

Download Seismic Data from IRIS

A step-by-step guide

Go to “www.iris.edu”

The screenshot shows a web browser window displaying the IRIS website. The browser's address bar shows the URL <http://www.iris.edu/>. The website header includes the IRIS logo, navigation links for Contact, Staff, Employment, and Sitemap, and a search bar. Below the header is a navigation menu with buttons for Home, About IRIS, Data, Software, Instrumentation, and Publications. A sidebar on the left contains links for various user groups (Educators, Researchers, Students, Committees, Public), a Quick Links section, and a Calendar with two upcoming events: IRIS E&O Standing Committee in Washington, DC (10/1/09 to 10/2/09) and IRIS DMS Standing Committee in Seattle, WA (10/5/09 to 10/6/09). The main content area features a 'Seismic Monitor' section with a world map showing earthquake locations and a description of the service. Below this is a section titled 'Mouse over an IRIS Program for more information:' with five sub-sections: DMS, Education & Outreach, GSN, PASSCAL, and USArray. At the bottom, there are sections for IRIS Notices (including a link to 'IRIS Board of Directors Appoints a Nominations') and PASSCAL Experiments (including a link to 'Map of PASSCAL Experiments').

IRIS - Incorporated Resear... x +

← → ↻ ☆ <http://www.iris.edu/> ▶ 📄 🔍

For quick access, place your bookmarks here in the bookmarks bar. Other bookmarks

Contact Staff Employment Sitemap 🔍 Search

IRIS
Incorporated Research Institutions for Seismology

A university consortium sponsored by the National Science Foundation that is dedicated to the operation of scientific facilities for the acquisition, management, and distribution of freely available seismic data.

Home About IRIS Data Software Instrumentation Publications

⇒ For Educators
⇒ For Researchers
⇒ For Students
⇒ For Committees
⇒ For Public

Quick Links

Calendar

10/1/09 to 10/2/09
[IRIS E&O Standing Committee - Washington, DC](#)

10/5/09 to 10/6/09
[IRIS DMS Standing Committee - Seattle, WA](#)

Seismic Monitor

Seismic Monitor allows you to monitor global earthquakes in near real time, visit seismic stations around the world, and search the web for earthquake or region-related information. You can also view seismograms and make dataset requests via its WILBER interface.

[View the Seismic Monitor](#) / [View Recent Earthquakes](#)
[Recent Major Earthquakes](#)

Mouse over an IRIS Program for more information:

DMS	Education & Outreach	GSN	PASSCAL	USArray

IRIS Notices

[IRIS Board of Directors Appoints a Nominations](#)

PASSCAL Experiments

[Map of PASSCAL Experiments](#)

Click on: Data > Request Tools



The screenshot shows the IRIS website interface. At the top, there is a navigation bar with links for Contact, Staff, Employment, and Sitemap, along with a search box. The main header features the IRIS logo and the text: "A university consortium sponsored by the National Science Foundation that is dedicated to the operation of scientific facilities for the acquisition, management, and distribution of freely available seismic data." Below this is a horizontal menu with buttons for Home, About IRIS, Data, Software, Instrumentation, and Publications. The "Data" button is highlighted, and a dropdown menu is open, showing options for "Types of Data", "Request Tools" (which is highlighted with a black arrow), and "Submitting Data". To the left of the main content is a sidebar with a "Quick Links" section and a "Calendar" section listing events from 10/1/09 to 10/2/09 and 10/5/09 to 10/6/09. The main content area features a "Seismic Monitor" section with a world map showing seismic activity and a description of the tool. Below this is a section titled "Mouse over an IRIS Program for more information:" with five sub-sections: DMS, Education & Outreach, GSN, PASSCAL, and USArray. At the bottom, there are sections for "IRIS Notices" and "PASSCAL Experiments".

IRIS - Incorporated Research... x

http://www.iris.edu/hq/

For quick access, place your bookmarks here in the bookmarks bar. Other bookmarks

Contact Staff Employment Sitemap Search

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Home About IRIS **Data** Software Instrumentation Publications

Types of Data
Request Tools
Submitting Data

For Educators
For Researchers
For Students
For Committees
For Public

Quick Links

Calendar

10/1/09 to 10/2/09
[IRIS E&O Standing Committee - Washington, DC](#)

10/5/09 to 10/6/09
[IRIS DMS Standing Committee - Seattle, WA](#)

Seismic Monitor

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[View the Seismic Monitor](#) / [View Recent Earthquakes](#)
[Recent Major Earthquakes](#)

Mouse over an IRIS Program for more information:

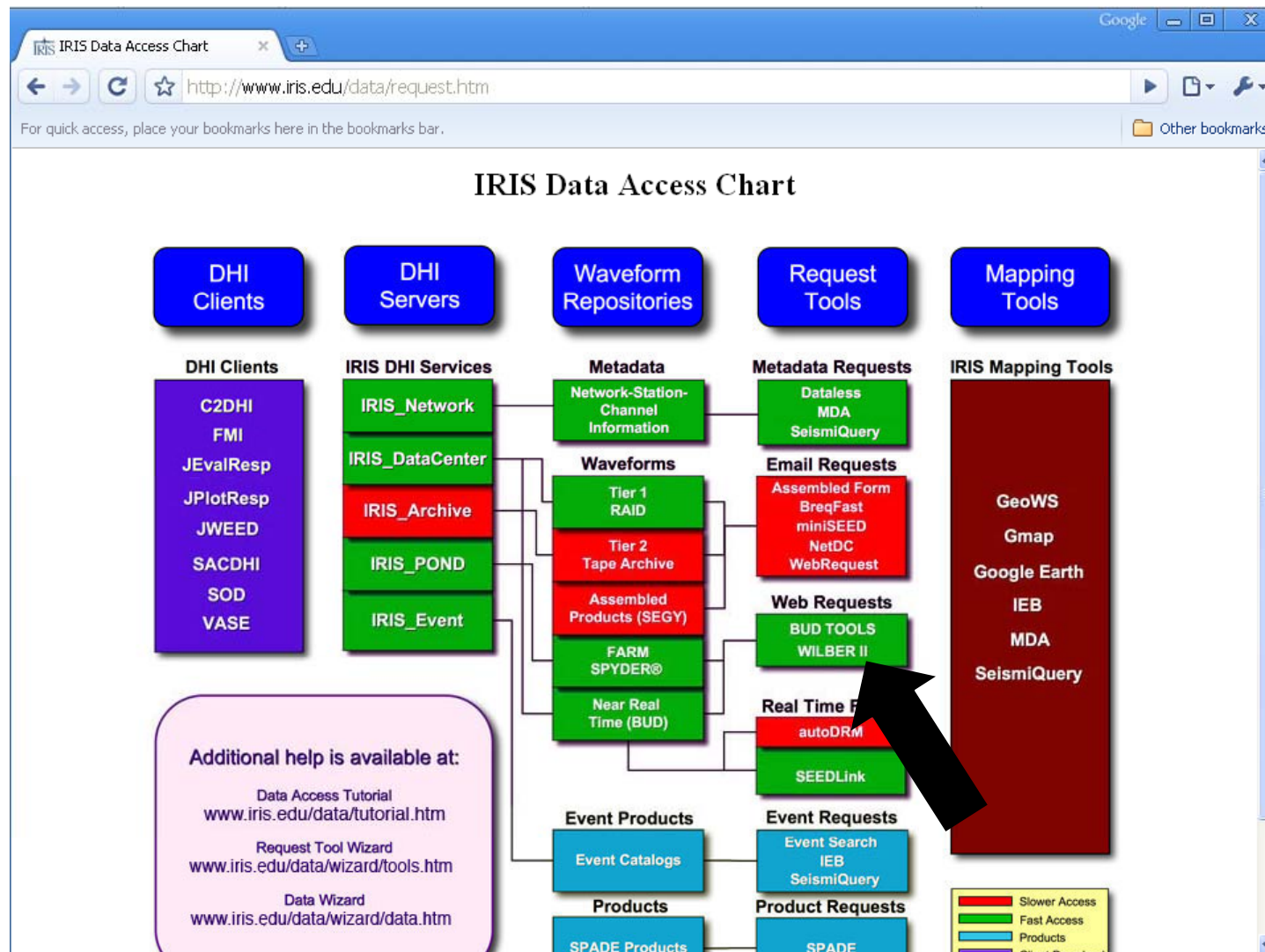
DMS	Education & Outreach	GSN	PASSCAL	USArray

IRIS Notices
[IRIS Board of Directors Appoints a Nominations](#)

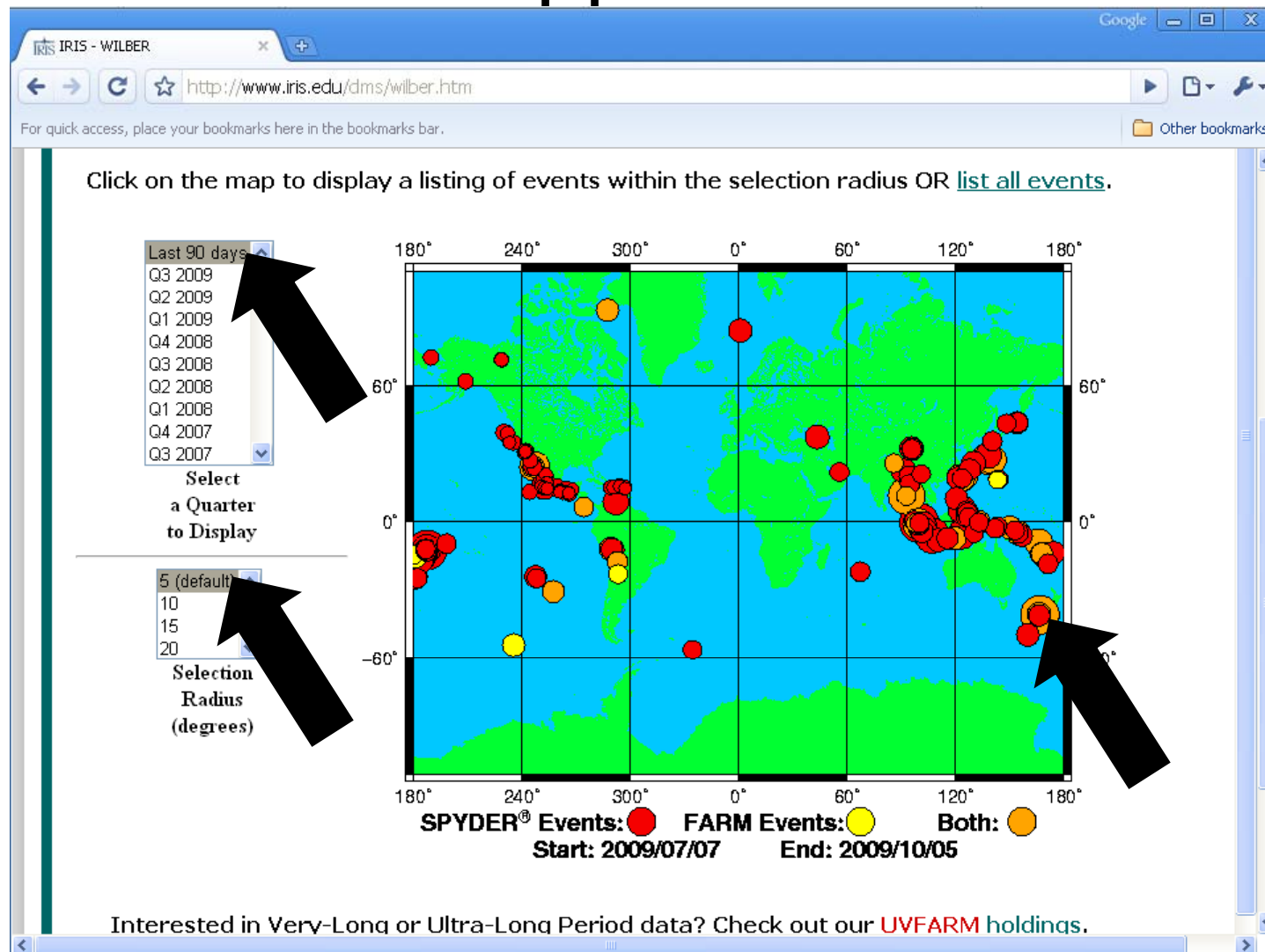
PASSCAL Experiments
[Map of PASSCAL Experiments](#)

