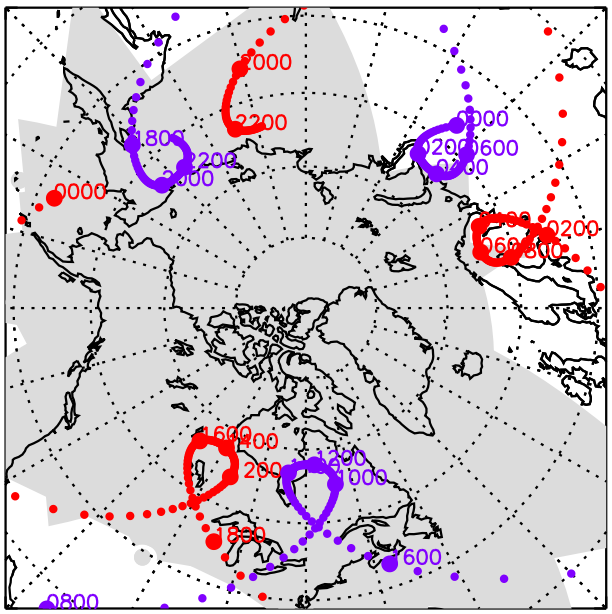
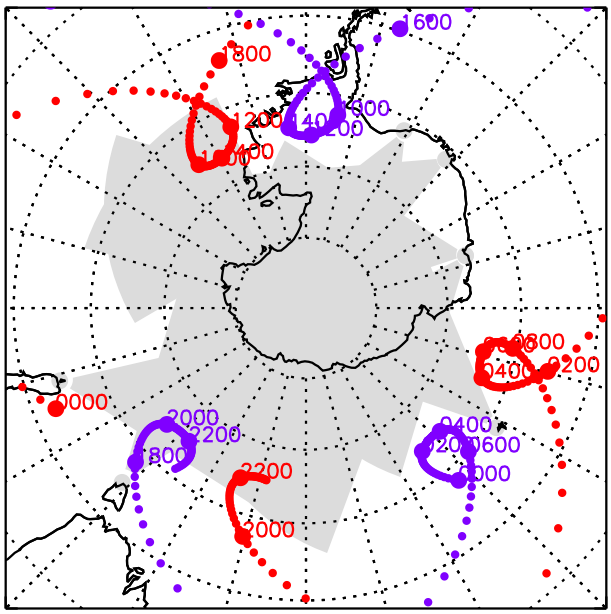
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

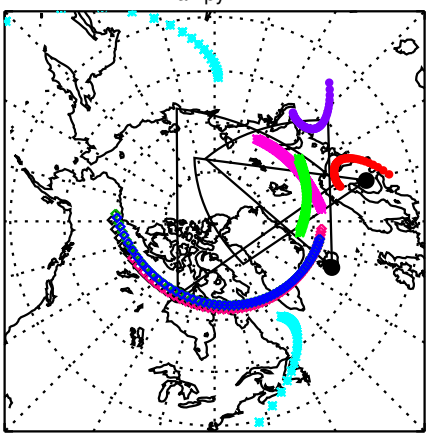
01–Jul–2014

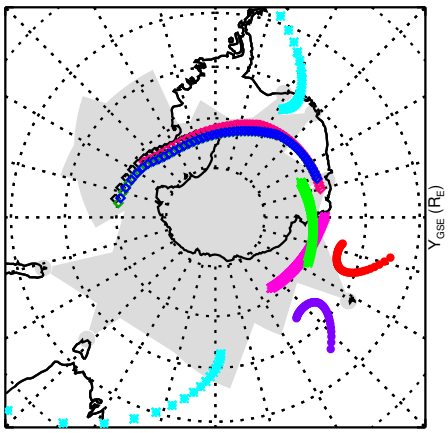
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

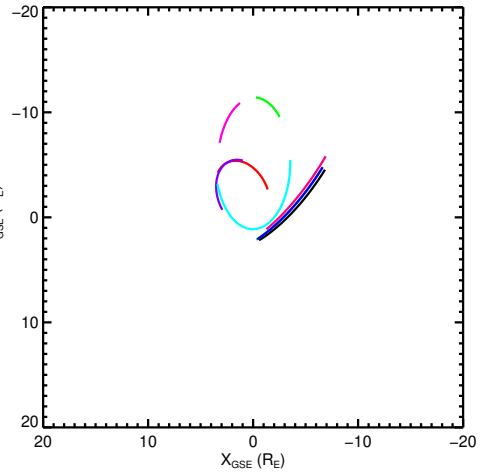




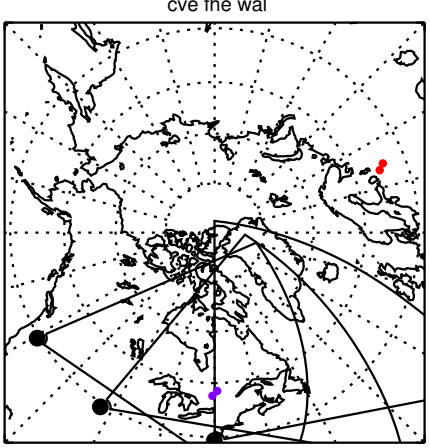
(a) 0155UT to 0635UT
han pyk rkn

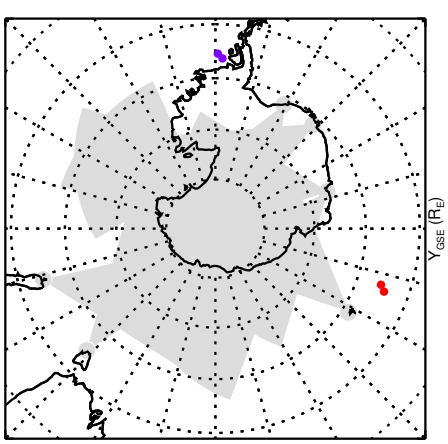


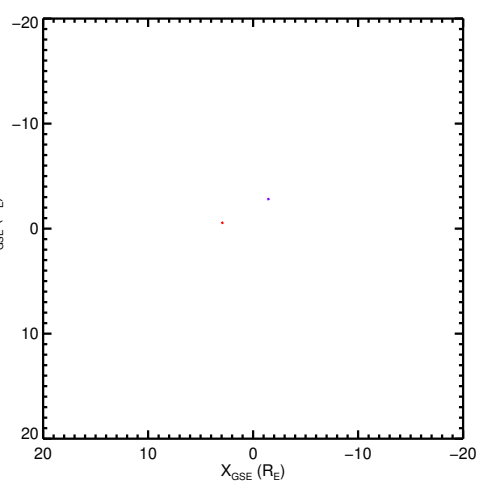




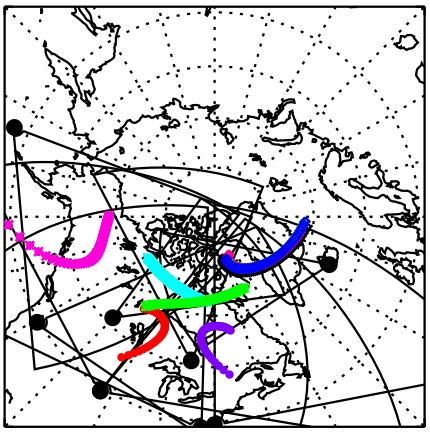
(b) 0845UT to 0850UT
cve fhe wal



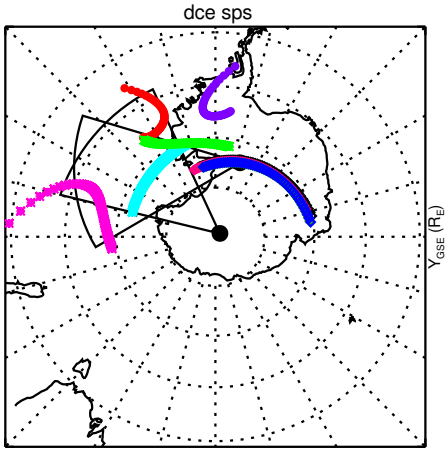


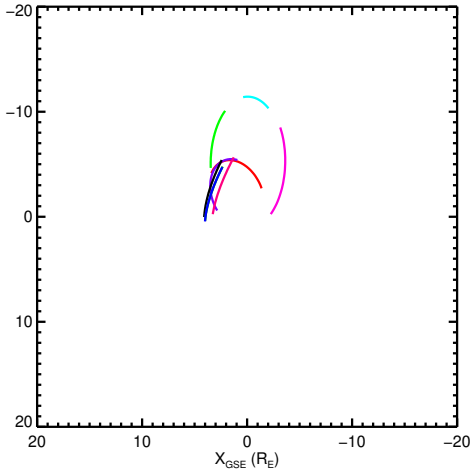


(c) 1055UT to 1540UT
ade bks cve fhe fhw kap sas sto wal

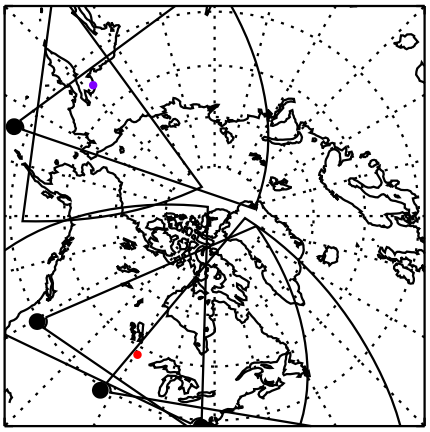


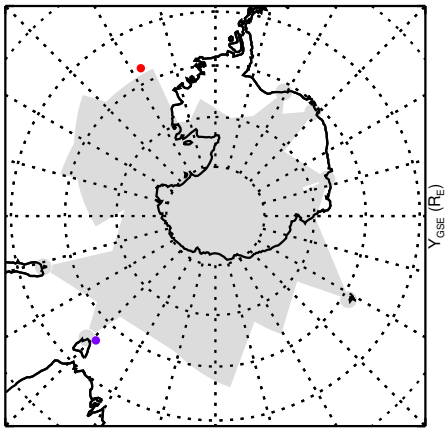
dce sps

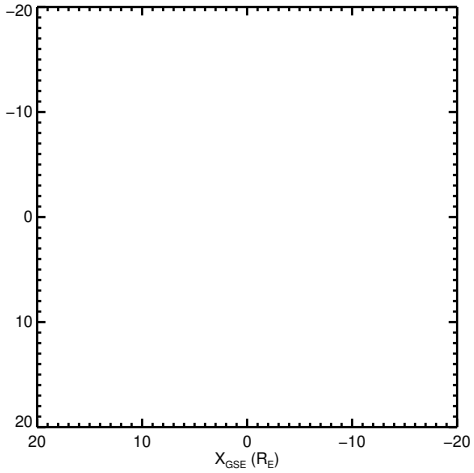




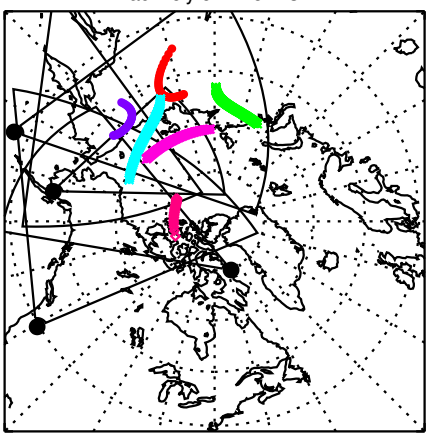
(d) 1745UT to 1745UT
adw bks cve fhe hok



