



Systematic boxel exploration

The OASIS / SRIGS field guide

Using Systematic Boxel Survey for JACoB

Version 2.1 | 21 October 2026

Documents survey extension 1.0.10

Purpose and scope

Pick a survey volume, work through its selected system populations, and send the scans to the community databases as you go. This guide explains the OASIS / SRIGS D plus eight C method and the JACoB extension built to support it. Project cartographers should start from a highway route or system string and reuse its saved anchors. Independent explorers can start from one system in a region of their choice.

For the OASIS Sanguineous Rim Highway Project, the purpose is to improve coverage along and ahead of the highway. Better regional data supports Spanish searches and helps coordinators choose future routes. Exceptional systems may become colonization candidates; a thoroughly scanned ordinary system is still useful work.

Why we made the tool

Systematic surveying needs a reliable record of the chosen scope, the next target, and unfinished work. Systematic Boxel Survey keeps those together across sessions. You can see the whole assignment, inspect individual boxels, and resume without maintaining a separate list of every system.

The first edition used EDJP. This edition makes the JACoB extension the working interface: selectable mass layers and parent sequences, checks against both EDSM and Spanish, bulk discovery for bounded boxels, and separate personal-scan and catalogue evidence. Compared with that earlier workflow, the aim is to make survey scope and outstanding work visible while reducing repeated checks and bookkeeping.

The financial motivation is part of the method too. We use D/C selection partly to favour white-star populations and create more opportunities for profitable Stratum tectonicas searches. This is a targeting strategy based on the author's survey experience. Check the actual planets before landing; mass code alone guarantees neither biology nor income.

New in this edition

Saved anchor lists make highway surveys reusable across sessions. Verified system addresses can resolve alternate names in overlapping regions. EDSM attribution and body-update dates add context, while native JACoB clipboard support removes the normal need for a Windows helper.

Also covered: phone/tablet access and QR pairing, the Galaxy Map prefix-search workaround, journal recovery, and the difference between an endpoint and completed coverage. Use the PDF bookmarks to jump to a topic.

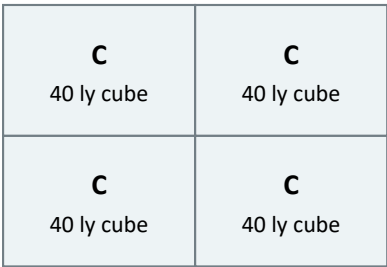
1 Boxels and procedural names

A boxel is a cube in the galaxy's procedural naming grid. The mass-code letter identifies a grid level in a procedural system name. **D-mass means the d in the name**; it is not a spectral class or a direct measurement of a star's physical mass.

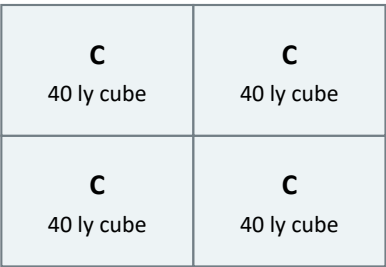
Part of Pyrks LY-F d12-14	Meaning
Pyrks	The displayed sector name.
LY-F d12	The D boxel identifier within that naming region.
14	The system sequence suffix. Sequences begin at 0.

One D cube: 80 ly on each side

Two 40 ly thick slices contain four C cubes each. All eight fill the D volume.



Slice 1



Slice 2

Selecting **D + C** includes the D system population and the C system populations in all eight smaller cubes. They occupy the same overall volume. It does not add neighbouring D boxels, and it does not include every mass class in that volume.

The sequence is numerical, not sorted by distance. Survey times depend on density, travel and optional landings. The original SRIGS surveys in the working region often fitted a D + 8C assignment into a 2-4 hour session; treat that as local experience, not a universal estimate.

Choose a useful starting area

For highway work, calculate the ordered anchors from your route or project system string, then work through them one at a time. Independent explorers can choose a single procedural system in an area they want to cover. A D anchor with D and C selected is the worked method in this guide. Other layers are available when your objective calls for them.

A D anchor may be identified from a D system or a lower-mass system within it. A higher-mass system alone cannot identify which smaller D boxel you intend. For a single such source, choose another system; higher-mass entries in a list or route are omitted and reported.

Displayed sector names can change across overlapping naming regions. The nesting geometry alone does not guarantee that generated child names will resolve. See the sections on alternate names and Galaxy Map search for the limits and practical steps.

2 Install the survey tab

JACoB platform repository

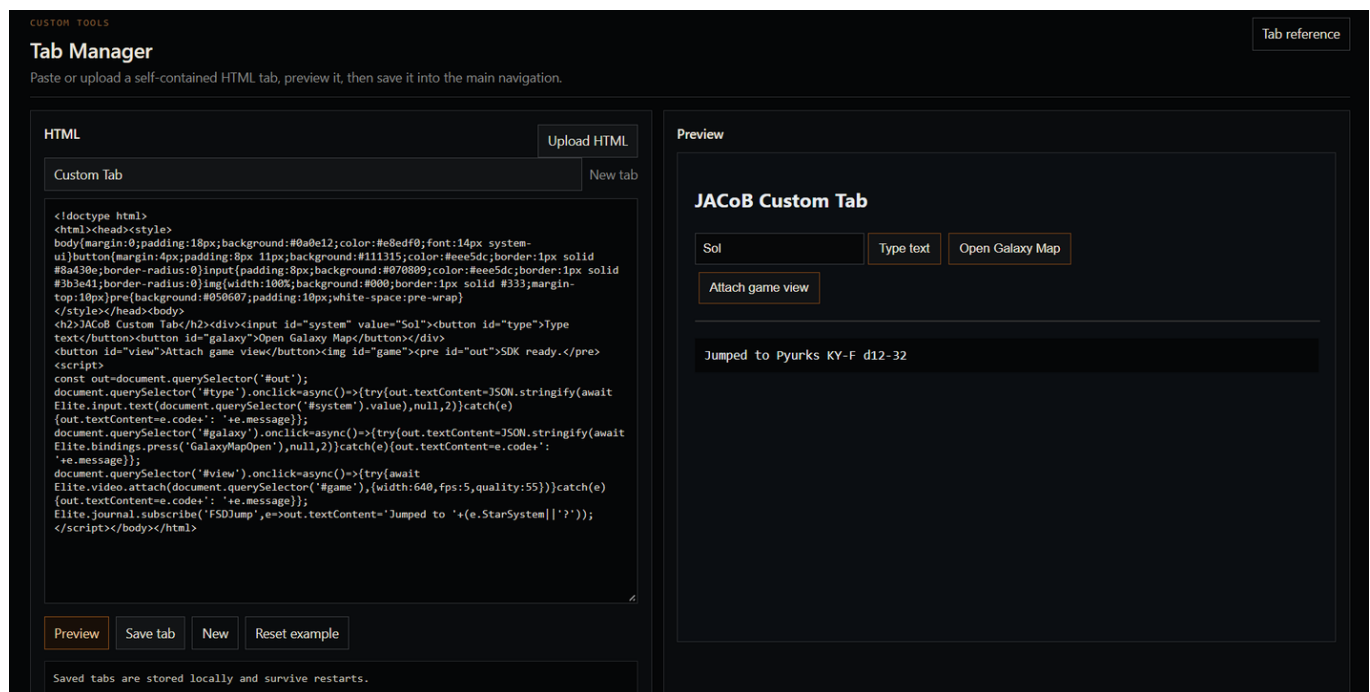
<https://github.com/pseudo6626/JACoB>

Systematic Boxel Survey repository

<https://github.com/Oberonmeister/systematic-boxel-survey>

Install JACoB using its documentation. Use a current JACoB release. Native clipboard support requires Alpha0.2.19 / SDK15 or later; the survey can still use older SDK 11 hosts with reduced features. HUD2 styling uses SDK 13 or later. The survey HTML is ready to import and does not need to be compiled.

