

Banner 9

TSPLOAD – Load Charges and Payment Process

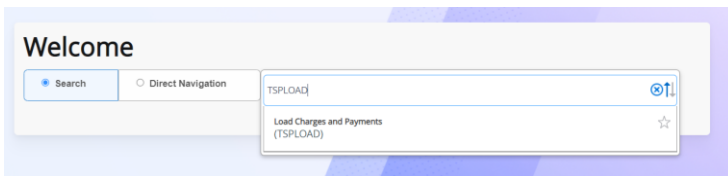
In Process Submission select **Go** The TSPLOAD process was delivered in Banner Accounts Receivable 8.8/9.3.18 and modified in 8.8.2/9.3.20 to add Transaction Date to the input values. As of Banner Accounts Receivable 8.8.4 / 9.3.22, this process now **allows for import of student charges and payments** to TBRACCD and was renamed to 'Load Charges and Payments'.

TSPLOAD uses a file to “Load Charges and Payments” into Banner. To create your file; look at the File Specifications listed below on Page 5.

Additional Information for TSPLOAD – Load Charges and Payment Process

- In Update mode, Banner rolls back all charges and payment if there are any errors.
- In Update mode, if the file passes all validations, Banner deletes the input file on the jobsub server.
- Whole dollar amounts must have 00 at the end
- Once it is loaded, it is loaded. Make sure your file and parameters are correct before running.

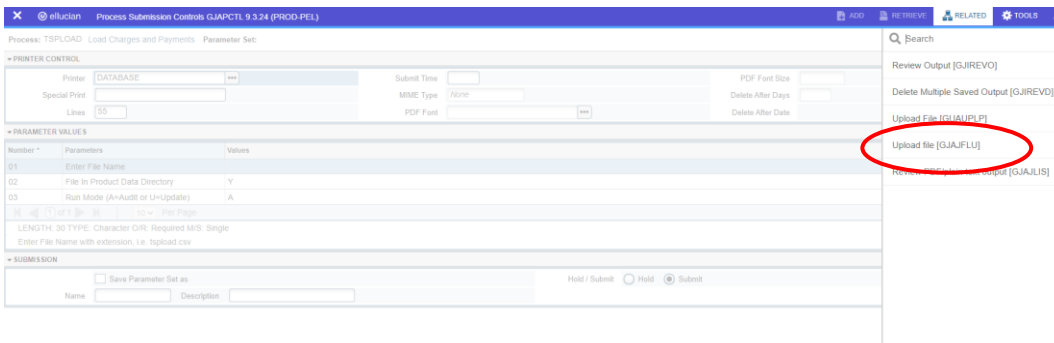
On the landing page enter TSPLOAD, then press enter.



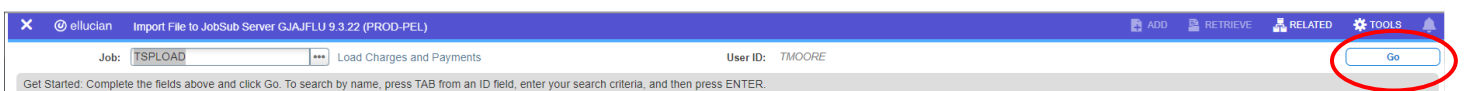
Then select the Go Button



Once the page is loaded click on the RELATED tab and then selected Upload file [GJAJFLU]



The Job TSPLOAD will appear. Click GO



You will see the IMPORT FILE TO JOB SUBMISSION form. If you have not loaded any files you will simple click on the Select File tab. If you have uploaded files you will need to select the Insert Button.

Find the .csv file that you want to import. **Look to see if the Save in Product Data Home Directory box is checked. You will need to know that when you upload your file.** Then select the Save button at the bottom.