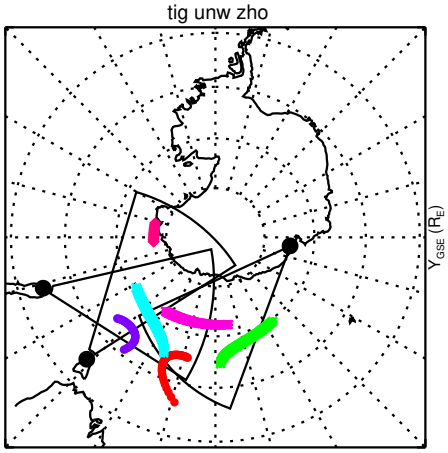


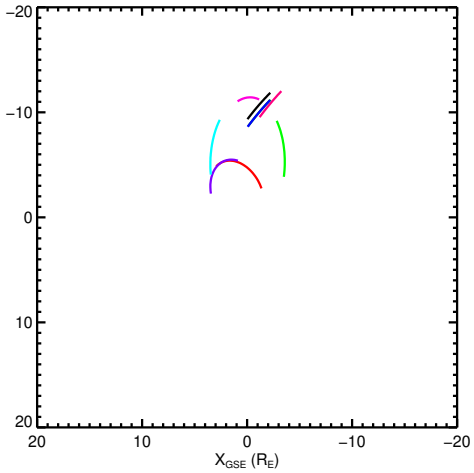


(e) 1955UT to 2355UT
adw cly cvw hok ksr



tig unw zho

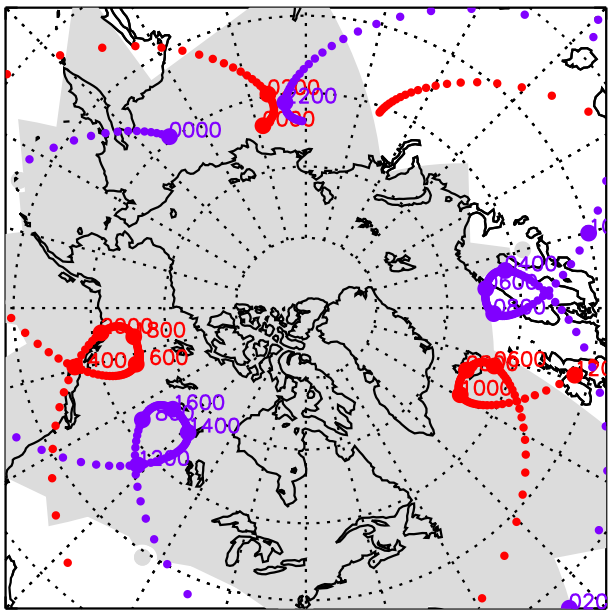


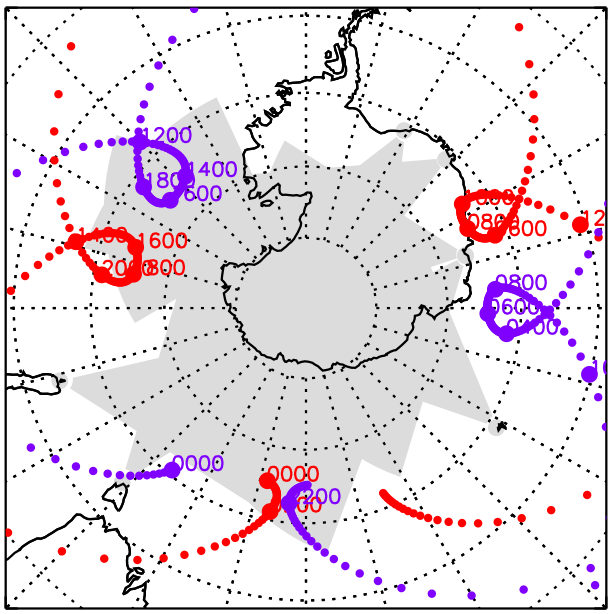


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

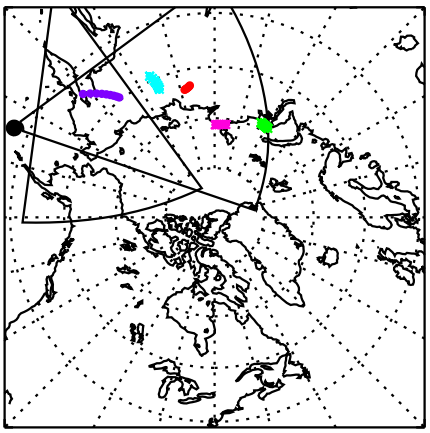
02–Jul–2014

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

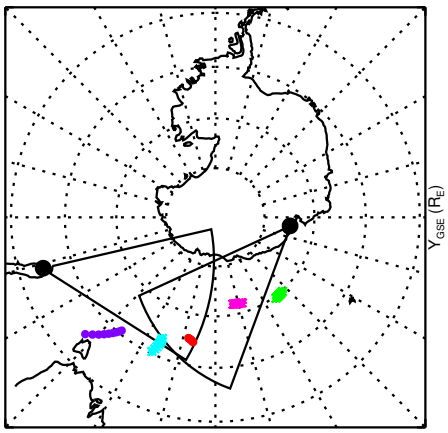


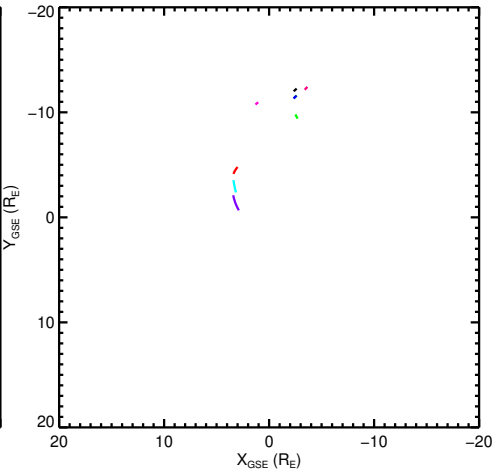


(a) 0000UT to 0040UT
adw hok

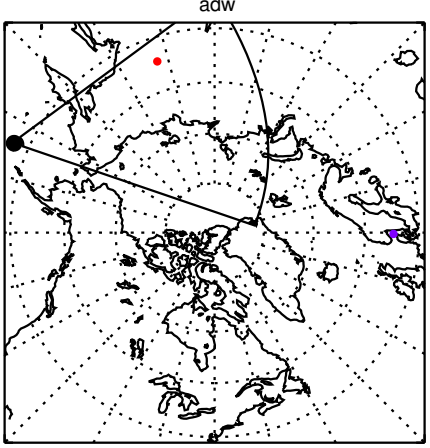


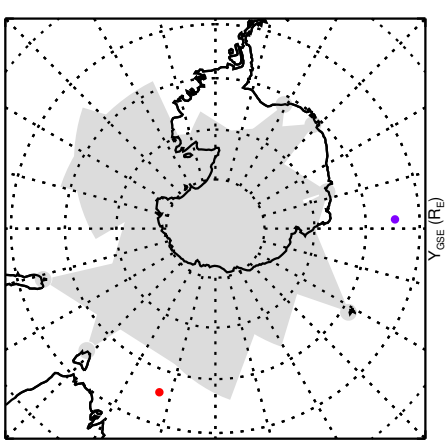
unw zho

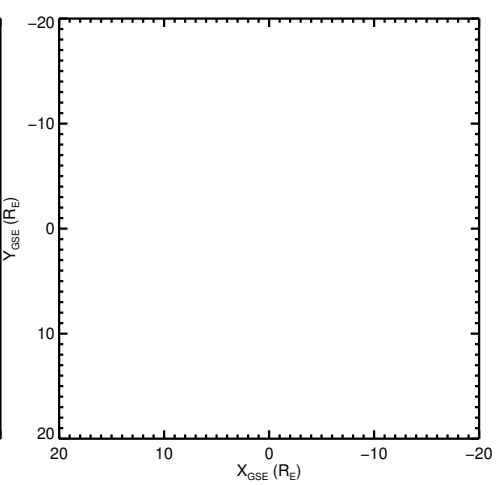




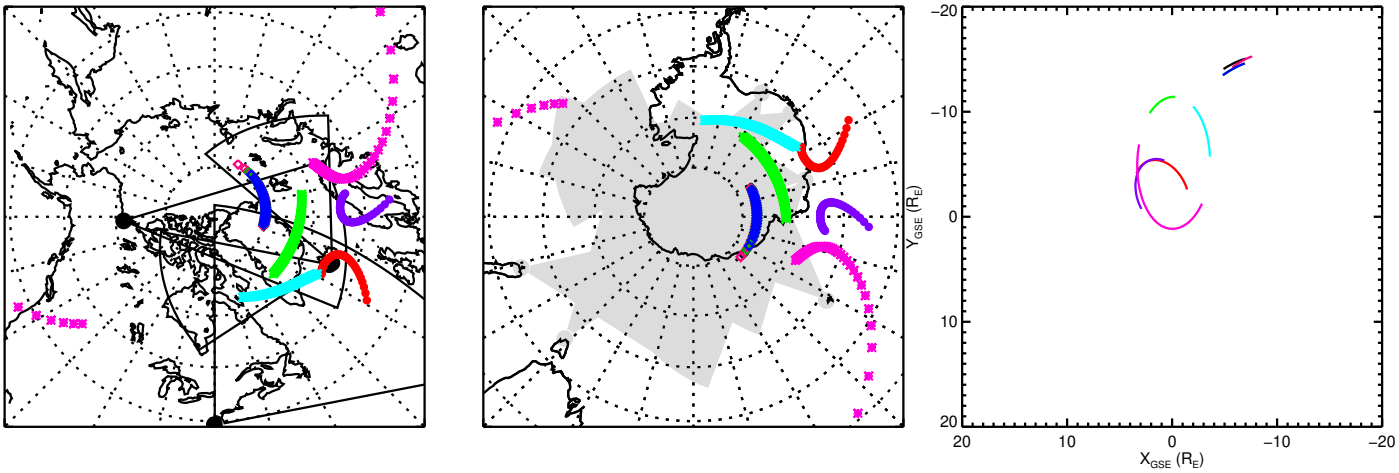
(b) 0245UT to 0245UT
adw





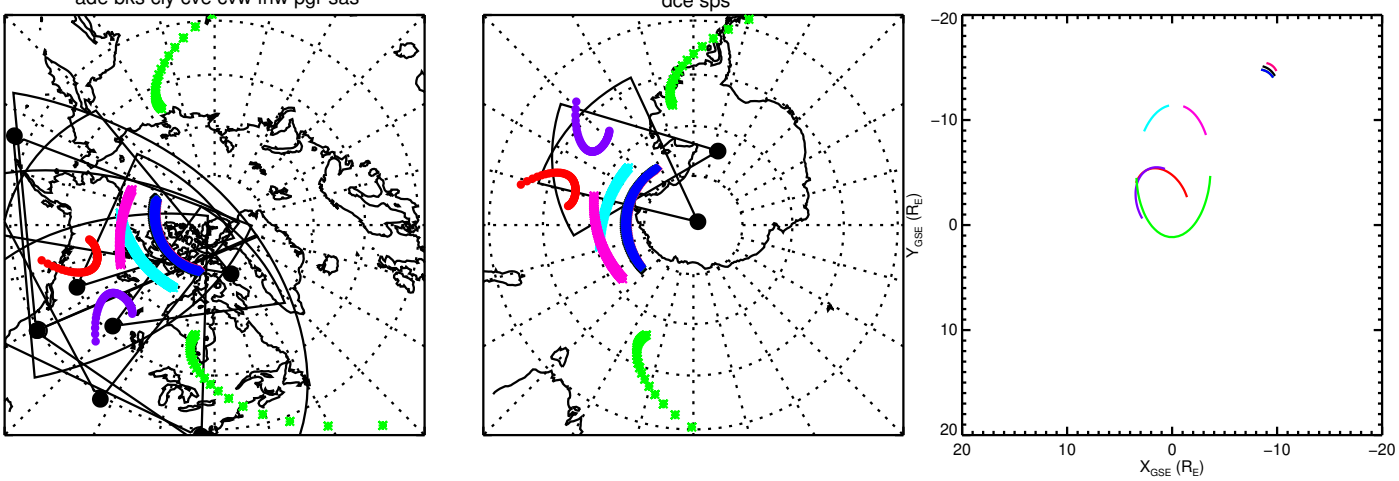


(c) 0450UT to 0940UT
inv pyk sto wal



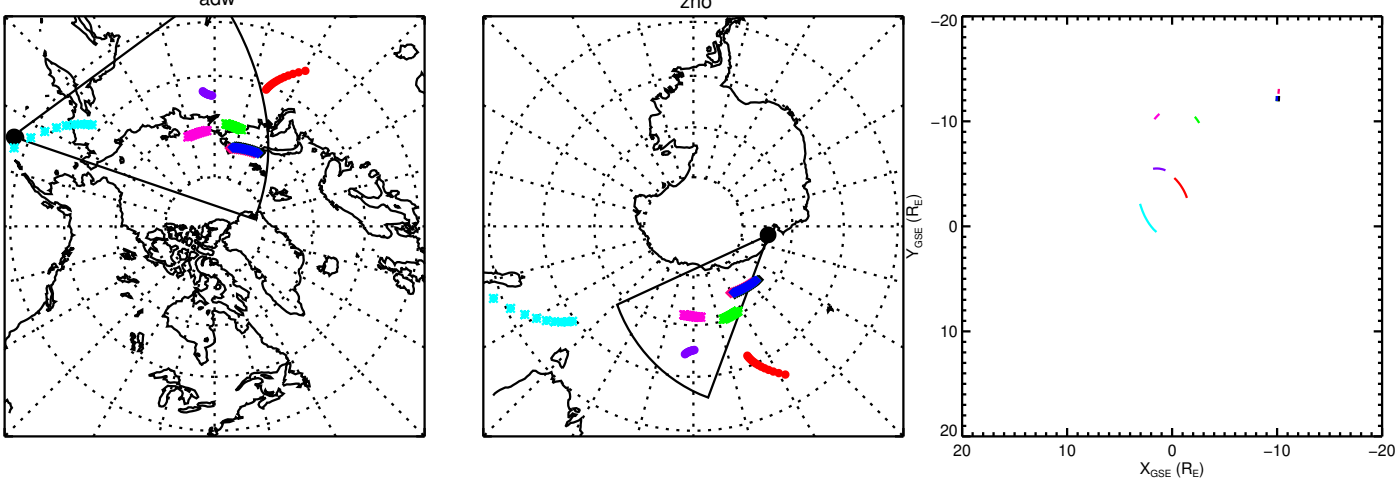
(d) 1350UT to 1845UT
ade bks cly cve cvw fhw pgr sas