1. In the survey repository, use **Code > Download ZIP** and extract the folder.
2. Open JACoB's **Tab Manager**, choose **Upload HTML**, and select **Systematic-Boxel-Survey.html**.
3. Preview it, give it a recognisable name, and choose **Save tab**. A preview alone does not provide saved-tab persistence.
4. Check that JACoB reads your actual journal directory. Enable its Network permission for catalogue requests and the overlay permission if you want the HUD.



Tab Manager before import. The preview shown is JACoB's default example. Upload the survey HTML, then use Save tab.

Use the same journals

JACoB and your uploader must follow the same commander and game installation. A non-default journal directory must be configured in JACoB itself; the extension uses its journal service. Opening the HTML as an ordinary browser file is an offline preview, not a live game connection.

Keep one running instance of this survey tab. A duplicate on another browser or device can receive the same events and compete over saves or the HUD; merely hiding a tab may leave it running. Update the existing saved tab rather than deleting and re-adding it.

3 Use JACoB from another device

JACoB runs beside Elite on the host computer and serves a browser interface. A phone, tablet, laptop or another computer on the same local network can connect to that host. Supported tools and permitted controls are then available without dedicating another screen on the gaming computer. You do not install the game or the survey helper on the viewing device. [3]

Pair through Settings

1. On the computer running JACoB, open **Settings > LAN access** and enable local-network access.
2. Put the other device on the same trusted local network. Scan **Open JACoB**, or type the displayed **Connect URL** into its browser.
3. Complete pairing by scanning or entering the separate **Pair key**. Use the address shown by JACoB rather than localhost on the other device.
4. Use the available tabs and controls according to that device's permissions. Installation, tab editing and other host-only operations still belong on the host computer.

One-scan startup QR

Current JACoB builds also offer **SCAN TO PAIR JACoB** in the game HUD at startup, when LAN access is enabled and the HUD surface is ready. This is a one-use link, valid for 30 seconds after it appears. Scanning it pairs a normal non-admin, non-remembered device and opens JACoB. It does not expose the reusable pair key. If it expires, use the Settings connection flow. [3]

Two limits matter for this survey

- **Native clipboard is host-only.** A remote phone/tablet browser cannot write the gaming computer's clipboard through the native API, even with remote administrator access. Run the survey in the host browser for the standard automatic-copy workflow. Browser copying on another device is not a transfer to Elite. [4]
- **Avoid two running copies of the survey.** Pairing another device does not create an independent survey workspace. Saved tab data is shared, and duplicate survey instances can conflict over saves, journal-driven targets or overlays. Use remote JACoB tools without launching a competing instance of this survey.

If the device cannot connect

Start with JACoB's **Network Doctor**. On Windows, **Repair Windows access** can correct the managed firewall rule when needed. Guest Wi-Fi isolation, separate network segments or a VPN can still prevent local connections. Use a trusted home network; the current LAN interface uses HTTP/WebSocket and should not be exposed by internet port forwarding. [3, 5]

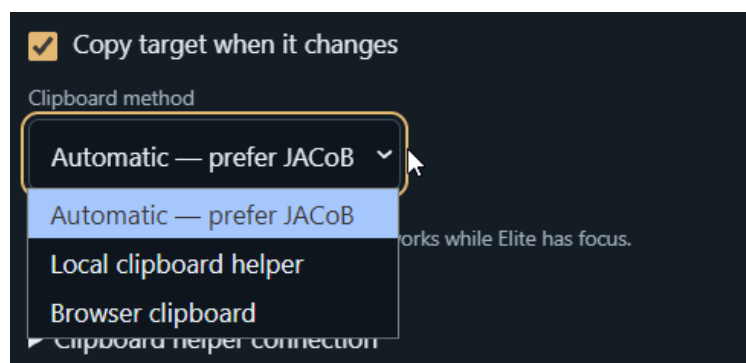
JACoB connection instructions

https://github.com/pseudo6626/JACoB/blob/main/docs/USER_GUIDE.md

4 Enable native copying and keep the helper optional

The standard workflow copies a target to the host clipboard while Elite keeps focus. It does not press game keys, open Galaxy Map or replace a route. Version 1.0.10 prefers JACoB's native clipboard on compatible hosts, including when an older helper is still paired. [4]

1. In **Survey policy & controls**, leave **Clipboard method** > **Automatic - prefer JACoB** selected and enable **Copy target when it changes**.
2. Click **Copy Target** once after opening or reloading the tab. If prompted, allow **Write the host clipboard**. A successful manual native copy enables automatic native copying for that open tab.
3. Check for **JACoB native clipboard active**. After the next target change, paste into Galaxy Map to verify the expected name.
4. When you update the saved tab or reset its permissions, JACoB may ask for permission again. A denied permission is remembered; use **Reset permissions** in Tab Manager before retrying a Copy button.



The three methods: Automatic prefers native JACoB; helper and browser can be selected explicitly. The open menu obscures part of the status text in this screenshot.

Retire an existing helper

After a successful native Copy Target, stop the helper before a jump if you want an unambiguous test. Run **clipboard-helper/Stop-ClipboardHelper.ps1** from the extracted package: it stops the helper and removes its Windows startup shortcut, while retaining its files. Use **Disconnect clipboard helper** in the tab to remove the pairing. Keep automatic copying enabled. No survey reset is needed.

A running helper only responds to explicit requests; native mode does not send it duplicate copies. A native write failure stays visible and never silently switches to the helper. **Refresh clipboard status** checks availability without copying. There is no deliberate ten-second delay on the native path.

