Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

01–Sep–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) 0140UT to 0210UT
ade bks cly cve cvw fhe fhw hok wal

(b) 0420UT to 0830UT
ade adw bks cly cvw fhw hok kod ksr

sps tig unw
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

02–Sep–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)

03–Sep–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)

04–Sep–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) 0130UT to 0225UT
ade bks cly cvw fhw wal

(b) 0430UT to 0820UT
ade adw bks cly cvw fhw hok kod ksr sps tig unw
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

05−Sep−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) 0425UT to 0530UT
(c) 0735UT to 1115UT
adw cly cwy hok ksr

d) 1325UT to 1430UT
adw

(e) 1640UT to 2015UT
the han inv wal

(f) 2220UT to 2330UT
ade bks cve the fhw wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

06–Sep–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) 0140UT to 0515UT
ade bks cly cve cvw fhw hok kod sas

(b) 0720UT to 0835UT
ade adw cly cvw fhw hok kod unw zho
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

07–Sep–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

(g) 0120UT to 0235UT
ade bks cly cve cvw fhe fhw kap sto wal

(d) 0445UT to 0810UT
ade adw bks cly cvw fhw hok kod ksr

(b) 0445UT to 0810UT
ade adw bks cly cvw fhw hok kod ksr

sps tig unw

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Predicted RBSP footprints (AACGM magnetic longitude and latitude)

08–Sep–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

(g) 0000UT to 0205UT
dce sps

(b) 0415UT to 0540UT
dce sps unw
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

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

(a) 0150UT to 0505UT
ade bks cly cve cwv fhw hok kod sas

dce sps

(b) 0710UT to 0845UT
ade adw cly cwv fhw hok ksr

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

10–Sep–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)

11–Sep–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–Sep–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 0000UT
dce

(b) 0205UT to 0455UT
dce sps
(c) 0700UT to 0900UT
ade adw cly cvw flw hok ksr

(d) 1105UT to 1350UT
adw pyk

(e) 1600UT to 1800UT
inv pyk wal

(f) 2010UT to 2250UT
bks cve the inv kap sto wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

13–Sep–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)

14–Sep–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 0145UT
ade bks cve cww fhe fhw stw wal
dce sps

(b) 0355UT to 0610UT
ade adw bks cly cve cww fhw hok ksr pgr
dce sps tig unw
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

15–Sep–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 0010UT
(b) 0220UT to 0445UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

16–Sep–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)

17–Sep–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 0620UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

18–Sep–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)

19–Sep–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)

20–Sep–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)

21–Sep–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 0040UT
(b) 0245UT to 0420UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

22–Sep–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)

23–Sep–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) 0325UT to 0650UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

24–Sep–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 0050UT
(b) 0300UT to 0410UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

25–Sep–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 diagrams showing predicted RBSP footprints](image-url)
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

26–Sep–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) 0005UT to 0105UT
ade bks cve cvw fhe fhw wal
dce sps

(b) 0315UT to 0700UT
ade adw bks cly cvw fhw hok ksr pgr
dce sps tig unw
(c) 0910UT to 1005UT
adw cly cvw hok

(d) 1210UT to 1605UT
han rkn sye

(e) 1810UT to 1905UT
cve fhe wal
dce

(f) 2110UT to 2355UT
ade bks cve fhe fhw sto wal
dce
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

27–Sep–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)

28–Sep–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) 0005UT to 0410UT
(b) 0615UT to 0655UT

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

29–Sep–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)

30–Sep–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

\begin{figure}[h]
\centering
\includegraphics[width=\textwidth]{fig1.png}
\end{figure}

\begin{figure}[h]
\centering
\includegraphics[width=\textwidth]{fig2.png}
\end{figure}