dce sps



(e) 2250UT to 2355UT
adw

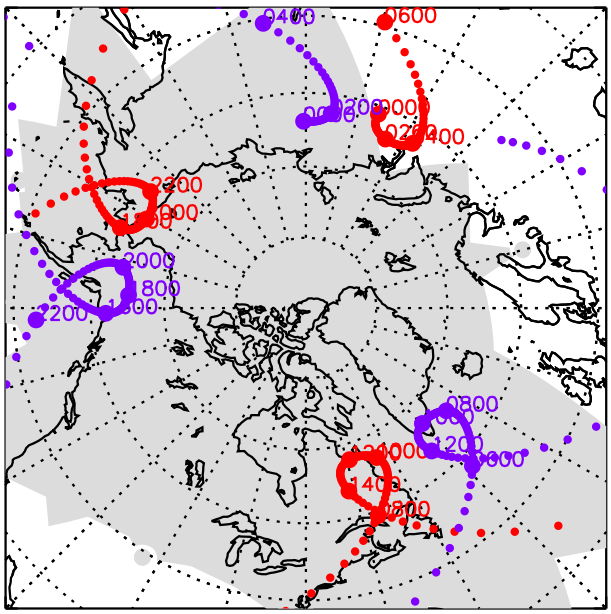
zho

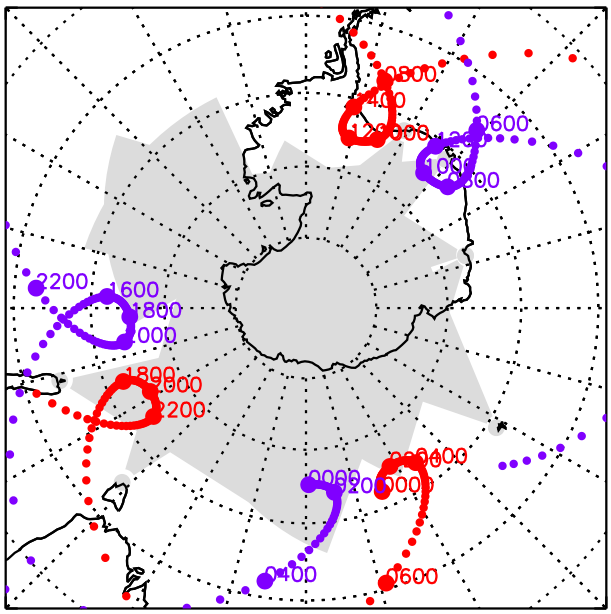


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

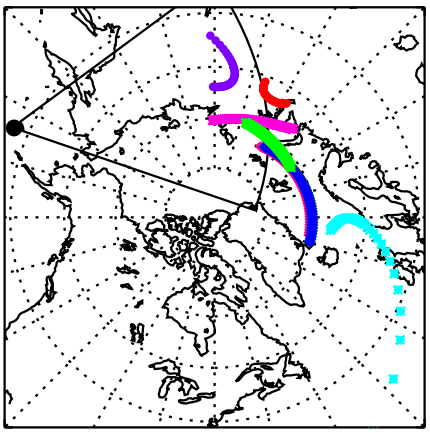
03–Jul–2014

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

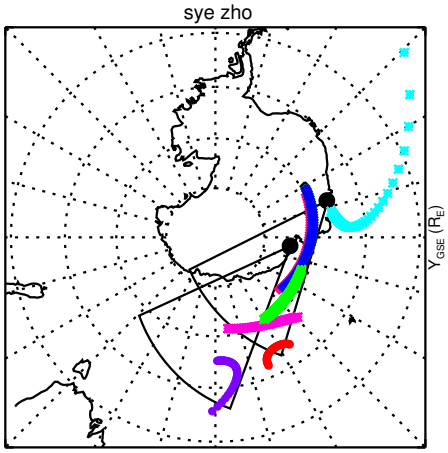


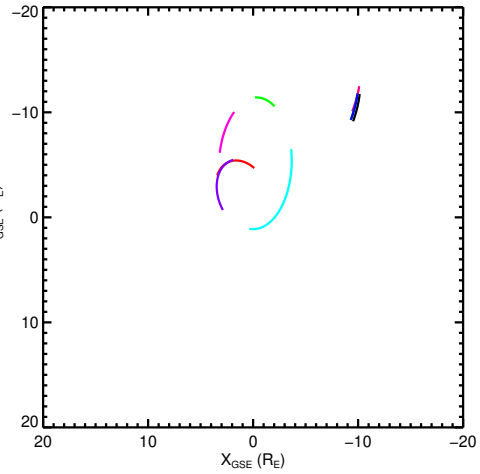


(a) 0000UT to 0345UT
adw

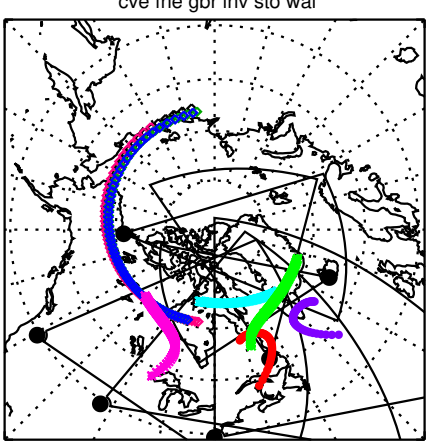


sye zho

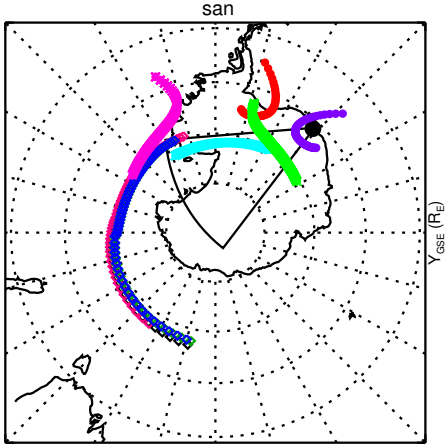


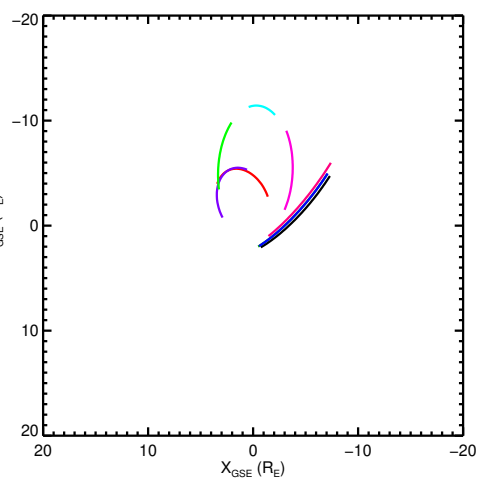


(b) 0750UT to 1245UT
cve fhe gbr inv sto wal

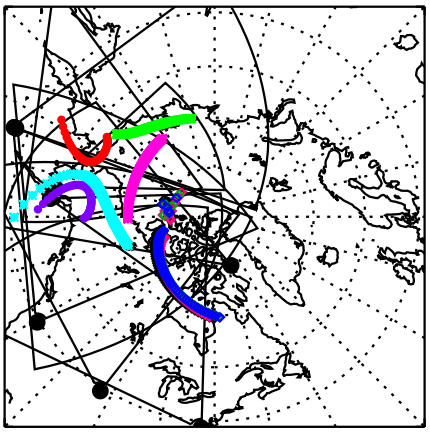


san

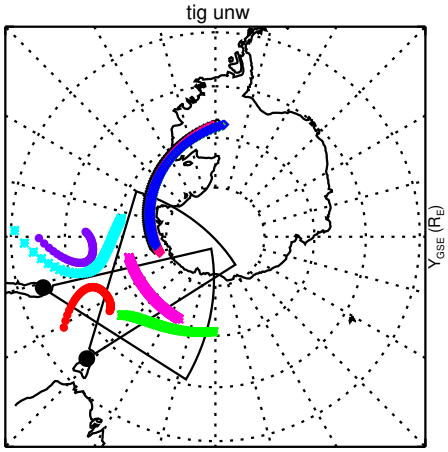


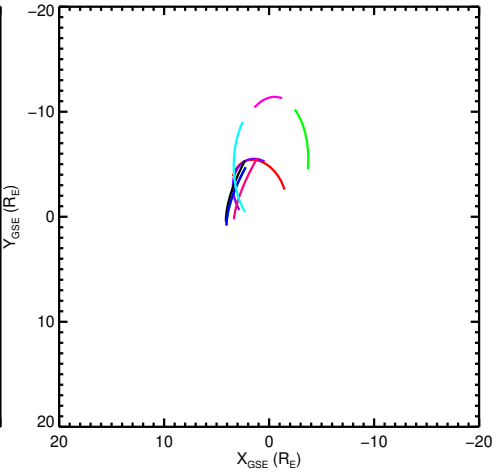


(c) 1645UT to 2150UT
ade adw bks cly cvw fhw hok kod ksr



tig unw

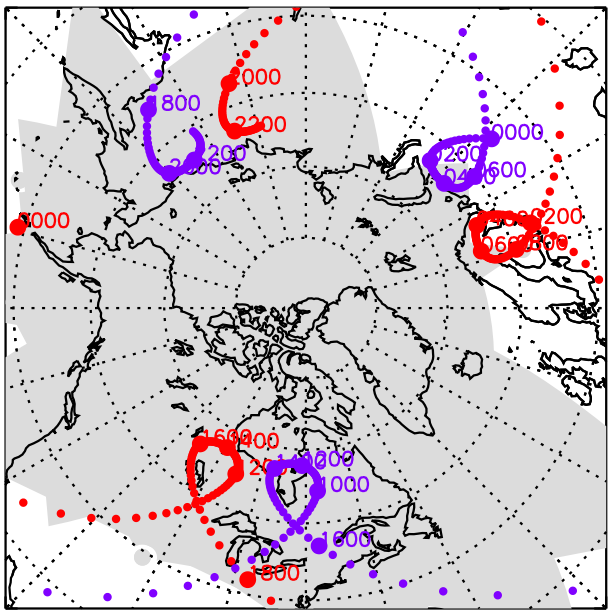


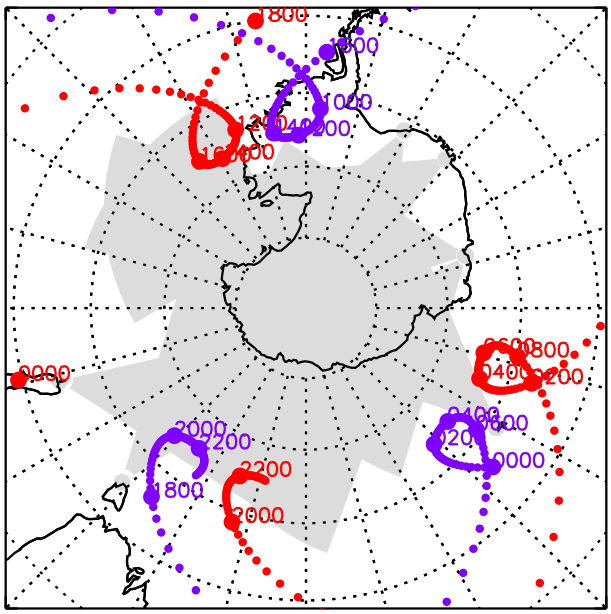


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

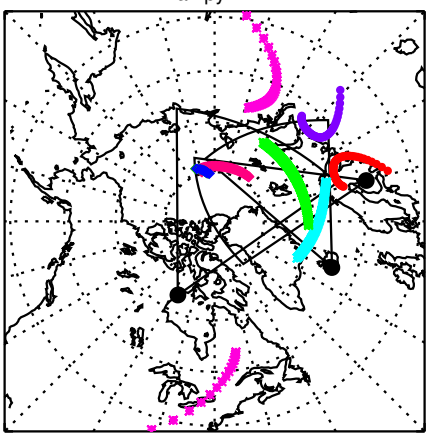
04–Jul–2014

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

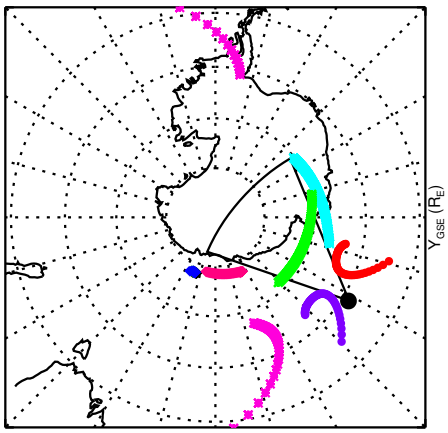


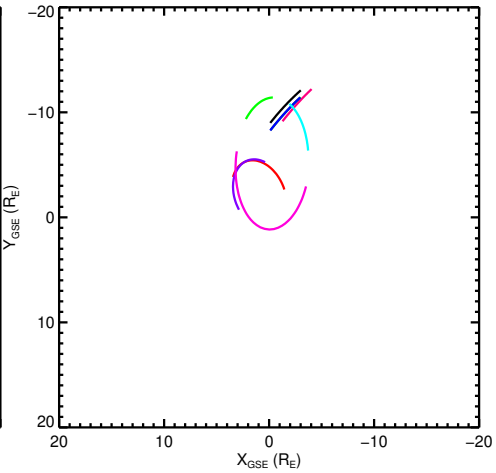


(a) 0145UT to 0650UT
han pyk rkn

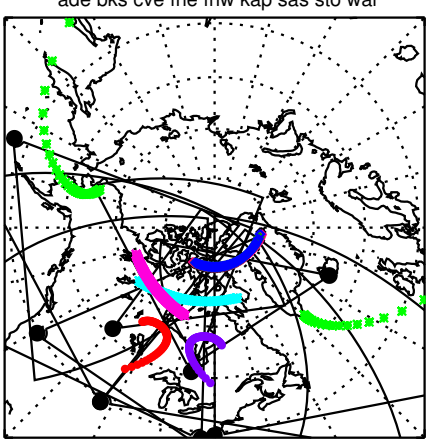


ker

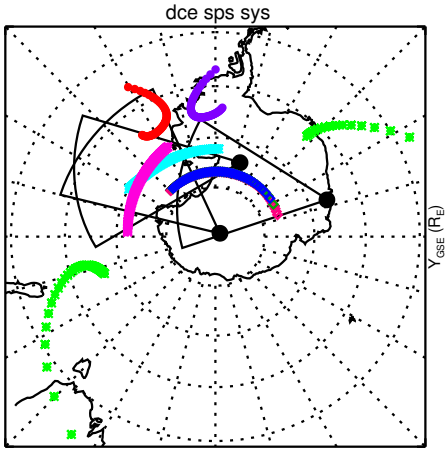


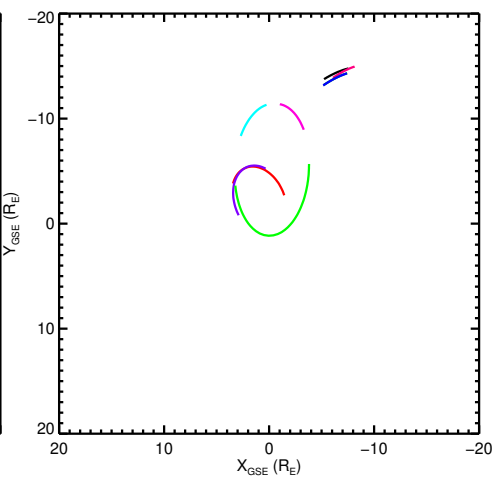


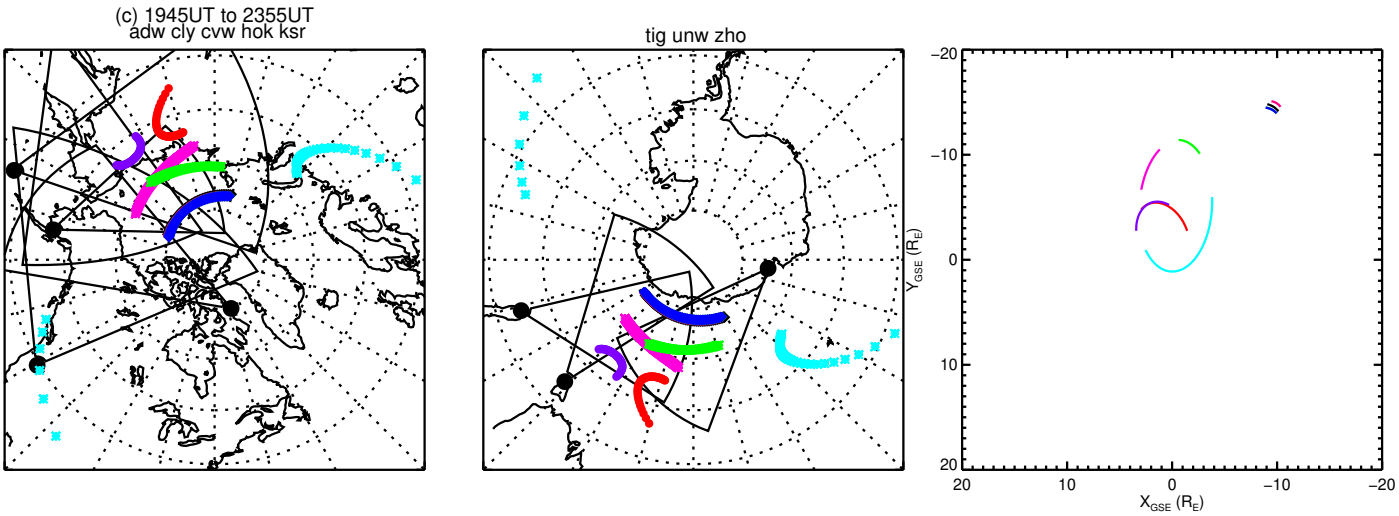
(b) 1045UT to 1550UT
ade bks cve fhe fhw kap sas sto wal



dce sps sys



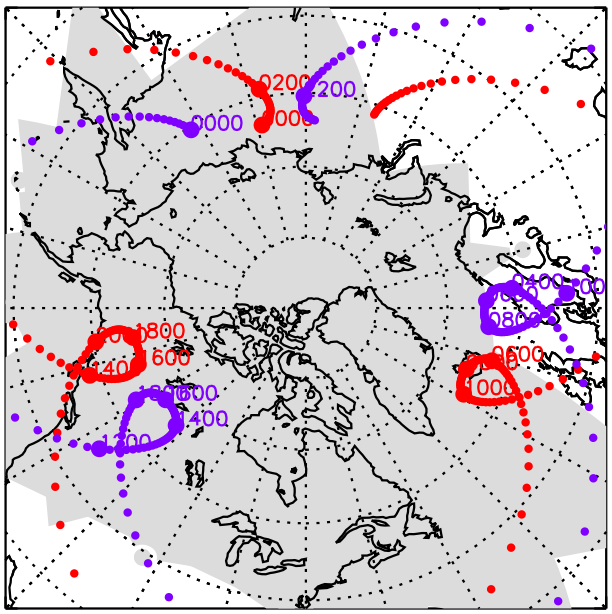


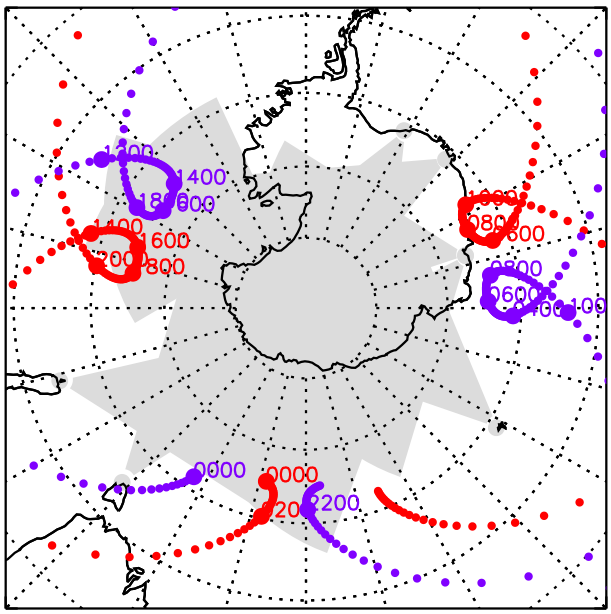

(c) 1945UT to 2355UT
adw cly cvw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