Older hosts and alternative setups

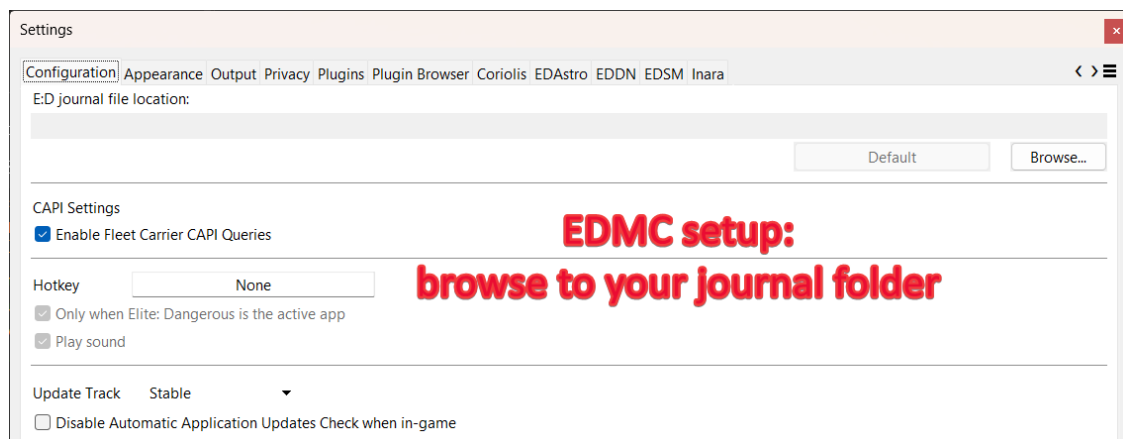
Automatic uses a paired helper only if the native API is absent or reports unavailable, then browser copying if no helper is paired. Browser copying may fail while Elite has focus. The optional Windows helper requires Python 3 and remains in the package; its README covers installation, pairing and restart. Linux native copying depends on JACoB's platform support and desktop clipboard tools. [4]

Optional helper setup and removal

<https://github.com/Oberonmeister/systematic-boxel-survey/blob/main/clipboard-helper/README.md>

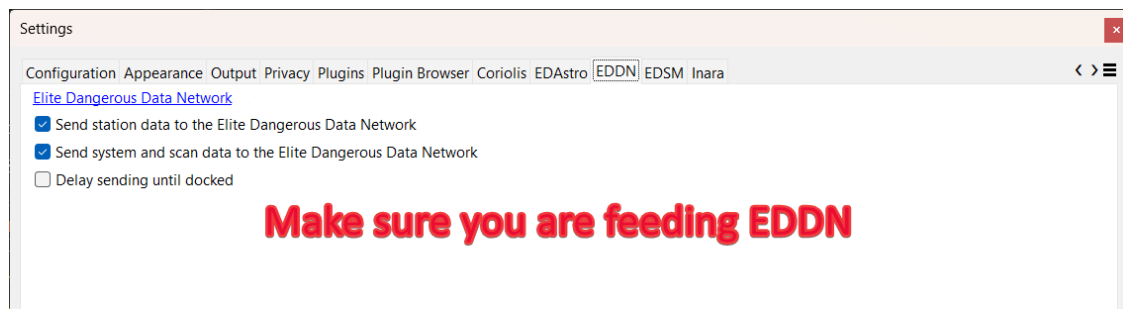
5 Send scans to the community

Keep EDMC running while you survey. In its Configuration tab, check **E:D journal file location** and use your actual directory. The survey extension reads evidence; EDMC performs the uploads.



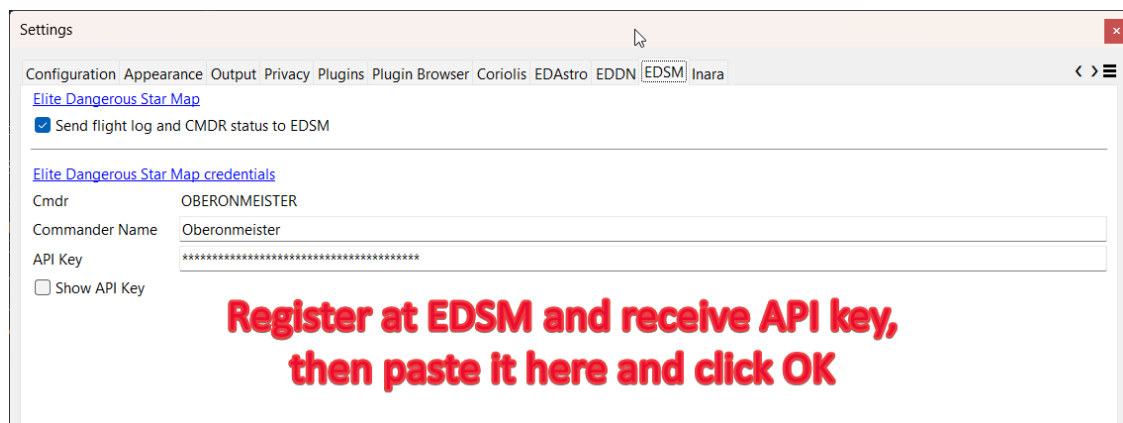
EDMC journal configuration. Use Browse to select your actual journal directory.

On **EDDN**, enable **Send system and scan data to the Elite Dangerous Data Network**. Leave **Delay sending until docked** off so the survey data can flow while you are exploring.



EDDN submission with system and scan data enabled.

On **EDSM**, enter your own commander name and API key, then enable **Send flight log and CMDR status to EDSM**. Save the settings. Never include your API key in a public screenshot or issue report.



EDSM submission. The supplied example key is already masked.

EDDN distributes submitted data; it is not a second historical system catalogue to query. The extension checks EDSM and Spanish. Upload and indexing delays mean a new scan may appear in your personal record before either catalogue updates. [1, 2]

6 Start from a highway route or system string

Project cartographers: use a route or system string as the default starting point. This turns the highway into an ordered set of survey anchors that you can reuse. You still create and work on one anchor survey at a time; the saved list connects the whole assignment.

Choose the source that represents your assignment

- **Current GalMap route:** plot the intended route in-game, then select this source when JACoB detects it. Choose the anchor mass and calculate. The plotted systems become a saved source snapshot; later route changes do not rewrite it. Use the exact project system string instead if the game route omits the intended project stops.
- **System list / string:** paste the highway systems in the intended order, one per line or separated by arrows, commas or semicolons. Choose the anchor mass, then use **Identify anchor boxels**. This is useful for a shared project itinerary without needing to plot the whole highway first.

Route mode with a saved 68-system snapshot. The original route no longer has to remain active to use its anchors.

For the standard assignment choose **D**. Repeated anchors appear once, at their first crossing. Source systems above the anchor mass cannot identify the smaller anchor and are omitted and reported; unsupported names are reported too. Review these omissions before accepting the assignment.

Choose an anchor, then its layers

Select one anchor from the calculated list and continue to **Nesting levels**. Select **D + C** for one D population and eight C populations in that volume. Optional parents add only their own mass-code sequence. Copy first starts beside the checkboxes; expand Individual starts for each child.

D + C selects nine boxels. Lower layers greatly increase the scope; choose them deliberately.

Independent explorers: choose **Single system**, enter a procedural name in your chosen region, identify its anchor and follow the same layer/bounds workflow. The project default described here is a guide recommendation; the extension still offers all three source modes.

7 Save the highway once and work through its anchors

For a highway or any long exploration route, choose **Current GalMap route** or paste a **System list / string**, choose the anchor mass, then calculate. The resulting ordered anchor list is saved automatically with its source snapshot. Higher-mass source entries are omitted when they cannot identify the preferred smaller anchor; repeated anchors appear once at their first crossing.

