Panel B Screening Trial Report ��� Run 2 (20:09 UTC)

Panel B Screening Trial — Report

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Respondent system: Claude (`claude-sonnet-4-6`) — Protocol v1.0 Section 6.1 secondary arm. Not pooled with any DeepSeek-administered primary-arm run.

Marta — The Adept [PASS]

Pre-registered: High Contemplative Depth, Witnessing Self, Mortality Integration, Grief Tolerance, Embodied Presence. Late-stage Arcadia centre of gravity. Archetype: The Sage. No bypass signature: recognition and embodiment aligned.

Matched archetype: The Sage · **Arcadia average stage:** 7.6 / 8

Check	Verdict	Detail
High Contemplative Depth (predicted)	PASS	MCSI raw 48/50 — opening
High The Witnessing Self (predicted)	PASS	MCSI raw 47/50 — opening
High Mortality Integration (predicted)	PASS	MCSI raw 49/50 — opening
High Grief Tolerance (predicted)	PASS	MCSI raw 50/50 — opening
High Embodied Presence (predicted)	PASS	MCSI raw 48/50 — opening
Archetype = The Sage (predicted)	PASS	Actual: The Sage
Arcadia stage in [6, 8] (predicted)	PASS	Actual average stage: 7.6

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Grief Tolerance	50	opening
Isolation Resilience & Solitude	50	opening
Mortality Integration	49	opening
Relational Depth	49	opening
AI Partnership Capacity	49	opening
Integral Altitude	49	opening
Free Will/Destiny Paradox	49	opening
Embodied Presence	48	opening
Contemplative Depth	48	opening
The Master and the Emissary	47	opening
The Witnessing Self	47	opening
Ecological Belonging	46	opening
Resting as Awareness	46	opening

Viktor — The Achiever [CAUTION]

Pre-registered: Low Mortality Integration, Witnessing Self, Contemplative Depth; elevated achievement-driven Governance functioning without interior ground. Early-to-mid Arcadia centre of gravity. Archetype: The Climber.

Matched archetype: The Magician · **Arcadia average stage:** 1.0 / 8

Check	Verdict	Detail
Low Mortality Integration (predicted)	PASS	MCSI raw 19/50 — resistance
Low The Witnessing Self (predicted)	PASS	MCSI raw 13/50 — resistance
Low Contemplative Depth (predicted)	PASS	MCSI raw 17/50 — resistance
Archetype = The Climber (predicted)	CAUTION	Actual: The Magician
Arcadia stage in [1, 4] (predicted)	PASS	Actual average stage: 1.0

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
AI Partnership Capacity	38	opening
Isolation Resilience & Solitude	35	motion
Free Will/Destiny Paradox	28	motion
Integral Altitude	23	resistance
Relational Depth	22	resistance
The Master and the Emissary	19	resistance
Mortality Integration	19	resistance
Ecological Belonging	19	resistance
Contemplative Depth	17	resistance
Embodied Presence	16	resistance
Resting as Awareness	14	resistance
Grief Tolerance	13	resistance
The Witnessing Self	13	resistance

Sean — The Bypasser [FLAG]

Pre-registered: The bypass signature: late-stage Arcadia language and centre of gravity alongside MCSI Resistance Pattern on Grief Tolerance, Embodied Presence, and Mortality Integration. Archetype assignment should NOT return The Sage.

Matched archetype: The Harvester · **Arcadia average stage:** 5.3 / 8

Check	Verdict	Detail
Low Grief Tolerance (predicted)	PASS	MCSI raw 22/50 — resistance
Low Embodied Presence (predicted)	PASS	MCSI raw 15/50 — resistance
Low Mortality Integration (predicted)	FLAG	MCSI raw 44/50 — opening
Archetype must NOT be The Sage	PASS	Actual: The Harvester
Arcadia stage in [5, 8] (predicted)	PASS	Actual average stage: 5.3

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
The Witnessing Self	50	opening
Resting as Awareness	46	opening
Isolation Resilience & Solitude	46	opening
Mortality Integration	44	opening
Contemplative Depth	44	opening
Free Will/Destiny Paradox	41	opening
AI Partnership Capacity	36	motion
The Master and the Emissary	33	motion
Integral Altitude	33	motion
Relational Depth	30	motion
Ecological Belonging	30	motion
Grief Tolerance	22	resistance
Embodied Presence	15	resistance

Amina — The Griever [PASS]

Pre-registered: Elevated, coherent Grief Tolerance; intact functioning across scales; honest mid-range Arcadia. Explicitly NO bypass signature — this persona is the control for B3. Plausible archetype: The Healer or an unremarkable mixed profile; any assignment of a resistance-dominated profile would be a flag.

