Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

01–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0205UT to 0820UT
(b) 1110UT to 1720UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

02−Apr−2013
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0215UT

(b) 0510UT to 1115UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

03–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at \( r > 3R_E \). Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0515UT
cve fhe gbr inv wal

(b) 0815UT to 1410UT
dek bks cly cvw fhw hok kap kod ksr

unw

(a) 0000UT to 0515UT
cve fhe gbr inv wal

(b) 0815UT to 1410UT
dek bks cly cvw fhw hok kap kod ksr

unw
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

04–Apr–2013
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0220UT to 0810UT
(b) 1120UT to 1710UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

05–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at \( r > 3R_E \). Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0205UT
(b) 0525UT to 1105UT

[Maps showing predicted RBSP footprints and trajectory plots]
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

06–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0505UT
(b) 0830UT to 1400UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

07–Apr–2013

Top row: 24h footprints: RBSP–A RBSP–B

Bottom rows: Periods when both RBSP–A/B are at \( r > 3R_E \). Also with: C1 C2 C3 C4 THA THD THE

(a) 0235UT to 0800UT

(b) 1135UT to 1655UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

08–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R₆. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0155UT

(b) 0540UT to 1055UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

09−Apr−2013
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0450UT
(b) 0845UT to 1350UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

10–Apr–2013

Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0245UT to 0750UT

(b) 1150UT to 1645UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

11–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

12–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

13–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0045UT to 0055UT
cve fhe wal

(b) 0300UT to 0740UT
de bks cve the thw into wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

14–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0135UT
(b) 0345UT to 0400UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

15–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0010UT to 0430UT
cve fhe gbr inv wal

(b) 0640UT to 0705UT
dde bks cly cve cww the fhw wal
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

16–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R\textsubscript{E}. Also with: C1 C2 C3 C4 THA THD THE

(a) 0035UT to 0105UT

(b) 0315UT to 0730UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

17–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0125UT
(b) 0335UT to 0410UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

18–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0020UT to 0420UT
(b) 0630UT to 0715UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

19–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0025UT to 0120UT
cve fhe wal

(b) 0325UT to 0720UT
de bks cve the fhw sas sto wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

20–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at \( r > 3R_E \). Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0115UT
(b) 0320UT to 0425UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

21–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at $r > 3R_E$. Also with: C1 C2 C3 C4 THA THD THE

(a) 0035UT to 0410UT
(b) 0620UT to 0730UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

22–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0015UT to 0135UT
(b) 0340UT to 0705UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

23–Apr–2013

Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0105UT
(b) 0310UT to 0440UT
(c) 0645UT to 1005UT
ade bks cly cve cvw fhw hok kod sas

(d) 1210UT to 1340UT
ade adw cly cvw fhw hok

(e) 1545UT to 1900UT
ade adw cly cvw fhw hok

(f) 2110UT to 2240UT
ade adw cly cvw fhw hok

unw zho unw zho unw zho

inv pyk wal

unw zho

inv pyk wal

unw zho

inv pyk wal

unw zho unw zho unw zho

inv pyk wal

unw zho unw zho unw zho

inv pyk wal

unw zho unw zho unw zho

inv pyk wal

unw zho unw zho unw zho
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

24–Apr–2013

Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

25–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

26–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0055UT
(b) 0300UT to 0450UT
(c) 0700UT to 0955UT
ade bks cly cve cvw fhw hok kod sas

(d) 1200UT to 1355UT
ade adw cly cvw fhw hok ker

(e) 1600UT to 1850UT
ade adw cly cvw fhw hok ker

(f) 2100UT to 2255UT
ade adw cly cvw fhw hok ker
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

27–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0100UT to 0350UT
(b) 0600UT to 0755UT
(c) 1005UT to 1250UT
(a) 1005UT to 1250UT

(d) 1455UT to 1700UT

(e) 1905UT to 2150UT

(f) 2355UT to 2355UT

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X GSE (R_E)

Y GSE (R_E)
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

28–Apr–2013
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints  
(AACGM magnetic longitude and latitude)

29−Apr−2013
Top row: 24h footprints: **RBSP−A** RBSP−B  
Bottom rows: Periods when both RBSP−A/B are at \( r > 3R_E \). Also with: C1 C2 C3 C4 THA THD THE

![Map showing RBSP footprints and diagrams](image_url)
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

30−Apr−2013
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

(a) 0115UT to 0340UT
(b) 0550UT to 0810UT