Saved anchor lists

Open a saved sequence to choose another anchor. Lists keep their original order and source, even after your route changes.

LIST	ANCHORS	WITH SURVEYS	
D · Pyurks OE-E d13 → NGC 2244 Sector SD-S d4	13	4 / 13	<button>Open list</button> <button>Remove list</button>

Removing a list keeps all surveys and their progress. Saved lists are included in Export backup.

Saved anchor lists preserve the route even after GalMap changes. Here a 68-system source produced 13 distinct D anchors; four already have surveys.

Open the saved list, choose an anchor, select the required layers and set its bounds. Each anchor can have its own survey and progress. **With surveys** counts anchors with surveys created; it is not a completion count. Give the list a useful name and choose **Save name**.

Choose your anchor

13 distinct boxels, in first-occurrence order.

Anchor list name

D · Pyurks OE-E d13 → NGC 2244 Sector SD-S d4 Save name

USE	BOXEL	SOURCE SYSTEMS	SURVEY	START
☐	Pyurks OE-E d13	2	1 created <button>Open survey</button>	<button>Copy</button>
☐	Pyurks QZ-D d13	5	1 created <button>Open survey</button>	<button>Copy</button>
☒	Pyurks MT-F d12	10	Not started	<button>Copy</button>
☐	Pyurks IN-H d11	5	Not started	<button>Copy</button>
☐	Pyurks JN-H d11	7	Not started	<button>Copy</button>
☐	Pyurks FH-J d10	3	1 created <button>Open survey</button>	<button>Copy</button>
☐	NGC 2244 Sector FW-M d7	6	1 created <button>Open survey</button>	<button>Copy</button>
☐	NGC 2244 Sector GW-M d7	1	Not started	<button>Copy</button>

Choose the next anchor or use Open survey to resume an existing one. Source-system counts show how many source entries mapped to each anchor.

From the dashboard, **Return to anchor list** opens this survey's source; **Saved anchor lists** opens the library. The saved snapshot works without a current route. Recalculate from the current route only when you want a new source. Removing a saved list keeps its surveys and progress. Backups include saved lists.

8 Define the sequence bounds

In **Optional bounds**, copy a prefix into Galaxy Map and inspect the matching procedural names. Enter the highest system suffix that you have established for that exact boxel. A final suffix is inclusive: **39 means 40 systems, from 0 to 39**. A final suffix of 0 is valid and means one system.

OPTIONAL FINAL BOUNDS

Tell the survey where each sequence ends

Copy a prefix into GalMap, inspect its autocomplete list, then enter the final suffix. Leave a field empty for open-ended surveying. You can add or change bounds later.

INCLUDE	BOXEL PREFIX	MASS	CLIPBOARD	LAST SUFFIX
☒	Pyurks LY-F d12	D	Copy prefixCopy start	39
☒	Pyurks WW-L c24	C	Copy prefixCopy start	Unknown
☒	Pyurks XW-L c24	C	Copy prefixCopy start	Unknown
☒	Pyurks UB-M c24	C	Copy prefixCopy start	Unknown
☒	Pyurks VB-M c24	C	Copy prefixCopy start	Unknown
☒	Pyurks AD-K c25	C	Copy prefixCopy start	Unknown
☒	Pyurks BD-K c25	C	Copy prefixCopy start	Unknown

A mixed survey: the D sequence has a final suffix of 39; the C boundaries are still unknown. Unknown fields may remain empty.

Copy prefix helps inspect a sequence; **Copy start** copies its first system. Do not mistake a limited autocomplete result list for proof of the endpoint. Results may sort as text: -1, -10, -11, then -2. Check numerical suffixes, not just the last visible row. A split naming region can also leave gaps; if the boundary remains uncertain, leave it unknown.

With a defined boundary	With an unknown boundary
Finite system count and per-boxel percentage. Whole-boxel checking is available.	Open-ended sequential targets. Check target and Check next 25 remain available.
Optional automatic transition on arrival at the final system.	Use Iterate Boxel when you decide to move on; automatic endpoint iteration is disabled.

Use **Edit final bounds** to add or correct limits later. Overall percentages require bounds for every included boxel. Individual bounded boxels can still show their own percentages in a mixed survey.

A catalogue miss never defines an endpoint. A name that does not resolve may indicate a typo, an incorrect naming region, or a true sequence end. See the alternate-name and Galaxy Map search sections before treating it as exhaustion.

9 Check the catalogues and read the target

For a bounded boxel, **Check entire boxel** is the efficient starting point. **Check target** and **Check next 25** use individual checks and also work without a defined endpoint. A missing catalogue record never sets the final suffix.

CURRENT TARGET · D MASS

Range 0-46

NGC 2244 Sector GW-M d7-1

Survey sequence: **Pyurks FH-J d10-1** · matched by system address

Incomplete or uncertain data

Copy Target

← Previous

Next →

Iterate Boxel →

Copied: Pyurks MT-F d12

Arrows leave unfinished systems outstanding. Iterate Boxel moves to the next included boxel.

EDSM [CitizenX]
Major bodies complete; belts unverified
3 scanned bodies; expected 3
Latest reported body update: 2020-12-23 20:55:35 UTC (pre-Odyssey)
Checked 21.10.2026, 01:09:37

Spansh
Major bodies complete; belts unverified
3 scanned bodies; expected 3
Latest reported body update: 2022-06-06 09:52:24 UTC
Checked 21.10.2026, 01:09:36

Check target

Check next 25

Check entire boxel

Whole-boxel checks find catalogue matches in bulk, then request scan details only when they can affect the visit decision.

ACTIVE BOXEL

Pyurks FH-J d10

1 / 47 handled · 2.1%

47 processed · 46 requiring visits

Highest recorded suffix: 46

Current in-game system

Pyurks KY-F d12-32

Outside selected survey scope

Journal connected. Arrival advances the target; FSS and belts update the visited system independently.

The target is an address-verified alternate name. Its survey sequence remains visible underneath. Both catalogues know it, but unresolved belt evidence still leaves work outstanding.

Whole-boxel checks discover presence in bulk: normally one EDSM prefix query and one Spansh search for the system count plus ten results. Exact boxel/suffix matches discard unrelated names. If the boxel already has verified alternate prefixes, those are searched too and matched by physical system address.