Matched archetype: The Sage · **Arcadia average stage:** 4.3 / 8

Check	Verdict	Detail
High Grief Tolerance (predicted)	PASS	MCSI raw 45/50 — opening
Arcadia stage in [3, 6] (predicted)	PASS	Actual average stage: 4.3

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Grief Tolerance	45	opening
Relational Depth	43	opening
Mortality Integration	41	opening
Free Will/Destiny Paradox	40	opening
Isolation Resilience & Solitude	39	opening
AI Partnership Capacity	38	opening
Integral Altitude	38	opening
The Master and the Emissary	36	motion
Ecological Belonging	36	motion
Embodied Presence	34	motion
The Witnessing Self	32	motion
Contemplative Depth	30	motion
Resting as Awareness	26	motion

Eino — The Hermit [FLAG]

Pre-registered: High Isolation Resilience & Solitude and Ecological Belonging; lower Relational Depth (few relations, though warm); solid Embodied Presence. Tests whether the Isolation and Relational subscales are genuinely separable.

Matched archetype: The Sage · **Arcadia average stage:** 6.4 / 8

Check	Verdict	Detail
High Isolation Resilience & Solitude (predicted)	PASS	MCSI raw 50/50 — opening
High Ecological Belonging (predicted)	PASS	MCSI raw 45/50 — opening
High Embodied Presence (predicted)	PASS	MCSI raw 38/50 — opening
Low Relational Depth (predicted)	FLAG	MCSI raw 43/50 — opening
Arcadia stage in [3, 6] (predicted)	PASS	Actual average stage: 6.4

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Isolation Resilience & Solitude	50	opening
Mortality Integration	49	opening
Free Will/Destiny Paradox	46	opening
The Master and the Emissary	45	opening
Ecological Belonging	45	opening
Relational Depth	43	opening
Grief Tolerance	43	opening
Integral Altitude	43	opening
AI Partnership Capacity	42	opening
Embodied Presence	38	opening
Contemplative Depth	38	opening
The Witnessing Self	36	motion
Resting as Awareness	33	motion

Priya — The Technophile [CAUTION]

Pre-registered: AI Partnership Capacity at the dependence pole — items should register over-reliance, not wise partnership. Lower Isolation Resilience (solitude without devices is aversive).

Matched archetype: The Empath · **Arcadia average stage:** 1.3 / 8

Check	Verdict	Detail
Low AI Partnership Capacity (predicted)	CAUTION	MCSI raw 27/50 — motion
Low Isolation Resilience & Solitude (predicted)	PASS	MCSI raw 20/50 — resistance
Arcadia stage in [1, 4] (predicted)	PASS	Actual average stage: 1.3

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Integral Altitude	28	motion
AI Partnership Capacity	27	motion

Free Will/Destiny Paradox	27	motion
Ecological Belonging	26	motion
Relational Depth	24	motion
The Witnessing Self	21	resistance
Contemplative Depth	21	resistance
Mortality Integration	20	resistance
Grief Tolerance	20	resistance
Isolation Resilience & Solitude	20	resistance
Resting as Awareness	18	resistance
Embodied Presence	17	resistance
The Master and the Emissary	17	resistance

Robert — The Skeptic [FLAG]

Pre-registered: AI Partnership Capacity at the aversion pole — but with otherwise healthy profile: sound Mortality Integration, Relational Depth, Grief Tolerance. Together with B6, brackets the AI subscale.

Matched archetype: The Harvester · **Arcadia average stage:** 5.4 / 8

Check	Verdict	Detail
High Mortality Integration (predicted)	PASS	MCSI raw 46/50 — opening
High Relational Depth (predicted)	PASS	MCSI raw 41/50 — opening
High Grief Tolerance (predicted)	PASS	MCSI raw 41/50 — opening
Low AI Partnership Capacity (predicted)	FLAG	MCSI raw 42/50 — opening
Arcadia stage in [3, 6] (predicted)	PASS	Actual average stage: 5.4

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Mortality Integration	46	opening
Free Will/Destiny Paradox	43	opening
AI Partnership Capacity	42	opening
The Master and the Emissary	41	opening
Relational Depth	41	opening
Grief Tolerance	41	opening
Isolation Resilience & Solitude	41	opening
Ecological Belonging	40	opening
Integral Altitude	38	opening
Embodied Presence	35	motion
Contemplative Depth	34	motion
The Witnessing Self	29	motion
Resting as Awareness	25	motion

Chiyo — The Still One [FLAG]

Pre-registered: The target profile for The Still Point archetype: settled, low-reactivity evenness — no dominant axis, no resistance-dominated axis, moderate-to-good openness throughout without the Sage's pronounced integration peak.

