Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

01–Aug–2014
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)

02–Aug–2014
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–Aug–2014
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−Aug−2014  
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) 2315UT to 2355UT

adw

zho

$X_{GSE} (R_E)$

$Y_{GSE} (R_E)$
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

05–Aug–2014
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)

06–Aug–2014
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 0015UT
adw hok

(b) 0220UT to 0640UT
inv pyk ker
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

07–Aug–2014
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 0035UT

(b) 0245UT to 0320UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

08−Aug−2014
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 0335UT
(b) 0540UT to 0625UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

09−Aug−2014
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 0025UT
adw

(b) 0235UT to 0630UT
inv pyk wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

10–Aug–2014
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–Aug–2014
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 0325UT
(b) 0530UT to 0635UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

12–Aug–2014
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
(adw pyk)

(b) 0245UT to 0620UT
(inv pyk wal)
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

13–Aug–2014
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3Rₑ. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0015UT

(b) 0225UT to 0345UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

14–Aug–2014
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3Rᵉ. Also with: C1 C2 C3 C4 THA THD THE

(a) 0000UT to 0310UT
(b) 0520UT to 0650UT
(c) 0855UT to 1210UT
ade bks cve fhe fhw gbr kap wal
dce hal san

(d) 1420UT to 1550UT
ade bks cly cve cwv the fhw hok ksr
dce sps

(e) 1800UT to 2110UT
ade adw cly cvw fhw hok kap ksr
unw zho

(f) 2315UT to 2355UT
adw
unw zho
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

15−Aug−2014
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
adw pyk
unw zho
20 10 0 −10 −20
X GSE (R_E)
39 75 115 155 195
0 10 20 30 40
Y GSE (R_E)

(b) 0300UT to 0610UT
inv pyk wal
unw zho
20 10 0 −10 −20
X GSE (R_E)
39 75 115 155 195
0 10 20 30 40
Y GSE (R_E)
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

16–Aug–2014
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 0005UT
(b) 0215UT to 0355UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

17–Aug–2014
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 0300UT
(b) 0510UT to 0700UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

18–Aug–2014
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) 0315UT to 0555UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

19–Aug–2014
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) 0200UT to 0410UT

(b) 0620UT to 0855UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

20–Aug–2014
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3\textit{R}_E. Also with: C1 C2 C3 C4 THA THD THE
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

21–Aug–2014
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 0120UT
adw pyk zho

(b) 0325UT to 0545UT
inv pyk wal

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

22–Aug–2014
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
(c) 1050UT to 1325UT
ade bks cve cvw fhw sto wal
dce sps

(d) 1535UT to 1740UT
ade adw bks cly cve cvw fhw hok ksr pgr
dce sps tig unw

(e) 1950UT to 2225UT
adw cly cvw hok ksr
tig unw zho
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

23–Aug–2014
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 0240UT
(b) 0445UT to 0730UT
(c) 0935UT to 1140UT
ade bks cve fhw gbr sas wal
dce hal sps

(d) 1345UT to 1630UT
ade bks cly cve cvw fhw hok kod sas
dce sps

(e) 1840UT to 2035UT
ade adw cly cvw fhw hok kap ksr
unw zho

(f) 2245UT to 2355UT
adw pyk
zho
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

24–Aug–2014
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 0130UT
(b) 0340UT to 0535UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

25–Aug–2014
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 0435UT

(b) 0645UT to 0830UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

26–Aug–2014
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
(c) 0950UT to 1130UT
ade bks cve fhw sas wal
dce hal sps

(d) 1335UT to 1645UT
ade bks cly cve cvw fhw hok kad
dce sps

(e) 1850UT to 2025UT
ade adw cly cvw fhw hok ksr
unw zho

(f) 2235UT to 2355UT
adw pyk
zho
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

27–Aug–2014
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
(c) 0735UT to 1045UT
bks cve fhe inv kap sto wal

(d) 1255UT to 1425UT
ade bks cly cve cvw fhe fhw hok kap kod

(e) 1630UT to 1950UT
ade adw cly cvw fhw hok kod ksr

(f) 2155UT to 2320UT
adw hok ksr
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

28–Aug–2014
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 0450UT

(b) 0655UT to 0820UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

29–Aug–2014
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–Aug–2014
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 0200UT
(b) 0405UT to 0515UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

31–Aug–2014
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
(c) 1020UT to 1405UT
ade bks cve cvw fhe fhw kap sto
dce sps

(d) 1610UT to 1710UT
ade adw bks cve cvw fhw hok
dce sps unw

(e) 1915UT to 2305UT
adw hok ksr
unw zho