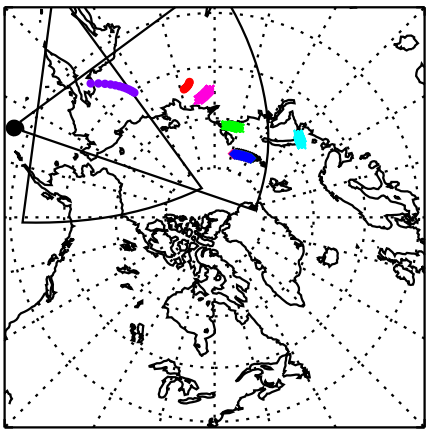
05–Jul–2014

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

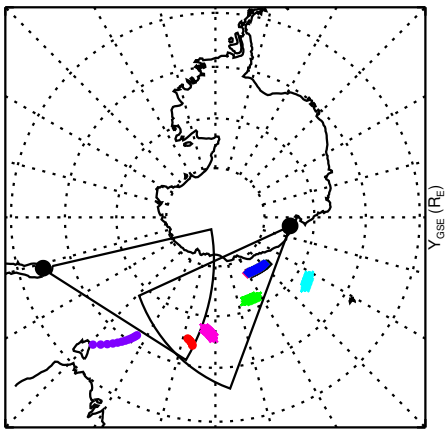


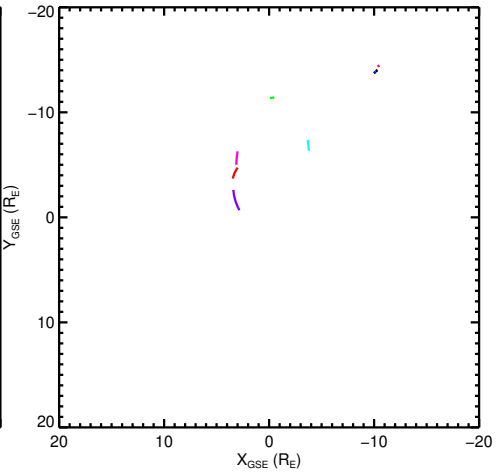


(a) 0000UT to 0055UT
adw hok

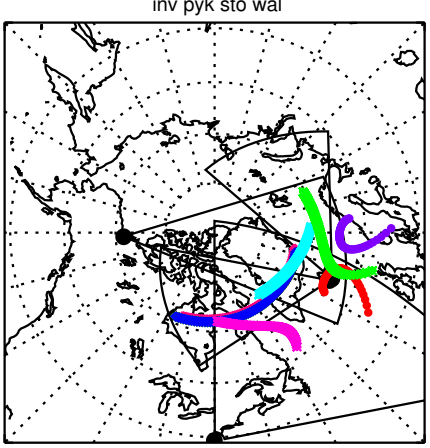


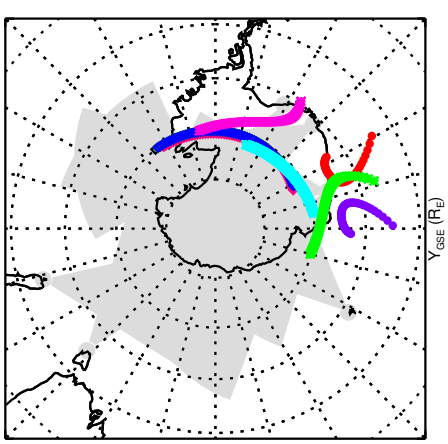
unw zho

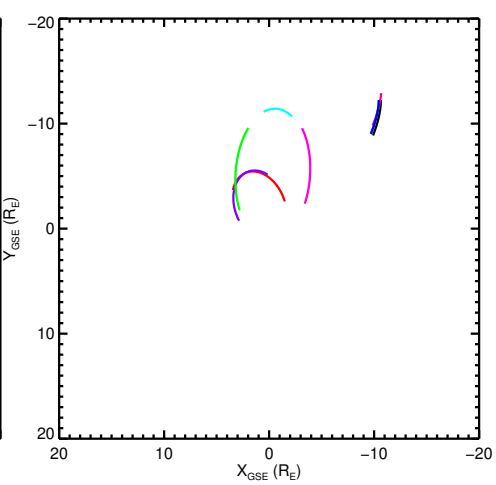




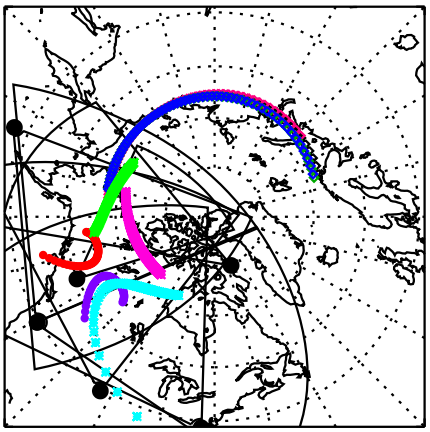
(b) 0440UT to 0955UT
inv pyk sto wal



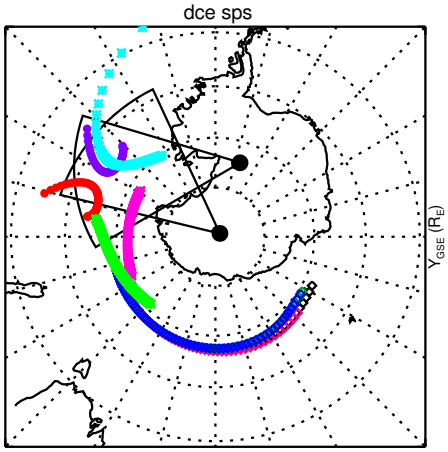


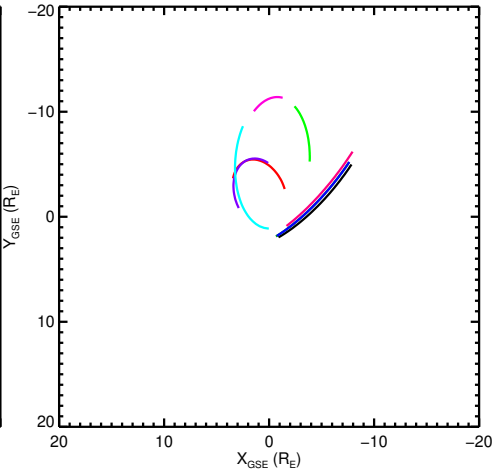


(c) 1340UT to 1855UT
ade bks cly cve cvw fhw pgr

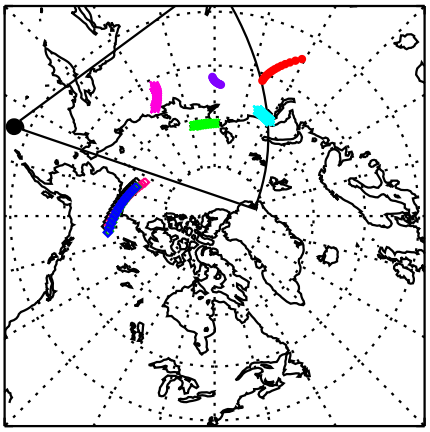


dce sps

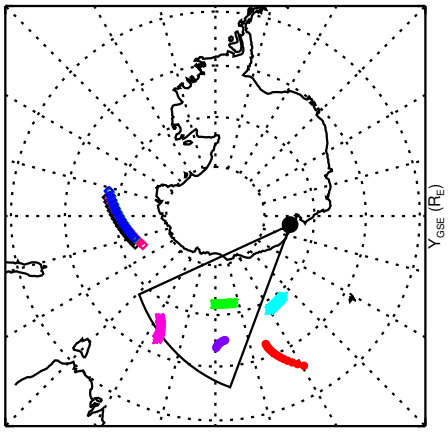


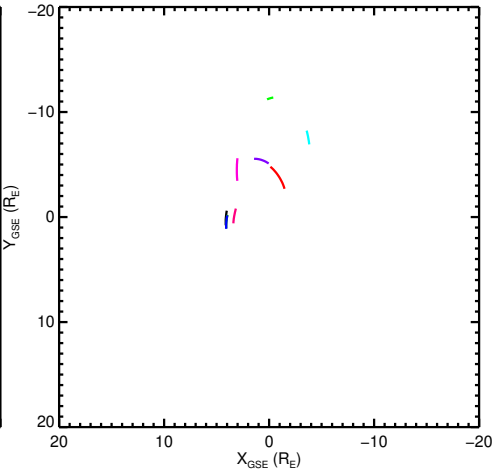


(d) 2240UT to 2355UT
adw



zho

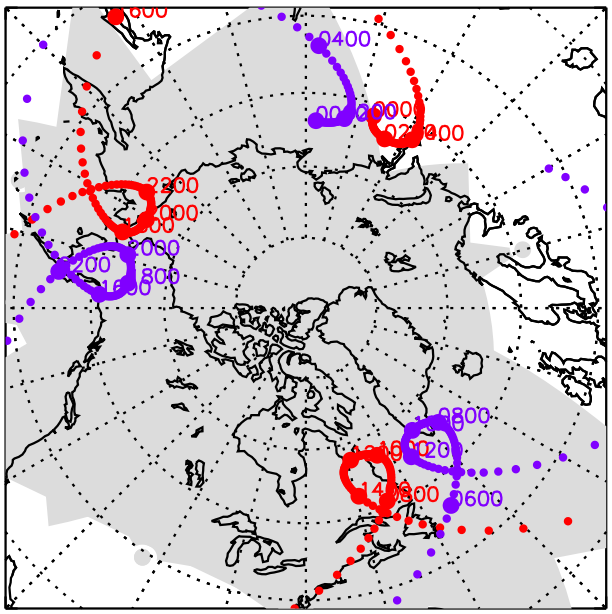


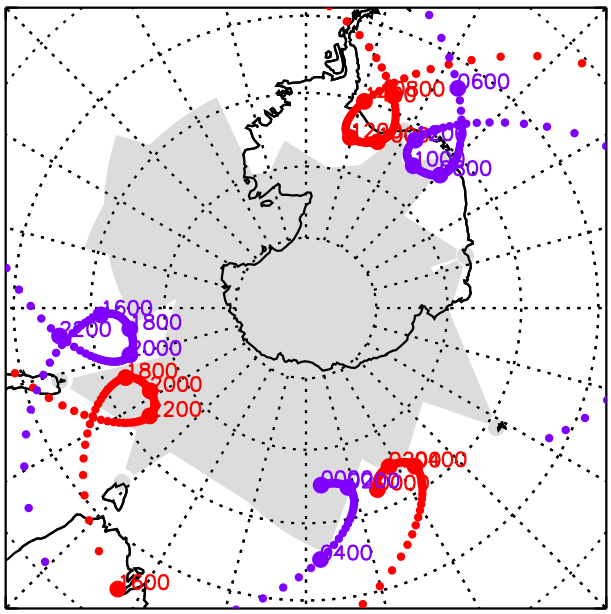


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

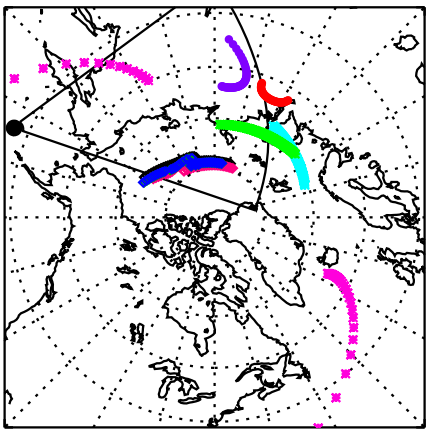
06–Jul–2014

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

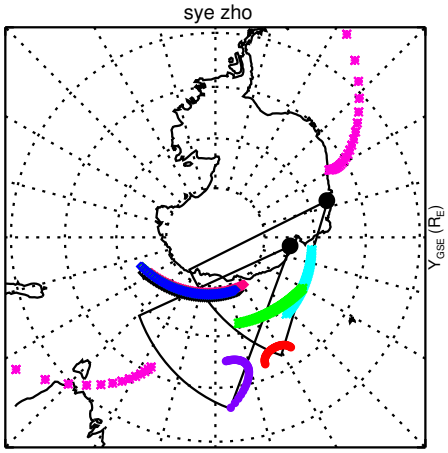


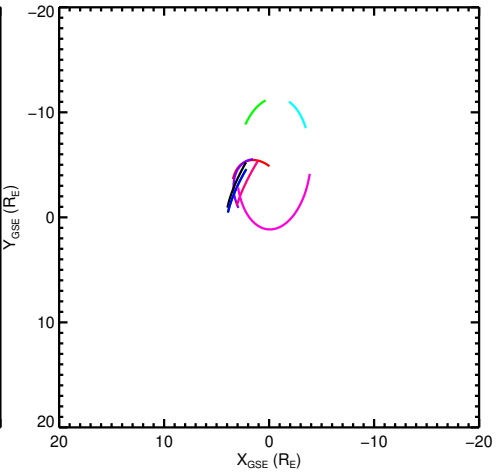


(a) 0000UT to 0355UT
adw

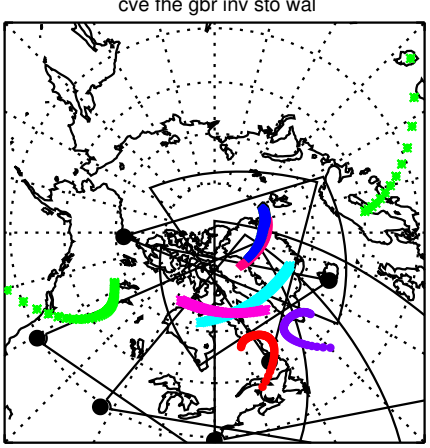


sye zho

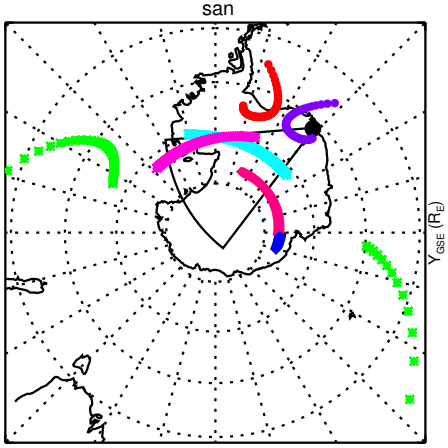


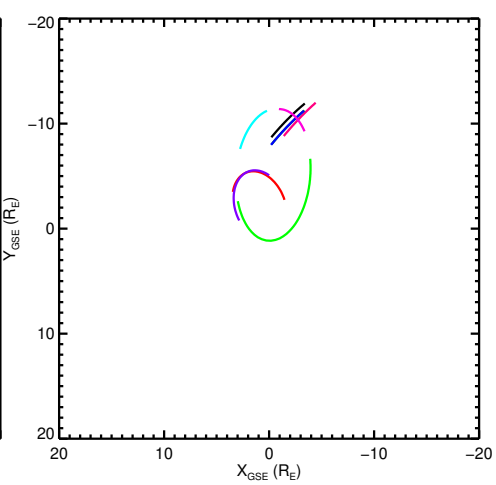


(b) 0740UT to 1300UT
cve fhe gbr inv sto wal

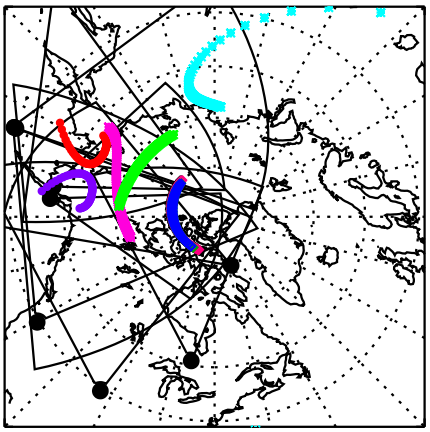


san

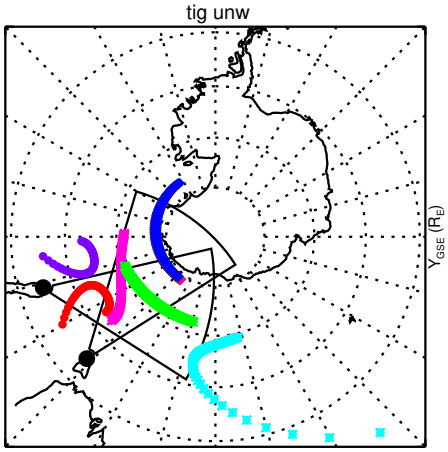


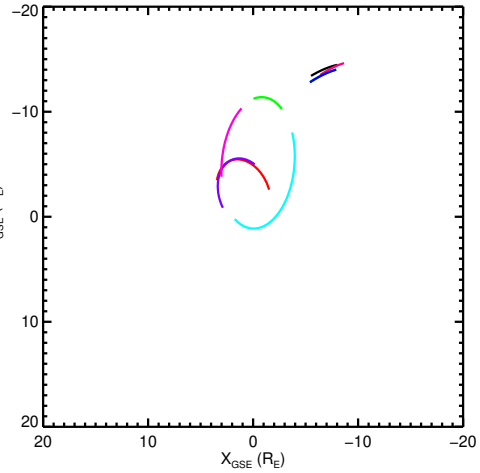


(c) 1635UT to 2200UT
ade adw cly cvw fhw hok kap kod ksr



tig unw

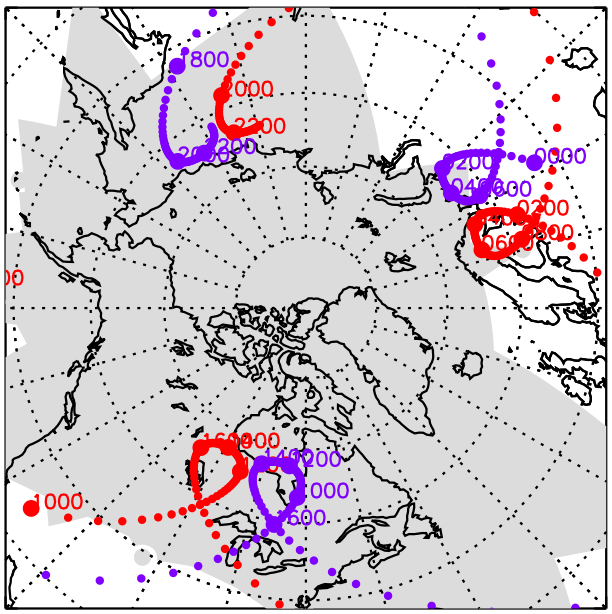


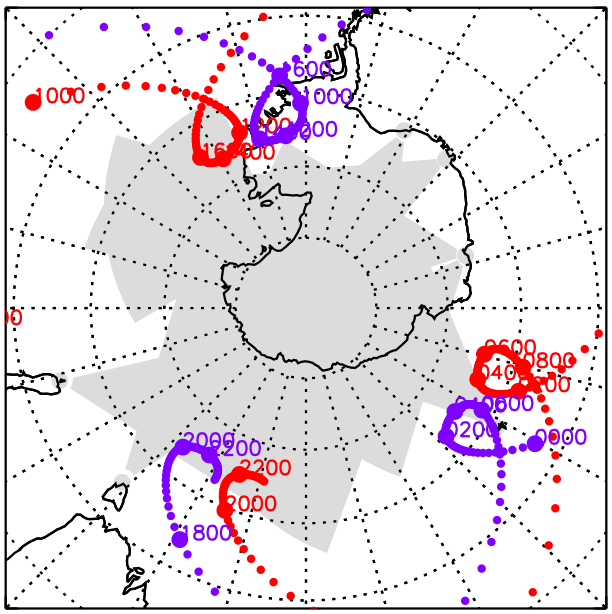


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

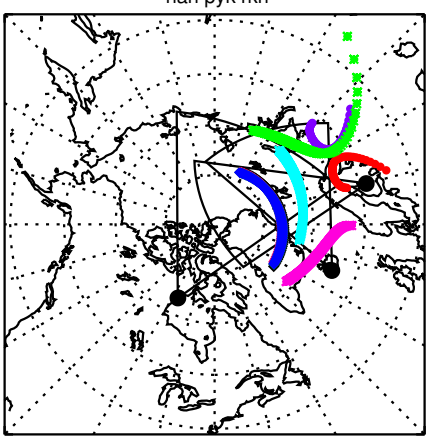
07–Jul–2014

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

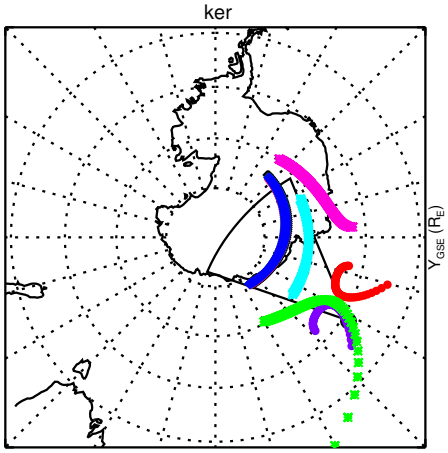


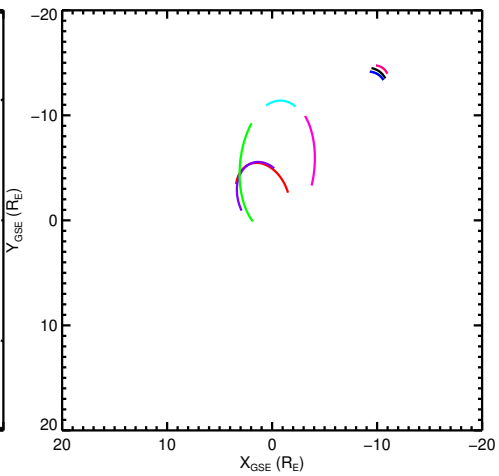


(a) 0135UT to 0700UT
han pyk rkn

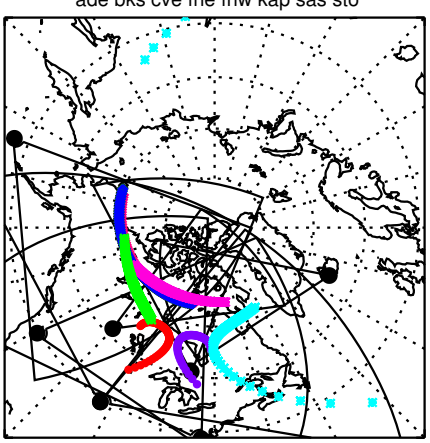


ker

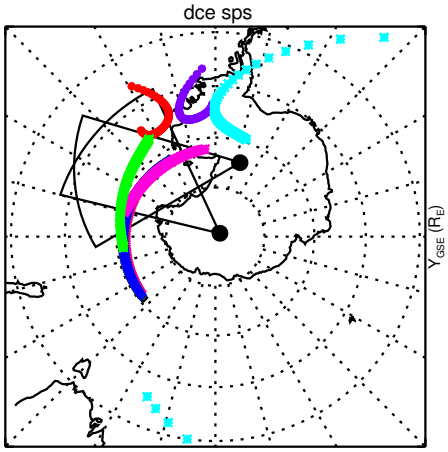


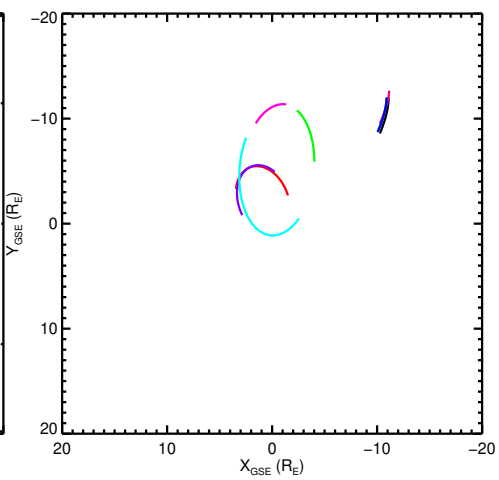


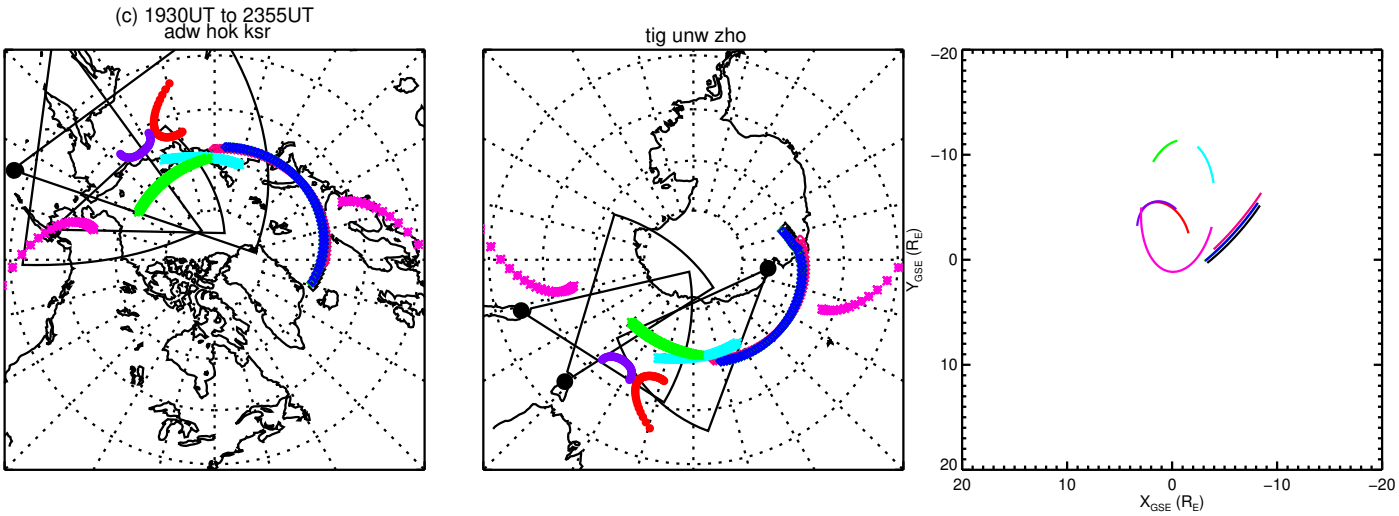
(b) 1035UT to 1605UT
ade bks cve fhe fhw kap sas sto