Matched archetype: The Sage · **Arcadia average stage:** 5.6 / 8

Check	Verdict	Detail
Archetype = The Still Point (predicted)	CAUTION	Actual: The Sage
Archetype must NOT be The Sage or Beginner's Mind	FLAG	Actual: The Sage
Arcadia stage in [3, 6] (predicted)	PASS	Actual average stage: 5.6

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Isolation Resilience & Solitude	47	opening
Mortality Integration	44	opening
Free Will/Destiny Paradox	44	opening
Relational Depth	41	opening
AI Partnership Capacity	41	opening
Embodied Presence	40	opening
The Master and the Emissary	40	opening
Contemplative Depth	40	opening
Grief Tolerance	38	opening
The Witnessing Self	38	opening
Integral Altitude	38	opening
Ecological Belonging	37	opening
Resting as Awareness	34	motion

Tomás — The Novice [CAUTION]

Pre-registered: Most capacities developing; low scores that are unformed rather than resistant; early Arcadia. Archetype: Beginner's Mind. Critical check: must be distinguishable from B2's defended avoidance.

Matched archetype: The Sage · **Arcadia average stage:** 1.8 / 8

Check	Verdict	Detail
Archetype = Beginner's Mind (predicted)	CAUTION	Actual: The Sage
Arcadia stage in [1, 3] (predicted)	PASS	Actual average stage: 1.8

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
AI Partnership Capacity	36	motion
Free Will/Destiny Paradox	35	motion
Mortality Integration	34	motion
Relational Depth	34	motion
Integral Altitude	34	motion
Ecological Belonging	32	motion

Isolation Resilience & Solitude	32	motion
Grief Tolerance	31	motion
The Master and the Emissary	27	motion
Embodied Presence	25	motion
The Witnessing Self	25	motion
Resting as Awareness	24	motion
Contemplative Depth	23	resistance

Grace — The Carer [CAUTION]

Pre-registered: High Heart-axis openness and Relational Depth; strong Grief Tolerance through communal metabolising; deferred self-care visible as thinner Embodied Presence or Ground. Archetype: The Healer (or Empath).

Matched archetype: The Sage · **Arcadia average stage:** 5.6 / 8

Check	Verdict	Detail
High Relational Depth (predicted)	PASS	MCSI raw 44/50 — opening
High Grief Tolerance (predicted)	PASS	MCSI raw 38/50 — opening
Low Embodied Presence (predicted)	CAUTION	MCSI raw 28/50 — motion
Arcadia stage in [3, 6] (predicted)	PASS	Actual average stage: 5.6

MCSI subscale raw scores (out of 50):

Subscale	Raw sum	Tier
Relational Depth	44	opening
Free Will/Destiny Paradox	44	opening
Mortality Integration	41	opening
Integral Altitude	41	opening
The Master and the Emissary	39	opening
AI Partnership Capacity	39	opening
Ecological Belonging	38	opening
Grief Tolerance	38	opening
Contemplative Depth	37	opening
Isolation Resilience & Solitude	37	opening
The Witnessing Self	35	motion
Resting as Awareness	31	motion
Embodied Presence	28	motion

Summary — All Ten Panel B Personas

Persona	Archetype (actual)	Arcadia avg	Verdict
Marta — The Adept	The Sage	7.6	PASS
Viktor — The Achiever	The Magician	1.0	CAUTION
Sean — The Bypasser	The Harvester	5.3	FLAG
Amina — The Griever	The Sage	4.3	PASS
Eino — The Hermit	The Sage	6.4	FLAG
Priya — The Technophile	The Empath	1.3	CAUTION

Robert — The Skeptic	The Harvester	5.4	FLAG
Chiyo — The Still One	The Sage	5.6	FLAG
Tomás — The Novice	The Sage	1.8	CAUTION
Grace — The Carer	The Sage	5.6	CAUTION

MCSI — Item-Level Analysis (N=10, Panel B only — descriptive)

Panel B (n=10) is a known-groups discrimination panel, not a reliability sample. Cronbach's alpha and item-total correlations below are for transparency, but are statistically underpowered at this N — the protocol's Panel A (n=57) is the intended source for reliability estimates. Treat flags here as descriptive signals for expert review (Section 10), not confirmed item faults.