Job: TSPLOAD Load Charges and Payments User ID: TMOORE

IMPORT FILE TO JOB SUBMISSION

Job * TSPLOAD ***

One Up No 1694535

File Name * Select File Multiple Files Selected Prefix for File Names

Download File

Save as File Name Other Imports with Save as File Name

Save in Product Data Home Directory

Delete After Days 999 Delete After Date 01/20/2026

Create User and TMOORE 04/27/2023 09:47:46 AM

Date

File Path

1 of 12 Per Page

You will see the Saved successfully (1 rows saved) message if the file was uploaded successfully. Also, you will see the File Path the file was saved to at the bottom.

Job: TSPLOAD Load Charges and Payments

IMPORT FILE TO JOB SUBMISSION

Job TSPLOAD

One Up No 1694535

File Name TSPLOAD.csv Select File Multiple Files Selected Prefix for File Names

Download File

Save as File Name TSPLOAD.csv Other Imports with Save as File Name

Save in Product Data Home Directory

Delete After Days 999 Delete After Date 01/20/2026

Create User and TMOORE 04/27/2023 09:47:46 AM

Date

File Path /s02/s0sub/PROD/gup/csv/TSPLOAD.csv

1 of 12 Per Page

Recon

In the upper left click on the X to close the Import File. You should be back on the TSPLOAD form.

In the Printer Control Section – Enter Database

Alt Page Down to go to next section or click on the down arrow at the bottom of the page.

Enter your Parameter Values for TSPLOAD. Each Parameter is defined in red.

Process: TSPLOAD Load Charges and Payments Parameter Set:

PRINTER CONTROL

Printer DATABASE *** Submit Time PDF Font Size

Special Print MIME Type None Delete After Days

Lines 55 PDF Font *** Delete After Date

PARAMETER VALUES

Number *	Parameters	Values
01	Enter File Name	Enter the File Name ex: tspload.csv
02	File In Product Data Directory	Y Enter Y - On GJAJFLU, if 'Save In Product Data Home Directory' is checked when uploading the file, then select <u>Y</u> for Parameter 02 when running TSPLOAD. Or Enter N - On GJAJFLU, if 'Save In Product Data Home Directory' is unchecked when uploading the file, then select <u>N</u> for Parameter 02 when running TSPLOAD
03	Run Mode (A=Audit or U=Update)	A Always run in A (Audit Mode) first and verify your date. If correct, then run in U (Update Mode) and review your data.

LENGTH: 1 TYPE: Character O/R: Required M/S: Single
Enter Y if file is in the product data home directory (arsys).

SUBMISSION

Save Parameter Set as Hold / Submit Hold Submit

Name Description

Note: TSPLOAD Outputs

There will be a log and lis file. They are located in /u02/jobsub/PROD/gurjobs directory on your Banner box.

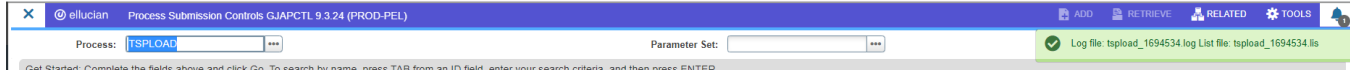
After you have entered your parameters **Alt Page Down** to go to next section or click on the down arrow at the bottom of the page.



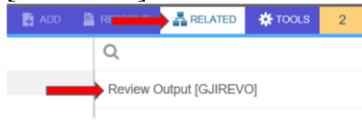
Press **F10** to save or select the **SAVE** button at the bottom right corner to run the process.



Once the process is run you will see informational message in the top right corner of your page. It will also identify the sequence number.