http://www.iris.edu/data/request.htm

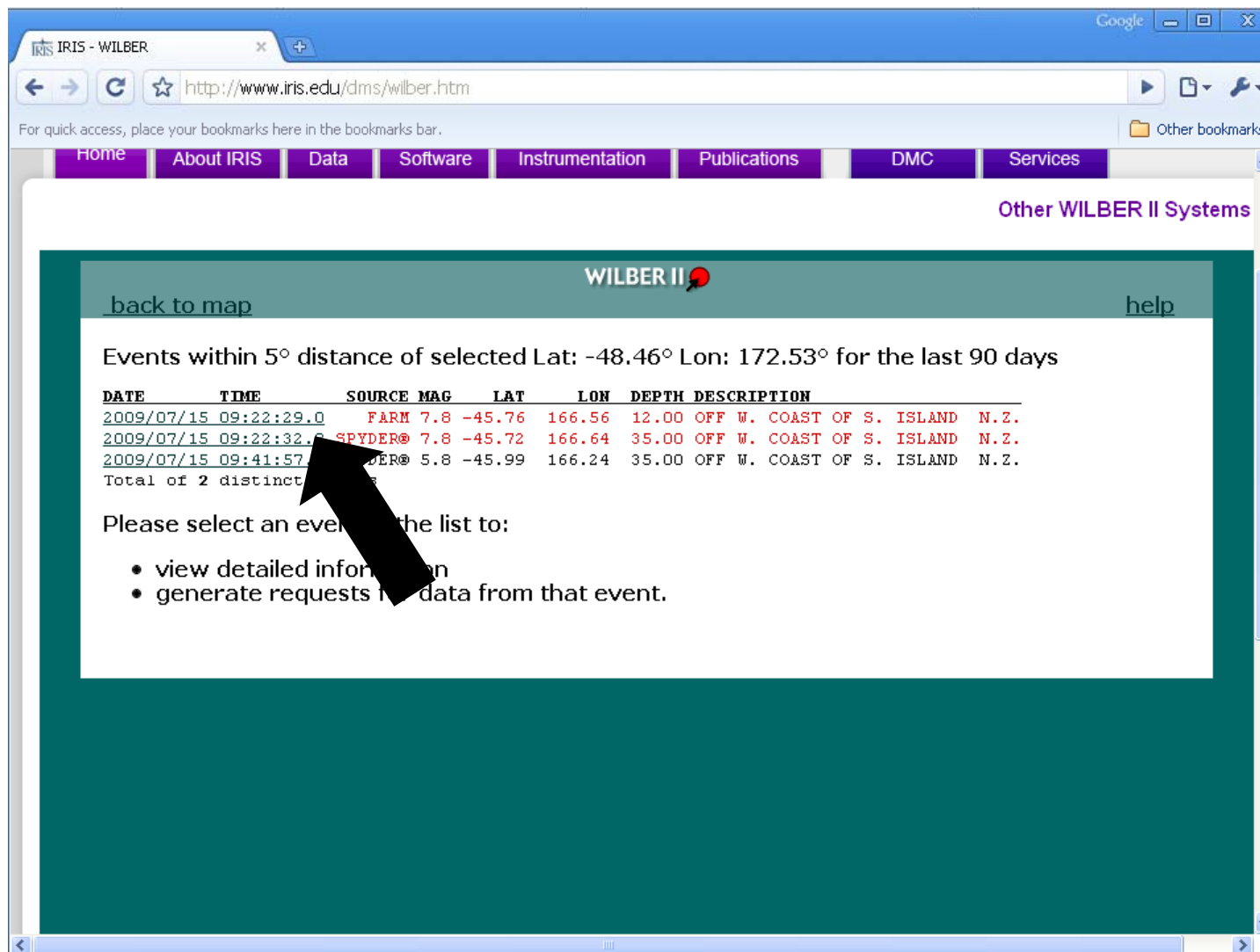
Click on: "WILBUR II"



Select a Date Range, a Selection Radius and an Approx. Location



...Then Select the Event from the list



The screenshot shows a web browser window with the URL <http://www.iris.edu/dms/wilber.htm>. The page features a navigation menu with links for Home, About IRIS, Data, Software, Instrumentation, Publications, DMC, and Services. The main content area is titled "Other WILBER II Systems" and contains a section for "WILBER II".

At the top of the WILBER II section, there are links for "back to map" and "help". Below these links, the text reads: "Events within 5° distance of selected Lat: -48.46° Lon: 172.53° for the last 90 days".

DATE	TIME	SOURCE	MAG	LAT	LOX	DEPTH	DESCRIPTION
2009/07/15	09:22:29.0	FARM	7.8	-45.76	166.56	12.00	OFF W. COAST OF S. ISLAND N.Z.
2009/07/15	09:22:32.0	SPYDER	7.8	-45.72	166.64	35.00	OFF W. COAST OF S. ISLAND N.Z.
2009/07/15	09:41:57.0	SPYDER	5.8	-45.99	166.24	35.00	OFF W. COAST OF S. ISLAND N.Z.

Total of 2 distinct events.