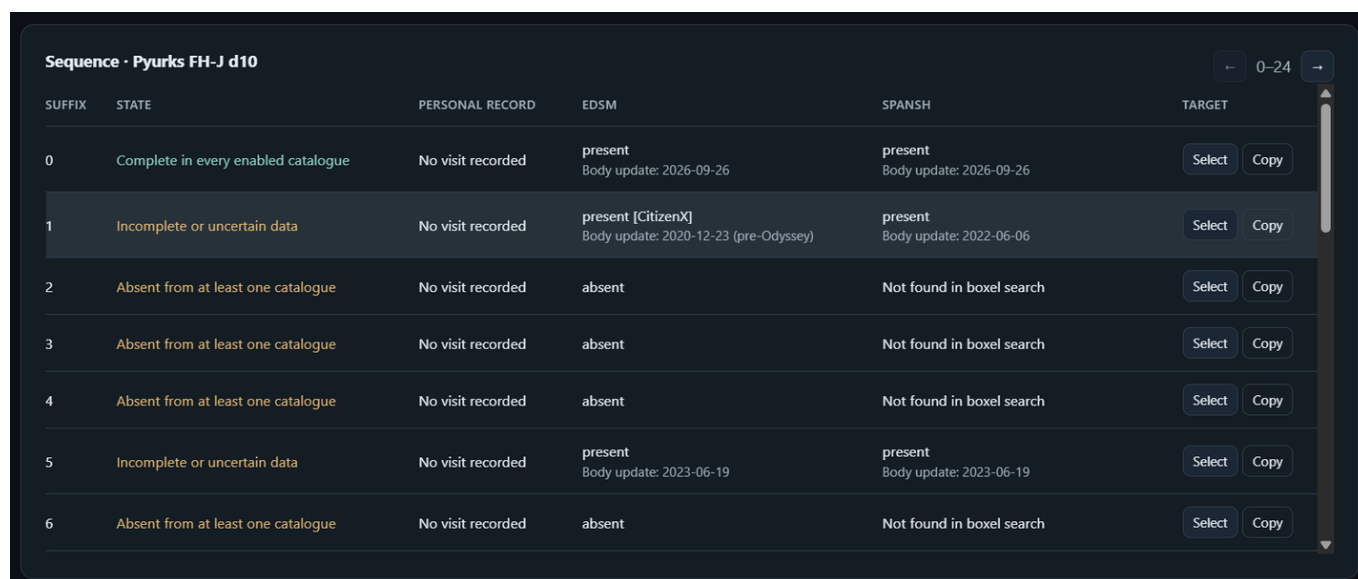
The tool requests body details only for systems found in every enabled catalogue where those details can change the visit decision. Personal scan evidence and the ignore-visited policy can avoid further detail requests. Bulk discovery therefore reduces load; it does not promise two requests in total or a fixed completion time.

Result	What it establishes
Present	A catalogue match, not necessarily a complete scan.
Present; scan details not requested	Details were deferred or would not affect the visit decision.
Not found in boxel search / No exact match in top 10	A limited Spansh search missed the target. It remains a visit candidate, not proven nonexistent.
Error / unresolved	The request or identity check failed. Retry when appropriate; do not count it as absent or complete.

Known boxel addresses support direct target lookups. Without an address reference, limited name searches can miss a known system; an unnecessary revisit is an accepted trade-off. Large searches beyond the tested 133-system boxel remain unverified. Stop preserves finished checks and pauses after the current request.

10 Read commander attribution and data age

EDSM can identify the commander credited with submitting/discovering the system in its own database. That name appears in brackets beside EDSM in the target card, sequence table and overlay. It is **EDSM system-discovery attribution**, not proof of an in-game first-discovery tag or of your own visit.



SUFFIX	STATE	PERSONAL RECORD	EDSM	SPANSH	TARGET
0	Complete in every enabled catalogue	No visit recorded	present Body update: 2026-09-26	present Body update: 2026-09-26	Select Copy
1	Incomplete or uncertain data	No visit recorded	present [CitizenX] Body update: 2020-12-23 (pre-Odyssey)	present Body update: 2022-06-06	Select Copy
2	Absent from at least one catalogue	No visit recorded	absent	Not found in boxel search	Select Copy
3	Absent from at least one catalogue	No visit recorded	absent	Not found in boxel search	Select Copy
4	Absent from at least one catalogue	No visit recorded	absent	Not found in boxel search	Select Copy
5	Incomplete or uncertain data	No visit recorded	present Body update: 2023-06-19	present Body update: 2023-06-19	Select Copy
6	Absent from at least one catalogue	No visit recorded	absent	Not found in boxel search	Select Copy

The selected row shows EDSM [CitizenX] and a 2020 body update, while Spansh reports a 2022 update. Other rows still need checking or visits.

Field	Meaning
Commander in brackets	EDSM traffic endpoint discovery attribution for this system. Missing attribution is not an error in your personal history.
Latest reported body update / Body update	The latest available timestamp among the returned body records, shown in UTC. This is not a last-visit date.
Checked	When this extension queried the catalogue.
(pre-Odyssey)	The displayed body-update date is before 19 May 2021. Older evidence may be useful when choosing biology targets, but later unreported visits or sampling remain possible.

How to use this context

Treat a pre-Odyssey label as a reason to investigate, not a guarantee of untouched exobiology. The label does not change completion. The age-based revisit setting uses the oldest dated major-body record, so one newly updated body does not make the entire inventory fresh.

Attribution is fetched for the selected known EDSM target and cached. Bulk discovery does not request a commander for every row. A blank commander or absent date is not replaced with the query date or a guess. Public records and the **Personal record** column are separate evidence sources.

11 Follow the flight loop

- 1. Prepare the next required target. Read its catalogue state, then use the clipboard target to plot manually in Galaxy Map.
- 2. Jump in, honk, and FSS every body. Inspect promising systems for colonization and take optional biology stops.
- 3. Finish the current survey work, including required belt scans. Arrival may already have copied the next target; this does not mean the current system is finished.
- 4. Paste the next target when ready to leave. If another copy replaced it, **Copy Target** restores the selected target.
- 5. Continue through the included boxels. Use **Iterate Boxel** to move manually, or enable the bounded automatic transition described in the policy section.



The green top strip keeps the survey visible during flight. Its next-target information and the current system's scan status refer to different roles.

Overlay section	How to read it
Total survey	Handled systems across the included assignment, according to the current policy.
Current boxel survey	Progress for the selected boxel.
Next and catalogue fields	The prepared navigation target and its catalogue evidence.
Here	Scan state of the system you are actually visiting.

Enable the survey overlay

Enable **Top-of-screen survey overlay**. It is centered, bright green and transparent; compatible HUD2 hosts add a dark outline and subtle glow. The overlay also includes available EDSM attribution and body-update dates. Keep one running survey instance if an older overlay reappears after a jump.

Navigation and completion are separate

Live arrival advances the target; journal scans continue updating the visited system. This lets you finish FSS and travel between bodies without having to prepare the following system manually. Historical journal replay and login location events do not trigger automatic boxel iteration.

Previous, **Next** and row selection change your target without completing unfinished systems. **Iterate Boxel** moves to the next included boxel and resumes its saved cursor. Reaching the end of a sequence does not erase outstanding work.

12 Understand progress and personal records

7	Personal scan complete, including belts	Visited · FSS + belts complete	absent	absent	Select	Copy	Confirm full scan
8	Personal scan complete, including belts	Visited · FSS + belts complete	absent	absent	Select	Copy	Confirm full scan
9	Ignored by policy · personally visited	Visited · Partially scanned	absent	absent	Select	Copy	Confirm full scan
10	Absent from at least one catalogue	No visit recorded	absent	absent	Select	Copy	
11	Absent from at least one catalogue	No visit recorded	absent	absent	Select	Copy	
12	Absent from at least one catalogue	No visit recorded	absent	absent	Select	Copy	
13	Complete in every enabled catalogue	No visit recorded	present	present	Select	Copy	

Different reasons for handling a system remain visible: personal completion, an ignored visit, and complete catalogue data. Unvisited absent systems still require attention.