dce sps



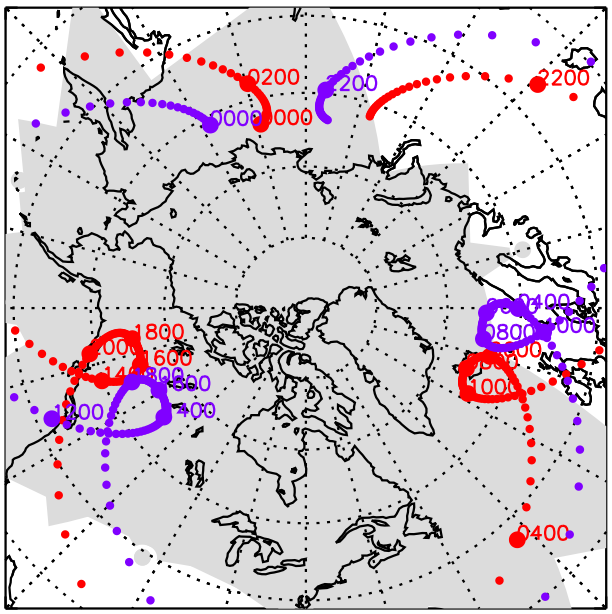


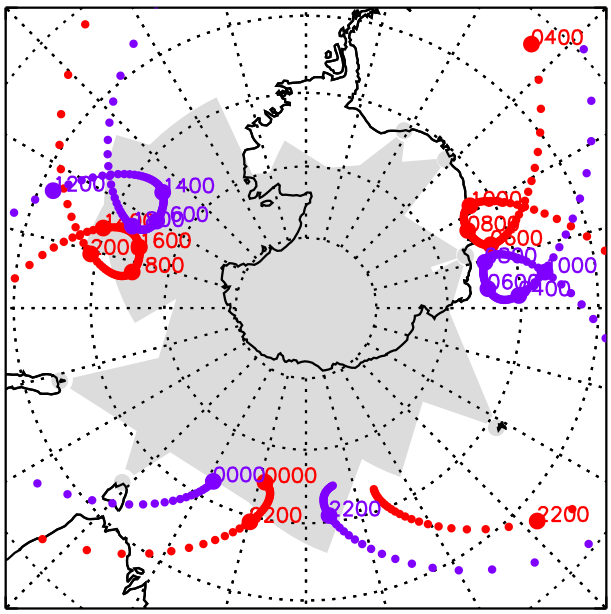

(c) 1930UT to 2355UT
adw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

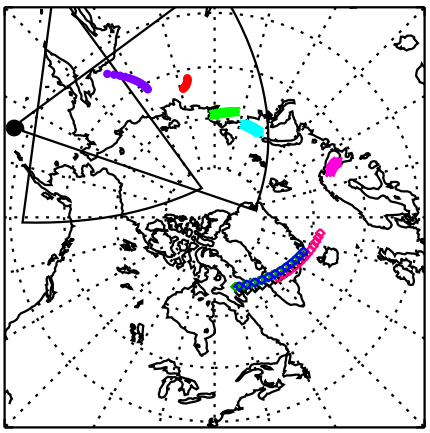
08–Jul–2014

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

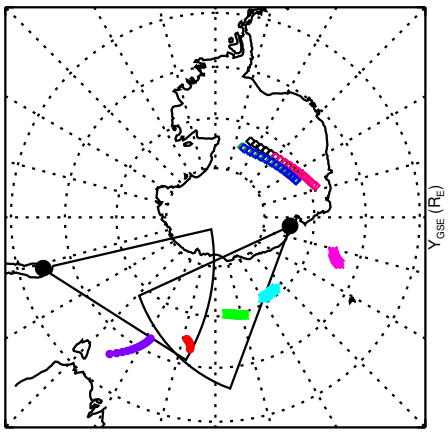


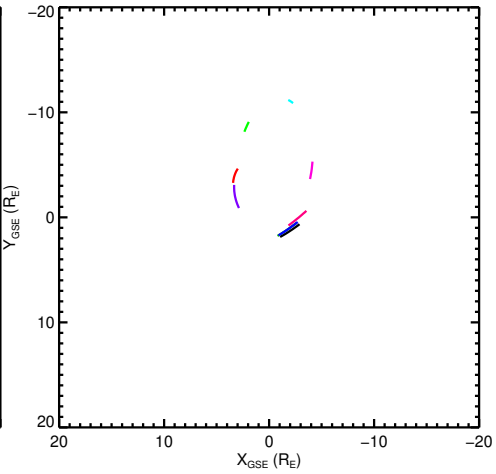


(a) 0000UT to 0105UT
adw hok

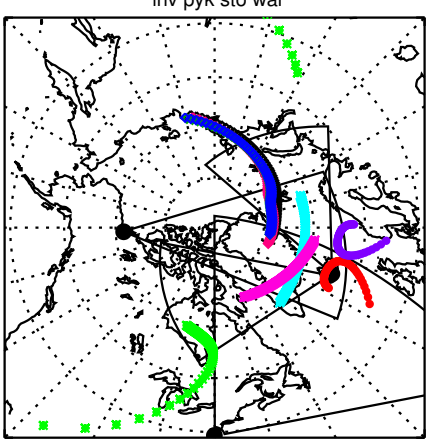


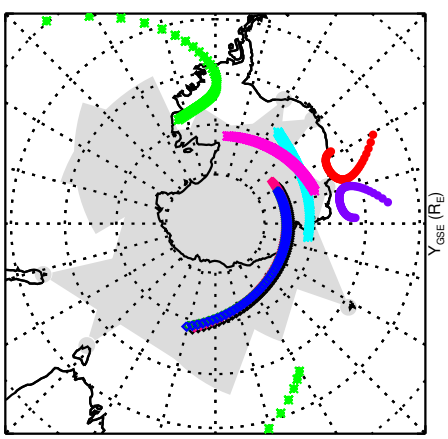
unw zho

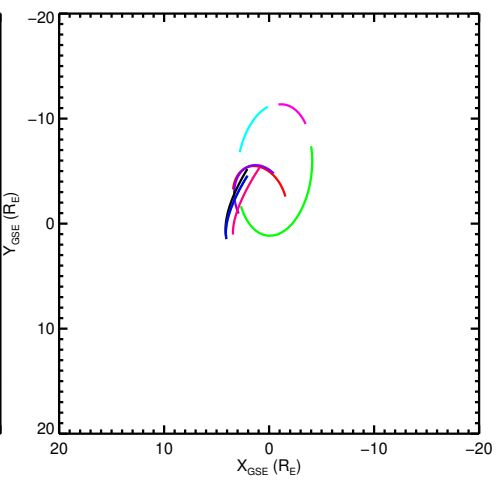




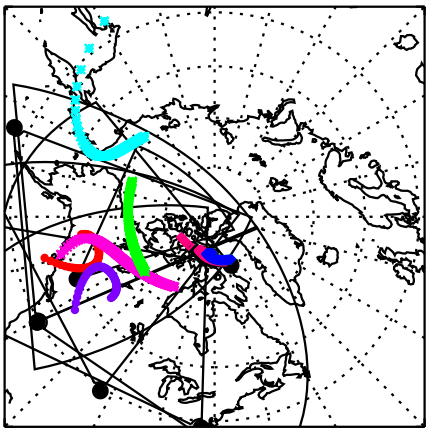
(b) 0430UT to 1005UT
inv pyk sto wal



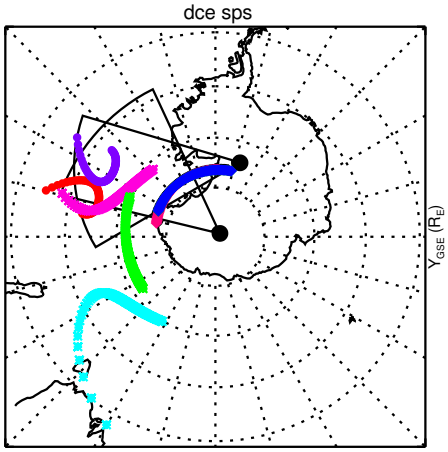


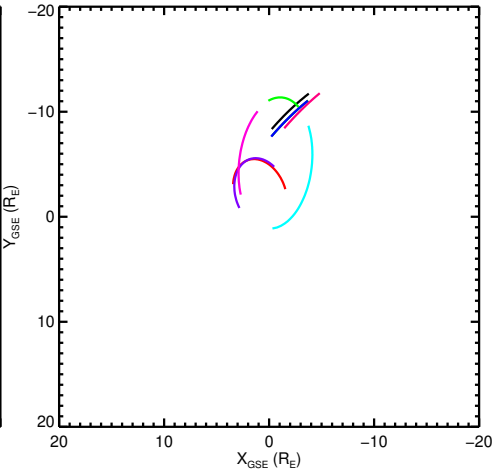


(c) 1330UT to 1910UT
ade bks cly cve cvw fhw pgr

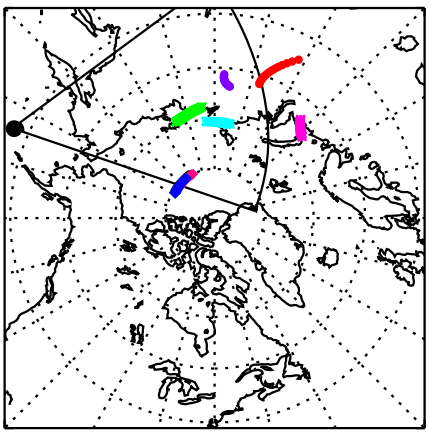


dce sps

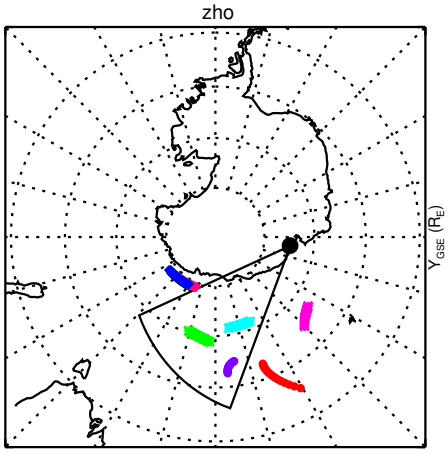


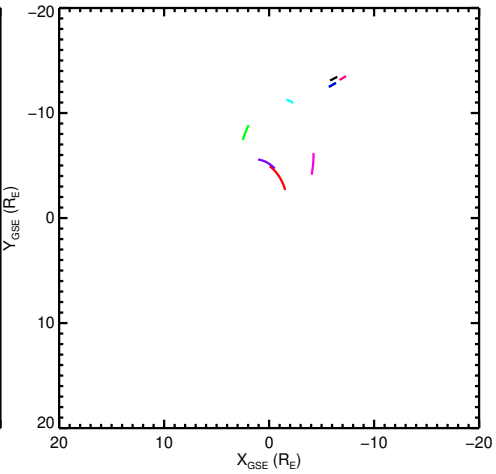


(d) 2230UT to 2355UT
adw



zho

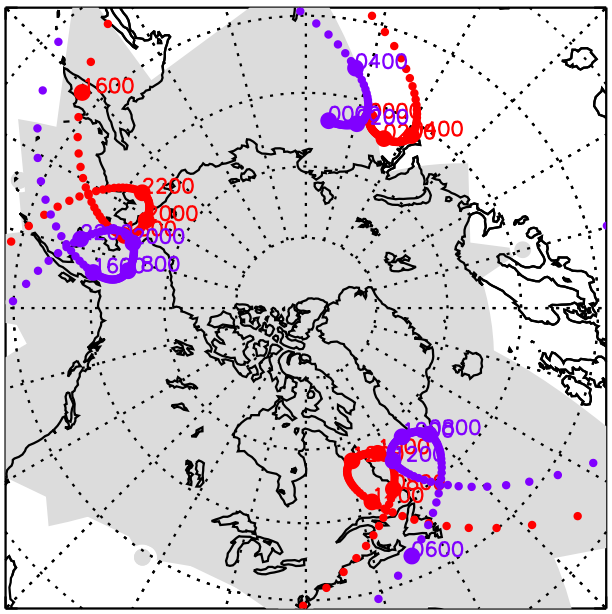


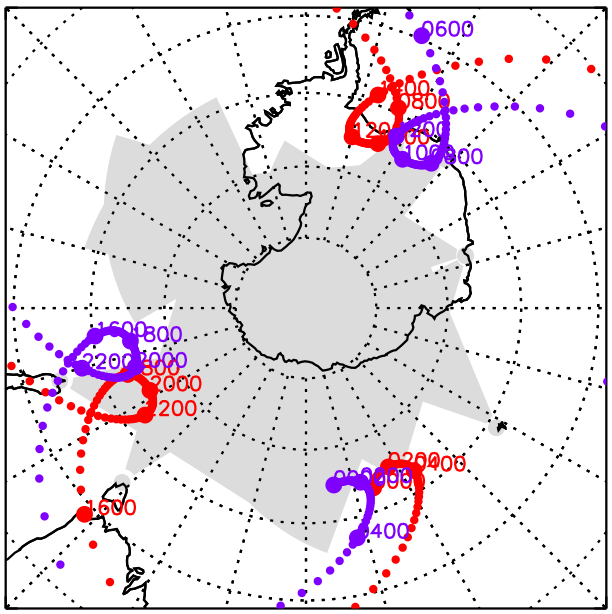


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

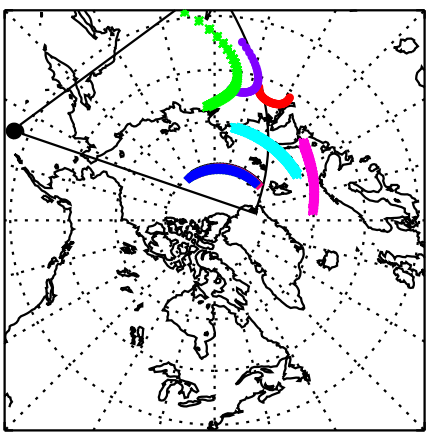
09–Jul–2014

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

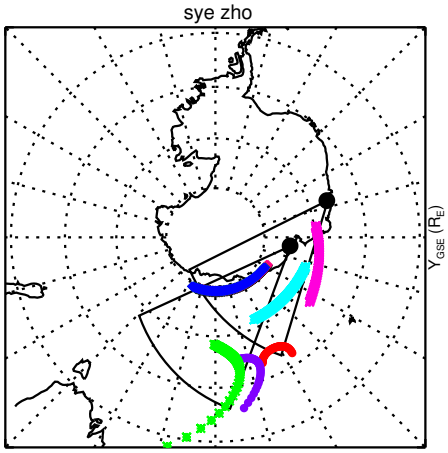