Please select an event from the list to:

- view detailed information on
- generate requests for data from that event.

A black arrow points to the first event in the table, specifically to the "DATE" and "TIME" columns.

Select Station Network(s) and Click on “Proceed” Button at Bottom

The screenshot shows a web browser window with the URL <http://www.iris.edu/dms/wilber.htm>. The page displays event information and a list of responding networks. A black arrow points to the 'AZ' checkbox, which is selected.

Event: 2009/07/15 09:22:32.8
Catalog: NEICALRT Mag: 7.8 Type: MW Contributor: NEIC
Lat: -45.72 Lon: 166.64 Depth: 35.00
Description: OFF W. COAST OF S. ISLAND, N.Z. Source: SPYDER®

Responding Networks

Network	Stations
<input type="checkbox"/> SELECT ALL	
<input type="checkbox"/> AK Alaska Regional Network	21
<input type="checkbox"/> AT Alaska Tsunami Warning Seismic System	10
<input type="checkbox"/> AU Geoscience Australia	78
<input type="checkbox"/> AV Alaska Volcano Observatory (AVO)	9
<input checked="" type="checkbox"/> AZ ANZA Regional Network	15
<input type="checkbox"/> University of Dhaka Seismographic Network-Bangladesh	1
<input type="checkbox"/> Berkeley Digital Seismograph Network (BDSN)	4
<input type="checkbox"/> Cascade Chain Volcano Monitoring	5
<input type="checkbox"/> CE Switzerland Seismological Network	2
<input type="checkbox"/> CI [unclear] Regional Seismic Network	57
<input type="checkbox"/> CN Canadian National Seismograph Network (CNSN)	2

Select "Good Only" Signal-to-Noise Ratio (SNR)

The screenshot shows the IRIS Data Management Center interface. The page title is "IRIS - WILBER" and the URL is "http://www.iris.edu/dms/wilber.htm". The page features a navigation menu with buttons for Home, About IRIS, Data, Software, Instrumentation, Publications, DMC, and Services. Below the navigation menu, there is a section titled "Other WILBER II Systems" which contains a list of stations with their coordinates and SNR values. A search filter panel is visible on the left side of the page, with a black arrow pointing to the "good only" option in the SNR dropdown menu.

IRIS
Incorporated Research Institutions for Seismology

Contact Staff Employment Sitemap Search

Data Management Center

Home About IRIS Data Software Instrumentation Publications DMC Services

Other WILBER II Systems

LHZ

DISTANCE
from 0 to 180 deg

AZIMUTH
from 0 to 360 deg

SNR
-1 = not avail good any good only
0 = error >1.5 = good

DISTRIBUTION
about every 2

Apply Filter Reset

selected

Station	Coordinates	SNR
<input checked="" type="checkbox"/> LVA2.AZ	(104.87°/57°)	.78
<input checked="" type="checkbox"/> RDM.AZ	(104.89°/57°)	.65
<input checked="" type="checkbox"/> BZN.AZ	(104.90°/57°)	.8
<input checked="" type="checkbox"/> CRY.AZ	(104.91°/57°)	.8
<input checked="" type="checkbox"/> FRD.AZ	(104.94°/57°)	.81
<input checked="" type="checkbox"/> WMC.AZ	(104.96°/57°)	.64
<input checked="" type="checkbox"/> SND.AZ	(104.98°/57°)	.58
<input checked="" type="checkbox"/> KNW.AZ	(105.03°/57°)	1.3
<input checked="" type="checkbox"/> TRO.AZ	(105.07°/57°)	1.45
<input checked="" type="checkbox"/> PFO.AZ	(105.11°/57°)	1.12

[REQUEST DATA Below](#)

[Return to top of page](#)

Click on: "Apply Filter"

IRIS - WILBER

http://www.iris.edu/dms/wilber.htm

For quick access, place your bookmarks here in the bookmarks bar.

Catalog: **NEUCALK1** Contributor: **NEUC** Source: **SPIDER**

FILTER BY:

NETWORK
ALL
AZ

CHANNEL
BHN
BHZ
LHE
LHN
LHZ

DISTANCE
from 0
to 180 deg

AZIMUTH
from 0
to 360 deg

SNR
-1 = not avail
good
0 = error
>1.5=good

DISTRIBUTE
about every 2 deg

15 Responding Stations
name.net (distance/azimuth/snr)

Clear All Check All

<input checked="" type="checkbox"/>	SOL.AZ	(104.10°/57°/1.52)
<input type="checkbox"/>	CPE.AZ	(104.22°/57°/1.33)
<input type="checkbox"/>	HWB.AZ	(104.40°/57°/1.18)
<input type="checkbox"/>	SMER.AZ	(104.58°/57°/.99)
<input checked="" type="checkbox"/>	MONP2.AZ	(104.62°/57°/1.97)
<input type="checkbox"/>	LVA2.AZ	(104.87°/57°/.78)
<input type="checkbox"/>	RDM.AZ	(104.89°/57°/.65)
<input type="checkbox"/>	BZN.AZ	(104.90°/57°/.8)
<input type="checkbox"/>	CRY.AZ	(104.91°/57°/.8)
<input type="checkbox"/>	FRD.AZ	(104.94°/57°/.81)
<input type="checkbox"/>	WMC.AZ	(104.96°/57°/.64)
<input type="checkbox"/>	SND.AZ	(104.98°/57°/.58)
<input type="checkbox"/>	KNW.AZ	(105.03°/57°/1.3)
<input type="checkbox"/>	TRO.AZ	(105.07°/57°/1.45)
<input type="checkbox"/>	PFO.AZ	(105.11°/57°/1.12)

[Return to top of page](#)

TOOLS:

SORT BY
Distance

STATION MAP
Plot

RECORD SECTION
Plot

REQUEST DATA
[Below](#)

Apply Filter Reset

At Bottom, Select file format

1. Select NETWORK(s), CHANNEL(s) and station checkboxes to compose your data request.

Use [Apply Filter](#) button to verify data availability and to select by distance, azimuth, signal quality and interval ranges.
Click on the underlined station names to view sample seismograms and station detail.
Change the sorting order of the list using the SORT BY popup.
RESPONDING STATIONS map currently shows all stations.
RECORD SECTION plot operates on the currently selected stations and the selected channel.
Note that Javascript must be enabled for WILBER to work.

