



# **Transferindo Dados Brutos do Receptor GNSS FOIF A90 para o Computador**

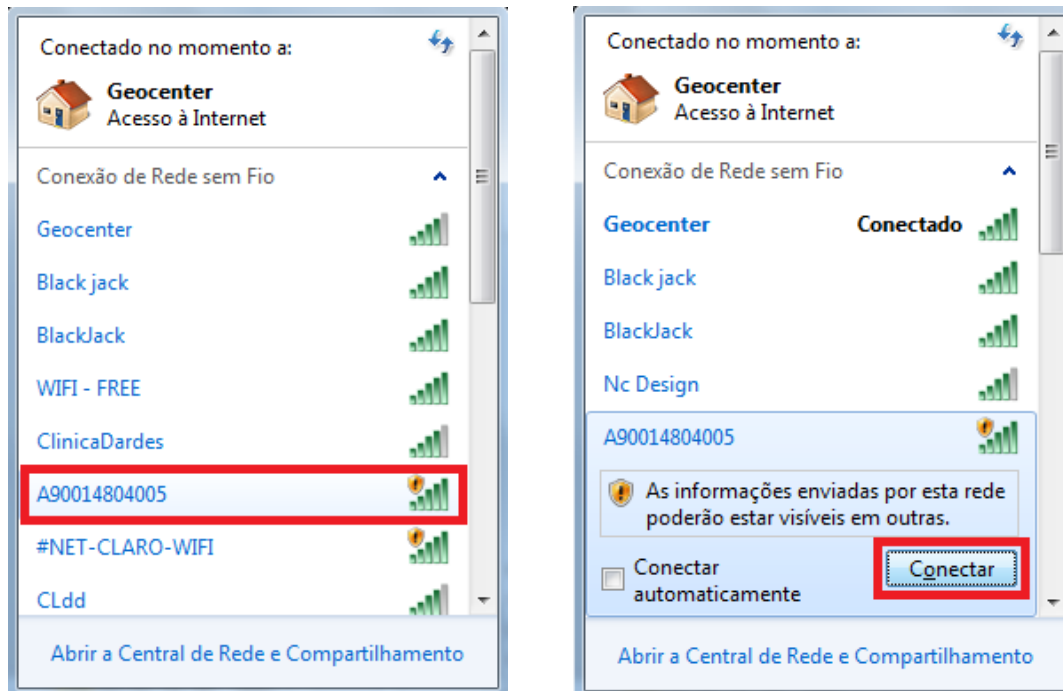
**Suporte Técnico**

**2018**

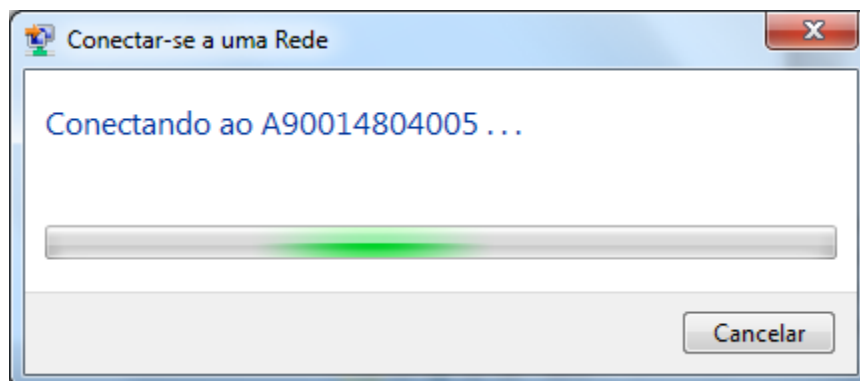
1 – Em seu computador, clique no ícone do Wi-Fi:



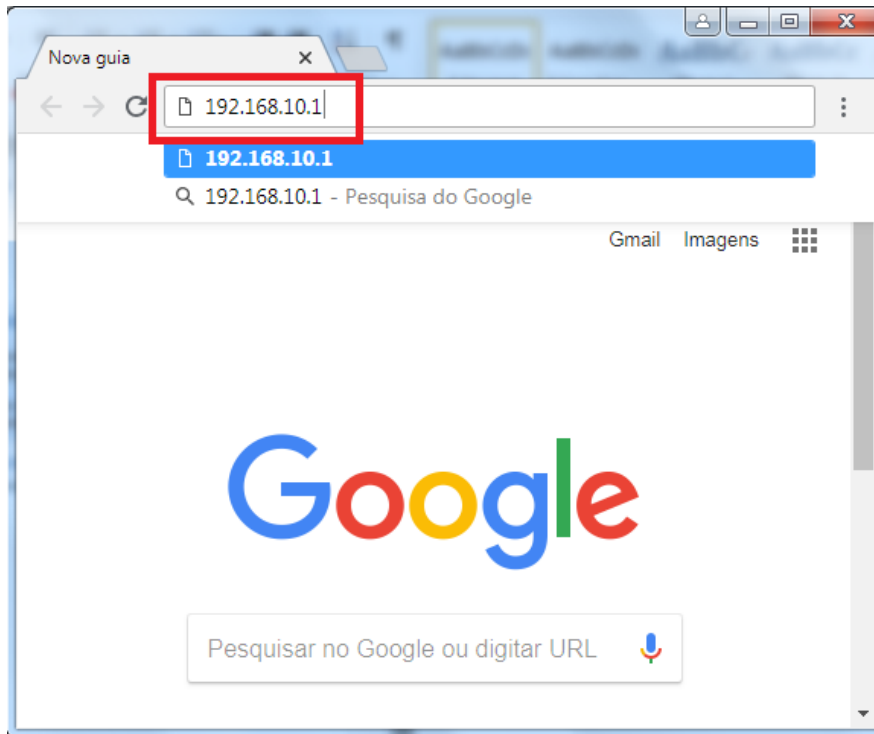
2 – O equipamento será localizado pelo “Número de Série”. Selecione-o e clique em “Conectar”:



3 – Caso o windows solicite uma “SENHA” para finalizar a conexão, digite a SENHA: 12345.

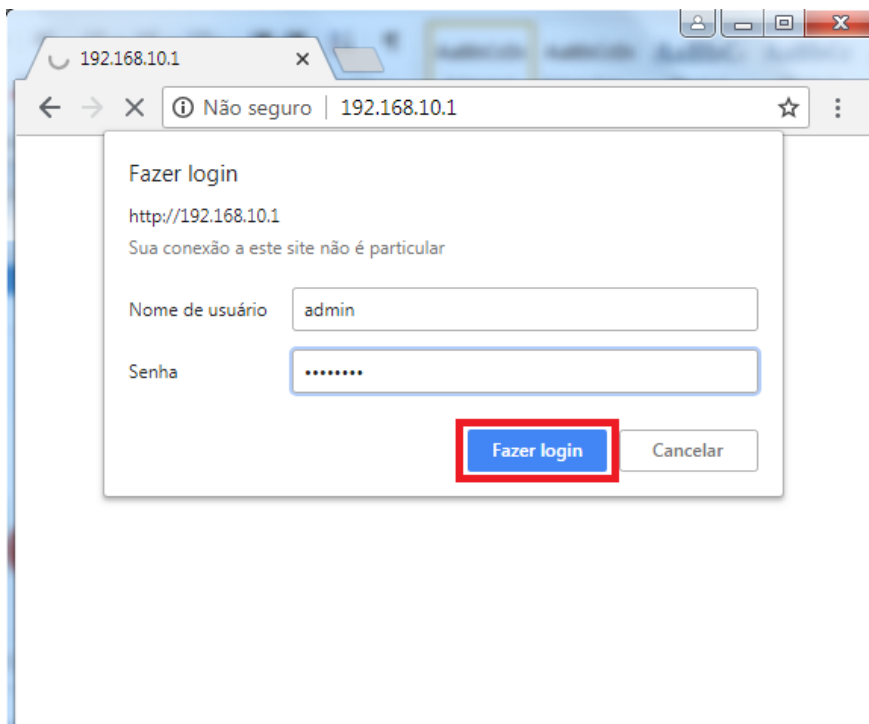


4 – Para acessar a Interface Web do Receptor, abra um navegador e digite o IP: **192.168.10.1**:



5 – Digite o “Nome de usuário” e “Senha” de acesso:

Nome de usuário: **admin** / Senha: **password**



6 – Quando a seguinte tela for apresentada, procure a opção **“Download”** que está localizada no lado esquerdo da tela e clique na opção **“Raw Data”**:

The screenshot shows a web interface for station A90 A90014804005. On the left side, there is a vertical menu with options: Working Mode, Satellite Settings, Device Configuration, NMEA Message, View Logs, Configuration Set, Download (with a dropdown arrow), Raw Data (circled in red), Backup Data, and Management (with an information icon). On the right side, there are statistics: HRMS: 2.449, VRMS: 4.906, Local Time: 2018-08-15 10:31:35, and UTC Time: 2018-08-15 13:31:35. The language is set to English.