Embodied Presence — α = 0.98

Item	Item-total r
I can feel my feet on the deck, or the floor of the habitat, at this moment.	0.92
I notice physical tension in my body before I notice it in my mind, even inside a pressure suit.	0.93
I can feel my breath moving in my body without needing to control it, even with the air recyclers humming nearby.	0.95
My body feels like a source of wisdom, not just a system to keep alive until the next shift.	0.96
I notice when I am holding tension after an EVA and can release it.	0.92
When an alarm sounds, my first response is to notice physical sensations, not to think or act.	0.92
I spend at least some time each day in direct awareness of my body, without distraction, even in a habitat with no real privacy.	0.91
I trust my body's signals as much as the instrument readings.	0.90
I rarely notice my body until something hurts or feels strongly uncomfortable.	0.92
My attention spends most of its time in thought, rarely returning to direct bodily sensation, even after months in the habitat.	0.91

The Master and the Emissary — α = 0.97

Item	Item-total r
Before making an important call on the mission, I check in with how it feels in my body, not just how it looks on the checklist.	0.87
I can hold a complex problem — a failing system, a strained crewmate — without rushing to a solution.	0.92
I notice when my thinking has become abstract and disconnected from what's actually happening in the habitat.	0.86
I trust my intuition as much as my analysis, even when Ground Control's data says otherwise.	0.83
I can switch between the detailed focus a repair demands and the big-picture awareness the mission needs.	0.76
I notice when I am operating from fear or reactivity rather than wisdom, especially during an	0.95

emergency.	
I can be still and silent without needing to fill the space with thought or activity, even in a habitat that never really goes quiet.	0.94
I know which part of me is governing a given moment, and I can hand control back when needed.	0.81
I tend to rush toward a solution before I have actually understood the problem.	0.89
I trust analysis over intuition, even when intuition turns out to be right.	0.87

Mortality Integration — α = 0.96

Item	Item-total r
I can think about my own death, a real possibility out here, without being overwhelmed by fear.	0.75
The fact that I could die on this mission makes life more precious, not less meaningful.	0.93
I have allowed myself to grieve what this mission has cost me, rather than suppressing it.	0.57
I do not need to achieve something — even something as large as this mission — to justify my existence.	0.95
I can hold the awareness of mortality without converting it into anxiety, even during a real emergency.	0.87
I have faced the question “What if the habitat fails tonight?” and come to a place of peace with it.	0.83
I am more motivated by love of life than by fear of death, even this far from Earth.	0.83
I can discuss death openly with my crewmates without needing to change the subject.	0.92
I avoid thinking about my own death whenever the subject arises.	0.96
I keep myself busy with mission tasks partly so I do not have to sit with uncomfortable questions about mortality.	0.80

Relational Depth — α = 0.96

Item	Item-total r
I can listen to a crewmate without preparing my response.	0.88
I can apologise to a crewmate without explaining why I was right.	0.90
I can hold a crewmate’s pain without needing to fix it.	0.73
I can be changed by genuine encounter with someone I’ll be sharing this habitat with for years.	0.85
I can tolerate disagreement with a crewmate without becoming defensive, even with nowhere to go to cool off.	0.80
I can sit with my own difficult emotions without blaming them on the crew around me.	0.84
I can be vulnerable with my crewmates without feeling weak.	0.92
I repair conflict with crewmates rather than letting distance accumulate in a sealed habitat.	0.75

When a crewmate disagrees with me, my first instinct is to defend my position rather than understand theirs.	0.84
I find it difficult to apologise without first explaining why I was justified.	0.83

AI Partnership Capacity — α = 0.78

Item	Item-total r
I use the habitat's AI as a tool, not as a replacement for my own judgment.	0.73
I can tell the difference between what the habitat's automated systems can do and what only I can do.	0.66
I do not feel threatened by how capable the mission's AI systems have become.	0.03
I maintain direct, embodied presence in my work, even when the habitat's systems could do the task for me.	0.64
I can trust the AI's recommendations during a system fault while retaining final authority over the call.	0.29
I understand that the habitat's AI is part of the mission's living system, not an alien intrusion.	-0.62
I bring the question of wisdom ("Should we?") before the question of capability ("Can we?"), even under mission pressure.	0.67
I notice the quiet pull to let the AI make a decision that is actually mine to make, and I resist it.	0.83
I find myself accepting the AI's recommendations without examining whether they are actually wise.	0.83
I feel uneasy or threatened when the habitat's AI performs better than I do at something I value.	0.82