2. Select data format, time window and user identification here:

Available Data Formats

- SEED (default)
- miniSEED
- SAC BINARY individual files**
- SAC BINARY tar file
- SAC BINARY gzipped tar file
- SAC BINARY compressed tar file
- SAC ASCII individual files
- SAC ASCII tar file
- SAC ASCII gzipped tar file
- SAC ASCII compressed tar file

Data formats [help](#)

Time Window Data

2 (default)

1

3

4

minutes before P

and

10 (default)

20

30

40

minutes after P

Personal Information

User Name*

Request Label*

Email Address

Notify me through email when complete

* = required fields

For small number of SAC files, "individual files" is OK.

Not recommended for a large number of files.

Select Timing Parameters

1. Select NETWORK(s), CHANNEL(s) and station checkboxes to compose your data request.

Use [Apply Filter](#) button to verify data availability and to select by distance, azimuth, signal quality and interval ranges.
Click on the underlined station names to view sample seismograms and station detail.
Change the sorting order of the list using the SORT BY popup.
RESPONDING STATIONS map currently shows all stations.
RECORD SECTION plot operates on the currently selected stations and the selected channel.
Note that Javascript must be enabled for WILBER to work.

2. Select data format, time window and user identification here:

Available Data Formats

- SEED (default)
- miniSEED
- SAC BINARY individual files
- SAC BINARY tar file
- SAC BINARY gzipped tar file
- SAC BINARY compressed tar file
- SAC ASCII individual files
- SAC ASCII tar file
- SAC ASCII gzipped tar file
- SAC ASCII compressed tar file

Data formats [help](#)

Time Window Data

- 2 (default)
- 1
- 3
- 4

minutes before
and
10 (default)

- 20
- 30
- 40

minutes after

Personal Information

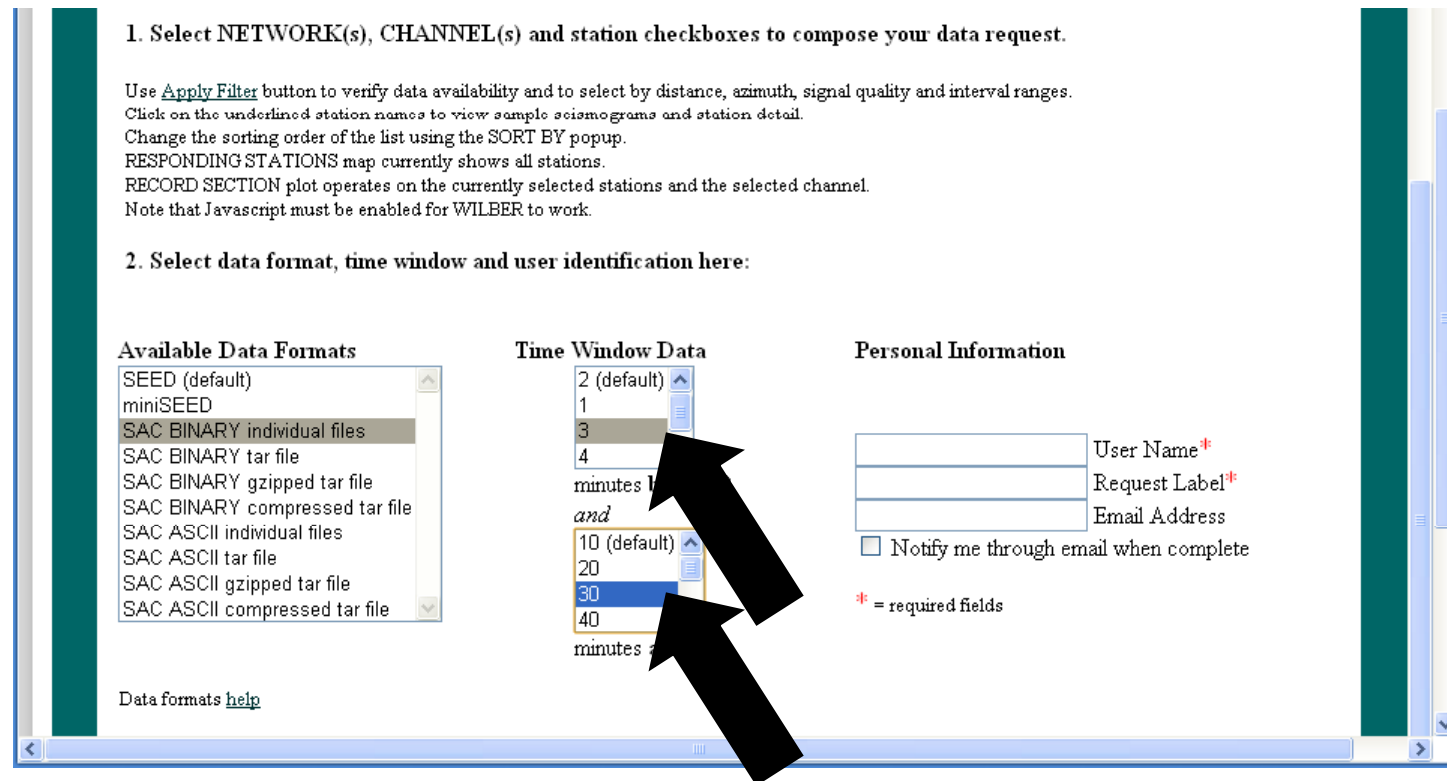
User Name[†]

Request Label[†]

Email Address

Notify me through email when complete

[†] = required fields



Depending on what seismic phases you are interested in (i.e. PP, pP, PcP, PKIKP, etc.) you may want to increase timing parameters from the DEFAULT values.