7 – Procure o **Arquivo Bruto** que deseja transferir para o computador e marque a caixinha encontrada na coluna **“Select”**:

The screenshot shows the same interface as above, but with a table of data files. The table has columns: Select, Name, Size (MB), Antenna Height (m), Start Time, End Time, and Operation. The first row is selected, with its checkbox circled in red. The second row is not selected.

Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat	0.116	0.000	2018-07-04 21:28:20	2018-07-04 21:29:27	<a href="#">Convert</a> <a href="#">Download</a> <a href="#">Delete</a> <a href="#">Edit</a>
<input type="checkbox"/>	40051871.dat	0.016	0.000	2018-07-06 23:33:00	2018-07-06 23:33:04	<a href="#">Convert</a> <a href="#">Download</a> <a href="#">Delete</a> <a href="#">Edit</a>

8 – Com a caixinha marcada, clique na opção **“Convert”**. Esta opção irá permitir a conversão do Arquivo Bruto para o formato **RINEX**:

**A90 A90014804005** English

Status

Position

Datalink

Satellites

Information

Settings

Working Mode

Satellite Settings

Device Configuration

NMFA Message

Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat	0.116	0.000	2018-07-04 21:28:20	2018-07-04 21:29:27	<div style="border: 2px solid red; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div> <div style="margin-bottom: 5px;">Download</div> <div style="margin-bottom: 5px;">Delete</div> <div>Edit</div>
<input type="checkbox"/>	40051871.dat	0.016	0.000	2018-07-06 23:33:00	2018-07-06 23:33:04	<div style="margin-bottom: 5px;">Convert</div> <div style="margin-bottom: 5px;">Download</div> <div style="margin-bottom: 5px;">Delete</div> <div>Edit</div>

9 – A seguinte caixa será apresentada:

**A90 A90014804005** English

Status

Position

Datalink

Satellites

Information

Settings

Working Mode

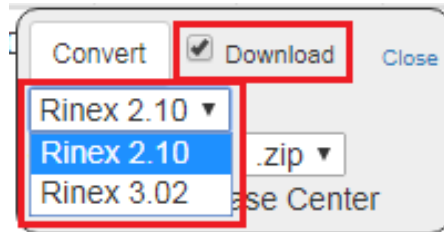
Satellite Settings

Device Configuration

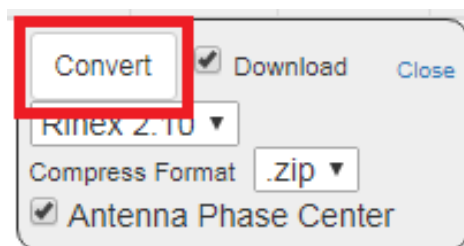
NMFA Message

Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat					<div style="border: 2px solid red; padding: 5px; display: inline-block; margin-bottom: 5px;">           Convert <input type="checkbox"/> Download <span style="float: right;">Close</span>            Rinex 2.10 ▾            Compress Format .zip ▾  <input checked="" type="checkbox"/> Antenna Phase Center         </div> <div style="margin-bottom: 5px;">Convert</div> <div style="margin-bottom: 5px;">Download</div> <div style="margin-bottom: 5px;">Delete</div> <div>Edit</div>
<input type="checkbox"/>	40051871.dat	0.016	0.000	2018-07-06 23:33:00	2018-07-06 23:33:04	<div style="margin-bottom: 5px;">Convert</div> <div style="margin-bottom: 5px;">Download</div> <div style="margin-bottom: 5px;">Delete</div> <div>Edit</div>