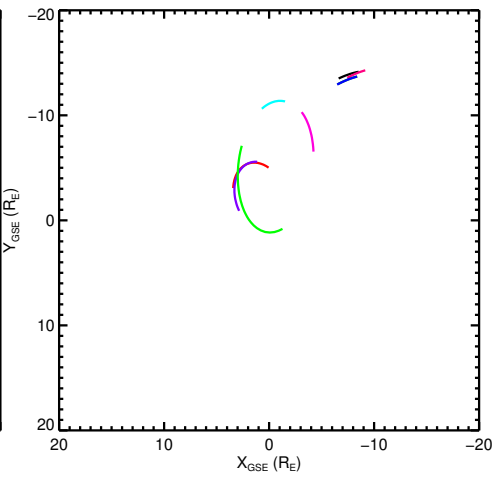


(a) 0000UT to 0410UT
adw

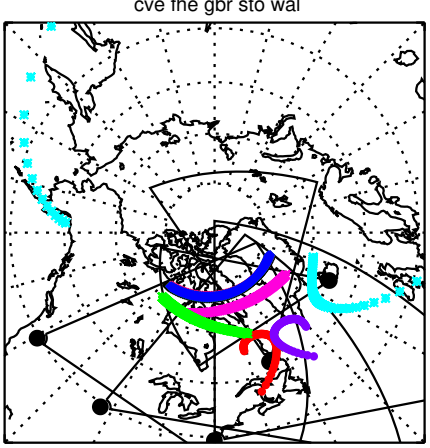


sye zho

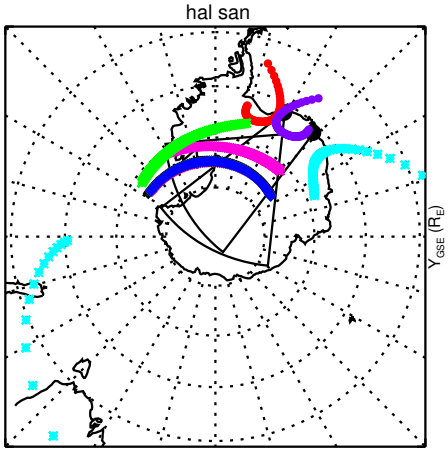


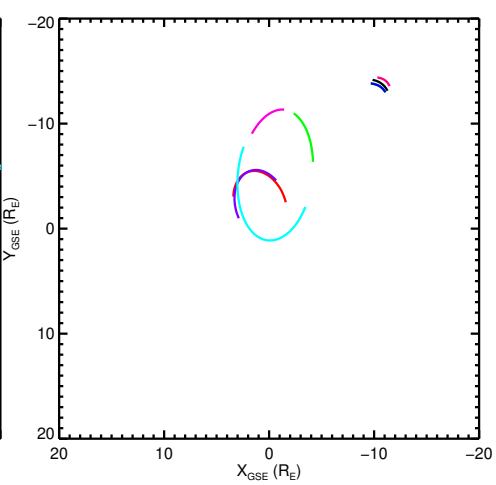


(b) 0725UT to 1310UT
cve fhe gbr sto wal

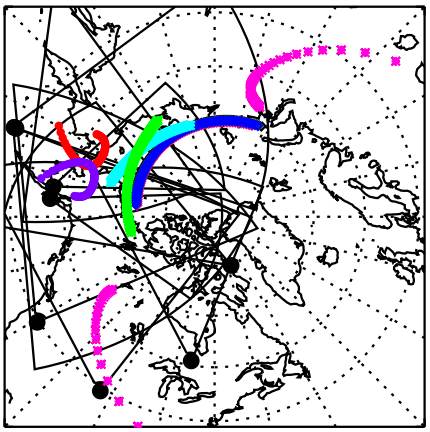


hal san

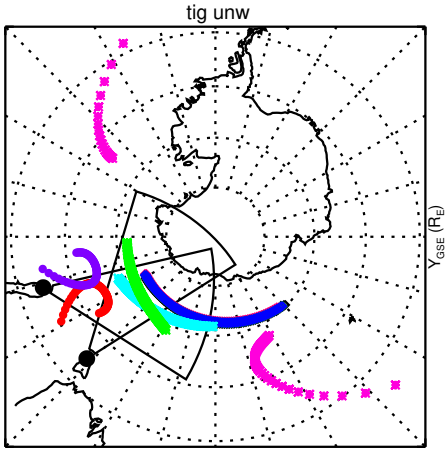


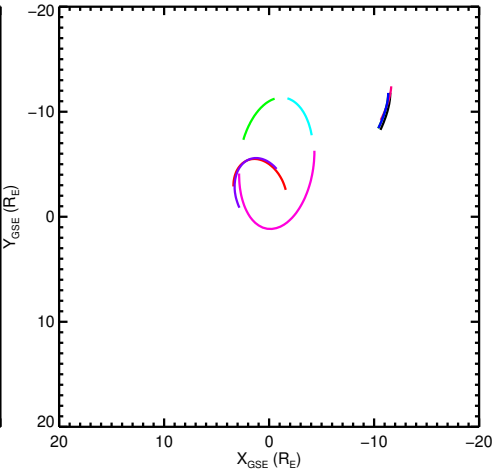


(c) 1625UT to 2215UT
ade adw cly cvw fhw hok kap kod ksr



tig unw

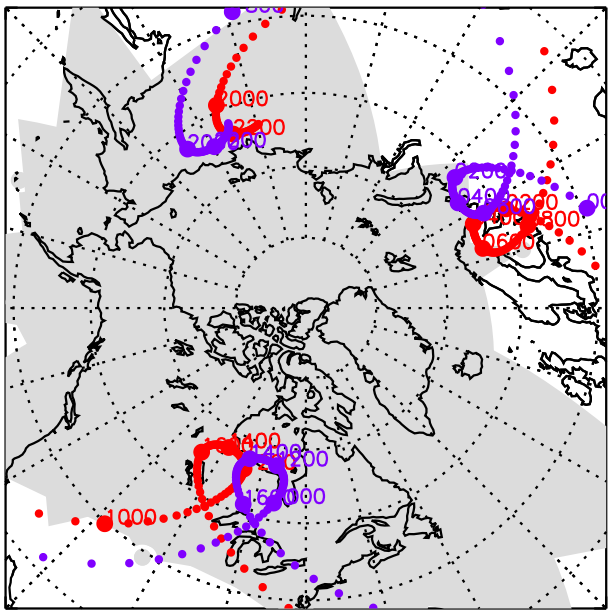


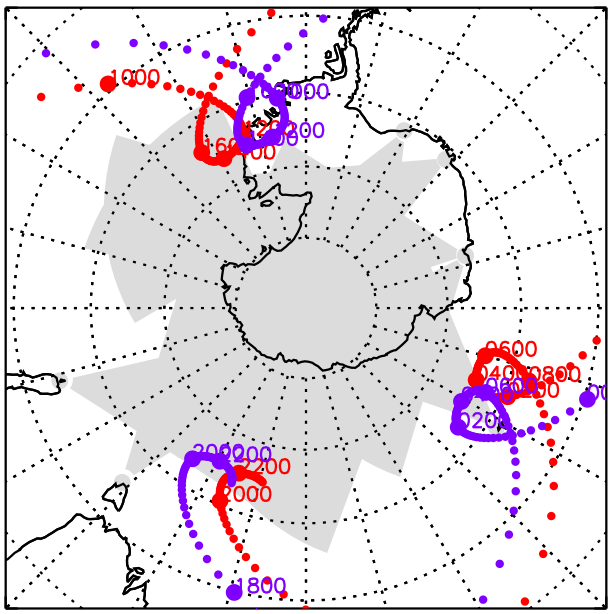


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

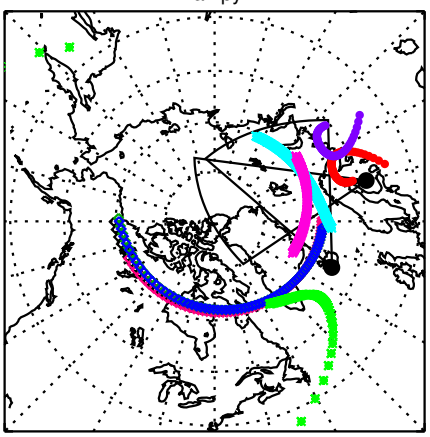
10–Jul–2014

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

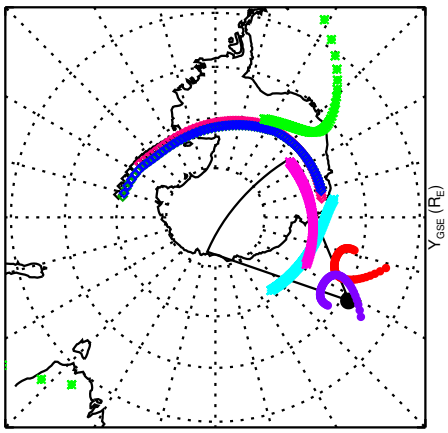


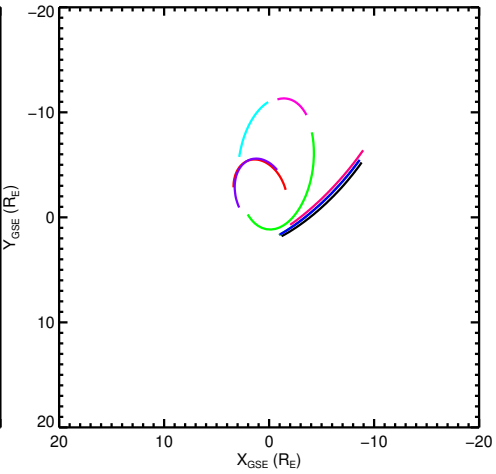


(a) 0125UT to 0715UT
han pyk

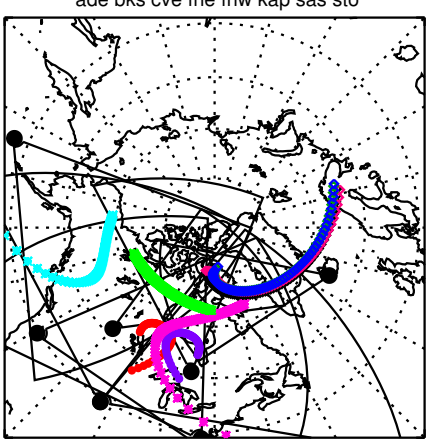


ker

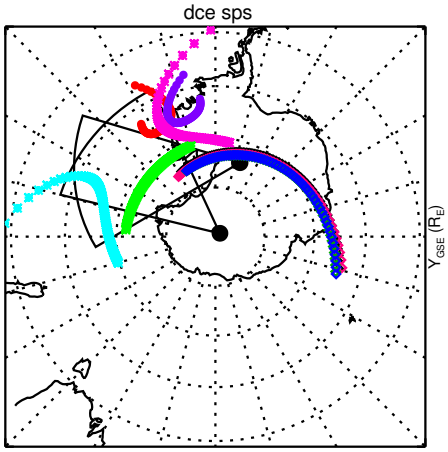


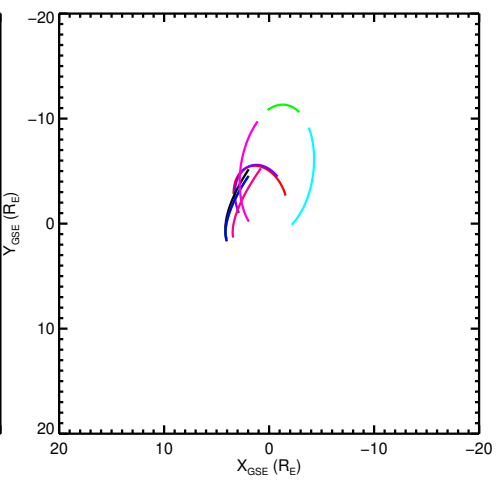


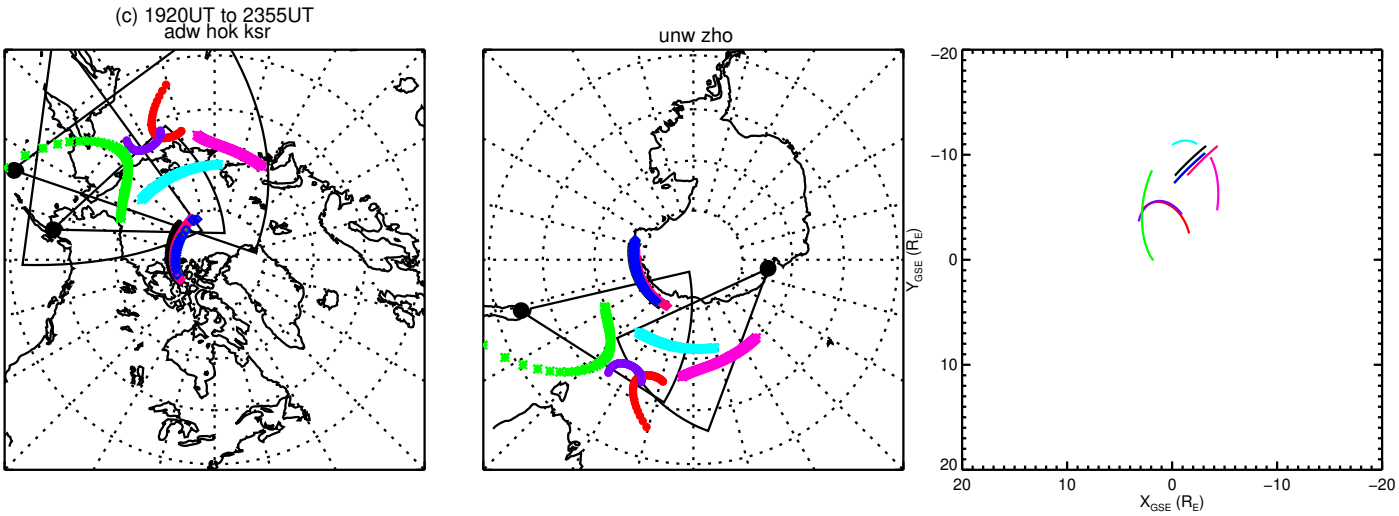
(b) 1025UT to 1615UT
ade bks cve fhe fhw kap sas sto



dce sps



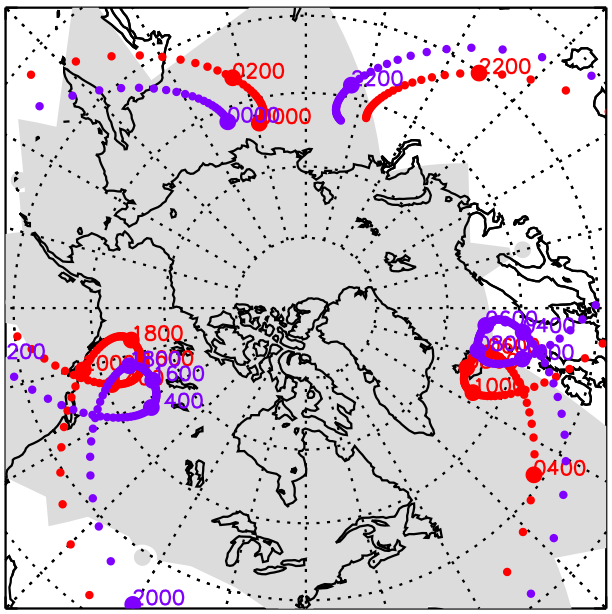


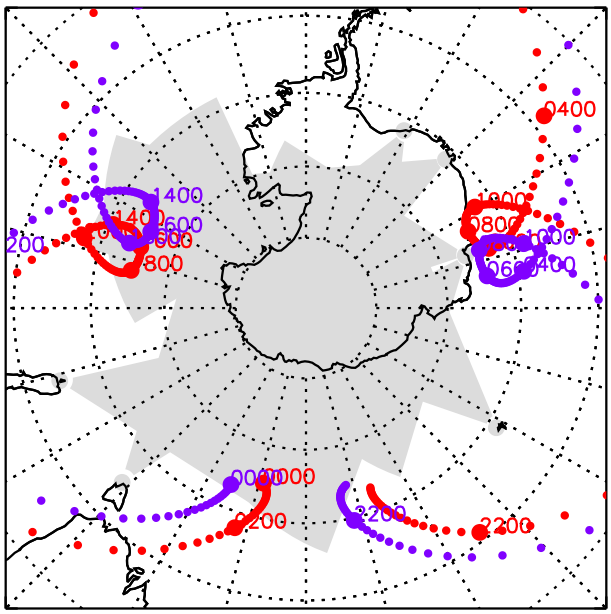

(c) 1920UT to 2355UT
adw hok ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