Displayed result	Meaning and next step
Personal scan complete including belts	Journal evidence supports completion. It can count even before catalogue uploads appear.
Ignored by policy personally visited	A visit is recorded and your policy excludes it. This is not a claim of full scanning.
Complete in every enabled catalogue	The enabled catalogue evidence meets the current completion policy.
Absent or search not found	A visit candidate unless personal completion or an explicit policy already handles it.
Unresolved or uncertain	Review the error or missing scan evidence. The check has not certified completion.
No visit recorded	No personal visit was found in the available journals. Missing journals cannot prove that you never visited.

Previously surveyed systems

The extension recovers available journal history and keeps older scan evidence through revisits. A system may only produce a new honk when you return. If history is incomplete, use **Recover all journal history**; let recovery finish before judging the result. Large journal histories can take time, and Stop can pause recovery. This imports original Elite journals, including flights made while using EDJP; it does not depend on EDJP logs or public submitter names.

Manual confirmation includes belts, is explicitly recorded, and can be undone. Use the current-system action for the system you are visiting, or a previously visited row's action for that row. It does not create synthetic journal events or upload a missing scan.

Under this guide's extension policy, full personal completion includes belts wherever they exist. If a system has no belts, there are no belt clusters to scan. Incomplete inventory evidence can still leave belts unverified; check in-game before manually confirming.

13 Set the survey policy

Survey policy & controls

☒ Check EDSM

☒ Check Spanish

☐ Visit even when every catalogue appears complete

☒ Ignore personally visited systems

Counts journal-recorded visits as handled by policy, even without a full scan.
The personal record stays visible.
Revisit data older than this many days - 0 disables

0

Unless personal scan evidence or the ignore-visited policy handles a system, absence or uncertain catalogue data requires attention. Belts are included.

☒ Move to the next boxel on arrival at the final system

Requires a defined final suffix. Scan progress stays with the system you are visiting; unfinished systems remain outstanding.

☒ Copy target when it changes

Clipboard method

Automatic — prefer JACoB

Automatic — prefer JACoB

Local clipboard helper

Browser clipboard

Clipboard helper connection

works while Elite has focus.

☒ Top-of-screen survey overlay

HUD2: smooth green text, dark outline and subtle glow.

► Optional GalMap plotting

Recover all journal history

Save now

Save this HTML as a JACoB tab before relying on persistence. Keep the tab loaded to receive live events; journal recovery catches up after reopening.

► Activity log

► Remove this survey

Settings example: ignore-visited and automatic iteration are enabled by choice. Native copying is preferred; the helper remains optional.

Processed is different from handled

A processed system has evidence or a check result; it may still require a visit. A handled system meets the current policy, which need not mean a fresh personal scan. Review every included boxel and outstanding row before closing an assignment. Changing policy can change the totals.

A useful starting policy

Enable both catalogues. Leave visit-every-system off unless you want a fresh personal pass.

Ignore personally visited systems

Optional. Handles journal-recorded visits without claiming full scans. Leave it off when incomplete old scans should remain outstanding.

Automatic boxel iteration

Optional. Requires a defined final suffix. On arrival at that final system, move to the next included boxel. It does not certify earlier work, finish the visited system, or wrap after the last boxel.

Copying and overlay

Prefer native JACoB clipboard; click Copy Target once after opening the tab. Enable the green overlay if useful. Keep automatic GalMap plotting off for the standard workflow.

Age-based revisits

0 disables this setting. With an age limit, old or undated catalogue evidence can require attention; complete personal evidence and ignore-visited policy can still handle a system.

14 Assess discoveries and biology stops

The survey produces a useful regional record even when no individual system earns a project pin. For OASIS, keep candidate selection selective; independent explorers can apply their own priorities to the same data.

Look for a signature feature and room to build

The OASIS shortlist favours a standout feature plus enough suitable surface development slots to support a self-sufficient economy. Earth-like worlds, water worlds and ammonia worlds are common signature candidates. A nice world in an otherwise unhelpful system is not enough on its own.

Rare stellar objects, including neutron stars and black holes, can also be reasons to investigate a system. Inspect the actual planetary layout and operating conditions before treating the star as a colonization case. Targeted rare-star visits complement the D + 8C survey rather than defining its coverage.

Judge the useful part of the system

Prefer a compact useful layout and a convenient place for the primary port. A distant secondary component need not disqualify an otherwise good system; consider what it contributes and how often players would need to travel there. Proximity to the highway is a quality factor, not an absolute veto for an exceptional discovery.

Rings, belts and similar extras are supporting features. Inspect suitable planets and development opportunities carefully. This extension's full-scan policy includes belts for every surveyed system where they exist, extending the first edition's candidate-only belt rule.

Keep the project shortlist useful

Every entry adds another pointer on the highway map and another item for coordinators to maintain. A viable system may still not earn a pin. Its completed catalogue record remains useful to someone searching for a different combination of features. The shortlist and the regional database serve different purposes.

Take biology stops when they suit the session

The author's D/C strategy also seeks favourable opportunities for Stratum tectonicas. Mass code does not determine the star class or guarantee suitable planets. Use the bodies you actually find and your exploration or biology alerts to decide whether a landing is worth the time.

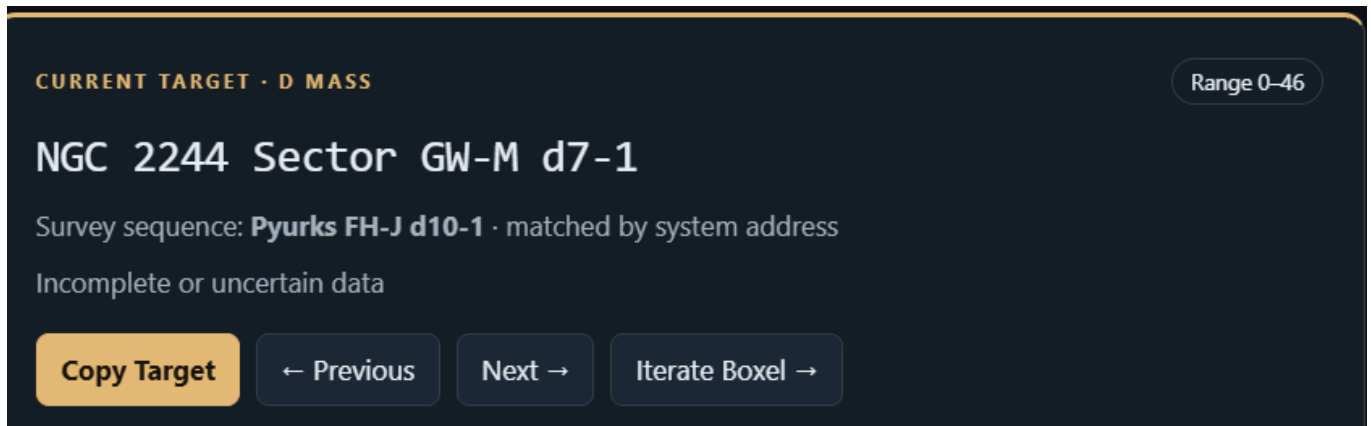
Elite Observatory Core and its plugins can help identify promising bodies. Configure them through their own documentation and test the notifications. Biology stops are optional; finish the cartographic survey before moving on. Long approaches and biological sampling can substantially change the time spent in a boxel.

