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:2021-158T07:00:00 JUN 07 END:2021-201T08:00:00 JUL 20 15₁ 10 PJ34-24hr **PJ34** PJ35-24hr 5 159 Z magnetic (Rj) 0 10 20 -5 **•201** -10 160 -15 -20 10 5 15 30 20 25 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2021-201T08:00:00 JUL 20 END:2021-244T22:00:00 SEP 01 15₁ 10 PJ35-24hr **PJ35** PJ36-24hr 5 **202** Z magnetic (Rj) 0 10, 20 15/ -5 -10 **2**44 203 -15 -20 10 5 15 20 30 25 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2021-244T22:00:00 SEP 01 END:2021-288T17:00:00 OCT 15 15₁ 10 PJ36-24hr **PJ36** PJ37-24hr 5 **245** Z magnetic (Rj) 0 30 288 246 -5 -10 -15 •247 -20 5 10 15 20 30 25 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2021-288T17:00:00 OCT 15 END:2021-332T14:00:00 NOV 28 15₁ 10 PJ37-24hr **PJ37** PJ38-24hr 5 Z magnetic (Rj) 0 20 289 -5 332 290 -10 -15 291 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2021-332T14:00:00 NOV 28 END:2022-011T10:00:00 JAN 11 15₁ 10 PJ38-24hr **PJ38** PJ39-24hr 5 Z magnetic (Rj) 0 **333** -5 11 334 -10 -15 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-011T10:00:00 JAN 11 END:2022-055T01:00:00 FEB 24 15₁ 10 PJ39-24hr **PJ39** PJ40-24hr 5 Z magnetic (Rj) 0 -5 -10 -15 **14** -20 10 5 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-055T01:00:00 FEB 24 END:2022-098T15:00:00 APR 08 15₁ 10 PJ40-24hr **PJ40** PJ41-24hr 5 Z magnetic (Rj) 0 20 10 15/ 98 -5 -10 -15 -20 5 10 15 30 20 25 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-098T15:00:00 APR 08 END:2022-142T02:00:00 MAY 22 15₁ 10 PJ41-24hr **PJ41** PJ42-24hr 5 Z magnetic (Rj) 0 -99 -5 **1**42 4,00 -10 -15 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-142T02:00:00 MAY 22 END:2022-185T09:00:00 JUL 04 15₁ 10 PJ42-24hr **PJ42** PJ43-24hr 5 ·143 Z magnetic (Rj) 0 -5 -10 **185** -15 144 -20 5 10 15 25 30 20 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-185T09:00:00 JUL 04 END:2022-228T14:00:00 AUG 16 15₁ 10 PJ43-24hr **PJ43** PJ44-24hr 5 **186** Z magnetic (Rj) 0 15, 10 -5 -10 ·228 187 -15 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-228T14:00:00 AUG 16 END:2022-271T17:00:00 SEP 28 15₁ 10 PJ44-24hr **PJ44** PJ45-24hr 5 Z magnetic (Rj) 0 15,229 20 -5 230 -10 -15 -20 5 10 25 15 30 20 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-271T17:00:00 SEP 28 END:2022-309T21:00:00 NOV 05 PJ45-24hr **PJ45** PJ46-24hr 272 20 273 **•**30þ 10 274 15 5 30 20 25 Rho (Rj)

15₁

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2022-309T21:00:00 NOV 05 END:2022-348T03:00:00 DEC 14 PJ46-24hr **PJ46** PJ47-24hr 15, 20 310 347 5 15 20 30 25 Rho (Rj) 313

15₁

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

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:2022-348T03:00:00 DEC 14 END:2023-021T05:00:00 JAN 21 15₁ 10 PJ47-24hr **PJ47** PJ48-24hr 5 349 Z magnetic (Rj) 0 20, -5 -10 -15 **e**350 -20 5 10 20 25 30 15 Rho (Rj) 351 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:2023-021T05:00:00 JAN 21 END:2023-059T05:00:00 FEB 28 15₁ 10 PJ48-24hr **PJ48** PJ49-24hr 5 Z magnetic (Rj) 0 20, -5 -10 **√**59 -15 -20 5 10 20 15 25 30 Rho (Rj)

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:2023-059T05:00:00 FEB 28 END:2023-097T08:00:00 APR 07 15₁ 10 PJ49-24hr **PJ49** PJ50-24hr 5 Z magnetic (Rj) 60 0 20, -5 •97 -10 -15 -20 5 10 15 20 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-097T08:00:00 APR 07 END:2023-135T07:00:00 MAY 15 15₁ 10 PJ50-24hr **PJ50** PJ51-24hr 5 Z magnetic (Rj) 0 20, 15, 98 -5 135 -10 99 -15 134 -20 5 10 15 20 25 30 Rho (Rj)

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:2023-135T07:00:00 MAY 15 END:2023-173T06:00:00 JUN 22 15₁ 10 PJ51-24hr **PJ51** PJ52-24hr 5 Z magnetic (Rj) 0 10, 20, 136 -5 •173 -10 -15 -20 5 10 20 15 25 30 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-173T06:00:00 JUN 22 END:2023-211T09:00:00 JUL 30 15₁ 10 PJ52-24hr **PJ52** PJ53-24hr 5 Z magnetic (Rj) 0 10, 20, -5 211 -10 -15 -20 10 30 210 5 20 25 15 Rho (Rj)

This document was reviewed and approved for export, see Juno-Generic-15-001 START:2023-211T09:00:00 JUL 30 END:2023-249T11:00:00 SEP 06 PJ53-24hr **PJ53** PJ54-24hr 10, 20, 249 5 20 25 30 10 15 Rho (Rj) 248

15₁

10

5

0

-5

-10

-15

-20

Z magnetic (Rj)

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 14 15₁ 10 PJ54-24hr **PJ54** PJ55-24hr 5 Z magnetic (Rj) 0 20, 250 -5 -10 287 251 -15 30²⁸⁶ -20 5 10 15 20 25 Rho (25)2