrom=2010-07-27T00:00:00.000Z dateArchivedFrom=2010-07-27 dateArchivedFrom=-P1DT1H • Previous 1 day and 1 hour, relative to the dateTo. Note the '-' before the P.
dateArchivedTo	date	Return files archived before a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the end of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateArchivedTo=2016-08-01T00:00:00.000Z dateArchivedTo=2016-08-01 dateArchivedTo=PT12H30M • Next 12 hours and 30 minutes, relative to the dateFrom.
fileExtension	String	Return files of a specific File Extension. • file extension is not case sensitive	png
dataProductCode	String	Return files of a specific Data Product Code. • Specific Data Product Codes can be obtained using the dataProducts Discovery Service.	HSD
returnOptions	string	If there is no value given, list of filenames will be returned. If the value is "archiveLocation" a list of filenames with their archiveLocation will be returned. Mostly used by www.oceannetworks.ca website. If the value is "all", more metadata information will be returned. *All results returned with serviceMetadata object.	returnOptions=archiveLocation
rowLimit	integer	The maximum number of data to return, within the constraints of the service. Note this will limit the data starting at the dateFrom time and ending at the row limit, not necessarily at the dateTo time. default row limit: 100000	rowLimit=100
page	integer	The service will return data starting from a certain page. By default this value is 1. If the data size is greater than rowLimit, results will be split into pages where each page contains at most rowLimit number of data. This parameter is used to generate serviceMetadata.next parameter, which can be used to get the next set of data.	page=1

getLatest	boolean	Specifies whether or not the latest raw data readings should be returned first. This is false by default. When set to true, readings are returned and pagination is done from latest to earliest.	getLatest=true
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Response

Success

HTTP status code 200 will be returned in HTTP header.

If "returnOption" parameter is "all", a list of file names with their metadata information will be returned.

- Order of list will be by filename ascending

```
{
  "files":
  [
    {
      "archivedDate": <date>,
      "compression": <string>,
      "dataProductCode": <string>,
      "dateFrom": <date>,
      "dateTo": <date>,
      "deviceCode": <string>,
      "fileSize": <long>,
      "filename": <string>,
      "modifyDate": <date>,
      "uncompressedFileSize": <long>
    },
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom": <date>,
    "dateArchivedTo": <date>,
    "dateFrom": <date>,
    "dateTo": <date>,
    "deviceCategoryCode": <string>,
    "returnOptions": <string>,
    "rowLimit": <integer>,
    "page": <integer>,
    "locationCode": <string>
  }
}
```

Property	Type	Description	Example
files.archivedDate	date	The time stamp of current file in AD while it is archived	2010-04-21T00:00:00.000Z
files.compressedSize	long	File size, in bytes, after compressed with GZip	
files.compression	string	The file extension if the file is compressed	gz
files.dataProductCode	string	Data product code	8
files.dateFrom	date	The beginning time stamp the data is recorded in the file	2010-04-21T00:00:00.000Z
files.dateModified	date	The last time stamp of any modification related to the file	2010-04-22T01:55:00.000Z
files.dateTo	date	The end time stamp the data is recorded in the file	2010-04-22T00:00:00.000Z
files.deviceCode	string	Device Code	
files.filename	string	The name of the file	"BC_POD2_JB_20090908T000000.000Z.txt"

files.uncompressedSize	long	Original file size, in bytes, without compressed	156545
serviceMetadata.dateArchivedFrom	date	As passed into the original call	
serviceMetadata.dateArchivedTo	date	As passed into the original call	
serviceMetadata.dateFrom	date	As passed into the original call	
serviceMetadata.dateTo	date	As passed into the original call	
serviceMetadata.deviceCategoryCode	string	As passed into the original call	"JB"
serviceMetadata.returnOptions	string	As passed into the original call	
serviceMetadata.rowLimit	integer	As passed into the original call	5
serviceMetadata.next	Object	An object containing information for the next service call if the current call was unable to return all the data due to limit restrictions. This is null if there is no more data in the requested range.	
serviceMetadata.next.parameters	Object	An object containing the set of parameters making up the query to get the next set of data in the requested date range. The parameters will include all parameters passed into the original URL.	
- serviceMetadata.next.parameters.deviceCategoryCode	String	As passed into the original call	"JB"
- serviceMetadata.next.parameters.method	String	As passed into the original call	"getListByLocation"
- serviceMetadata.next.parameters.returnOptions	String	As passed into the original call	"archiveLocation"
- serviceMetadata.next.parameters.rowLimit	integer	As passed into the original call	5
- serviceMetadata.next.parameters.page	integer	The page index for next call	1
- serviceMetadata.next.parameters.locationCode	String	As passed into the original call	"BACUS"
- serviceMetadata.next.parameters.token	String	As passed into the original call	"YOUR_TOKEN_HERE"
serviceMetadata.next.url	String	The complete URL that can be used to get the next set of data in the requested range.	
serviceMetadata.page	integer	The page index for next call. 1 means all results are returned and there is no more data	
serviceMetadata.locationCode	string	As passed into the original call	