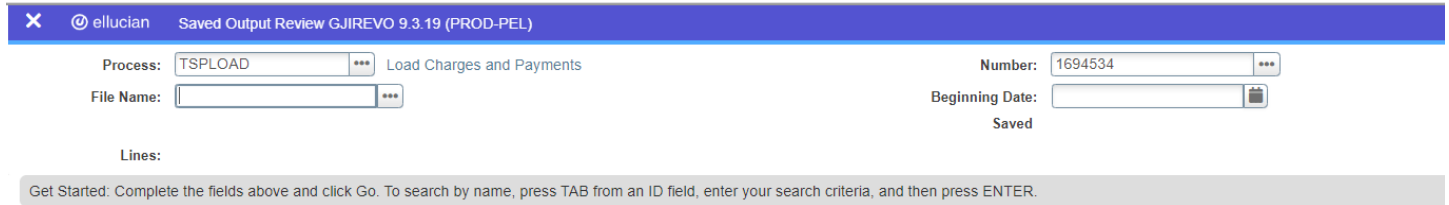


To view your .log and .lis file, click the **RELATED** tab at the top right of the page and then select **Review Output [GJIREVO]**

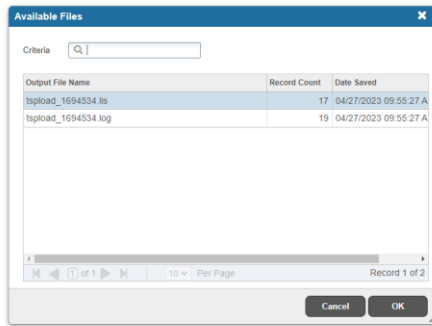


Click on the ... to view your .log or .lis file.

Your sequence number will be showing. (If the process is complete)



Below is sample output information of your .log, and .lis file.

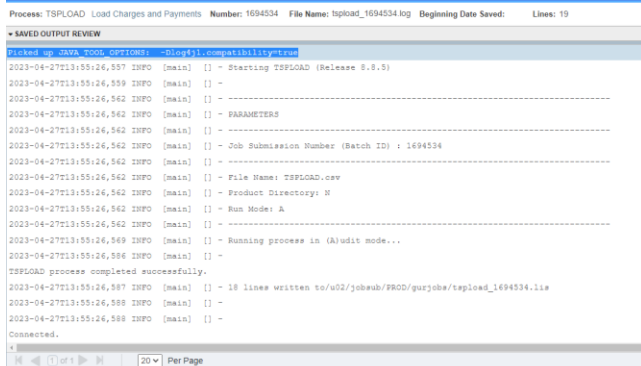


You will see your available files.

Select either your .log file or .lis file

Then click OK

This example shows TSPLOAD.log file in Audit Mode



To go back and look at the .log file, click the Start Over button on the top right hand corner of the page. You can select your lis file to review.

This example shows TSPLOAD.lis file in Audit Mode

Process: TSPLOAD Load Charges and Payments Number: 1694534 File Name: tspload_1694534.lis Beginning Date Saved: Lines: 17

SAVED OUTPUT REVIEW

TSPLOAD 8.8.5 TCSG Pelican System RUN DATE27-APR-2023
Load Charges and Payments RUN TIME01:55 PM

*** REPORT CONTROL INFORMATION ***

Parameter Name	Value
Parameter Seq No:	1694534
File Name:	TSPLOAD.csv
Product Directory:	N
Run Mode:	A
Total records:	5
Records passing validation:	5
Records with errors:	0

Connected.

4 of 1 Per Page

In this .lis file you will see the Total Records, Records passing validation and Records with errors. If you have Records with error you will need to verify you information you have in the .csv file.

This example shows TSPLOAD.log file in Update Mode

Process: TSPLOAD Load Charges and Payments Number: 1694537 File Name: tspload_1694537.log Beginning Date Saved: Lines: 19

