6.0.4 - Customized Output Columns: Goddard Format.

This tutorial will show you how to customize which columns are included when you export a table in the MAST Portal. Specifically, we will show how to select only those columns expected by the Goddard Mission Office when submiting target lists for the Guest Investigator Program.

Step 1 - Search On "TRAPPIST-1": We will begin this tutorial having done a search centered on TRAPPIST-1 (Item #1). Our search results show up in the Search Results Grid (Item #2). Now we want to download a specific subset of the available columns. To do this, we will need to make use of the Edit Columns... option (Item #3).

STSci Mikulski Archive for Spa X	+		_	_								
	tps:/	//mas	it.stsci.	edu/p	ortal/	Mashup/Clients	s/Mast/Portal.ht	ml		ତ ☆	Q Search	III © III
Select a collection MAST Catalogs About Collections Mission: T	ESS I	Input	v7 v	a T	nd e RAPP	IST-1 Examples Rand	om Search	Sea	rch 👼	Login Accoun	anonymous t Info	
Upload Target List	My I	Dowi	nload	Baske	et: 0 f		ser Manual/Help	Leave Feedback	ADOUT THIS	2		4 - day 10
210 Total Rows	11			TR	APPI	ST-1 , radius: 0.3	20000° 🛞	∞ ⊡ П	1 🛃 [Footprints:		Astroview 23:07:07.177 -05:04:27.36
Filters	«	Edit	Columr	is T	able D	isplay: All				/		25:00:29:309 +03:02:29:04 hhmms
Clear Filters Edit Filters Help			t	Act	ions	TIC ID	RA	Dec	pmRA	pmDEC	TESS Mag.	
Keyword/Text Filter			1	0	·@·	278892590	23:06:29.352	-05:02:29.04	991	-492	13.352	
Filter All Columns × P	Ŭ	[]	2	0	Ô	278892585	23:06:29.564	-05:03:17.17	4.03052	-8.83897	18.076	
Object Type			3	0	·@·	278892592	23:06:26.416	-05:02:09.21	2.28828	-14.313	15.552	
Name Quantity =			3 4	0	·@·	278892588	23:06:34.086	-05:02:40.89	9.24962	2.94717	16.687	
STAR (206 of 206 EXTENDED (4 of 4			5	0	·@·	278892596	23:06:28.666	-05:01:12.30	NaN	NaN	17.538	
Source of Type			6	0	· <u></u>	278892594	23:06:32.248	-05:01:16.94	NaN	NaN	18.929	
Name Quantity =		(m)	7	0	©.	278892591	23:06:36.005	-05:02:21.63	-1.67244	-5.16431	14.045	
2mass (200 of 200	J		8	ิด		278892593	23:06:22.968	-05:01:54.02	22.0068	-6.65676	16.225	
Name Quantity •			9	ิด	()	278892580	23:06:26.376	-05:04:17.04	112.18	63.39	16.381	
tmgaia (169 of 169			10		÷	279902570	22:06:20 400	05:04:25:10	2 10154	6 54162	17.165	
2mass (37 of 37			10	0		2/00925/9	23:00:30.498	-05:04:25.19	2.19154	-0.54163	17.105	
	J		11	U	·@·	278892586	23:06:20.597	-05:03:00.34	-0.32	-21.85	17.254	
Name Ouantity			12	0	Ô	278892578	23:06:34.739	-05:04:29.28	NaN	NaN	18.011	F
hsoy (146 of 146			13	0	·@·	278892598	23:06:27.142	-04:59:47.79	7.06046	-6.06002	17.034	
sblink (18 of 18		_										

Step 2 - Deselect All Columns: In the Edit Columns menu, use the Select None option (Item #1) to deselect all the columns. We will add the columns we want next.

STScl Mikulski Archiv	ve for Spa 🗙 🚽	+													
	🗊 🔽 🔒 https	s://mast	t.stsci.e	edu/	portal/Mashup/Clients/Mast/Portal.html		•••	⊠ ☆	Q Search			111	9	=	≡
Select a collection					Edit Columns ×	Search			anonymous						
About Collections Mission: TESS Input v7 ¥								Account	t Info						
Upload Target List					☑ RA	dback	About This Site								
Home Page TIC: 7: TPAPPIET.1				-	☑ Dec					A					
210 Total Rows				ſ	✓ pmRA	30		Footprints:		Astroview	23:07:05.1	27 -04:50:1	1.56	PA	»
Filters	«	Edit	Column	S	TESS Mag.				<u> </u>					hhmm	nss/deg
Clear Filters Edit Filters Help				A	Object Type		pmRA p	omDEC	TESS Mag.						
- Keyword/Text Filter			1	E	Source of Type	29.04	901	-492	13.352						
Filter All Columns	A ×		2	E	Version	17.17	4.03052	-8.83897	18.076						
Object Type			3	E	TYC ID)9.21	2.28828	-14.313	15.552						- "e
Name Q	Quantity V		4	E	UCAC ID	10.89	9.24962	2.94717	16.687						, <mark>8</mark> 9
EXTENDED	(4 of 4		5	E	V 2MASS ID	12.30	NaN	NaN	17.538						
Source of Type			6	E	✓ ALLWISE ID	16.94	NaN	NaN	18.929						
Name Q	Quantity T		7	E	GAIA ID	21.63	-1.67244	-5.16431	14.045						
Course of Position	200 01 200		8	E	V APASS ID	54.02	22.0068	-6.65676	16.225						. (
Name Q	Juantity 🔻		9	E	Source of Position	17.04	112.18	63.39	16.381						•
tmgaia ((169 of 169		10	E	pmRA Err.	25.19	2.19154	-6.54163	17.165						. /
2MASSEXT	(4 of 4		11	6	PM Flag)0.34	-0.32	-21.85	17.254						
PM Flag			12	F	✓ Parallax	29.28	NaN	NaN	18.011						
Name Q	luantity V		13	e	✓ Parallax Err.	17.79	7.06046	-6.06002	17.034						*
sblink	(18 of 18		15	~	Source of Parallax										Q *
					Gai, Long.								_		

Step 3 - Select Columns You Want To Keep: Select the columns you will want to download using the checkboxes in the list of available columns (Ite m #1). For this example, we will select the TIC ID, RA, Dec, pmRA, pmDEC, and TESS Mag. columns.

STScl Mikulski Archiv	ve for Spa 🗙 🚽	+							
$\left(\leftrightarrow \right) \rightarrow \mathbb{C}$	🛈 🔽 🔒 https	://mast	stsci.edu/	/portal/Mashup/Clients/Mast/Portal.html			·· 🗟 🗘	λ Search	II © /II
Select a collection MAST Catalogs About Collections	Dn Mission: TESS	Input v	~ 7 ~	Edit Columns Select All Select None	× Se	arch 💩	anonymous Login Account Info		
Upload Target List				 ✓ RA ✓ Dec 	dback	About This Site			Actrolliou
210 Total Rows			1		31		Footprints: All	vv	23:07:05.127 -04:50:11.56 23:06:29.369 -05:02:29.04
Filters	«	Edit C	olumns	TESS Mag.					
Clear Filters Edit Filters Help			A	Dbject Type		pmRA	pmDEC	TESS Mag.	1
Keyword/Text Filter			1	Source of Type	29.04	901	-492	13.352	
	A ×		2 🧲	HIP	17.17	4.03052	-8.83897	18.076	
Object Type			3 🧲	TYC ID)9.21	2.28828	-14.313	15.552	
Name C	Quantity (206 of 206		4 🔮	UCAC ID	10.89	9.24962	2.94717	16.687	
EXTENDED	(4 of 4		5 🕻	SDSS ID	12.30	NaN	NaN	17.538	
Source of Type			6 🧲	ALLWISE ID	16.94	NaN	NaN	18.929	
Name Q	Quantity (206 of 206		7 🗲	GAIA ID	21.63	-1.67244	-5.16431	14.045	
Source of Position			8 🧲	KIC ID	54.02	22.0068	-6.65676	16.225	
Name Q)uantity 🔻		9 🧲	Source of Position	17.04	112.18	63.39	16.381	
tmgaia	(169 of 169 (37 of 37		10 🧲	pmRA Err.	25.19	2.19154	-6.54163	17.165	
2MASSEXT	(4 of 4		11	PM Flag)0.34	-0.32	-21.85	17.254	
Name C	Quantity 🦷		12 🧲	 Parallax Parallax Err. 	29.28	NaN	NaN	18.011	=
in hsoy	(146 of 146		13 🧲	Source of Parallax	17.79	7.06046	-6.06002	17.034	i di si di s
sblink	(18 of 18			Gal. Long.					The second s

Step 4 - Use The Export Button To Save Results: After you have selected the columns you want to download, close the Edit Columns menu using the 'X' button at the top-right of the menu. You will now see only the columns you selected in the Search Results Grid. We are now ready to download our results using the Export button (Item #1).

STScl Mikulski Archive for Spa X	÷		_							
	//maet	etecia	adu/ports	l/Mashup/Client	te/Maet/Portal bi	ml		🖂 🛧	O Search	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			in washap onen	and a set of talling				- ocuron	
Select a collection MAST Catalogs About Collections Mission: TESS Input v7 V				enter target		Sei	arch 🚓	Login	anonymous	
				Examples Ran	dom Search Advar	nced Search		Account	t Info	
Upload Target List				files	Jser Manual/Help	Leave Feedback	About This Site		1	
Home Page TICv7: TRAPPIST-1										AstroView
210 Total Rows			TRAPI	PIST-1, radius: 0	.20000° 🐵	8	i 🗟 📓	Footprints: /	AII 👻 👻	23:07:05.127 -04:50:11.56 23:06:29 369 .05:02:29 04 RA DEC
Filters	Edit 0	Column	s Table	Display: All	~				,	23300.293309 403302.29304 hhmmss/deg
Clear Filters Edit Filters Help			Actions	TIC ID	RA	Dec	pmRA	pmDEC	TESS Mag.	a second and a second
Keyword/Text Filter		1	()	278892590	23:06:29.352	-05:02:29.04	901	-492	13.352	
Filter All Columns		2	()	278892585	23:06:29.564	-05:03:17.17	4.03052	-8.83897	18.076	
Object Type		3	()	· 278892592	23:06:26.416	-05:02:09.21	2.28828	-14.313	15.552	
Name Quantity Quantity (206 of 206		4	()	278892588	23:06:34.086	-05:02:40.89	9.24962	2.94717	16.687	
EXTENDED (4 of 4		5	()	278892596	23:06:28.666	-05:01:12.30	NaN	NaN	17.538	
Source of Type		6	()	278892594	23:06:32.248	-05:01:16.94	NaN	NaN	18.929	
Name Quantity Quantity Quanti		7	()	278892591	23:06:36.005	-05:02:21.63	-1.67244	-5.16431	14.045	
Source of Position		8	1	278892593	23:06:22.968	-05:01:54.02	22.0068	-6.65676	16.225	
Name Quantity =		9	1	278892580	23:06:26.376	-05:04:17.04	112.18	63.39	16.381	
trngaia (169 of 169 2 mass (37 of 37		10	1	278892579	23:06:30.498	-05:04:25.19	2.19154	-6.54163	17.165	
2MASSEXT (4 of 4		11	1	278892586	23:06:20.597	-05:03:00.34	-0.32	-21.85	17.254	
Name Quantity		12	1	- 278892578	23:06:34.739	-05:04:29.28	NaN	NaN	18.011	The second secon
hsoy (146 of 146		13	1	278892598	23:06:27.142	-04:59:47.79	7.06046	-6.06002	17.034	- · ·
sblink (18 of 18										W

Step 5 - Customize Output Options: In the Export Table As... window, you can specify an output file name and choose your output file format. Then, make sure the Displayed option in the Which Columns? section is selected (Item #1), and the table you download will contain only those columns that you specified.

STScl Mikulski Archive for Spa X	+			
$\leftarrow \rightarrow \mathbb{C}$	s://mast. stsci.e	edu/portal/Mashup/Clients/Mast/Portal.html	··· 🛛 🏠 🔍 Search	
Select a collection MAST Catalogs About Collections Mission: TESS	5 Input v7 👻 / Download B	and enter target: TRAPPIST-1 Search & Show Examples Random Search Advanced Search	anonymous Login Account Info	
Home Page TICv7: TRAPPIST-1 🛎			A	stroView
210 Total Rows		TRAPPIST-1, radius: 0.20000°	Footprints: All	23:07:05.127 -04:50:11.56 23:06:29.369 -05:02:29.04 hhmmss/deg
Filters	Edit Columns	s Table Display: All		
Clear Filters Edit Filters Help		Actions TIC Export Table As	MDEC TESS Mag.	
Keyword/Text Filter	1	€ • • • • • • • • • • • • • • • • • • •	492 13.352	
Filter All Columns × 🔎	2	O 27! File Name: TICv7_TRAPPIST_1.csv	3.83897 18.076	
Object Type	3	€ 27! Format: Comma Separated (.csv) ▼	14.313 15.552	
Name Quantity =	4	1 · · · · · · · · · · · · · · · · · · ·	.94717 16.687	
EXTENDED (4 of 4	5	() () 271 Export Cancel	laN 17.538	
Source of Type	6	(j) · (o)· 271	aN 18.929	
Name Quantity =	7	1 (a) 271	5.16431 14.045	
2mass (206 of 206			C (767)	
Source of Position	8	U © 278892593 23:06:22.968 -05:01:54.02 22:0068	-6.656/6 16.225	
Name Quantity •	9	(1) (278892580 23:06:26.376 -05:04:17.04 112.18)	63.39 16.381	
2 mass (37 of 37	10	(1) (278892579 23:06:30.498 -05:04:25.19 2.19154	-6.54163 17.165	
2MASSEXT (4 of 4	11	1	-21.85 17.254	
Name Quantity	12	1 0 278892578 23:06:34.739 -05:04:29.28 NaN	NaN 18.011	
hsoy (146 of 146 sblink (18 of 18	13	 	-6.06002 17.034	•