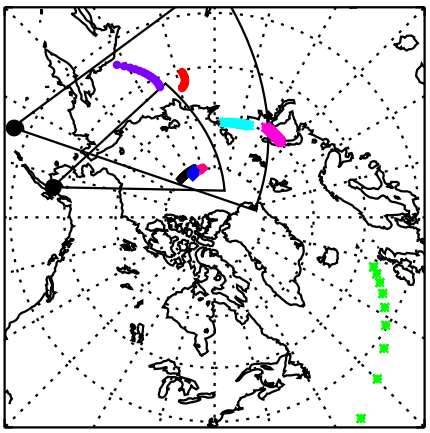
11–Jul–2014

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

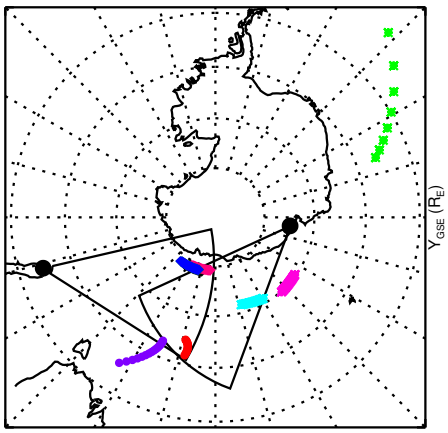


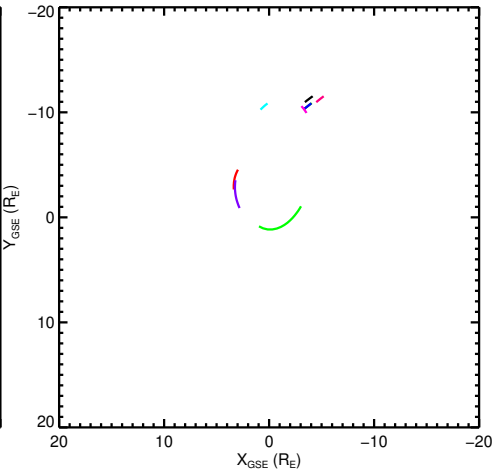


(a) 0000UT to 0120UT
adw ksr

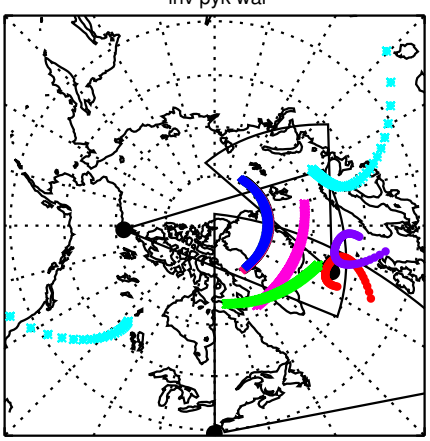


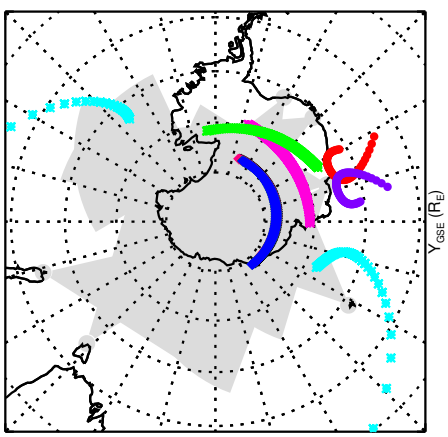
unw zho

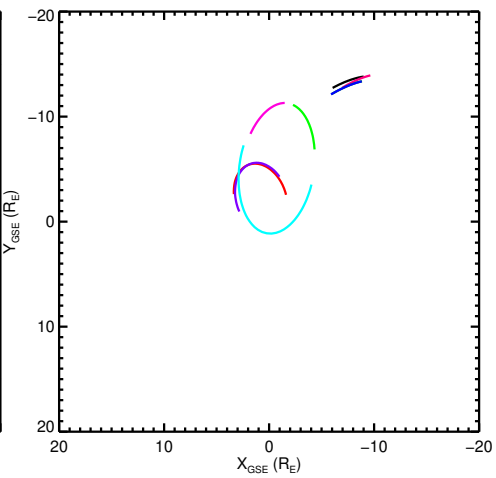




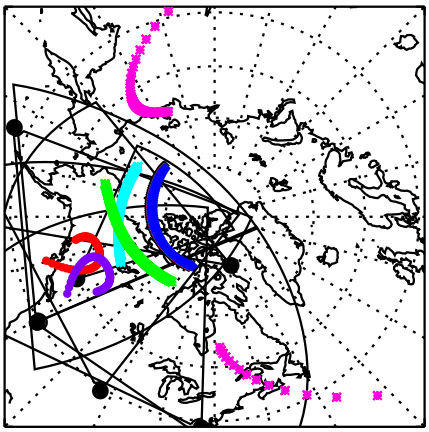
(b) 0420UT to 1020UT
inv pyk wal



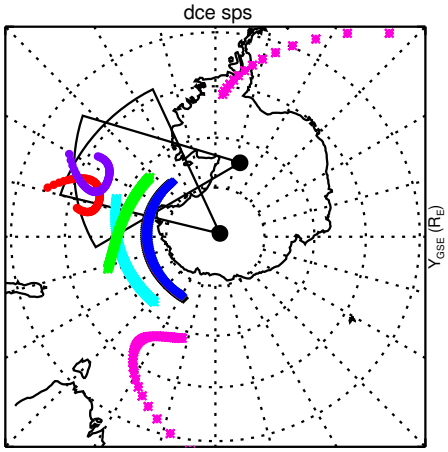


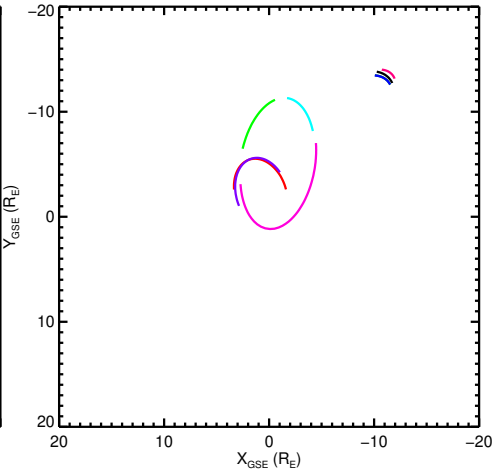


(c) 1320UT to 1920UT
ade bks cly cve cvw fhw pgr

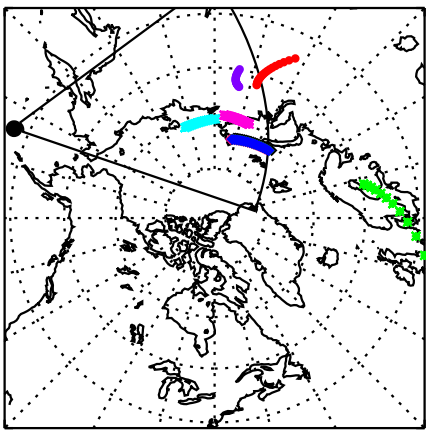


dce sps

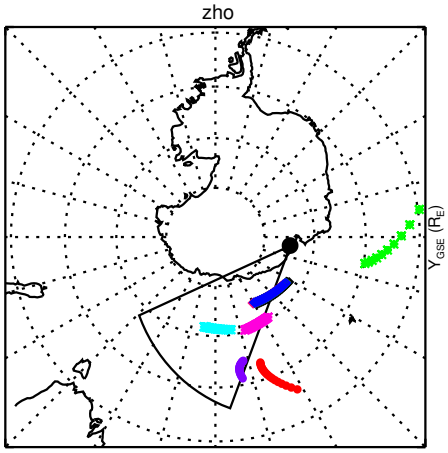


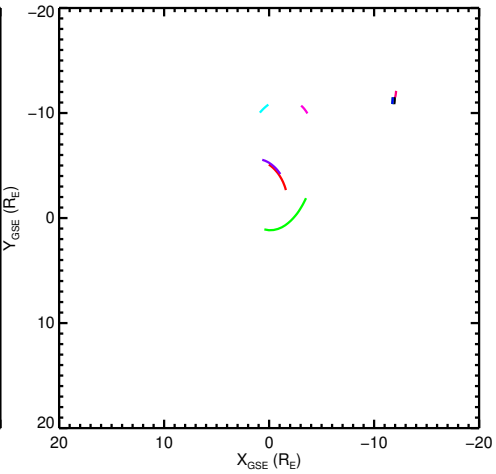


(d) 2220UT to 2355UT
adw



zho

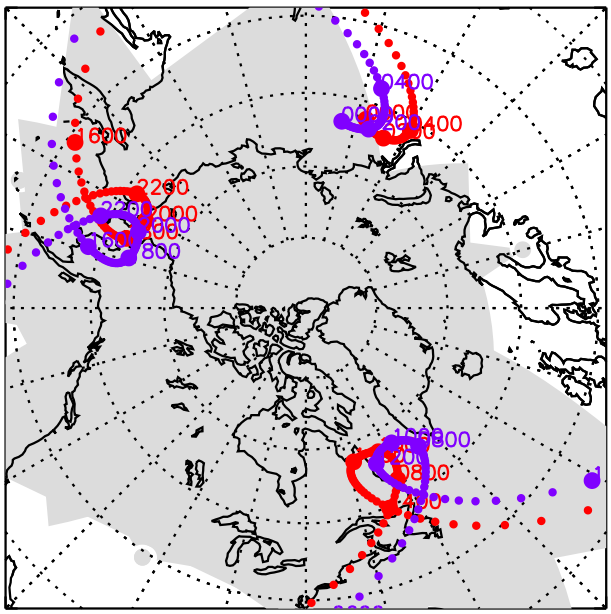


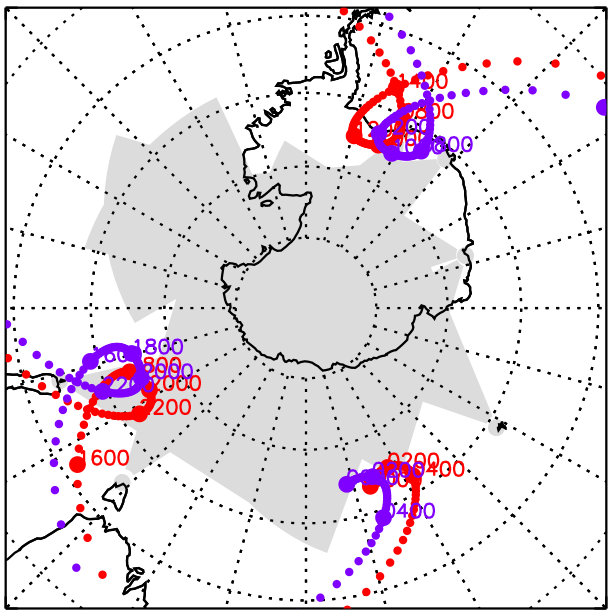


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

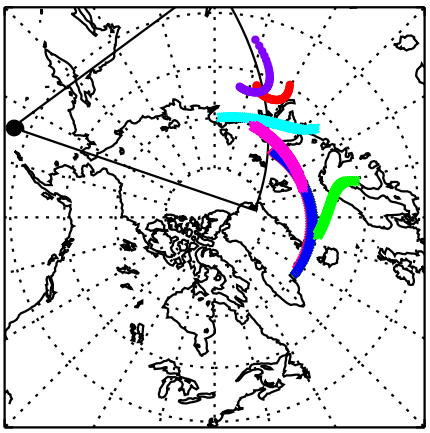
12–Jul–2014

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

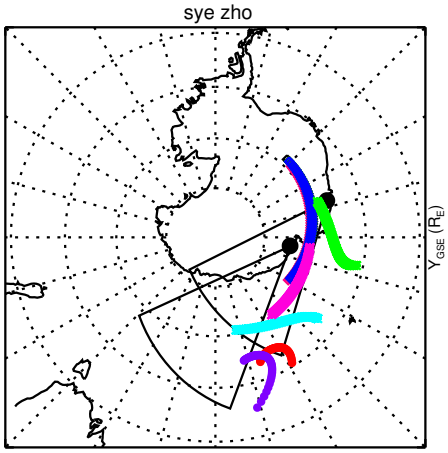


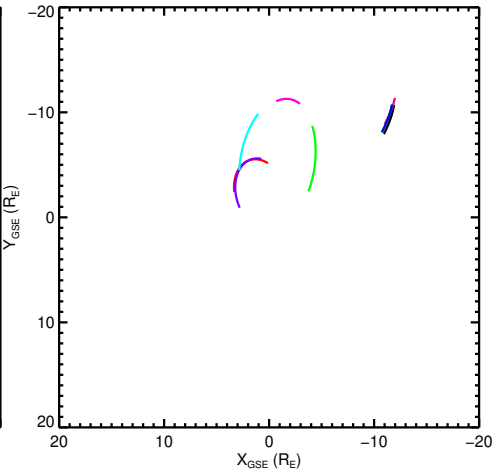


(a) 0000UT to 0425UT
adw

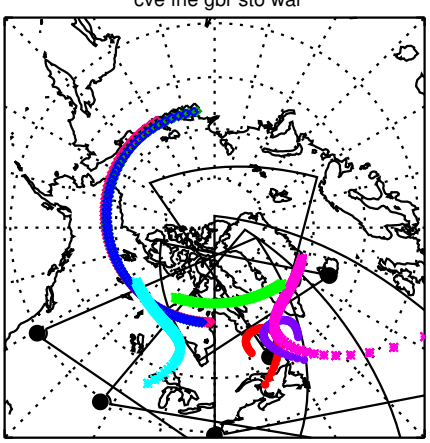


sye zho

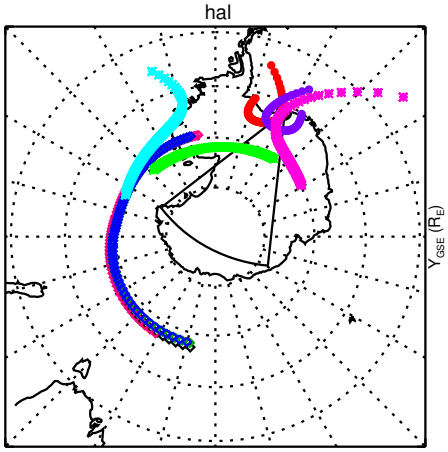


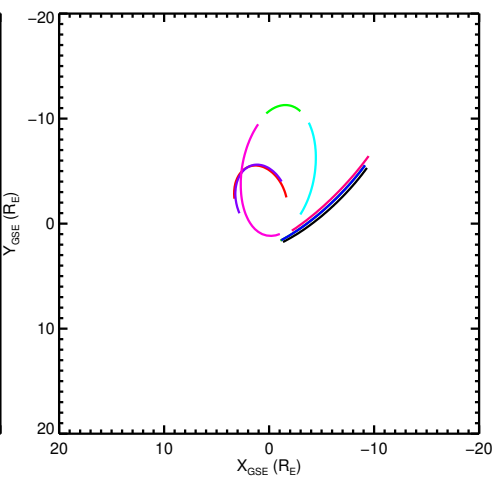


(b) 0715UT to 1325UT
cve fhe gbr sto wal

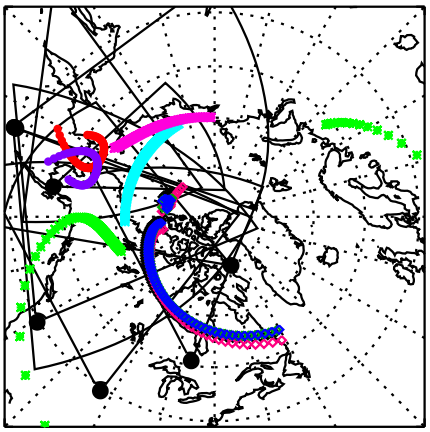


hal

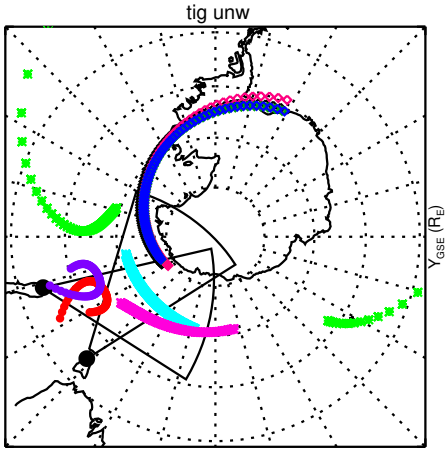


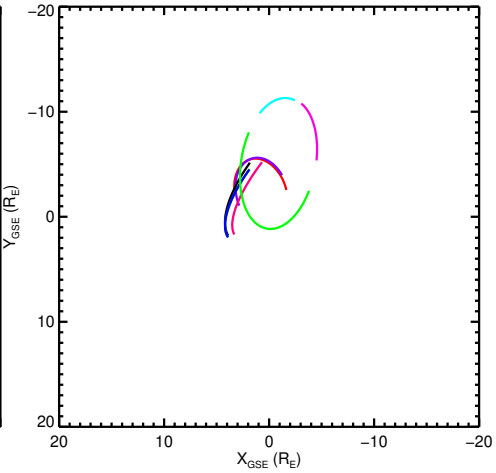


(c) 1615UT to 2225UT
ade adw cly cvw fhw hok kap ksr



tig unw

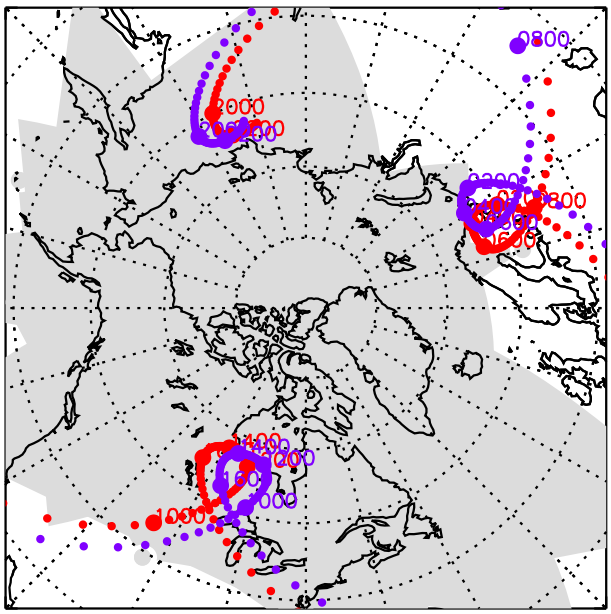


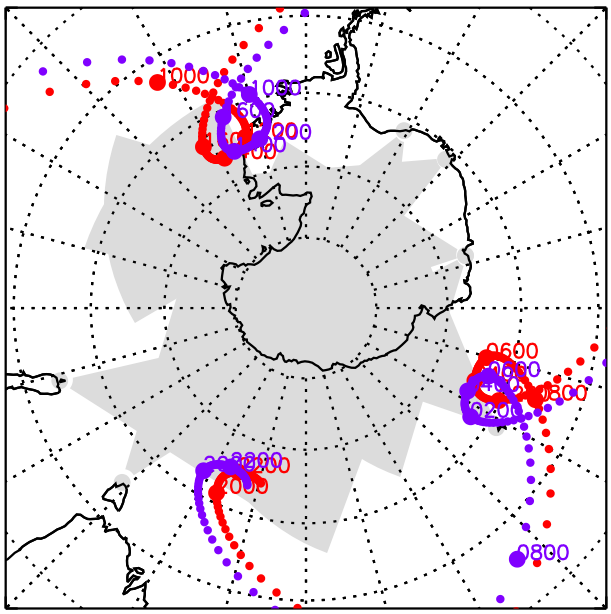


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

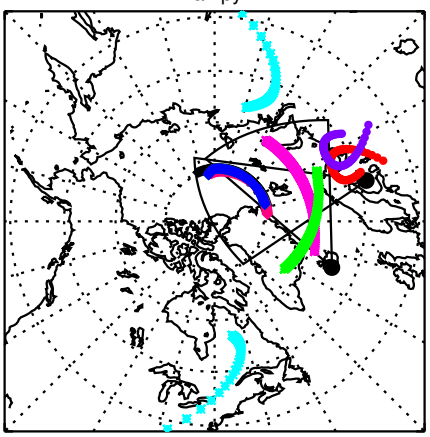
13–Jul–2014

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

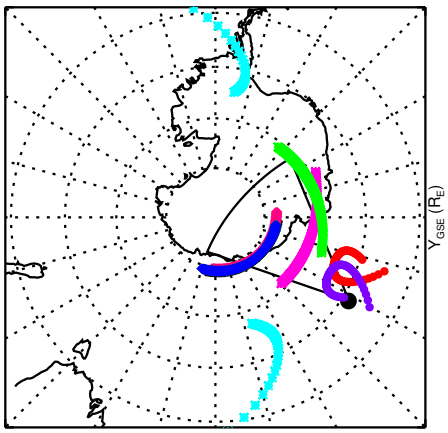


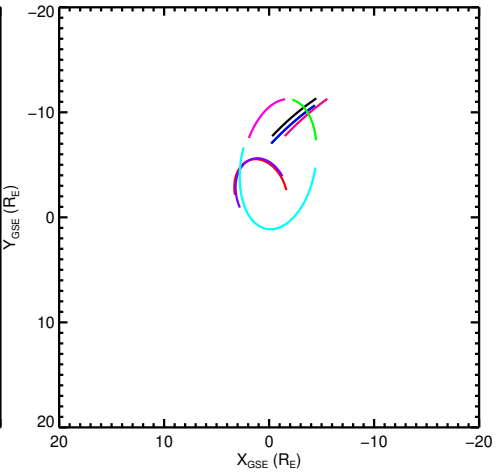


(a) 0115UT to 0730UT
han pyk

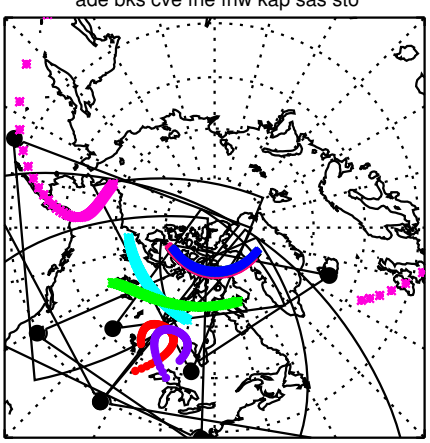


ker

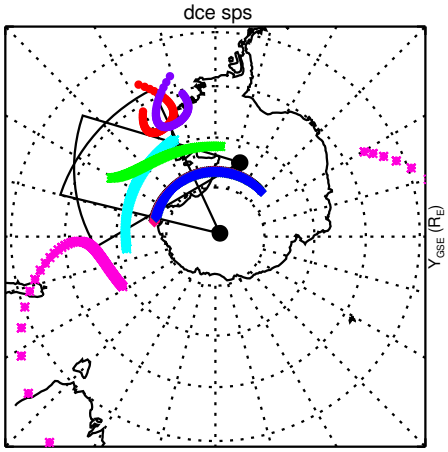


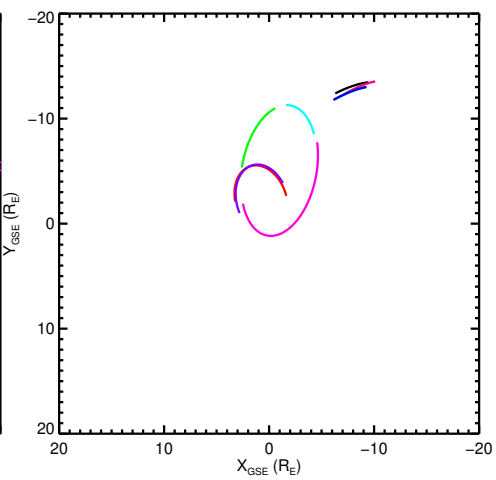


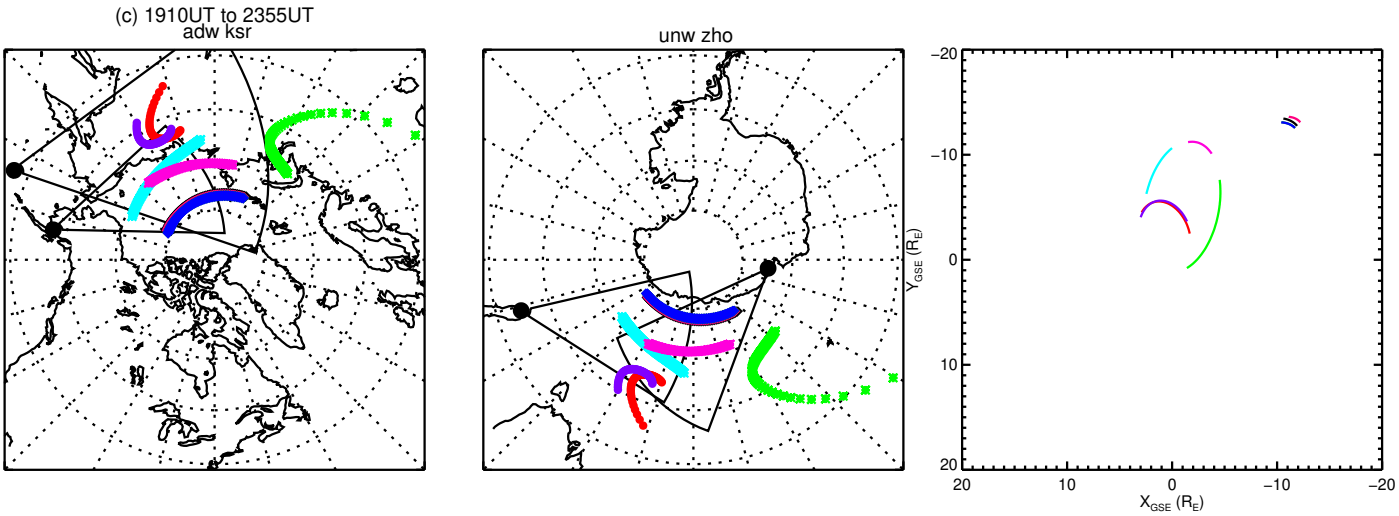
(b) 1015UT to 1630UT
ade bks cve fhe fhw kap sas sto