SAVED OUTPUT REVIEW

```

Picked up JAVA_TOOL_OPTIONS =>log4j.compatibility=true
2023-04-27T14:03:43,358 INFO [main] [] - Starting TSPLOAD (Release 8.8.5)
2023-04-27T14:03:43,360 INFO [main] [] -
2023-04-27T14:03:43,363 INFO [main] [] -
2023-04-27T14:03:43,363 INFO [main] [] - PARAMETERS
2023-04-27T14:03:43,363 INFO [main] [] -
2023-04-27T14:03:43,363 INFO [main] [] - Job Submission Number (Batch ID) : 1694537
2023-04-27T14:03:43,363 INFO [main] [] -
2023-04-27T14:03:43,363 INFO [main] [] - File Name: TSPLOAD.csv
2023-04-27T14:03:43,363 INFO [main] [] - Product Directory: N
2023-04-27T14:03:43,364 INFO [main] [] - Run Mode: U
2023-04-27T14:03:43,364 INFO [main] [] -
2023-04-27T14:03:43,371 INFO [main] [] - Running process in (U)update mode...
2023-04-27T14:03:43,513 INFO [main] [] -
TSPLOAD process completed successfully.
2023-04-27T14:03:43,513 INFO [main] [] - 31 lines written to/u02/jobsub/PR02/gurjobs/tspload_1694537.lis
2023-04-27T14:03:43,513 INFO [main] [] -
2023-04-27T14:03:43,513 INFO [main] [] -
Connected.
    
```

4 of 1 Per Page

This example shows TSPLOAD.lis file in Update Mode

Process: TSPLOAD Load Charges and Payments Number: 1694537 File Name: tspload_1694537.lis Beginning Date Saved: Lines: 32

SAVED OUTPUT REVIEW

TSPLOAD 8.8.5 TCSG Pelican System RUN DATE27-APR-2023
Load Charges and Payments RUN TIME02:03 PM

Records inserted:

Banner ID	Transaction Number	Detail Code	Term Code	Source Code	Amount
910006337	198	INST	202212	T	30.00
910006513	304	INST	202212	T	30.00
910007382	247	INST	202212	T	30.00
910007436	267	INST	202212	T	30.00
910007563	109	INST	202212	T	30.00

Page1

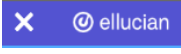
TSPLOAD 8.8.5 TCSG Pelican System RUN DATE27-APR-2023
Load Charges and Payments RUN TIME02:03 PM

*** REPORT CONTROL INFORMATION ***

Parameter Name	Value
----------------	-------

4 of 2 Per Page

NOTE: Once the file has been ran in Update Mode, you will want to review your data in TSAAREV to verify it is correct and you will see these transactions in your Cashier's Session.

If you click the X at the top left,  you will go back to Process Submission Control GJAPCTL – Process TSPLOAD.

File Specifications

Creating the file that will be upload and used in TSPLOAD.

The input file supports comma separated values in .csv or .txt formats. The file may contain a row with or without column headings.

The column headings are arranged from left to right in row one of the upload file.

When column headings exist in row 1 of the file, student records start in row two.

When column headings are included in the file, the labels need to match exactly to the labels noted below for each column.

When column headings do not exist in row 1 of the file, student records start in row one.

The file should be comma-separated with the following values:

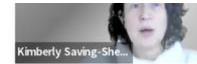
- Column 1 = Student ID
- Column 2 = Detail Code
- Column 3 = Term Code
- Column 4 = Source Code
- Column 5 = Amount (must be 10.2 decimal number, can be positive or negative)
- Column 6 = Entry Date (optional - defaults to current date) – Format (YYYY-MM-DD)
- Column 7 = Effective Date (optional - defaults to current date) – Format (YYYY-MM-DD)
- Column 8 = User ID (optional - defaults to user id of job submitter) – Value should be in All CAPS

- Column 9 = Transaction Date (optional) - If this field is null or empty, it will either default to the Effective Date if it's provided in the file, or to the current date.

Valid Date formats are:

- YYYY-MM-DD
- YYYY/MM/DD
- MM-DD-YYYY
- MM/DD/YYYY

Fields in yellow are required fields for the process.



