## Juno Wiggle Plots Zoomed about PJ for PJ01-PJ76

Created 2024-01-18 by Marty Brennan

Juno trajectory in VIP4 Magnetic Dipole Coordinates

X-axis: Rho (Rj) distance from magnetic axis

Z-axis: Z (Rj) distance from magnetic equator

Magnetic field lines modeled using JRM33 + Con2020 M-shells of 5, 10, 15, 20, 30, 40, 50 Rj

## Kernels Used:

PJ01-PJ56: Reconstructed kernels

PJ57-PJ76: Reference 231110 SPK

(spk\_ref\_231110\_251016\_231110.bsp)

This document has been reviewed and determined not to contain export-controlled technical data

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-249T11:00:00 SEP 06 END:2023-287T10:00:00 OCT 14 15<sub>1</sub> 10 PJ54-24hr **PJ54** PJ55-24hr 5 Z magnetic (Rj) 0 20, 250 -5 -10 287 251 -15 30<sup>286</sup> -20 5 10 15 20 25 Rho (25)2

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-287T10:00:00 OCT 14 END:2023-325T12:00:00 NOV 21 15<sub>1</sub> 10 PJ55-24hr **PJ55** PJ56-24hr 5 Z magnetic (Rj) 0 10 15, 20, 288 -5 -10 **•289** -15 -20 10 5 20 15 25 30 Rho (290

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This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-325T12:00:00 NOV 21 END:2023-363T12:00:00 DEC 29 15<sub>1</sub> 10 PJ56-24hr **PJ56** PJ57-24hr 5 Z magnetic (Rj) 0 10 20, 326 -5 -10 327 -15 **•**363 -20 5 10 15 20 25 30 Rhag(Rj)

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This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-363T12:00:00 DEC 29 END:2024-033T21:00:00 FEB 02 PJ57-24hr **PJ57** PJ58-24hr 10 15, 20, 364 365 10 5 20 30 15 25

15<sub>1</sub>

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-033T21:00:00 FEB 02 END:2024-066T15:00:00 MAR 06 15<sub>1</sub> 10 PJ58-24hr **PJ58** PJ59-24hr 5 Z magnetic (Rj) 0 20, 35 -5 -10 66 -15 -20 36 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-066T15:00:00 MAR 06 END:2024-099T08:00:00 APR 08 15<sub>1</sub> 10 PJ59-24hr **PJ59** PJ60-24hr 5 Z magnetic (Rj) 0 10, 20, -5 •67 68 -10 99 -15 -20 5 20 10 15 25 30 98

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-099T08:00:00 APR 08 END:2024-132T03:00:00 MAY 11 PJ60-24hr **PJ60** PJ61-24hr 10, 20, 100 **•.132** 31 5 10 15 20 30 25 Rho (Rj)

15<sub>1</sub>

10

5

0

-5

-10

-20

Z magnetic (Rj)

This document has been reviewed and determined 102 contain export-controlled technical data

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-132T03:00:00 MAY 11 END:2024-164T19:00:00 JUN 12 15<sub>1</sub> 10 PJ61-24hr **PJ61** PJ62-24hr 5 Z magnetic (Rj) •133 0 10, 20, -5 -10 •164 -15 34 -20 5 10 15 20 30 25 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-164T19:00:00 JUN 12 END:2024-197T14:00:00 JUL 15 PJ62-24hr **PJ62** PJ63-24hr 10 20, 166 165 197 67 15 5 20 25 30 Rho (Rj)

15<sub>1</sub>

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-197T14:00:00 JUL 15 END:2024-230T06:00:00 AUG 17 15<sub>1</sub> 10 PJ63-24hr **PJ63** PJ64-24hr 5 Z magnetic (Rj) 20, 198 -5 -10 199 -15 **-230** 229 -20 5 10 15 30 20 25 20% ho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-230T06:00:00 AUG 17 END:2024-263T02:00:00 SEP 19 15<sub>1</sub> 10 PJ64-24hr **PJ64** PJ65-24hr 5 Z magnetic (Rj) 0 20, 231 -5 -10 **263** -15 232 262 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-263T02:00:00 SEP 19 END:2024-295T18:00:00 OCT 21 15<sub>1</sub> 10 PJ65-24hr **PJ65** PJ66-24hr 5 Z magnetic (Rj) 0 20, -5 -10 -15 265 295 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-295T18:00:00 OCT 21 END:2024-328T13:00:00 NOV 23 15<sub>1</sub> 10 PJ66-24hr **PJ66** PJ67-24hr 5 Z magnetic (Rj) 0 20, -5 **2**96 297 -10 -15 -20 327 30 5 15 25 20 10 298 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-328T13:00:00 NOV 23 END:2024-361T05:00:00 DEC 26 15<sub>1</sub> 10 PJ67-24hr **PJ67** PJ68-24hr 5 Z magnetic (Rj) 0 10 20, 329 -5 -10 330 •361 -15 360 -20 15 5 10 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2024-361T05:00:00 DEC 26 END:2025-027T23:00:00 JAN 27 15<sub>1</sub> 10 PJ68-24hr **PJ68** PJ69-24hr 5 Z magnetic (Rj) 0 20, 362 -5 -10 -15 363 -20 5 10 15 20 25 30 Rho (Rj) 27

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-027T23:00:00 JAN 27 END:2025-060T16:00:00 MAR 01 15<sub>1</sub> 10 PJ69-24hr **PJ69** PJ70-24hr 5 Z magnetic (Rj) 0 10 20, 29 -5 -10 -15 -20 15 30 5 10 20 25 60 59 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-060T16:00:00 MAR 01 END:2025-093T09:00:00 APR 03 15<sub>1</sub> 10 PJ70-24hr **PJ70** PJ71-24hr 5 Z magnetic (Rj) 0 10 20, -5 61 62 -10 -15 •93 -20 15 30 5 10 20 25 Rho (Rj) 92

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This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-093T09:00:00 APR 03 END:2025-126T03:00:00 MAY 06 15<sub>1</sub> 10 PJ71-24hr **PJ71** PJ72-24hr 5 Z magnetic (Rj) 0 20, -5 94 -10 126 -15 -20 15 5 10 20 30 25 Rho (Rj)

15<sub>1</sub>

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-158T20:00:00 JUN 07 END:2025-191T13:00:00 JUL 10 15<sub>1</sub> 10 PJ73-24hr **PJ73** PJ74-24hr 5 Z magnetic (Rj) 20, 60 -5 159 -10 -15 191 -20 10 5 15 20 30 25 161 Rho (Rj)

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This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-191T13:00:00 JUL 10 END:2025-224T07:00:00 AUG 12 15<sub>1</sub> 10 PJ74-24hr **PJ74** PJ75-24hr 5 Z magnetic (Rj) 20, -5 192 -10 **193 224** -15 -20 5 10 15 25 30 20 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-224T07:00:00 AUG 12 END:2025-256T23:00:00 SEP 13 15<sub>1</sub> 10 PJ75-24hr **PJ75** PJ76-24hr 5 Z magnetic (Rj) 0 20, -5 -10 -15 -20 5 10 15 25 30 20 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2025-256T23:00:00 SEP 13 END:2025-289T15:58:51 OCT 16 15<sub>1</sub> 10 PJ76-24hr **PJ76 EOM** 5 Z magnetic (Rj) •258 20, -5 -10 257 -15 -20 259 15 5 10 20 30 25 Rho (Rj)