Fill out username (i.e. egrant005) and the request label (i.e. EQname EQsize)

The screenshot shows the IRIS - WILBER web interface. At the top, there are navigation buttons: "Apply Filter" and "Reset". Below them, a status bar indicates "2 selected". The main content area contains instructions for selecting networks, channels, and stations, and for choosing data format, time window, and user identification.

1. Select NETWORK(s), CHANNEL(s) and station checkboxes to compose your data request.

Use [Apply Filter](#) button to verify data availability and to select by distance, azimuth, signal quality and interval ranges.
Click on the underlined station names to view sample seismograms and station detail.
Change the sorting order of the list using the SORT BY popup.
RESPONDING STATIONS map currently shows all stations.
RECORD SECTION plot operates on the currently selected stations and the selected channel.
Note that Javascript must be enabled for WILBER to work.

2. Select data format, time window and user identification here:

Available Data Formats

- SEED (default)
- miniSEED
- SAC BINARY individual files
- SAC BINARY tar file
- SAC BINARY gzipped tar file
- SAC BINARY compressed tar file
- SAC ASCII individual files
- SAC ASCII tar file
- SAC ASCII gzipped tar file
- SAC ASCII compressed tar file

Time Window Data

2 (default) [up/down arrows]
1 [up/down arrows]
3 [up/down arrows]
4 [up/down arrows]

minutes before P
and
10 (default) [up/down arrows]
20 [up/down arrows]
30 [up/down arrows]
40 [up/down arrows]

minutes after P

Personal Information

egrant005 User Name*
NewZealand_M7.8_AZ Request Label*
[] Email Address
 Notify me through email when complete

* = required fields

Data formats [help](#)

Click on “Process Request”

The screenshot shows a web browser window with the URL <http://www.iris.edu/dms/wilber.htm>. The page content includes:

- A note: "Note that Javascript must be enabled for WILBER to work."
- Section 2: "2. Select data format, time window and user identification here:"
- Available Data Formats**: A list of options including SEED (default), miniSEED, SAC BINARY individual files (highlighted), SAC BINARY tar file, SAC BINARY gzipped tar file, SAC BINARY compressed tar file, SAC ASCII individual files, SAC ASCII tar file, SAC ASCII gzipped tar file, and SAC ASCII compressed tar file.
- Time Window Data**: Two dropdown menus. The first is labeled "minutes before P" and has options 2 (default), 1, 3 (highlighted), and 4. The second is labeled "minutes after P" and has options 10 (default), 20, 30 (highlighted), and 40.
- Personal Information**: Three input fields: "User Name*" (containing "egrant005"), "Request Label*" (containing "NewZealand_M7.8_AZ"), and "Email Address". Below these is a checkbox for "Notify me through email when complete". A legend indicates "* = required fields".
- A "Process Request" button is highlighted with a yellow border and a large black arrow pointing to it.
- Section 3: "3. Click button to process request."

The footer contains navigation links (Home, About IRIS, Programs, Data, Software, Instrumentation, Publications, Staff, Employment, Sitemap, Contact), the IRIS logo, copyright information (© 2009 IRIS - Incorporated Research Institutions for Seismology), and a link to "Submit changes, questions, or comments related to this page." It also features the logo of the National Science Foundation with the text "Sponsored by the National Science Foundation".

Leave Webpage Open and Wait...

The screenshot shows a web browser window with the address bar containing `http://www.iris.edu/dms/wilber.htm`. The page title is "WILBER II" and the main heading is "WILBER PROCESSING QUEUE". Below the heading is a note: "(users requesting more data get lesser priority)".