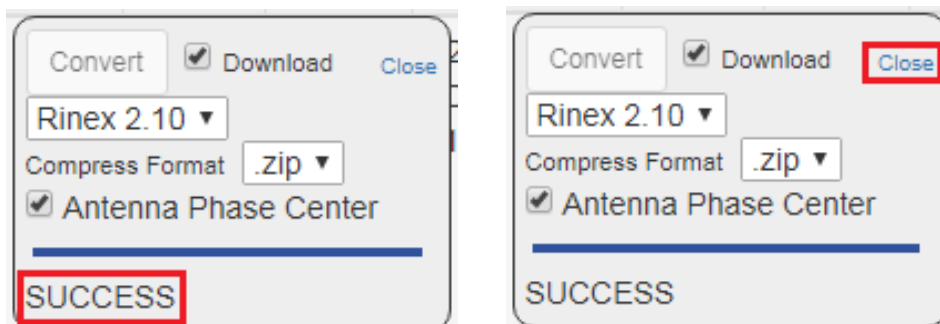
10 – Escolha a versão do **RINEX** que deseja utilizar e marque a opção **“Download”**. Geralmente utilizamos a versão **RINEX 2.10**:



11 – Clique na opção **“Convert”** para iniciar a conversão e download:



12 – Quando o processo for finalizado, será apresentada a palavra **“SUCESS”**, então clique em **“Close”** para fechar:



13 – Verifique se o **arquivo.ZIP** está visível na área de download do navegador:

**A90 A90014804005** English

Status

Position

Datalink

Satellites

Information

Settings

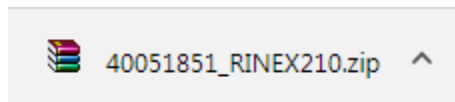
Working Mode

Satellite Settings

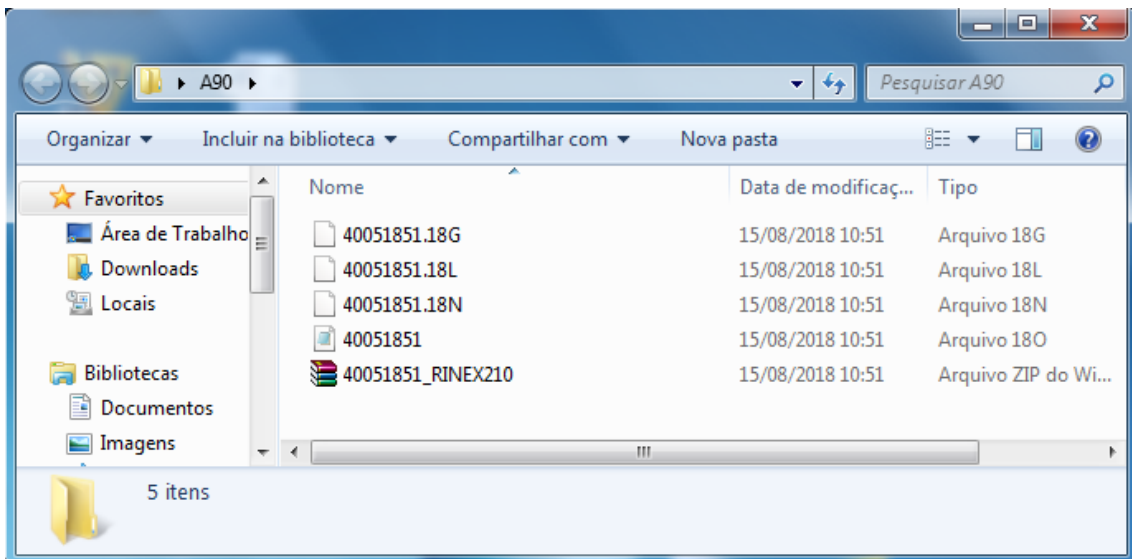
Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat	0.116	0.000	2018-07-04 21:28:20	2018-07-04 21:29:27	<a href="#">Convert</a> <a href="#">Download</a> <a href="#">Delete</a> <a href="#">Edit</a>
<input type="checkbox"/>	40051871.dat	0.016	0.000	2018-07-06 23:33:00	2018-07-06 23:33:04	<a href="#">Convert</a> <a href="#">Download</a> <a href="#">Delete</a>

40051851\_RINEX210.zip Exibir todos

14 – Copie o arquivo para uma pasta conhecida:



15 – Descompacte o arquivo e estará pronto para realizar o processamento:



16 – Caso deseje fazer o download de vários arquivos de uma só vez, primeiro teremos que clicar na opção **“Convert”** de cada arquivo que desejamos utilizar:

A90 A90014804005 English

Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat	0.116	0.000	2018-07-04 21:28:20	2018-07-04 21:29:27	<div style="border: 2px solid red; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Download</div> <div style="display: inline-block; margin-right: 10px;"> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Delete</div> <div style="background-color: #FF9800; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Edit</div> </div>
<input checked="" type="checkbox"/>	40051872.dat	0.031	0.000	2018-07-06 23:33:19	2018-07-06 23:33:39	<div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Download</div> <div style="display: inline-block; margin-right: 10px;"> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Delete</div> <div style="background-color: #FF9800; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Edit</div> </div>

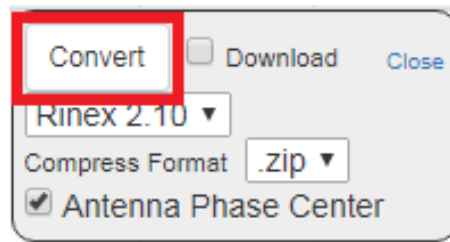
17 – A seguinte caixa será apresentada:

A90 A90014804005 English

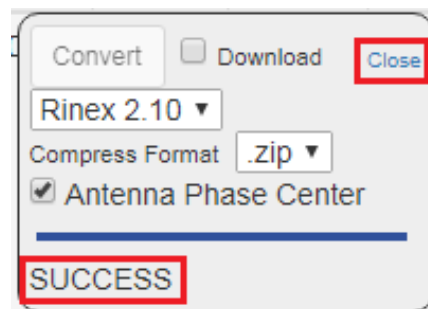
Select	Name	Size (MB)	Antenna Height (m)	Start Time	End Time	Operation
<input checked="" type="checkbox"/>	40051851.dat	0.116				<div style="border: 2px solid red; padding: 5px; display: inline-block; margin-bottom: 5px;"> <input type="button" value="Convert"/> <input type="checkbox"/> Download <span style="float: right; font-size: small;">Close</span>            Rinex 2.10 ▾            Compress Format <input type="text" value=".zip"/> ▾  <input checked="" type="checkbox"/> Antenna Phase Center         </div> <div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Download</div> <div style="display: inline-block; margin-right: 10px;"> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Delete</div> <div style="background-color: #FF9800; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Edit</div> </div>
<input checked="" type="checkbox"/>	40051871.dat	0.016	0.000	2018-07-06 23:33:00	2018-07-06 23:33:04	<div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Download</div> <div style="display: inline-block; margin-right: 10px;"> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Delete</div> <div style="background-color: #FF9800; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Edit</div> </div>
<input checked="" type="checkbox"/>	40051872.dat	0.031	0.000	2018-07-06	2018-07-06	<div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Convert</div>



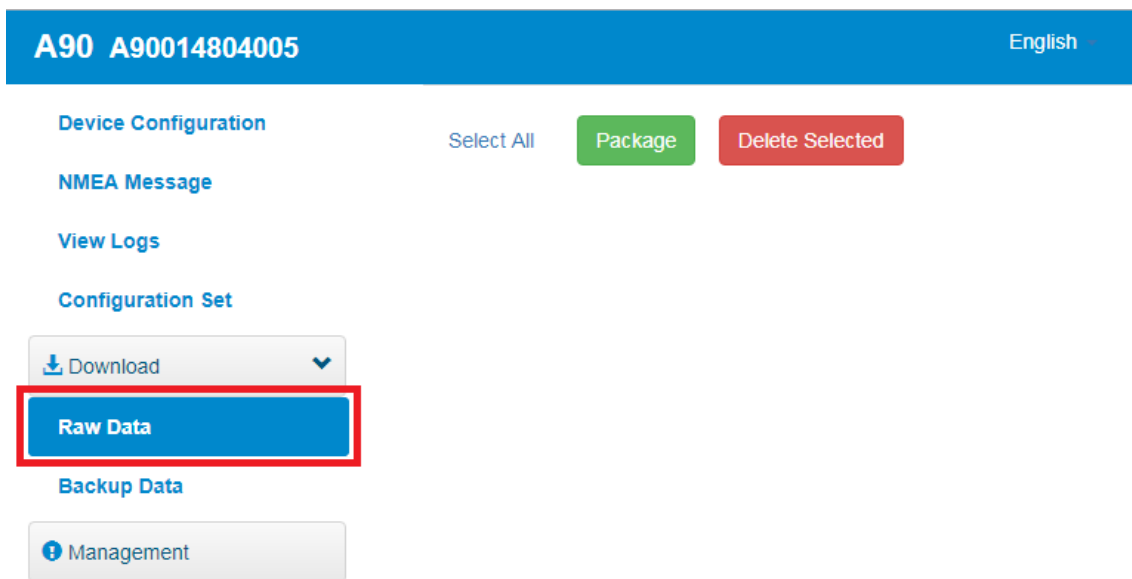
18 – Clique na opção **“Convert”** para iniciar a conversão:



19 – Quando o processo for finalizado, será apresentada a palavra **“SUCESS”**, então clique em **“Close”** para fechar:



20 – Clique novamente na opção **“Raw Data”** para atualizar a página e apresentar os arquivos **RINEX** convertidos:



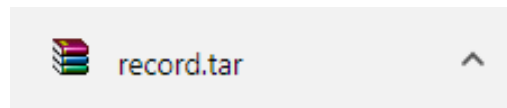
20 – Marque a caixinha dos arquivos de formato.ZIP (Que são os arquivos convertidos em RINEX) e clique em **“Package”** para realizar o download de todos:

The screenshot shows a web interface for file management. At the top, there is a blue header with 'A90 A90014804005' and 'English'. Below the header is a table with columns for file name, size, and other metadata. The first row is '40051874\_RINEX210.zip' (0.051) and the third row is '40051921\_RINEX210.zip' (0.088). Both are checked. The middle row is '40051921.dat' (0.252, 2.000) with dates '2018-07-11 03:46:38' and '2018-07-11 03:50:48'. Action buttons like 'Download', 'Delete', 'Convert', and 'Edit' are visible for each row. At the bottom, there are buttons for 'Select All', 'Package' (highlighted with a red box), and 'Delete Selected'.

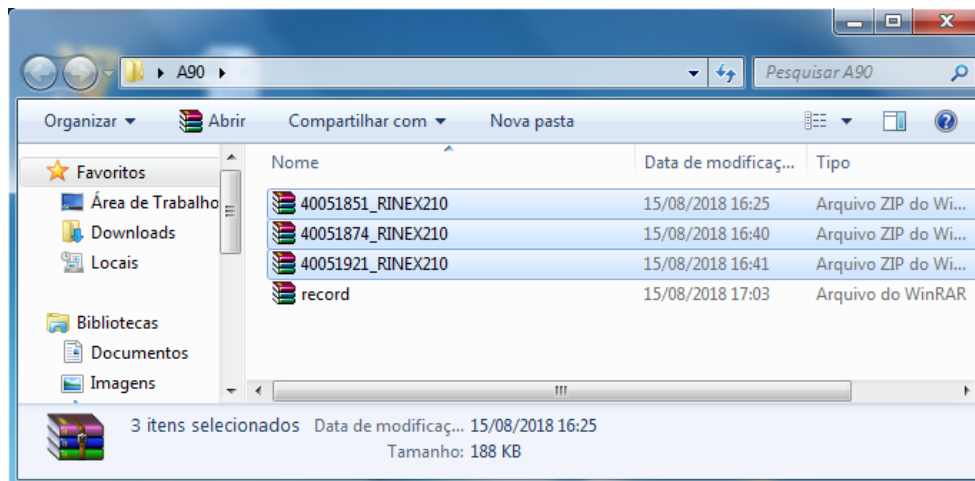
21 – Verifique se o **arquivo.ZIP** está visível na área de download do navegador:

This screenshot is similar to the previous one, showing the same file management interface. The 'record.tar' file is now visible in a download bar at the bottom, highlighted with a red box. The bar also shows a folder icon, the text 'record.tar', and an upward arrow. To the right of the bar is a button labeled 'Exibir todos'.

22 – Copie o arquivo para uma pasta conhecida:



23 – Descompacte o arquivo “Record”:



24 – Descompacte os arquivos.ZIP que contem os Dados Brutos convertidos e estará pronto para realizar o processamento:

