

TESS Holdings Available by MAST Service

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Next TESS Data Expected: **Sector 76 Data Ingest**

Likely Date to Start Ingest: **08 May 2024**

Status: **IN PROGRESS**



Next TESS "Quick-Look, Early Release" of [TICA Calibrated FFIs](#): **Sector 78 - Orbit 2, Part a**

Likely Date of Early Release: 16 May 2024

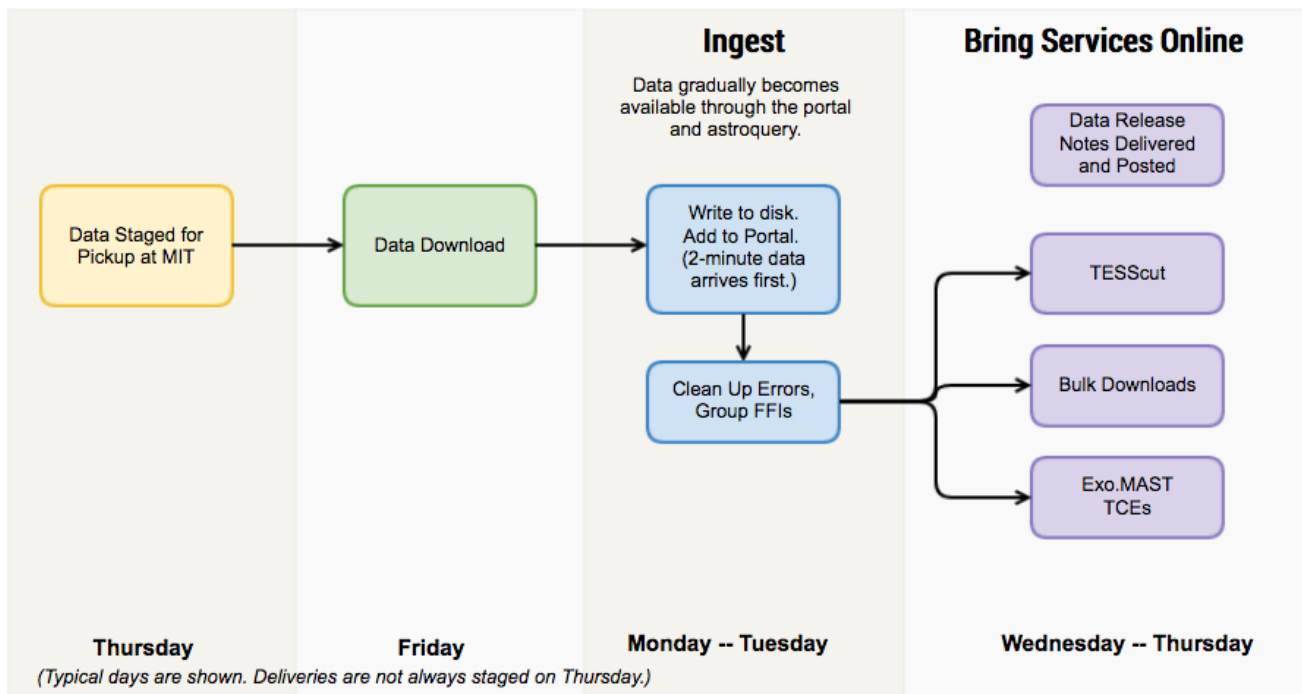
Status: **COMPLETED**

TICA TESSCut availability: through **Sector 78 - Orbit 1, Part a**

Data Ingest to MAST Archive

Because the time to process a TESS sector is not the same each sector, TESS data do not arrive at a perfectly regular cadence. MAST will post the date of the next data ingest on this page once it is known, usually 1 day before ingest begins.

After the data are delivered to the archive, ingest begins. One sector of TESS data takes approximately 20 hours to archive and make available in the MAST Portal. Since data become available immediately after being archived, during this ingest process the data gradually appear in the MAST portal and astroquery searches. After all data are archived, MAST services such as the bulk downloads, TESSCut, and exo.MAST take another 1-2 days to bring online. See the flow chart below for a typical timeline for the ingest of TESS data.



How to be notified of new data

@MAST_News will announce via twitter when the data has started being ingested each sector. Users can also **watch** this page* to receive an email when this page is updated as various MAST services come online after a sector of data is ingested.

*To watch the page, log-in using the arrow icon on the right and their MyST account. Then click on the 'watch' eye icon. Emails will come to the account associated with your MyST account. To obtain a MyST account, go to <https://proper.stsci.edu/proper/authentication/auth>.

Data Availability by Sector

Extended Mission 2 (Year 6)

Service/Sector	S70	S71	S72	S73	S74	S75	S76	S77	S78	S79	S80	S81	S82	S83
Data Ingest Started	☑	☑	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐
Portal/Astroquery	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV
Bulk Downloads	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☑ FFI ☑ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV	☐ FFI ☐ T P / L C / DV
TESSCut	☑	☑	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐
TCEs available in exo.mast	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Data Release Notes	☑	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐

[illegible]

Extended Mission 2 (Year 5)

[illegible]

Extended Mission 2 (Multi-Sector Runs, Years 1-6)

Multi-sector deliveries are the products associated with the TESS search for planets on stars observed in more than one sector.

Service/Multi-Sector	MS 14-60	MS 1-65	MS 1-69	MS 2-72
Data Ingest Started				
TCEs available in exo.mast				
Portal/Astroquery				
TCE CSV File				
Data Release Notes				

Data available on Amazon Cloud	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI	✓	FFI
	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV	✓	TP /LC /DV

Extended Mission (Multi-Sector Runs, Years 1-4)

Multi-sector deliveries are the products associated with the TESS search for planets on stars observed in more than one sector.

Service/Multi-Sector	MS 1-36	MS 1-39	MS 14-41	MS 42-43	MS 42-46	MS 1-46	MS 14-50	MS 14-55
Data Ingest Started	✓	✓	✓	✓	✓	✓	✓	✓
TCEs available in exo.mast	✓	✓	✓	✓	✓	✓	✓	✓
Portal/Astroquery	✓	✓	✓	✓	✓	✓	✓	✓
TCE CSV File	✓	✓	✓	✓	✓	✓	✓	✓
Data Release Notes	✓	✓	✓	✓	✓	✓	✓	✓

Prime Mission (Year 2, Northern Hemisphere)

DR30 refers to the reprocessed data which replaced the original data in the MAST archive.

Service/Sector	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26
Data Ingest Started	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
Portal/Astroquery	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
Bulk Downloads	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
TESSCut	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
TCEs available in exo.mast	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
Data Release Notes	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓
Data available on Amazon Cloud	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓ orig ✓ DR30	✓	✓	✓	✓	✓	✓	✓

Prime Mission (Year 1, Southern Hemisphere)

DR42 refers to the reprocessed data which replaced the original data in the MAST archive.

Service/Sector	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13
Portal/Astroquery	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42
Bulk Downloads	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42
TESSCut	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42
TCEs available in exo. mast	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42
Data Release Notes	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42
Data available on Amazon Cloud	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42	☒ orig ☒ D R42

Prime Mission (Multi-Sector Runs, Years 1+2)

Multi-sector deliveries are the products associated with the TESS search for planets on stars observed in more than one sector. DR30 refers to the reprocessed data which replaced the original data in the MAST archive.

Service/Multi-Sector	MS 1-2	MS 1-3	MS 1-6	MS 1-9	MS 1-13	MS 14-16	MS 14-19	MS 14-23	MS 14-26
Bulk Downloads	☒	☒	☒	☒	☒	☒	☒ orig ☒ DR30	☒	☒
TCEs available in exo. mast	☒	☒	☒	☒	☒	☒	☒ orig ☒ DR30	☒	☒
Portal/Astroquery	☒	☒	☒	☒	☒	☒	☒ orig ☒ DR30	☒	☒
TCE CSV File	☒	☒	☒	☒	☒	☒	☒ orig ☒ DR30	☒	☒
Data Release Notes	☒	☒	☒	☒	☒	☒	☒ orig ☒ DR30	☒	☒

Other Links

See the [TESS Mission](#) for information about the full TESS pointing schedule.

See the [MAST TESS Home page](#) for more information about data access and documentation.

Privacy Policy: <http://www.stsci.edu/privacy>

Previous Notes

From 28 Nov 2023:

Updates to Sectors 68 through 70, Data Validation Time Series Products

The data validation (DV) time series products (i.e., *_dvt.fits) for Sectors 68 through 70 have been updated. All other DV product files for Sectors 68 through 70 have not been updated, however.

The files in the new deliveries replace existing archival products with identical file names. The updated data validation time series products can best be identified by examining the "DATE" keyword, which identifies the date that the file was created; any time series file with a DATE of "2023-11-17" corresponds to an updated data product.

We suggest that any/all Sector 68-70 data validation time series product(s) downloaded from MAST prior to 28 Nov 2023 be replaced with an updated version.

From 06 Sept 2023:

Updates to Sector 66, Data Release 92 Products

The data validation products (full- and mini-report PDFs, one-page TCE report summary PDFs, time series FITS files, and DV results XML files) for Sector 66 have been updated. The target pixel and light curve FITS files for Sector 66 have not been updated, however. The data validation module was inadvertently run twice in the SPOC pipeline at NASA Ames. The first delivery included intermixed products from the two runs. The data validation algorithms are deterministic, but time limits while running the DV module can affect results for individual target stars. This update provides a fully consistent set of data validation products for Sector 66.

The files in the new delivery replace existing archival products with identical file names. The updated data validation time series products can best be identified by examining the "DATE" keyword, which identifies the date that the file was created. Any time series file with a DATE of "2023-08-25" corresponds to an updated data product. Furthermore, the generation date ("Date Generated") displayed on the stand-alone one-page TCE summaries should exactly match the generation date on the one-page summaries displayed at the beginning of the data validation mini-report for the same target star.

We suggest that any/all Sector 66 data validation product(s) downloaded from MAST prior to 06 Sept 2023 be replaced with an updated version. After 06 Sept 2023, the old files will no longer be available.

From 19 Apr 2020:

Sectors 20 and 21 will be replaced with newly exported data files starting 20 Apr 2020. While the ingest is taking place, the data files will be a disparate set of both the original and the new files. Once the ingest is complete the check boxes in the data holdings table below will be replaced with 'v2'.

The reasons for this re-delivery include changing how the data quality flags for stray and scattered light are set. It also includes a correction to the time and to the FFI collateral pixels. For more information, see the 'Memo' listed next to the [data release notes](#) for DRN27 and DRN29. It also includes information on how one can tell the difference between the new and old files.