#	ID	USERNAME	LABEL	EVENT	PRODUCT	LINES	MINUTES
1	27787	egrant005	NewZealand_M7_8_	20090715_092232.8.spyder	SAC	6	0

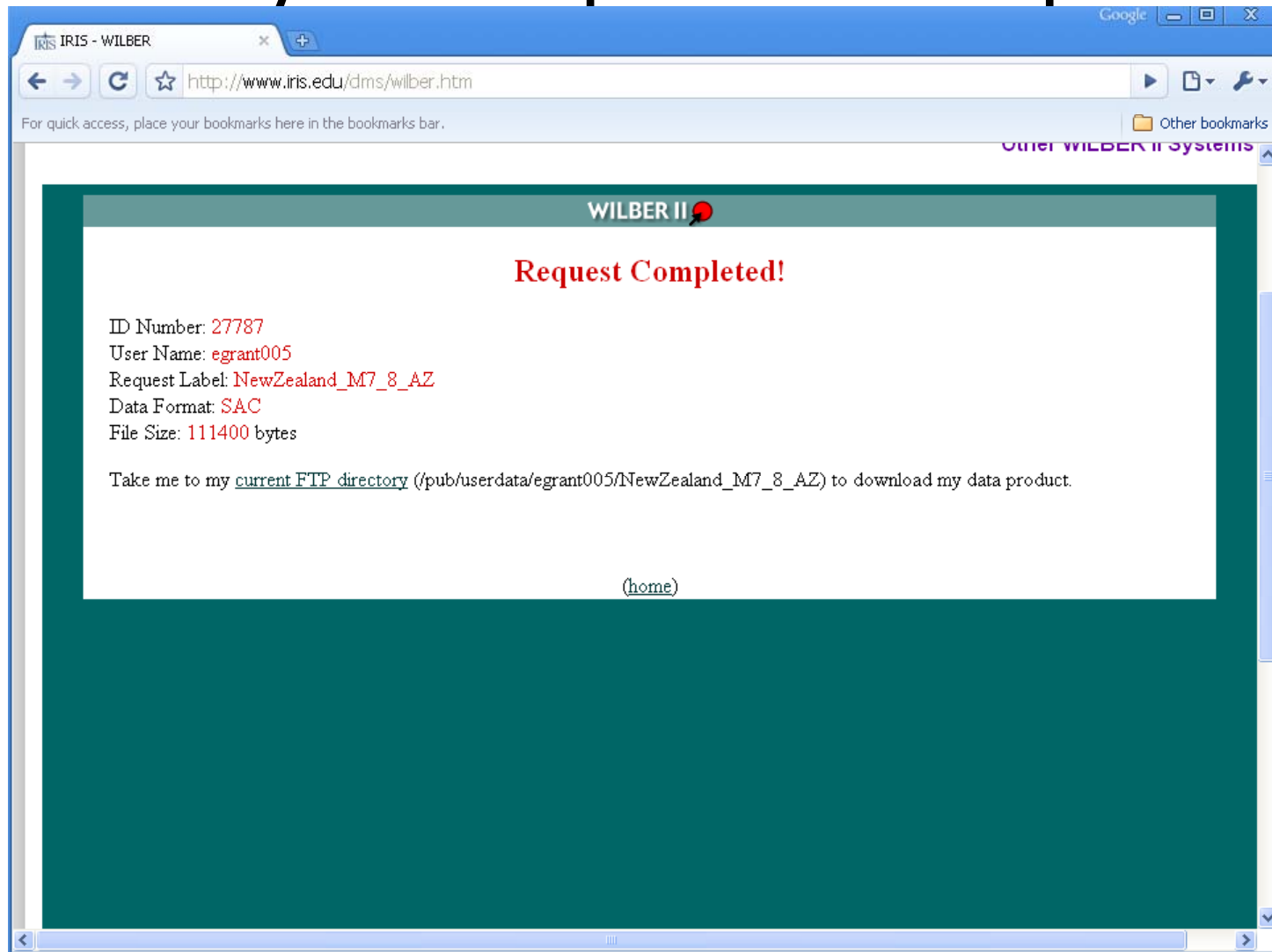
Request Description:
ID Number: 27787
User Name: egrant005
Request Label: NewZealand_M7_8_AZ
Data Format: SAC
Stations: SOL.AZ MONP2.AZ
Channels: LHE LHN LHZ
Time Window: 3 minutes before P and 30 minutes after P

[Show me the request I have submitted](#)

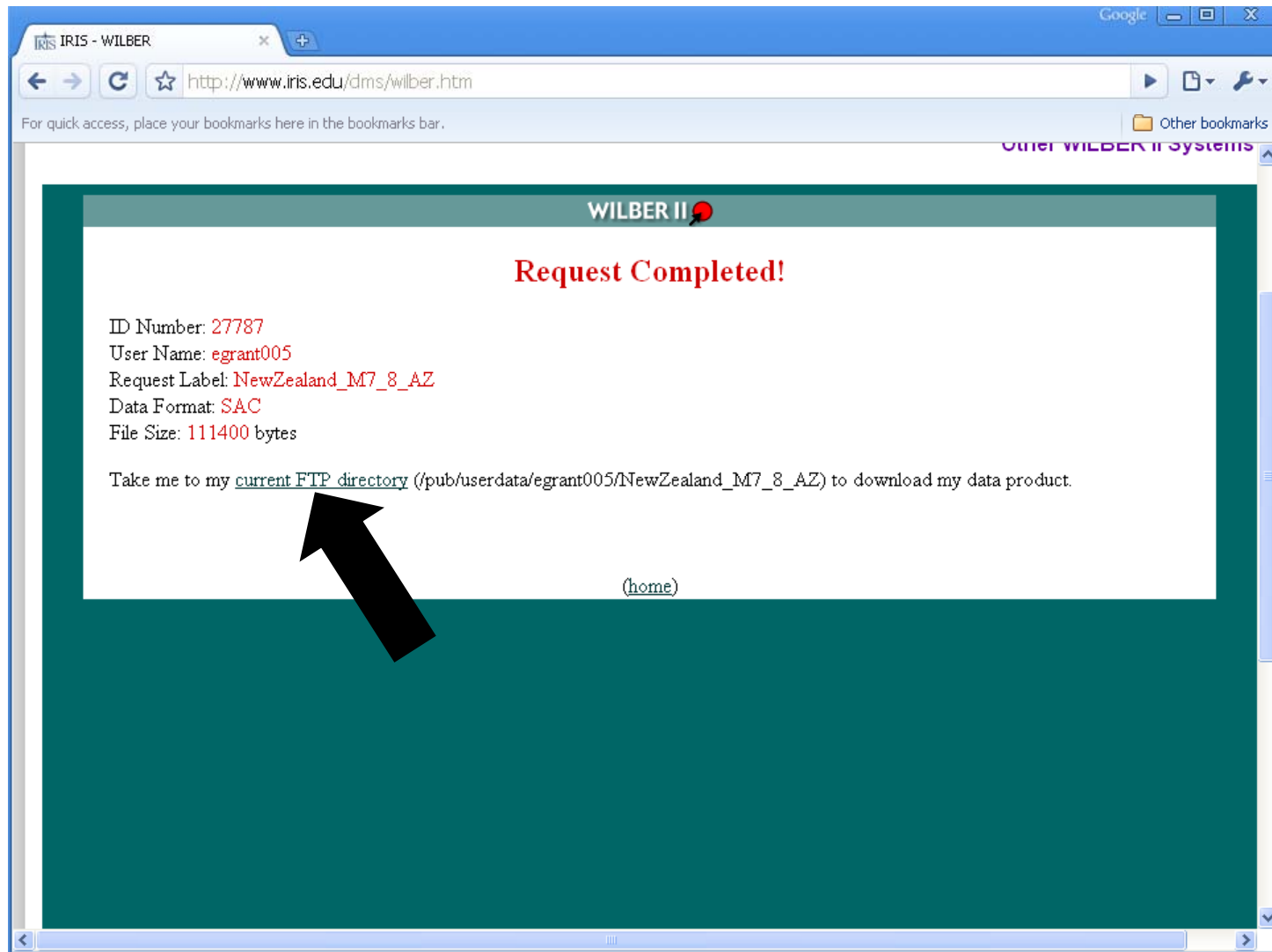
[\(home\)](#)