Example

- If "returnOptions" parameter is **NOT** set, list of file names will be returned in files array object.
- https://data.oceannetworks.ca/api/archivefiles?method=getListByLocation&token=YOUR_TOKEN_HERE&locationCode=BACUS&deviceCategoryCode=JB&rowLimit=5

```

{
  "files": [
    "BC_POD2_JB_20090908T000000.000Z.txt",
    "BC_POD2_JB_20090909T000000.000Z.txt",
    "BC_POD2_JB_20090916T000000.000Z.txt",
    "BC_POD2_JB_20090925T000000.000Z.txt",
    "BC_POD2_JB_20090926T000000.000Z.txt"
  ],
  "serviceMetadata": {
    "dateArchivedFrom": null,
    "dateArchivedTo": null,
    "dateFrom": null,
    "dateTo": null,
    "deviceCategoryCode": "JB",
    "locationCode": "BACUS",
    "next": {
      "parameters": {
        "method": "getListByLocation",
        "rowLimit": "5",
        "page": "2",
        "locationCode": "BACUS",
        "deviceCategoryCode": "JB",
        "token": "YOUR_TOKEN_HERE"
      },
      "url": "https://data.oceannetworks.ca/api/archivefiles?method=getListByLocation&rowLimit=5&page=2&locationCode=BACUS&deviceCategoryCode=JB&token=YOUR_TOKEN_HERE"
    },
    "page": 2,
    "returnOptions": "",
    "rowLimit": 5
  }
}

```

- If "returnOptions" parameter is set to **all**, more information will be returned in files array.
- https://data.oceannetworks.ca/api/archivefiles?method=getListByLocation&token=YOUR_TOKEN_HERE&locationCode=BACUS&deviceCategoryCode=JB&returnOptions=all&rowLimit=1

```

{
  "files":[
    {
      "archivedDate":"2010-06-03T08:27:23.000Z",
      "compression":"gz",
      "dataProductCode":"LF",
      "dateFrom":"2009-09-08T00:00:00.000Z",
      "dateTo":"2009-09-09T00:00:00.000Z",
      "deviceCode":"BC_POD2_JB",
      "fileSize":24668,
      "filename":"BC_POD2_JB_20090908T000000.000Z.txt",
      "modifyDate":"2015-01-09T19:40:22.000Z",
      "uncompressedFileSize":684891
    }
  ],
  "serviceMetadata":{
    "dateArchivedFrom":null,
    "dateArchivedTo":null,
    "dateFrom":null,
    "dateTo":null,
    "deviceCategoryCode":"JB",
    "locationCode":"BACUS",
    "next":{
      "parameters":{
        "method":"getListByLocation",
        "returnOptions":"all",
        "rowLimit":"1",
        "page":"2",
        "locationCode":"BACUS",
        "deviceCategoryCode":"JB",
        "token":"YOUR_TOKEN_HERE"
      },
      "url":"https://data.oceannetworks.ca/api/archivefiles?
method=getListByLocation&returnOptions=all&rowLimit=1&page=2&locationCode=BACUS&deviceCategoryCode=JB&token=YOUR
_TOKEN_HERE"
    },
    "page":2,
    "returnOptions":"all",
    "rowLimit":1
  }
}