Coordinate overlapping assignments

Public catalogue checks and personal history help avoid repeated work, but they do not reserve an area for a team. Share the anchor, selected layers and claimed assignment with the coordinators. Another commander's fresh scans may not have reached the catalogues yet. Agree who owns overlapping work before surveying it twice.

15 Resolve alternate names by system address

A physical boxel and a displayed naming region are different things. Near overlapping named regions, systems in one physical sequence can use different sector labels. A generated child name can therefore fail even when the grid calculation is correct. The observed frequency is unknown; do not assume a simple boundary rule or that every sibling is renamed alike.



Verified example: survey sequence Pyrks FH-J d10-1 resolves as NGC 2244 Sector GW-M d7-1. Copy Target uses the verified name; the original sequence stays visible.

What version 1.0.9 and later can do

A known system in the same physical boxel supplies an address reference. The extension can calculate another suffix's address and accept an alternate catalogue name only when the returned ID64 matches. Copying, the overlay and journal matching then follow that verified physical system. For suffix 0 of this example, address **10997434331** resolves as **NGC 2244 Sector GW-M d7-0**, also confirmed in GalMap.

- Use **Check target** to resolve a questionable target when an address reference is available. Keep both the actual name and the original survey sequence in view.
- Then **Check entire boxel** can search the original prefix plus alternate prefixes already verified for that boxel. This improves bulk coverage without guessing a new name for every sibling.
- Journal arrivals and scans can match a known physical boxel by address, including an individual suffix not checked previously. Bounds and exclusions still apply; later scans update the system actually visited.

What remains unresolved

Without a trustworthy reference address, the extension cannot derive the missing naming region from a failed prefix alone. Try a full generated name in GalMap, note the actual resolved name and obtain valid catalogue or journal evidence. If it still cannot be verified, leave that work outstanding or choose another anchor. Do not mark a name as fully scanned just because a different system was selected.

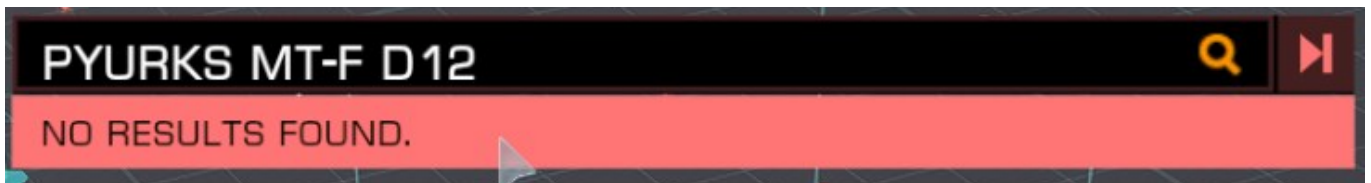
A visible naming prefix may list only part of the physical range. Gaps do not prove nonexistent systems, and the highest suffix under one alternate prefix does not automatically prove the whole boxel's endpoint. Keep uncertain bounds open. The address fix is evidence-based; it does not predict all unknown aliases.

Evidence and remaining naming limits

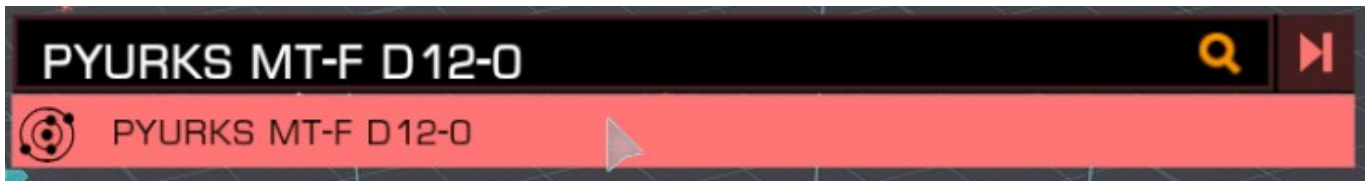
<https://github.com/Oberonmeister/systematic-boxel-survey/blob/main/HIERARCHY-ISSUE.md>

16 When Galaxy Map says no results

A failed prefix search can be a Galaxy Map lookup problem even when the name is correct. These three captures show a separate issue from a genuine alternate-name overlap. The same **Pyrks MT-F d12** prefix initially failed, then worked after selecting a full system name.



1. Searching the prefix Pyrks MT-F d12 returned No results found.



2. Adding -0 produced an exact match. Select the returned system.



3. Returning to the same prefix then revealed the sequence. The cause is unconfirmed; this is an observed workaround, not a guarantee.

If a prefix fails, try a complete name such as prefix-0, select its result, and retry the prefix. Compare the actual selected name with your input. If it differs, follow the address-verification workflow. If it does not resolve, neither that failure nor a catalogue search miss proves the boxel is empty.

Autocomplete can sort suffixes lexicographically: -1, -10, -11 ... -2. Inspect numerical bounds carefully. A list that ends on screen is not proof that the sequence ends there.

17 Back up and recover the survey

Use **Export backup** regularly and before updating. Replace the HTML in the **same saved JACoB tab** so its storage namespace survives. Keep the original Elite journals: the extension's reduced history and public catalogues are not substitutes for a journal archive.

What the backup contains

The workspace includes surveys, bounds, selected targets, recorded evidence, policy choices and saved anchor lists. Importing restores that workspace; it replaces the currently loaded workspace rather than merging two independent ones. Export the current workspace first if you need both. Clipboard-helper pairing is stored separately, and JACoB grants permissions per browser/tab revision.

Reset is a recovery action

Reset tab to defaults starts a recovery-backup download and asks for confirmation before clearing this extension's surveys and options. Keep the recovery file. It does not delete Elite journals or reset JACoB's other tabs and settings. Import the recovery backup to restore your survey work.

Recover visits from the original journals

Check JACoB's configured journal folder, then choose **Recover all journal history**. The first history import for a survey can be lengthy. Let it finish, read the Activity log, and retry a paused recovery if older history is still missing. Catalogue checks and recovery share the work queue, so Stop used for one task can pause the active work.

Recovery merges earlier scan evidence without erasing later evidence or moving the live location backwards. It includes flights made before installing this extension. Missing, moved or deleted journal files cannot be inferred from the fact that you once submitted a system to a catalogue.