The browser's status bar at the bottom shows the URL: `http://www.iris.edu/cgi-bin/wilberII/wilberII_page1.pl`

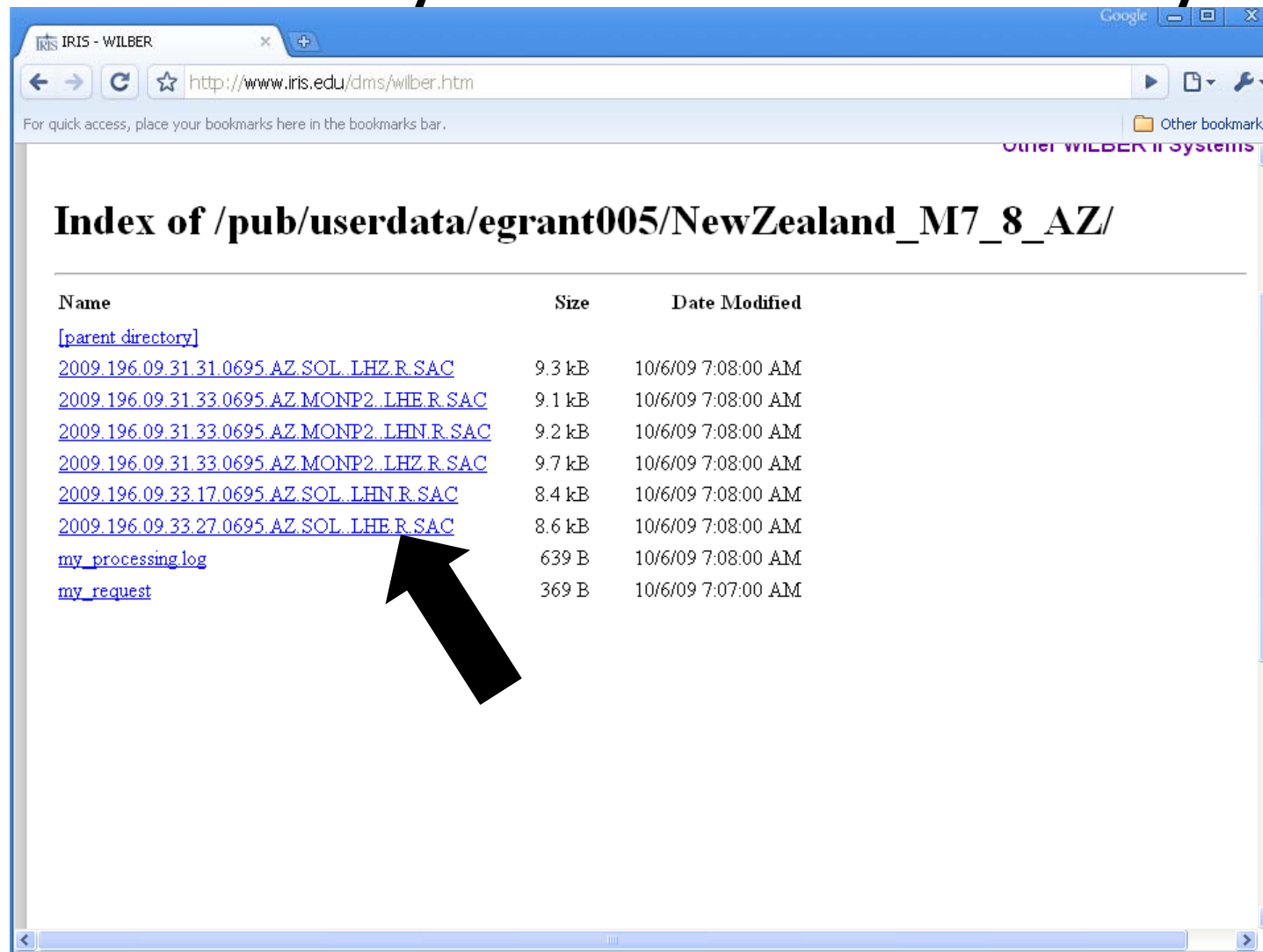
Eventually the Webpage will tell you that your Request is Complete



Click on: “current FTP directory”



Click on link to SAC file(s) and Save in your HOME directory



The screenshot shows a web browser window with the address bar displaying <http://www.iris.edu/dms/wilber.htm>. The page title is "Index of /pub/userdata/egrant005/NewZealand_M7_8_AZ/". The page content is a directory listing table with three columns: Name, Size, and Date Modified. A black arrow points to the link "2009.196.09.33.27.0695.AZ.SOL.LHE.R.SAC" in the Name column.

Name	Size	Date Modified
[parent directory]		
2009.196.09.31.31.0695.AZ.SOL.LHZ.R.SAC	9.3 kB	10/6/09 7:08:00 AM
2009.196.09.31.33.0695.AZ.MONP2.LHE.R.SAC	9.1 kB	10/6/09 7:08:00 AM
2009.196.09.31.33.0695.AZ.MONP2.LHN.R.SAC	9.2 kB	10/6/09 7:08:00 AM
2009.196.09.31.33.0695.AZ.MONP2.LHZ.R.SAC	9.7 kB	10/6/09 7:08:00 AM
2009.196.09.33.17.0695.AZ.SOL.LHN.R.SAC	8.4 kB	10/6/09 7:08:00 AM
2009.196.09.33.27.0695.AZ.SOL.LHE.R.SAC	8.6 kB	10/6/09 7:08:00 AM
my_processing.log	639 B	10/6/09 7:08:00 AM
my_request	369 B	10/6/09 7:07:00 AM