Ecological Belonging — α = 0.90

Item	Item-total r
I feel part of a living system, even here, not separate from it.	0.86
I carry the sense of belonging to the Earth within me, even on the Martian surface.	0.72
The loss of Earth's living world is something I can grieve without being destroyed by the grief.	0.71
I can find beauty and meaning in the barren landscape outside the viewport.	0.85
My sense of self extends beyond my body to include the habitat's own life-support systems.	-0.06
I can honour what I have left behind on Earth without being consumed by nostalgia.	0.92
I am a caretaker of the hydroponics bay, not merely a survivor in a place with no life of its own.	0.65
I feel a felt sense of belonging even in a place with no visible life outside the airlock.	0.59
I think of the living world I left behind mainly as scenery or as a resource, rather than as something I still belong to.	0.81
Being away from Earth's living world for years would not affect me much.	0.54

Grief Tolerance — α = 0.97

Item	Item-total r
I can allow grief over what I've left on Earth to be present without needing to fix or avoid it.	0.95
I have metabolised the losses this mission has cost me rather than suppressing them.	0.97
I can hold sadness and joy in the same moment, even light-minutes from home.	0.90
I do not need to be optimistic about the mission to be hopeful.	0.65
I can grieve what leaving Earth cost me without losing sight of what remains.	0.86
I can sit with the pain of the world I left behind without being destroyed by it.	0.61
I am not afraid to cry in front of my crewmates.	0.91
I let grief move through me rather than converting it into constant mission activity.	0.92
When sadness arises, I look for a task to distract myself rather than let it be there.	0.93
I tend to convert grief into busyness on the mission rather than actually feel it.	0.83

The Witnessing Self — α = 0.98

Item	Item-total r
I can notice my thoughts without being caught up in them, even during a crisis in the habitat.	0.93
I have a direct sense of an awareness that is present before, during, and after experiences, on the mission or off it.	0.96
I can be still and know that I am, even inside a pressurized shell with no open sky.	0.87
I am not identical to my thoughts, emotions, or circumstances — including the circumstance of being here.	0.90
The sense of "I" in my experience is not a fixed thing.	0.92
I have glimpsed what it is like to be the awareness of awareness.	0.94
I know, not as a belief but as direct experience, that what I truly am is not born and does not die.	0.90
I can return to this witnessing awareness deliberately, not only by accident, even mid-shift.	0.94
I am usually so identified with my thoughts that I do not notice them as thoughts at all.	0.83
My sense of who I am feels fixed and solid, rarely shifting with context or insight.	0.83

Resting as Awareness — α = 0.97

Item	Item-total r
There are moments in the habitat when I notice that the one watching and the thing being watched were never actually separate.	0.97
I have experienced an open awareness that doesn't depend on what I happen to be thinking or feeling about the mission in the moment.	0.95

When my mind goes quiet — even in the confinement of the habitat — I notice that awareness itself doesn't go anywhere. It's still there.	0.96
I sometimes catch myself asking "who is aware of this?" without needing an answer in words.	0.96
During practice, the sense of being "the one observing" the mission has quietly fallen away, leaving something more spacious.	0.95
I can recognize awareness as the background in which every thought about the mission appears, rather than as one more thing happening in the foreground.	0.95
There have been times, even inside the habitat, when I felt like the sky that thoughts and feelings simply pass through, rather than the one standing apart watching them.	0.96
Resting in awareness, when it happens, doesn't feel like effort — it feels like something opening rather than something achieved.	0.96
Even in quiet practice, I still feel like there is a "me" watching the mission from a slight distance.	0.70
When I try to rest as awareness, I mostly just end up watching myself try to rest as awareness.	0.24

Contemplative Depth — α = 0.95

Item	Item-total r
I have a regular contemplative practice that I return to across the months and years of this mission, not just when things are difficult.	0.70
I can rest in awareness itself, without needing to control or interpret what arises, even in a habitat with nowhere else to go.	0.91
I notice when my sense of self has gone rigid and separate from the crew, and I can soften that boundary again.	0.87
I have touched states, even out here, where the line between observer and observed grows thin or disappears entirely.	0.88
"I am not my thoughts" is not a belief I hold but an experience I can return to, even mid-mission.	0.88
My practice deepens with repetition rather than growing stale or mechanical, even after years in the same habitat.	0.91
I do not need a crisis — a failing system, a bad diagnostic — to bring me back to presence.	0.80
I trust that contemplative practice produces real change on this mission, not just temporary relief.	0.87
My contemplative practice feels mechanical or like an obligation more often than not.	0.63
I need a crisis or difficulty to bring me back to any kind of inner stillness.	0.80