	A	B	C	D	E	F	G	H	I
1	Student ID	Detail Code	Term Code	Source Code	Amount	Entry Date	Effective Date	User ID	Transaction Date
2									
3									
4									

- Column 6 = Entry Date (optional - defaults to current date) – Format (YYYY-MM-DD)
- Column 7 = Effective Date (optional - defaults to current date) – Format (YYYY-MM-DD)
- Column 8 = User ID (optional - defaults to user id of job submitter) – Value should be in All CAPS
- Column 9 = Transaction Date (optional) - If this field is null or empty, it will either default to the Effective Date if it's provided in the file, or to the current date.

The process provides validation for Student ID, Detail Code of Charge Type, Source Code, Amount Number format, Date Format, and User ID.

In the .csv file, each record set must be in one column. The file cannot have each data field in separate columns. **If the optional values are not being entered, a comma is needed for each field (Example: If no value is being entered for Column 6 – 9, there would be 4 commas at the end of each record).**

Sample record layout without the Optional values for Column 6 – 9: 11111111,LATE,202010,Z,50.00,,,

Sample record layout with Optional Values: 11111111,LATE,202010,Z,50.00,2021-04-30,2021-05-15,SAISUSR,2021-05-15

A sample file with column headings might look like the following .txt file.

A	B	C	D	E	F	G	H	I	J
Student ID	Detail Cod	Term Code	Source Co	Amount	Entry Date	Effective Date	User ID	Transaction Date	
910006337	LATE	202212 T		20	4/26/2023	4/26/2023	TMOORE	4/26/2023	
910006513	LATE	202212 T		20	4/26/2023	4/26/2023	TMOORE	4/26/2023	
910007382	LATE	202212 T		20	4/26/2023	4/26/2023	TMOORE	4/26/2023	
910007436	LATE	202212 T		20	4/26/2023	4/26/2023	TMOORE	4/26/2023	
910007563	LATE	202212 T		20	4/26/2023	4/26/2023	TMOORE	4/26/2023	

Make sure you save your file as a .csv file.

The file must first be loaded via GJAJFLU.

After saving the file on GJAJFLU, the File Path will be presented at the bottom of the record.

On GJAJFLU, if ‘Save In Product Data Home Directory’ is checked when uploading the file, then select Y for Parameter 02 when running TSPLOAD.

On GJAJFLU, if ‘Save In Product Data Home Directory’ is unchecked when uploading the file, then select N for Parameter 02 when running TSPLOAD.

Once the file is successfully loaded, the file is deleted from the File Path location.

Note: If you get this error when trying to run TSPLOAD:

Unable to instantiate .net.hedtech.banner.arsys.Tspload

```
Process: TSPLOAD Load Charges and Payments Number: 1694511 File Name: tspload_1694511.log Beginning Date Saved: Lines: 15
▼ SAVED OUTPUT REVIEW
Picked up JAVA_TOOL_OPTIONS: -Dlog4j1.compatibility=true
Exception in thread "main" java.lang.ClassNotFoundException: net.hedtech.banner.arsys.Tspload
    at java.net.URLClassLoader.findClass(URLClassLoader.java:382)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:418)
    at sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:355)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:351)
    at java.lang.Class.forName0(Native Method)
    at java.lang.Class.forName(Class.java:264)
    at com.sct.messaging.bif.banner.BannerBatchProcessor.main(BannerBatchProcessor.java:160)

Caused Exception:
com.sct.messaging.bif.BatchProcessorException: Unable to instantiate net.hedtech.banner.arsys.Tspload
    at com.sct.messaging.bif.banner.BannerBatchProcessor.main(BannerBatchProcessor.java:162)
Connected.
```

Please make sure this file
\$BANNER_HOME/arsys/java/tspload.jar
exists and is readable by the jobsub owner running the gurjobs process.

We found that the file existed but the arsys directory was not readable to the jobsub linux user.

The DBA or Managed services will need to change the permission on the arsys directory to 775. Then you will be able to run the process with no errors.