```

- If "returnOptions" parameter is set to **archiveLocation**
- https://data.oceannetworks.ca/api/archivefiles?method=getListByLocation&token=YOUR_TOKEN_HERE&locationCode=BACUS&deviceCategoryCode=JB&returnOptions=archiveLocation&rowLimit=1

```

{
  "files":[
    {
      "archiveLocation":"/archive/AD/venus/VENUS_UNIQUE/VUNIQUE0007",
      "dateFrom":"2009-09-08T00:00:00.000Z",
      "filename":"BC_POD2_JB_20090908T000000.000Z.txt",
      "path":"/00/15/88"
    }
  ],
  "serviceMetadata":{
    "dateArchivedFrom":null,
    "dateArchivedTo":null,
    "dateFrom":null,
    "dateTo":null,
    "deviceCategoryCode":"JB",
    "locationCode":"BACUS",
    "next":{
      "parameters":{
        "method":"getListByLocation",
        "returnOptions":"archiveLocation",
        "rowLimit":"1",
        "page":"2",
        "locationCode":"BACUS",
        "deviceCategoryCode":"JB",
        "token":"YOUR_TOKEN_HERE"
      },
      "url":"https://data.oceannetworks.ca/api/archivefiles?
method=getListByLocation&returnOptions=archiveLocation&rowLimit=1&page=2&locationCode=BACUS&deviceCategoryCode=JB&token=YOUR_TOKEN_HERE"
    },
    "page":2,
    "returnOptions":"archiveLocation",
    "rowLimit":1
  }
}

```

getListByDevice

Get a list of files available in Oceans 3.0 Archiving System for a given device code. The list of filenames can be filtered by time range.

Parameters

Parameter	Type	Description	Example
Required			
token	string	All Web Services require a token. This can be generated at http://data.oceannetworks.ca/Profile . Click on the "Web Services" tab and click "Generate Token".	token=YOUR_TOKEN_HERE
deviceCode	string	Return a list of files of a specific Device Code . - Device Code must be valid. - Specific Device Codes can be found by simply running the service without this parameter to get a list of all devices.	deviceCode=BC_POD2_JB
Optional			

dateFrom	date	Return files that have a timestamp on or after a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the beginning of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateFrom=2010-07-27T00:00:00.000Z dateFrom=2010-07-27 dateFrom=-P1DT1H • Previous 1 day and 1 hour, relative to the dateTo. Note the '-' before the P.
dateTo	date	Return files that have a timestamp before a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the end of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateTo=2016-08-01T00:00:00.000Z dateTo=2016-08-01 dateTo=PT12H30M • Next 12 hours and 30 minutes, relative to the dateFrom.
dateArchivedFrom	date	Return files archived on or after a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the beginning of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateArchivedFrom=2010-07-27T00:00:00.000Z dateArchivedFrom=2010-07-27 dateArchivedFrom=-P1DT1H • Previous 1 day and 1 hour, relative to the dateTo. Note the '-' before the P.
dateArchivedTo	date	Return files archived before a specific date/time. Accepted DateTime formats: • yyyy-MM-dd'T'HH:mm:ss.SSS'Z' (ISO 8601 Extended) • yyyy-MM-dd (ISO 8601 Extended) • PnYnMnDTnHnMnS (ISO 8601 Duration) If not specified, the default value is the end of time. • DateTime is represented in Coordinated Universal Time (UTC). • ISO 8601 Extended format without a time will be assumed to mean midnight (T00:00:000.000Z). • Queries with both dateFrom and dateTo in the ISO 8601 Duration format will not be accepted.	dateArchivedTo=2016-08-01T00:00:00.000Z dateArchivedTo=2016-08-01 dateArchivedTo=PT12H30M • Next 12 hours and 30 minutes, relative to the dateFrom.
fileExtension	String	Return files of a specific File Extension. • file extension is not case sensitive	png
dataProductCode	String	Return files of a specific Data Product Code. • Specific Data Product Codes can be obtained using the dataProducts Discovery Service.	HSD
returnOptions	string	If there is no value given, list of filenames will be returned. If the value is "archiveLocation" a list of filenames with their archiveLocation will be returned. If the value is "all", more metadata information will be returned. *All results returned with serviceMetadata object.	returnOptions=archiveLocation

rowLimit	integer	The maximum number of data to return, within the constraints of the service. Note this will limit the data starting at the dateFrom time and ending at the row limit, not necessarily at the dateTo time. default row limit: 100000	rowLimit=100
page	integer	The service will return data starting from a certain page. By default this value is 1. If the data size is greater than rowLimit, results will be split into pages where each page contains at most rowLimit number of data. This parameter is used to generate serviceMetadata.next parameter, which can be used to get the next set of data.	page=1
getLatest	boolean	Specifies whether or not the latest raw data readings should be returned first. This is false by default. When set to true, readings are returned and pagination is done from latest to earliest.	getLatest=true

Response

Success

HTTP status code 200 will be returned in HTTP header.

If "returnOption" parameter is "all", a list of file names with their metadata information will be returned.

- Order of list will be by filename ascending

```
{
  "files":
  [
    {
      "archivedDate": <date>,
      "compression": <string>,
      "dataProductCode": <string>,
      "dateFrom": <date>,
      "dateTo": <date>,
      "fileSize": <long>,
      "filename": <string>,
      "modifyDate": <date>,
      "uncompressedFileSize": <long>
    },
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom":<date>,
    "dateArchivedTo":<date>,
    "dateFrom":<date>,
    "dateTo":<date>,
    "deviceCode":<string>,
    "returnOptions":<string>,
    "rowLimit":<integer>,
    "page":<integer>
  }
}
```

Property	Type	Description	Example
files.archivedDate	date	The time stamp of current file in AD while it is archived	2010-04-21T00:00:00.000Z
files.compressedSize	long	File size, in bytes, after compressed with GZip	
files.compression	string	The file extension if the file is compressed	gz
files.dataProductCode	string	Data product code	8
files.dateFrom	date	The beginning time stamp the data is recorded in the file	2010-04-21T00:00:00.000Z

files.dateModified	date	The last time stamp of any modification related to the file	2010-04-22T01:55:00.000Z
files.dateTo	date	The end time stamp the data is recorded in the file	2010-04-22T00:00:00.000Z
files.filename	string	The name of the file	"BC_POD2_JB_20090908T000000.000Z.txt"
files.uncompressedSize	long	Original file size, in bytes, without compression	155545654
serviceMetadata.dateArchivedFrom	date	As passed into the original call	
serviceMetadata.dateArchivedTo	date	As passed into the original call	
serviceMetadata.dateFrom	date	As passed into the original call	
serviceMetadata.dateTo	date	As passed into the original call	
serviceMetadata.deviceCode	string	As passed into the original call	"BC_POD2_JB"
serviceMetadata.next	Object	An object containing information for the next service call if the current call was unable to return all the data due to limit restrictions. This is null if there is no more data in the requested range.	
• serviceMetadata.next.parameters	Object	An object containing the set of parameters making up the query to get the next set of data in the requested date range. The parameters will include all parameters passed into the original URL.	
◦ serviceMetadata.next.parameters.deviceCode	String	As passed into the original call	"BC_POD2_JB"
◦ serviceMetadata.next.parameters.method	String	As passed into the original call	"getListByDevice"
◦ serviceMetadata.next.parameters.page	integer	The page index for next call	1
◦ serviceMetadata.next.parameters.returnOptions	String	As passed into the original call	"archiveLocation"
◦ serviceMetadata.next.parameters.rowLimit	integer	As passed into the original call	5
◦ serviceMetadata.next.parameters.token	String	As passed into the original call	"YOUR_TOKEN_HERE"
• serviceMetadata.next.url	String	The complete URL that can be used to get the next set of data in the requested range.	
serviceMetadata.page	integer	The page index for next call. 1 means all results are returned and there is no more data	
serviceMetadata.returnOptions	string	As passed into the original call	
serviceMetadata.rowLimit	integer	As passed into the original call	5

Example

- If "returnOptions" parameter is **NOT** set, list of file names will be returned in files array object.
- https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=YOUR_TOKEN_HERE&deviceCode=BC_POD2_JB&rowLimit=5

```

{
  "files":[
    "BC_POD2_JB_20080929T000000.000Z.log",
    "BC_POD2_JB_20081002T000000.000Z.log",
    "BC_POD2_JB_20081002T000000.000Z.txt",
    "BC_POD2_JB_20081003T000000.000Z.txt",
    "BC_POD2_JB_20081004T000000.000Z.txt"
  ],
  "serviceMetadata":{
    "dateArchivedFrom":null,
    "dateArchivedTo":null,
    "dateFrom":null,
    "dateTo":null,
    "deviceCode":"BC_POD2_JB",
    "next":{
      "parameters":{
        "method":"getListByDevice",
        "deviceCode":"BC_POD2_JB",
        "rowLimit":"5",
        "page":"2",
        "token":"YOUR_TOKEN_HERE"
      },
      "url":"https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&deviceCode=BC_POD2_JB&rowLimit=5&page=2&token=YOUR_TOKEN_HERE"
    },
    "page":2,
    "returnOptions":"",
    "rowLimit":5
  }
}

```

- If **"returnOptions"** parameter is set to **all**, more information will be returned in files array.
- https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=YOUR_TOKEN_HERE&deviceCode=BC_POD2_JB&returnOptions=all&rowLimit=1

```

{
  "files": [
    {
      "archivedDate": "2013-09-20T22:52:49.000Z",
      "compression": "gz",
      "dataProductCode": null,
      "dateFrom": "2008-09-29T00:00:00.000Z",
      "dateTo": "2008-09-30T00:00:00.000Z",
      "deviceCode": "BC_POD2_JB",
      "fileSize": 87,
      "filename": "BC_POD2_JB_20080929T000000.000Z.log",
      "modifyDate": "2013-09-20T22:52:49.000Z",
      "uncompressedFileSize": 67
    }
  ],
  "serviceMetadata": {
    "dateArchivedFrom": null,
    "dateArchivedTo": null,
    "dateFrom": null,
    "dateTo": null,
    "deviceCode": "BC_POD2_JB",
    "next": {
      "parameters": {
        "method": "getListByDevice",
        "returnOptions": "all",
        "deviceCode": "BC_POD2_JB",
        "rowLimit": "1",
        "page": "2",
        "token": "YOUR_TOKEN_HERE"
      },
      "url": "https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&returnOptions=all&deviceCode=BC_POD2_JB&rowLimit=1&page=2&token=YOUR_TOKEN_HERE"
    },
    "page": 2,
    "returnOptions": "all",
    "rowLimit": 1
  }
}

```

- Return a list of files with extension png
- https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=TOKEN_HERE&deviceCode=IOS3HYDARR01&rowLimit=5&fileExtension=png

```

{
  "next": {
    "parameters": {
      "method": "getListByDevice",
      "fileExtension": "png",
      "deviceCode": "IOS3HYDARR01",
      "rowLimit": "5",
      "page": "2",
      "token": "TOKEN_HERE"
    },
    "url": "https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&fileExtension=png&deviceCode=IOS3HYDARR01&rowLimit=5&page=2&token=TOKEN_HERE"
  },
  "queryUrl": "https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=TOKEN_HERE&deviceCode=IOS3HYDARR01&rowLimit=5&fileExtension=png",
  "files": ["IOS3HYDARR01_20060314T130754.000Z-spect-H3.png", "IOS3HYDARR01_20060314T130754.000Z-spect-H2.png", "IOS3HYDARR01_20060314T130754.000Z-spect-H1.png", "IOS3HYDARR01_20060314T131752.000Z-spect-H3.png", "IOS3HYDARR01_20060314T131752.000Z-spect-H2.png"]
}

```

- Return a list of files with data product code HSD (Hydrophone Spectral Data)
- https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=TOKEN_HERE&deviceCode=IOS3HYDARR01&rowLimit=5&dataProductCode=HSD

```
{
  "next": {
    "parameters": {
      "method": "getListByDevice",
      "dataProductCode": "HSD",
      "deviceCode": "IOS3HYDARR01",
      "rowLimit": "5",
      "page": "2",
      "token": "TOKEN_HERE"
    },
    "url": "https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&dataProductCode=HSD&deviceCode=IOS3HYDARR01&rowLimit=5&page=2&token=TOKEN_HERE"
  },
  "queryUrl": "https://data.oceannetworks.ca/api/archivefiles?method=getListByDevice&token=TOKEN_HERE&deviceCode=IOS3HYDARR01&rowLimit=5&dataProductCode=HSD",
  "files": ["IOS3HYDARR01_20060314T130754.000Z-spect-H3.png", "IOS3HYDARR01_20060314T130754.000Z-spect-H2.png", "IOS3HYDARR01_20060314T130754.000Z-spect-H1.png", "IOS3HYDARR01_20060314T130754.000Z-spect-H3.pdf", "IOS3HYDARR01_20060314T130754.000Z-spect-H2.pdf"]
}
```

getFile

Download a file from Oceans 3.0 Archiving System by specifying the file name. The file will be downloaded without *any compression*.

Many files in the archive are compressed for storage, uncompressing these files takes time on the server and increases data volume to transfer. We will address this performance issue in a future update.

Parameters

Parameter	Type	Description	Example
Required			
filename	string	A valid name of a file in DMAS Archiving System.	NAXYS_02345_P008_20100107T185747.660Z.wav
token	string	Credential token.	

Response

Success

HTTP status code 200 will be returned in HTTP header and the requested file will be downloaded.

Example

https://data.oceannetworks.ca/api/archivefiles?method=getFile&token=SAMPLETOKEN123456789&filename=NAXYS_02345_P008_20100107T185747.660Z.wav

getList (No longer available - deprecated)

Get a list of files available in Oceans 3.0 Archiving System for a given station. The list of filenames can be filtered by device category and time range.

Parameters

Parameter	Type	Description	Example
Required			
station	string	Station code defined by DMAS.	
token	string	Credential token.	

Optional			
deviceCategory	string	Device category code defined by DMAS.	
dateFrom	date	The date (in "yyyy-MM-ddTHH:mm:ss.SSSZ" format).	2010-02-15T00:00:00.000Z
dateTo	date	The date (in "yyyy-MM-ddTHH:mm:ss.SSSZ" format).	2010-03-15T18:00:00.000Z
dateArchivedFrom	date	The date (in "yyyy-MM-ddTHH:mm:ss.SSSZ" format).	2010-04-15T00:00:00.000Z
dateArchivedTo	date	The date (in "yyyy-MM-ddTHH:mm:ss.SSSZ" format).	2010-07-15T22:30:00.000Z
returnOptions	string	If there is no value given, only a list of filenames will be returned. If the value is "archiveLocation" a list of filenames with their archiveLocation will be returned. If the value is "all" there are more metadata information will be returned.	all
rowLimit	integer	The maximum number of data to return, within the constraints of the service. Note this will limit the data starting at the dateFrom time and ending at the row limit, not necessarily at the dateTo time. default row limit: 100000	rowLimit=100
returnServiceMetadata	string	if it is true, the service will return all the input parameters with an additional information to indicate the next start index	returnServiceMetadata=true
startIndex	integer	This only works if returnServiceMetadata=true. The service will return data starting from the startIndex. It is useful for client code to create a loop.	startIndex = 100

Response

Success

HTTP status code 200 will be returned in HTTP header.

If "returnServiceMetadata" is NOT set to "true" and if "returnOption" parameter is "all", a list of file names with their metadata information will be returned.

- Order of list will be by filename ascending

```
[
  {
    "archivedDate": <date>,
    "compression": <string>,
    "dataProductFormatId": <integer>
    "dateFrom": <date>,
    "dateTo": <date>,
    "deviceId": <integer>,
    "fileSize": <long>,
    "filename": <string>,
    "modifyDate": <date>,
    "uncompressedFileSize": <long>
  },
]
```

Property	Type	Description	Example
archivedDate	date	The time stamp of current file in AD while it is archived	2010-04-21T00:00:00.000Z
compressedSize	long	File size, in bytes, after compressed with GZip	
compression	string	The file extension if the file is compressed	gz
dataProductFormatId	integer	Data product format ID	8
dateFrom	date	The beginning time stamp the data is recorded in the file	2010-04-21T00:00:00.000Z

dateModified	date	The last time stamp of any modification related to the file	2010-04-22T01:55:00.000Z
dateTo	date	The end time stamp the data is recorded in the file	2010-04-22T00:00:00.000Z
deviceId	integer	Device ID	
filename	string	The name of the file	
uncompressedSize	long	Original file size, in bytes, without compressed	

If "returnServiceMetadata" is NOT set to "true" and if "returnOptions" parameter is NOT set, only a list of file names will be returned in JSON array object.

```
[
  <string>,
  <string>
]
```

If "returnServiceMetadata" is set to "true" and if "returnOption" parameter is "all", a list of file names with their metadata information will be returned.

- Order of list will be by filename ascending

```
{
  "files":
  [
    {
      "archivedDate": <date>,
      "compression": <string>,
      "dataProductFormatId": <integer>
      "dateFrom": <date>,
      "dateTo": <date>,
      "deviceId":<integer>,
      "fileSize": <long>,
      "filename": <string>,
      "modifyDate": <date>,
      "uncompressedFileSize": <long>
    },
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom":<date>,
    "dateArchivedTo":<date>,
    "dateFrom":<date>,
    "dateTo":<date>,
    "deviceCategory":<string>,
    "returnOptions":<string>,
    "rowLimit":<integer>,
    "startIndex":<integer>,
    "station":<string>
  }
}
```

Property	Type	Description	Example
files.archivedDate	date	The time stamp of current file in AD while it is archived	2010-04-21T00:00:00.000Z
files.compressedSize	long	File size, in bytes, after compressed with GZip	
files.compression	string	The file extension if the file is compressed	gz
files.dataProductFormatId	integer	Data product format ID	8
files.dateFrom	date	The beginning time stamp the data is recorded in the file	2010-04-21T00:00:00.000Z
files.dateModified	date	The last time stamp of any modification related to the file	2010-04-22T01:55:00.000Z
files.dateTo	date	The end time stamp the data is recorded in the file	2010-04-22T00:00:00.000Z
files.deviceId	integer	Device ID	

files.filename	string	The name of the file	
files.uncompressedSize	long	Original file size, in bytes, without compressed	
serviceMetadata.dateArchivedFrom	date	returned input parameter	
serviceMetadata.dateArchivedTo	date	returned input parameter	
serviceMetadata.dateFrom	date	returned input parameter	
serviceMetadata.dateTo	date	returned input parameter	
serviceMetadata.deviceCategory	string	returned input parameter	
serviceMetadata.returnOptions	string	returned input parameter	
serviceMetadata.rowLimit	integer	returned input parameter	
serviceMetadata.startIndex	integer	the start index for next call. -1 means there is no any data for next call	
serviceMetadata.station	string	returned input parameter	

If "returnServiceMetadata" is set to "true" and if "returnOptions" parameter is NOT set, only a list of file names will be returned in JSON array object.

```
{
  "files":
  [
    <string>,
    <string>
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom":<date>,
    "dateArchivedTo":<date>,
    "dateFrom":<date>,
    "dateTo":<date>,
    "deviceCategory":<string>,
    "returnOptions":<string>,
    "rowLimit":<integer>,
    "startIndex":<integer>,
    "station":<string>
  }
}
```

	Type	Description	Example
files.*	string	The name of the file	"BIOSONICSCTXU08003_20100129T000000.000Z.txt"
serviceMetadata.dateArchivedFrom	date	returned input parameter	
serviceMetadata.dateArchivedTo	date	returned input parameter	
serviceMetadata.dateFrom	date	returned input parameter	
serviceMetadata.dateTo	date	returned input parameter	
serviceMetadata.deviceCategory	string	returned input parameter	
serviceMetadata.returnOptions	string	returned input parameter	
serviceMetadata.rowLimit	integer	returned input parameter	

serviceMetadata.startIndex	integer	the start index for next call. -1 means there is no any data for next call	
serviceMetadata.station	string	returned input parameter	

Example

https://data.oceannetworks.ca/api/archivefiles?method=getList&token=YOUR_TOKEN_HERE&station=FPDP.J1&deviceCategory=HYDROPHONE&dateFrom=2010-02-26T18:38:00.000Z&dateTo=2010-02-26T19:04:00.000Z&returnOptions=all

```
[
  {
    "archivedDate": "2010-02-26T19:29:15.000Z",
    "compression": "gz",
    "dataProductFormatId": 8,
    "dateFrom": "2010-02-26T18:38:23.000Z",
    "dateTo": "2010-02-26T18:43:28.000Z",
    "deviceId": 21601,
    "fileSize": 29325540,
    "filename": "NAXYS_HYD_P004_20100226T183823.766Z.wav",
    "modifyDate": "2010-02-26T19:29:15.000Z",
    "uncompressedFileSize": 57600044
  },
  {
    "archivedDate": "2010-03-17T19:11:41.000Z",
    "compression": "gz",
    "dataProductFormatId": 8,
    "dateFrom": "2010-02-26T18:43:28.000Z",
    "dateTo": "2010-02-26T18:48:28.000Z",
    "deviceId": 21601,
    "fileSize": 29092930,
    "filename": "NAXYS_HYD_P004_20100226T184328.414Z.wav",
    "modifyDate": "2010-03-17T19:11:41.000Z",
    "uncompressedFileSize": 57600044
  },
  {
    "archivedDate": "2010-02-26T18:53:34.000Z",
    "compression": "gz",
    "dataProductFormatId": 8,
    "dateFrom": "2010-02-26T18:48:28.000Z",
    "dateTo": "2010-02-26T18:53:34.000Z",
    "deviceId": 21601,
    "filename": "NAXYS_HYD_P004_20100226T184828.572Z.wav"
  },
  {
    "archivedDate": "2010-03-17T23:17:50.000Z",
    "compression": "gz",
    "dataProductFormatId": 8,
    "dateFrom": "2010-02-26T18:53:34.000Z",
    "dateTo": "2010-02-26T18:58:34.000Z",
    "deviceId": 21601,
    "fileSize": 28719719,
    "filename": "NAXYS_HYD_P004_20100226T185334.825Z.wav",
    "modifyDate": "2010-03-17T23:17:50.000Z",
    "uncompressedFileSize": 57600044
  },
  {
    "archivedDate": "2010-02-26T20:40:40.000Z",
    "compression": "gz",
    "dataProductFormatId": 8,
    "dateFrom": "2010-02-26T18:58:34.000Z",
    "dateTo": "2010-02-26T19:03:34.000Z",
    "deviceId": 21601,
    "fileSize": 28891774,
    "filename": "NAXYS_HYD_P004_20100226T185834.820Z.wav",
    "modifyDate": "2010-02-26T20:40:40.000Z",
    "uncompressedFileSize": 57600044
  }
]
```