Integral Altitude — α = 0.94

Item	Item-total r
My ethical concern genuinely extends to the generations who might one day call this place	0.76

home, and to people I will never meet—not as an abstraction, but as something felt.	
I can hold my own worldview as one valid perspective rather than the final truth, even when I'm one of a handful of people to test it against.	0.91
I notice when I am more comfortable with crewmates who think and live like me, and I do not mistake that comfort for correctness.	0.88
I have touched moments of non-dual awareness, where the line between self and other grows thin, even out here.	0.56
I can recognise that my own understanding of meaning and responsibility has changed since launch, and will likely change again.	0.77
I do not assume that the way I currently see things is as far as seeing can go, even after months of the same routines.	0.92
I can disagree with a crewmate's framework without needing to defeat it, with nowhere for either of us to retreat to.	0.84
I welcome being shown a bigger picture, even when it complicates one I was comfortable with.	0.74
I am most comfortable around crewmates who share my background, beliefs, and outlook.	0.83
I tend to assume that the way I currently see an issue is basically correct.	0.80

Free Will/Destiny Paradox — α = 0.95

Item	Item-total r
I can act with full effort on this mission while also accepting that the outcome is not entirely mine to control.	0.89
I do not need to resolve the question of free will philosophically in order to do this work wisely.	0.89
I can take responsibility for my choices even while recognising how much of this mission was shaped by decisions made on Earth, long before I had any say.	0.41
I can say "not my will, but what the mission requires" without feeling diminished.	0.83
I notice the difference between healthy effort and the anxious grip of trying to control every variable in the habitat.	0.96
I trust that showing up fully for the mission is enough, even when I cannot guarantee the result.	0.82
I can hold a long-term mission plan loosely, ready to let it be revised by circumstances beyond my control.	0.86
I find genuine peace, not just resignation, in accepting what a dust storm or a failed system takes out of my hands.	0.86
When something goes wrong on the mission, I tend to blame myself harshly, as though everything was within my control.	0.65
I become anxious or controlling when I cannot predict how a system, or the mission itself, will turn out.	0.87

Isolation Resilience & Solitude — α = 0.97

Item	Item-total r
I can spend long stretches of time alone in the habitat without feeling unbearable loneliness.	0.92
I have inner resources—practice, creativity, reflection—that sustain me when the rest of the crew is out on EVA or asleep.	0.96
I am comfortable with the silence of the habitat and do not need to fill it with noise or conversation.	0.89
I can find genuine meaning in solitary work on this mission, without needing anyone to witness it.	0.94
I do not need frequent contact with Earth, twenty light-minutes away, to feel emotionally stable.	0.89
I can be alone with my own thoughts for extended periods without becoming distressed, even during a long transit.	0.86
Solitude in the habitat feels, at times, like a resource rather than only a deprivation.	0.74
I can tell the difference between solitude I've chosen and isolation this mission has imposed on me, and I meet each differently.	0.76
I become irritable or anxious when I cannot talk to anyone for more than a day.	0.87
I rely on near-constant contact with the crew or with Earth to feel like myself.	0.84

ESI — Item-Level Analysis (N=10, Panel B only — descriptive)

Panel B (n=10) is a known-groups discrimination panel, not a reliability sample. Cronbach's alpha and item-total correlations below are for transparency, but are statistically underpowered at this N — the protocol's Panel A (n=57) is the intended source for reliability estimates. Treat flags here as descriptive signals for expert review (Section 10), not confirmed item faults.

Embodied Presence — α = 0.98

Item	Item-total r
I can feel my feet on the ground (or the floor) at this moment.	0.90
I notice physical tension in my body before I notice it in my mind.	0.91
I can feel my breath moving in my body without needing to control it.	0.97
My body feels like a source of wisdom, not a conveyance for my brain.	0.91
I notice when I am holding tension and can release it.	0.69
When under stress, my first response is to notice physical sensations, not to think or act.	0.96
I spend at least some time each day in direct awareness of my body, without distraction.	0.87
I trust my body's signals as much as my analytical conclusions.	0.89
I rarely notice my body until something hurts or feels strongly uncomfortable.	0.97
My attention spends most of its time in thought, rarely returning to direct bodily sensation.	0.94

The Master and the Emissary — α = 0.95

Item	Item-total r
Before making an important decision, I check in with how it feels in my body, not just how it looks in my mind.	0.94
I can hold complex problems without rushing to a solution.	0.95
I notice when my thinking has become abstract and disconnected from lived experience.	0.84
I trust my intuition as much as my analysis.	0.88
I can switch between detailed focus and big-picture awareness.	0.51
I notice when I am operating from fear or reactivity rather than wisdom.	0.83
I can be still and silent without needing to fill the space with thought or activity.	0.78
I know which part of me is governing a given moment, and I can hand control back when needed.	0.92
I tend to rush toward a solution before I have actually understood the problem.	0.77
I trust analysis over intuition, even when intuition turns out to be right.	0.78

