Predicted RBSP footprints (AACGM magnetic longitude and latitude)

01–Jun–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)

02–Jun–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–Jun–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−Jun−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)

05−Jun−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) 0355UT to 1035UT

ade bks cly cvw fhw pgr
dce sps
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

06–Jun–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 0435UT
cve gbr wal hal

(b) 0700UT to 1330UT
ade adw cly cvw fhw hok ksr
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

07–Jun–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 0730UT
(b) 1005UT to 1625UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

08–Jun–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) 0405UT to 1025UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

09–Jun–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 0420UT

(b) 0710UT to 1320UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

10–Jun–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 0720UT
(b) 1015UT to 1615UT
(c) 1920UT to 2355UT
The inv wal
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

11–Jun–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) 0420UT to 1015UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

12–Jun–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 0410UT
cve fhe gbr sto wal

(b) 0725UT to 1310UT
ade adw cly cww fhv hok kap ksr
(c) 1625UT to 2210UT
han pyk
ker

X_{GSE} (R_E)

Y_{GSE} (R_E)

X_{sun} (R_E)

20  10  0  -10  -20

-20  -10  0  10  20
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

13–Jun–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 0710UT
(b) 1030UT to 1605UT
(c) 1930UT to 2355UT
The ion wall
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

14–Jun–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)

15–Jun–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 0400UT
(b) 0740UT to 1300UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

16–Jun–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 0700UT
(b) 1040UT to 1555UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

17–Jun–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) 0445UT to 0955UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

18–Jun–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 0350UT
(b) 0750UT to 1250UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

19–Jun–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) 0155UT to 0645UT
(b) 1055UT to 1545UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

20−Jun−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) 2300UT to 2355UT
bks cve the glr wal

X\_GSE (R\_E)

Y\_GSE (R\_E)

V\_GSE (R\_E)

X\_sun (R\_E)
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

21–Jun–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)

22–Jun–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–Jun–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)

24–Jun–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 0330UT
(b) 0540UT to 0610UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

25–Jun–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 0015UT
(b) 0220UT to 0625UT
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

26–Jun–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 0025UT
(b) 0230UT to 0320UT
(g) 2330UT to 2355UT
bks cve the glr wal

X
GSE (R_E)

Y
GSE (R_E)

X_{sun} (R_E)

20
10
0
−10
−20

20
10
0
−10
−20
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

27–Jun–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 0320UT
(b) 0525UT to 0625UT
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

28–Jun–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
(c) 0825UT to 0930UT
ade adw bks cvw fhw hok
dce sps unw

X
GSE
(Re)

Y
GSE
(Re)

(d) 1135UT to 1515UT
adw ksr
unw zho

X
GSE
(Re)

Y
GSE
(Re)

(e) 1720UT to 1830UT

X
GSE
(Re)

Y
GSE
(Re)

(f) 2035UT to 2355UT
cve fhe gbr inv wal
hal san

X
GSE
(Re)

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

29–Jun–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 0015UT

(b) 0220UT to 0330UT
(g) 2340UT to 2355UT

bis ove the glr wal
Predicted RBSP footprints (AACGM magnetic longitude and latitude)

30–Jun–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 0310UT
(b) 0515UT to 0635UT