https://data.oceannetworks.ca/api/archivefiles?method=getList&token=YOUR_TOKEN_HERE&station=FPDP.J1&dateFrom=2012-03-05T00:00:00.000Z&dateTo=2012-03-06T00:00:00.000Z

```
[
  "RDIADCP300WH15551_20120305T000000.000Z.rdi",
  "RDIADCP300WH15551_20120305T000000.000Z.txt",
  "RDIADCP300WH15551_20120305T060000.000Z.rdi",
  "RDIADCP300WH15551_20120305T120000.000Z.rdi"
]
```

[https://data.oceannetworks.ca/apiproxy/archivefiles?](https://data.oceannetworks.ca/apiproxy/archivefiles?method=getList&station=BACHY&returnServiceMetadata=true&rowLimit=5&startIndex=10&returnOptions=all)

[method=getList&station=BACHY&returnServiceMetadata=true&rowLimit=5&startIndex=10&returnOptions=all](https://data.oceannetworks.ca/apiproxy/archivefiles?method=getList&station=BACHY&returnServiceMetadata=true&rowLimit=5&startIndex=10&returnOptions=all)

```
{
  "files":
  [
    {
      "archivedDate": "2013-09-20T18:05:59.000Z",
      "compression": "gz",
      "dataProductFormatId": 5,
      "dateFrom": "2009-09-02T00:00:00.000Z",
      "dateTo": "2009-09-03T00:00:00.000Z",
      "deviceId": 10002,
      "fileSize": 815980,
      "filename": "BC_MC_PJB_20090902T000000.000Z.txt",
      "modifyDate": "2015-01-07T23:51:17.000Z",
      "uncompressedFileSize": 20772075
    },
    ...
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom": null,
    "dateArchivedTo": null,
    "dateFrom": null,
    "dateTo": null,
    "deviceCategory": "",
    "returnOptions": "all",
    "rowLimit": 5,
    "startIndex": 15,
    "station": "BACHY"
  }
}
```

<https://data.oceannetworks.ca/apiproxy/archivefiles?method=getList&station=BACHY&returnServiceMetadata=true&rowLimit=5>

```

{
  "files":
  [
    {
      "archivedDate": "2013-09-20T18:05:59.000Z",
      "compression": "gz",
      "dataProductFormatId": 5,
      "dateFrom": "2009-09-02T00:00:00.000Z",
      "dateTo": "2009-09-03T00:00:00.000Z",
      "deviceId": 10002,
      "fileSize": 815980,
      "filename": "BC_MC_PJB_20090902T000000.000Z.txt",
      "modifyDate": "2015-01-07T23:51:17.000Z",
      "uncompressedFileSize": 20772075
    },
    ...
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom": null,
    "dateArchivedTo": null,
    "dateFrom": null,
    "dateTo": null,
    "deviceCategory": "",
    "returnOptions": "all",
    "rowLimit": 5,
    "startIndex": 15,
    "station": "BACHY"
  }
}
{
  "files":
  [
    "AGOTEMP02_20110713T000000.000Z.txt",
    "AGOTEMP02_20110714T000000.000Z.txt",
    "AGOTEMP02_20110715T000000.000Z.txt",
    "BC_MC_PJB_20090801T000000.000Z.txt",
    "BC_MC_PJB_20090802T000000.000Z.txt"
  ],
  "serviceMetadata":
  {
    "dateArchivedFrom": null,
    "dateArchivedTo": null,
    "dateFrom": null,
    "dateTo": null,
    "deviceCategory": "",
    "returnOptions": "all",
    "rowLimit": 5,
    "startIndex": 5,
    "station": "BACHY"
  }
}

```