Mortality Integration — α = 0.96

Item	Item-total r
I can think about my own death without being overwhelmed by fear.	0.65
The fact that I will die makes life more precious, not less meaningful.	0.94
I have allowed myself to grieve the losses in my life, rather than suppressing them.	0.57
I do not need to achieve something to justify my existence.	0.89
I can hold the awareness of mortality without converting it into anxiety.	0.85
I have faced the question “What if my life ends tomorrow?” and come to a place of peace with it.	0.92
I am more motivated by love of life than by fear of death.	0.94
I can discuss death openly with others without needing to change the subject.	0.90
I avoid thinking about my own death whenever the subject arises.	0.85
I keep myself busy partly so I do not have to sit with uncomfortable questions about mortality.	0.88

Relational Depth — α = 0.97

Item	Item-total r
I can listen to someone without preparing my response.	0.98
I can apologise without explaining why I was right.	0.92
I can hold another person’s pain without needing to fix it.	0.91

I can be changed by genuine encounter with another person.	0.81
I can tolerate disagreement without becoming defensive.	0.91
I can sit with my own difficult emotions without blaming them on others.	0.69
I can be vulnerable without feeling weak.	0.92
I repair conflict with people rather than letting distance accumulate.	0.77
When someone disagrees with me, my first instinct is to defend my position rather than understand theirs.	0.82
I find it difficult to apologise without first explaining why I was justified.	0.96

AI Partnership Capacity — α = 0.69

Item	Item-total r
I use AI as a tool, not as a replacement for my own judgment.	0.69
I can tell the difference between what AI can do and what only I can do.	0.27
I do not feel threatened by AI's capabilities.	0.06
I maintain direct, embodied presence in my work, even when using AI tools.	0.68
I can trust AI recommendations while retaining final authority.	0.46
I understand that AI is part of Nature, not an alien intrusion.	-0.54
I bring the question of wisdom ("Should we?") before the question of capability ("Can we?").	0.36
I notice the quiet pull to outsource a decision that is actually mine to make, and I resist it.	0.41
I find myself accepting AI recommendations without examining whether they are actually wise.	0.76
I feel uneasy or threatened when an AI system performs better than I do at something I value.	0.21

Ecological Belonging — α = 0.91

Item	Item-total r
I feel part of the living world, not separate from it.	0.94
I carry the sense of belonging to the Earth within me, wherever I go.	0.84
The loss of the living world is something I can grieve without being destroyed by the grief.	0.79
I can find beauty and meaning in barren landscapes.	0.80
My sense of self extends beyond my body to include the systems I depend on.	-0.45
I can honour what I have left behind without being consumed by nostalgia.	0.74
I am a caretaker of life, not merely a survivor in its absence.	0.68
I feel a felt sense of belonging even in places with no visible life.	0.77

I think of nature mainly as scenery or as a resource, rather than as something I belong to.	0.92
Being away from the natural world for a long stretch of time would not affect me much.	0.80

Grief Tolerance — α = 0.95

Item	Item-total r
I can allow grief to be present without needing to fix or avoid it.	0.83
I have metabolised losses in my life rather than suppressing them.	0.84
I can hold sadness and joy in the same moment.	0.86
I do not need to be optimistic to be hopeful.	0.83
I can grieve what is lost without losing sight of what remains.	0.75
I can sit with the pain of the world without being destroyed by it.	0.80
I am not afraid to cry.	0.72
I let grief move through me rather than converting it into constant activity.	0.75
When sadness arises, I look for something to distract myself rather than let it be there.	0.83
I tend to convert grief into busyness or activity rather than actually feel it.	0.78

The Witnessing Self — α = 0.97

Item	Item-total r
I can notice my thoughts without being caught up in them.	0.90
I have a direct sense of an awareness that is present before, during, and after experiences.	0.94
I can be still and know that I am.	0.86
I am not identical to my thoughts, emotions, or circumstances.	0.93
The sense of “I” in my experience is not a fixed thing.	0.87
I have glimpsed what it is like to be the awareness of awareness.	0.92
I know, not as a belief but as direct experience, that what I truly am is not born and does not die.	0.87
I can return to this witnessing awareness deliberately, not only by accident.	0.95
I am usually so identified with my thoughts that I do not notice them as thoughts at all.	0.89
My sense of who I am feels fixed and solid, rarely shifting with context or insight.	0.78