Recover missing uploads separately

The survey does not upload exploration data. Keep EDMC or your normal uploader running and allow for catalogue indexing delays. If it was off, preserve your journals and use that service's supported import/replay procedure. EDMC's **Update** button is not a general historical Scan-event replay. Recovering history in this tab does not resubmit it to EDSM or EDDN. [1, 2]

Keep one writer

A saving-conflict message can mean another browser/device is saving the same tab. Preserve unsaved work with an export, close the competing instance and reload. Hiding a custom tab does not necessarily stop it. Do not keep resetting the survey to resolve a concurrent-view problem.

JACoB's tab storage is finite. If a capacity error appears, export/archive finished surveys before removing them. Saved lists and surveys are separate: removing a list keeps its surveys; removing a survey removes its progress.

18 Troubleshoot without losing progress

Symptom	First practical step
Native copying is available but not active	Click Copy Target once after opening/reloading. Allow Write the host clipboard if prompted; keep Copy target when it changes enabled.
Native permission denied	Use Tab Manager > Reset permissions for this tab, then retry a Copy button. The extension does not bypass denial through the helper.
Native host-only error on a phone/tablet	Use the survey in the browser on the JACoB host. Pairing and remote admin access do not grant native clipboard writes.
Helper timeout	If helper mode is intentional, start its shortcut and confirm its paired tab and journal folder. Otherwise choose Automatic on a native-capable host.
Old visits missing / only Honked on a revisit	Verify the original journal folder, recover all history and wait for completion. After checking the actual system, explicit full-scan confirmation can record a completed scan.
Major bodies complete; belts unverified	Public inventory may not prove belt completion. Inspect the actual system; confirm full scan only when justified. No belts means none to scan, but missing evidence can still be uncertain.
Catalogue error or stopped batch	Read the provider message; retry Check target when the service responds. Errors do not prove absence.
Whole-boxel check / automatic iteration disabled	Supply a verified final suffix for the active boxel. Unknown bounds intentionally disable these operations.
Prefix not found or missing suffixes	Try a full name, select it, then retry the prefix. Check actual-name/address evidence for overlap; keep uncertain work outstanding.
Overlay reverts / saving conflict	Close duplicate running survey views, including on other devices. Export unsaved work before reloading the one you keep.
Current system is outside scope	Often normal while travelling. It adds no progress to this survey. For an alias, verify the physical address and bounds before assuming a mismatch.
LAN device cannot connect	Use Network Doctor; check the displayed Connect URL, pairing, guest Wi-Fi isolation and VPN restrictions. [3]

When reporting an issue, include the extension/JACoB versions, relevant system names, exact visible error and steps to reproduce. Keep journal files, backups, helper connection tokens and JACoB state out of public reports unless you have deliberately reviewed what they contain.

19 Quick field checklist and resources

- JACoB and your uploader read the correct journals. Keep live submission enabled.
- Run one survey instance on the host. Click Copy Target once after opening it to enable native automatic copies; confirm the method/status.
- Choose a source and anchor. For the standard method, include D plus its eight C populations. Save/reopen a highway anchor list instead of rebuilding the route.
- Verify inclusive final suffixes. Leave uncertain bounds unknown; prefix gaps and failed searches are not endpoints.
- Run Check entire boxel when bounded. Review uncertainty, age and personal-visit policy; use address evidence for alternate names.
- Copy, plot manually and jump. Arrival prepares the next target; finish FSS and any belts in the system you are visiting. Biology stops are optional.
- Use Copy Target if the clipboard was replaced. Arrows and automatic iteration never certify unfinished systems.
- Return to the saved anchor list for the next highway survey. Review outstanding rows, verify uploads and export a backup.

Project repositories and maintained guide

JACoB

<https://github.com/pseudo6626/JACoB>

Systematic Boxel Survey

<https://github.com/Oberonmeister/systematic-boxel-survey>

Always-current guide - stable address

https://github.com/Oberonmeister/systematic-boxel-survey/blob/main/docs/OASIS_SRIGS_Boxel_Exploration_Guide.pdf

References

[1] EDMC Update button explanation

<https://github.com/EDCD/EDMarketConnector/discussions/1474>

[2] EDMC usage and setup

<https://github.com/EDCD/EDMarketConnector/wiki>

[3] JACoB user guide - LAN and QR pairing

https://github.com/pseudo6626/JACoB/blob/main/docs/USER_GUIDE.md

[4] JACoB native clipboard

https://github.com/pseudo6626/JACoB/blob/main/docs/NATIVE_CLIPBOARD.md

[5] JACoB security and LAN limits

<https://github.com/pseudo6626/JACoB/blob/main/docs/SECURITY.md>

Additional resources: EDDN (github.com/EDCD/EDDN); Observatory plugins (edjp.colacube.net/observatory). Older EDMC screenshots illustrate configuration; use current uploader documentation if labels differ.

20 Edition notes

Guide 2.1 - 21 October 2026

This edition documents Systematic Boxel Survey **1.0.10**. It preserves the OASIS / SRIGS systematic exploration method and replaces the earlier helper-first instructions with native JACoB clipboard setup. JACoB's current README identifies field build 0.2.20 Alpha / SDK15; native clipboard began in Alpha0.2.19. Consult its maintained documentation for later changes.

Change since guide 2.0	Where to find it
Reusable highway sources	Saved anchor lists, naming, returning to the source and resuming surveys.
Catalogue context	EDSM commander attribution, UTC body updates, pre-Odyssey interpretation and stale-data policy.
Overlapping names	Verified address aliases for copying, HUD, catalogues and journals; limits without a reference.
Galaxy Map lookup failure	The observed full-name/select/retry-prefix workaround, distinct from a real alias.
Native clipboard	Automatic method selection, per-session initialization, permission handling and optional helper retirement.
Remote JACoB access	Settings pairing, startup QR, local-network controls, host-only clipboard and duplicate-view limits.
Field practice	History recovery patience, completion versus navigation, backups and outstanding-work review.

Scope and comparisons

The extension combines explicit nested scope, saved route anchors, dual-catalogue checks, personal journal evidence and persistent outstanding work. These are the practical advantages over the guide's former EDJP-centred workflow. This is not an exhaustive feature comparison with every current exploration app, and the tool does not guarantee complete catalogue coverage or accurate generated names without supporting evidence.

About the method and its examples

Highway candidate priorities, the 2-4 hour local survey experience and the D/C biology strategy are the author's field practice. They are not universal game rules or guaranteed income. Independent explorers can choose a different scope, completion policy and landing strategy.

Screenshots supplied by the author show real surveys at different stages. Some retain older version labels; they illustrate unchanged controls or the observed failure. New clipboard controls are from 1.0.10. The PDF bookmarks follow the reading order.

Credits

Survey method, requirements and field testing: **Oberonmeister / SRIGS**. JACoB platform, SDK and adapted examples: **Pseudo6626**. The extension and this guide were developed with AI assistance. EDSM, Spansh and the EDCD tools provide the community infrastructure used by the workflow.

The guide has a fixed repository filename. Future editions replace that file so site links remain usable; Git history retains prior published revisions. Local copies and browser caches do not update automatically.