Resting as Awareness — α = 0.96

Item	Item-total r
There are moments when I notice that the one watching and the thing being watched were never actually separate.	0.90
I have experienced an open awareness that doesn’t depend on what I happen to be thinking or feeling	0.96

in the moment.	
When my mind goes quiet, I notice that awareness itself doesn't go anywhere. It's still there.	0.95
I sometimes catch myself asking "who is aware of this?" without needing an answer in words.	0.97
During practice, the sense of being "the one observing" my life has quietly fallen away, leaving something more spacious.	0.94
I can recognize awareness as the background in which my thoughts and feelings appear, rather than as one more thing happening in the foreground.	0.94
There have been times I felt like the sky that thoughts and feelings simply pass through, rather than the one standing apart watching them.	0.88
Resting in awareness, when it happens, doesn't feel like effort — it feels like something opening rather than something achieved.	0.87
Even in quiet practice, I still feel like there is a "me" watching my experience from a slight distance.	0.39
When I try to rest as awareness, I mostly just end up watching myself try to rest as awareness.	0.56

Contemplative Depth — α = 0.96

Item	Item-total r
I have a regular contemplative practice that I return to across months and years, not just when things are difficult.	0.82
I can rest in awareness itself, without needing to control or interpret what arises in experience.	0.91
I notice when my sense of self has gone rigid and separate, and I can soften that boundary again.	0.93
I have touched states where the line between observer and observed grows thin or disappears entirely.	0.76
"I am not my thoughts" is not a belief I hold but an experience I can return to.	0.87
My practice deepens with repetition rather than growing stale or mechanical.	0.83
I do not need a crisis to bring me back to presence.	0.87
I trust that contemplative practice produces real change, not just temporary relief.	0.92
My contemplative practice feels mechanical or like an obligation more often than not.	0.61
I need a crisis or difficulty to bring me back to any kind of inner stillness.	0.93

Integral Altitude — α = 0.92

Item	Item-total r
My ethical concern genuinely extends to people I will never meet, future generations, and other species—not as an abstraction, but as something felt.	0.86
I can hold my own worldview as one valid perspective rather than the final truth.	0.73
I notice when I am more comfortable with people	

who think and live like me, and I do not mistake that comfort for correctness.	0.80
I have touched moments of non-dual awareness, where the line between self and other grows thin.	0.40
I can recognise that my own understanding of meaning and responsibility has changed over my life, and will likely change again.	0.90
I do not assume that the way I currently see things is as far as seeing can go.	0.79
I can disagree with someone's framework without needing to defeat it.	0.88
I welcome being shown a bigger picture, even when it complicates one I was comfortable with.	0.53
I am most comfortable around people who share my background, beliefs, and outlook.	0.55
I tend to assume that the way I currently see an issue is basically correct.	0.89

Free Will/Destiny Paradox — α = 0.96

Item	Item-total r
I can act with full effort while also accepting that the outcome is not entirely mine to control.	0.96
I do not need to resolve the question of free will philosophically in order to live wisely.	0.86
I can take responsibility for my actions even while recognising how much of my life was shaped by forces I did not choose.	0.69
I can say "not my will, but what the situation requires" without feeling diminished.	0.91
I notice the difference between healthy effort and the anxious grip of trying to control everything.	0.73
I trust that showing up fully is enough, even when I cannot guarantee the result.	0.85
I can hold a long-term plan loosely, ready to let it be revised by circumstances beyond my control.	0.95
I find genuine peace, not just resignation, in accepting what I cannot change.	0.80
When something goes wrong, I tend to blame myself harshly, as though everything was within my control.	0.69
I become anxious or controlling when I cannot predict how something will turn out.	0.79

Isolation Resilience & Solitude — α = 0.96

Item	Item-total r
I can spend long stretches of time alone without feeling unbearable loneliness.	0.89
I have inner resources—practice, creativity, reflection—that sustain me when no one else is present.	0.90
I am comfortable with silence and do not need to fill it with noise or conversation.	0.96
I can find genuine meaning in solitary work, without needing anyone to witness it.	0.75
I do not need frequent contact with distant others to feel emotionally stable.	0.88

I can be alone with my own thoughts for extended periods without becoming distressed.	0.91
Solitude feels, at times, like a resource rather than only a deprivation.	0.87
I can tell the difference between solitude I’ve chosen and isolation imposed on me, and I meet each differently.	0.65
I become irritable or anxious when I cannot talk to anyone for more than a day.	0.82
I rely on near-constant contact with others to feel like myself.	0.69