dce sps



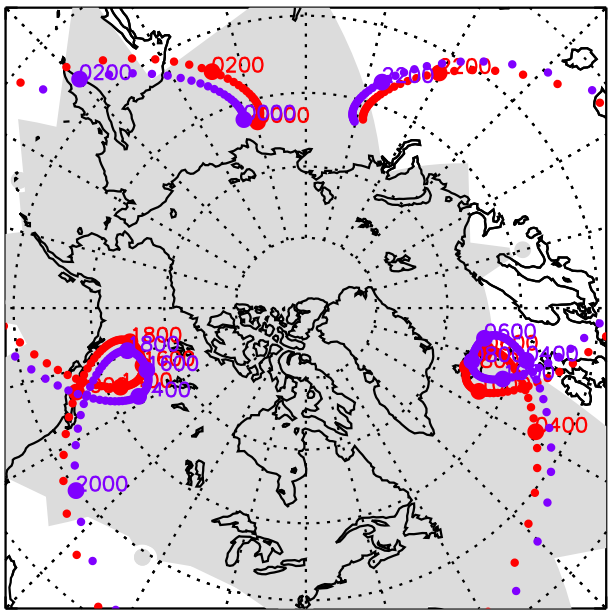


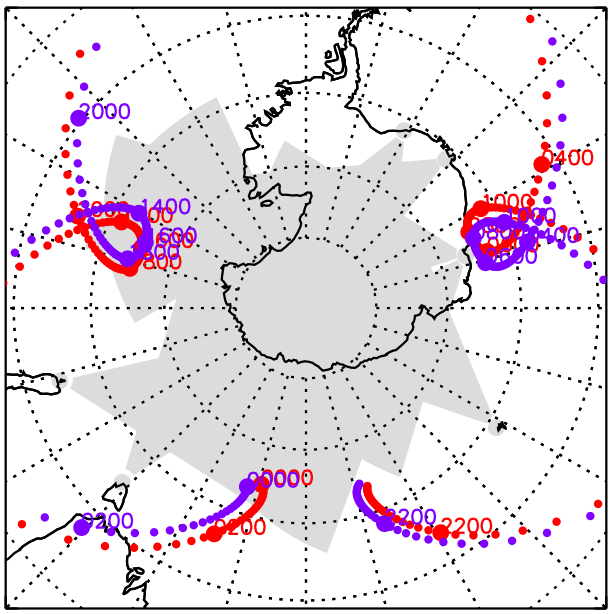

(c) 1910UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

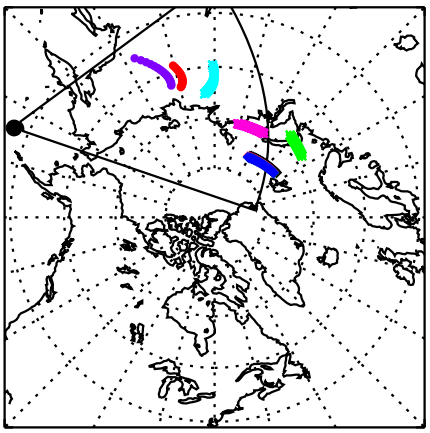
14–Jul–2014

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

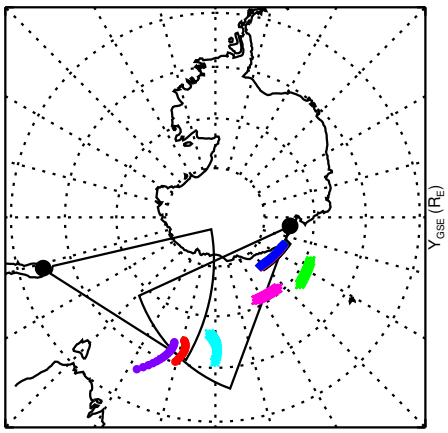


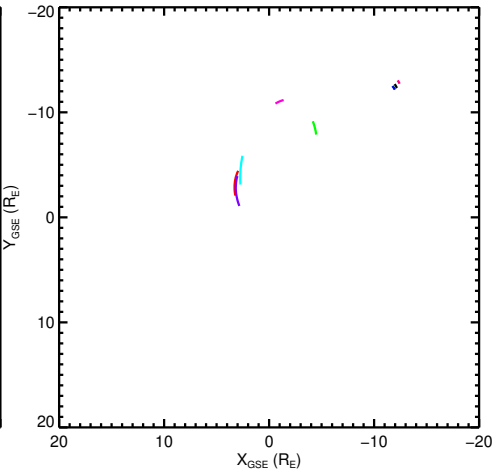


(a) 0000UT to 0130UT
adw

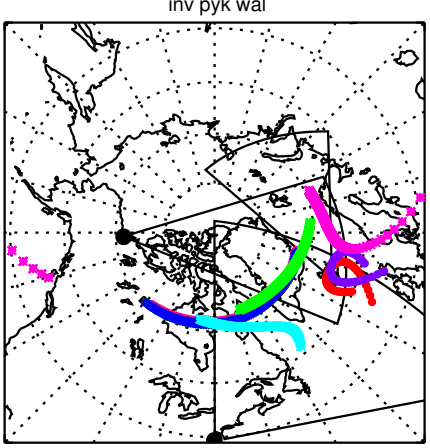


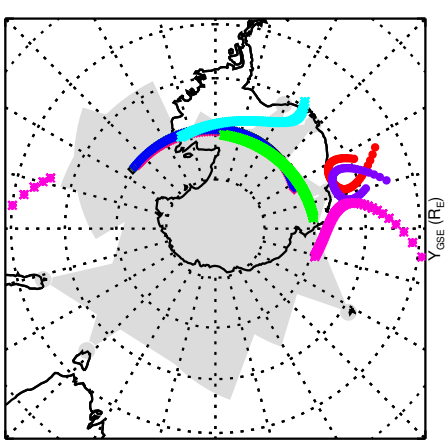
unw zho

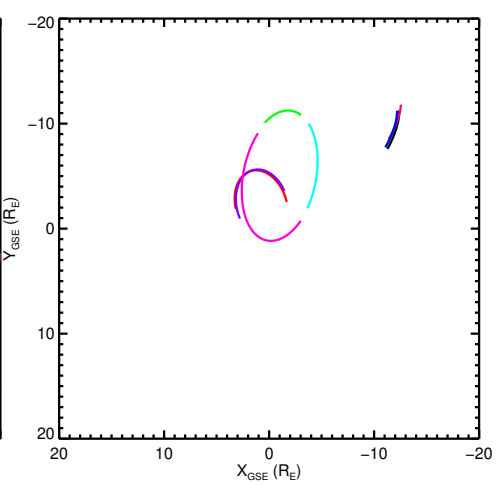




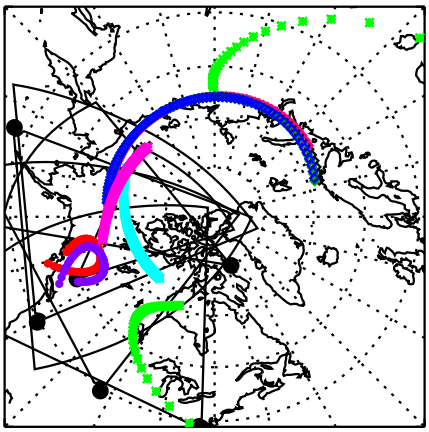
(b) 0410UT to 1035UT
inv pyk wal



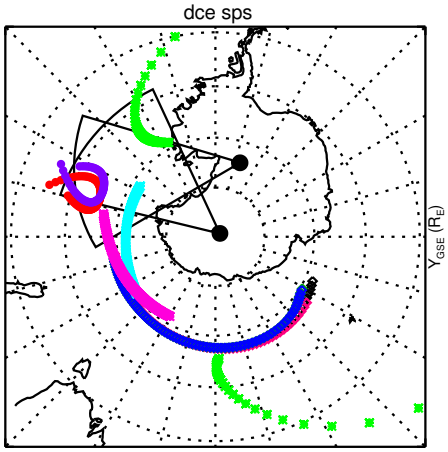


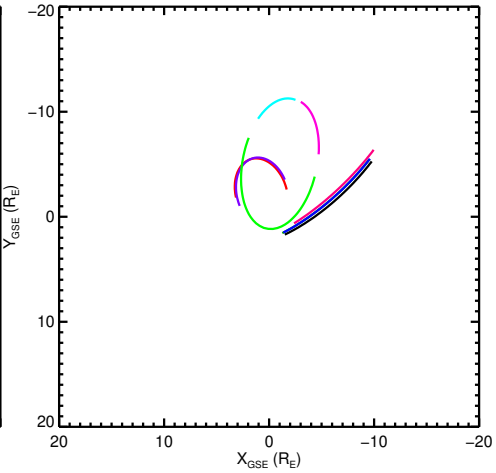


(c) 1310UT to 1935UT
ade bks cly cvw fhw pgr

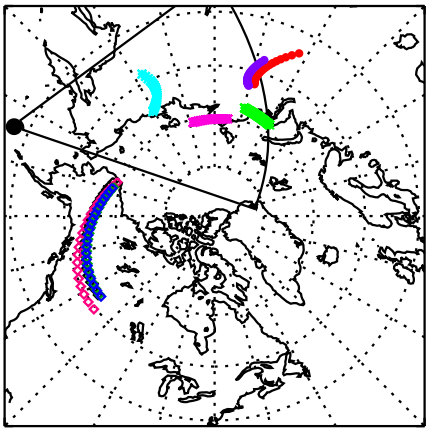


dce sps

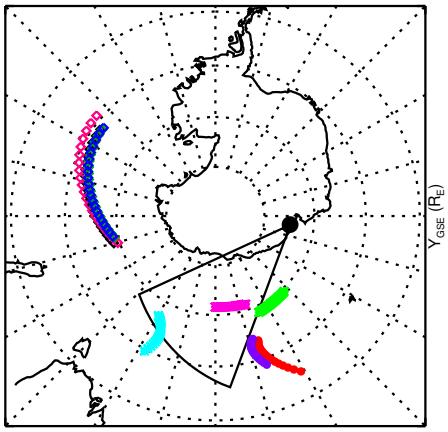


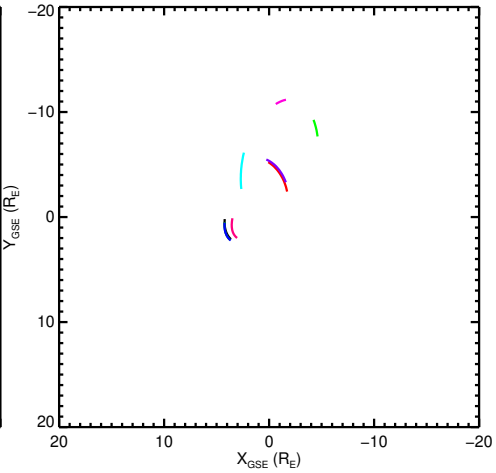


(d) 2205UT to 2355UT
adw



zho

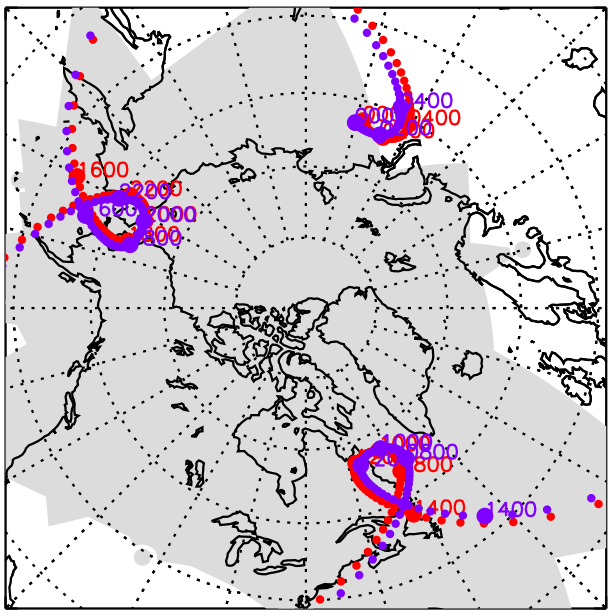


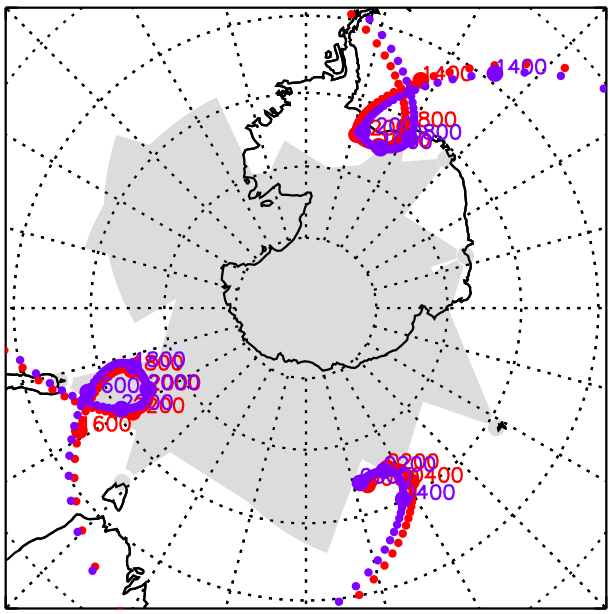


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

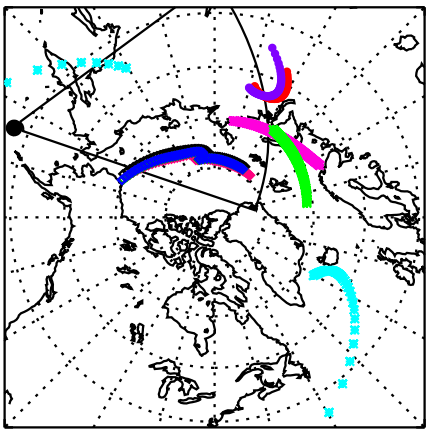
15–Jul–2014

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

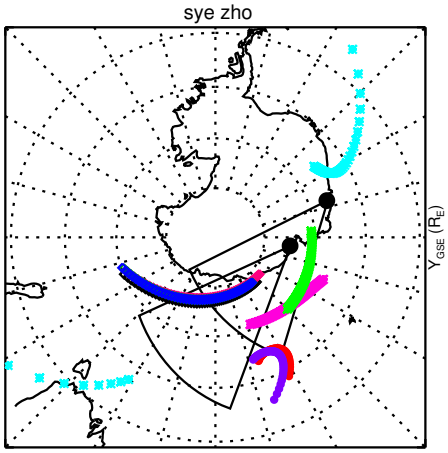


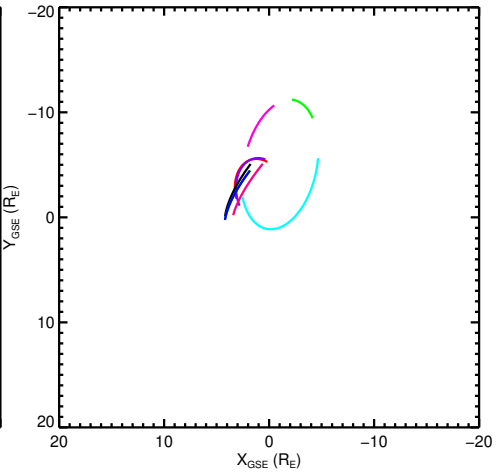


(a) 0000UT to 0435UT
adw

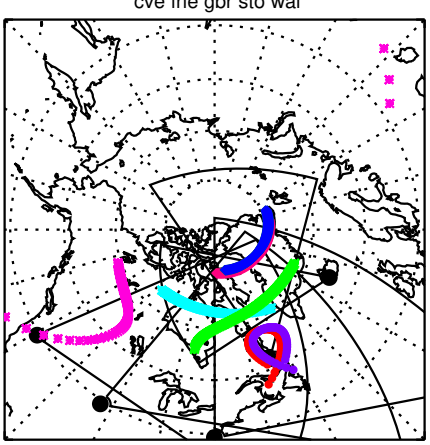


sye zho

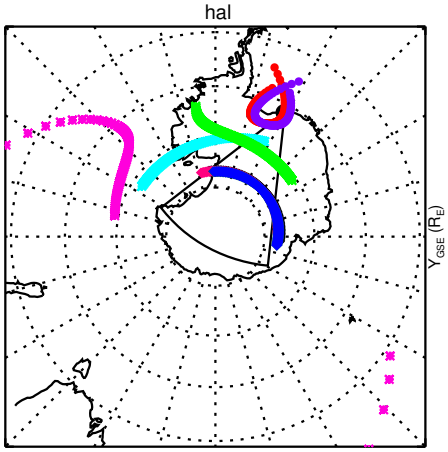


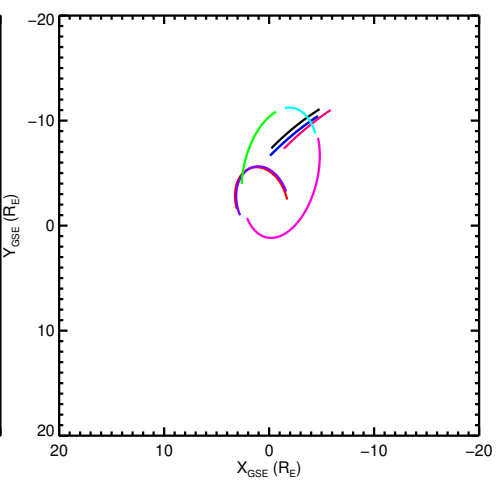


(b) 0705UT to 1340UT
cve fhe gbr sto wal

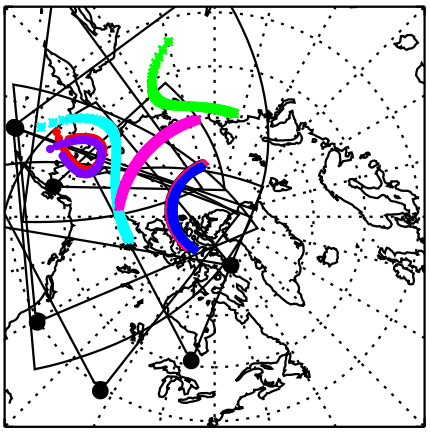


hal

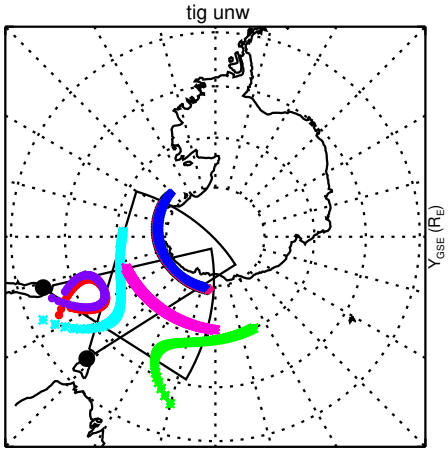


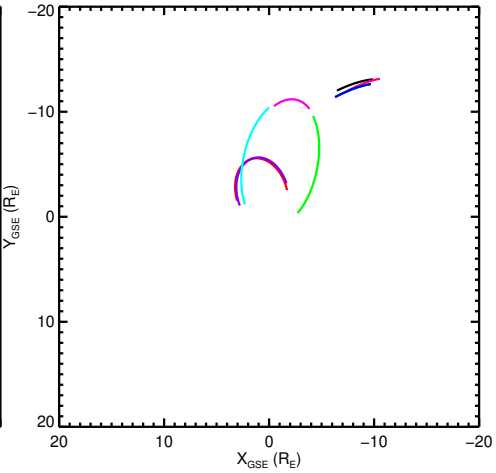


(c) 1605UT to 2240UT
ade adw cly cvw fhw hok kap ksr



tig unw

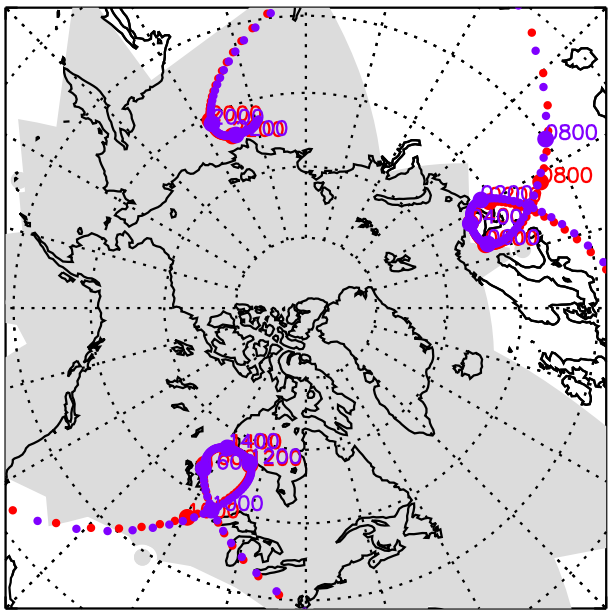


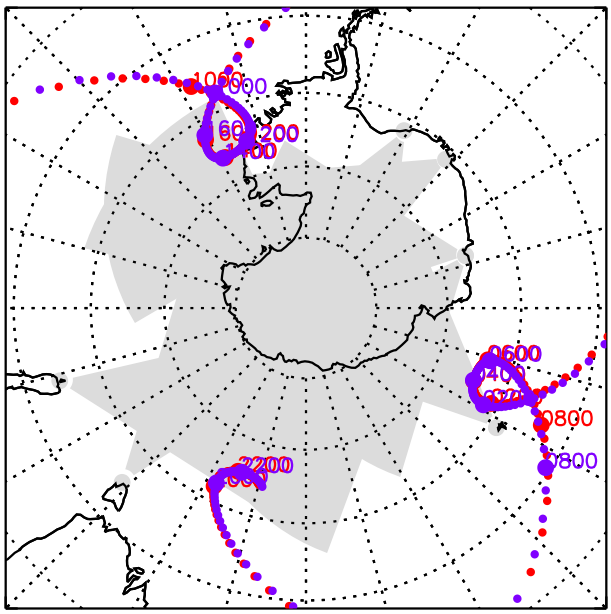


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

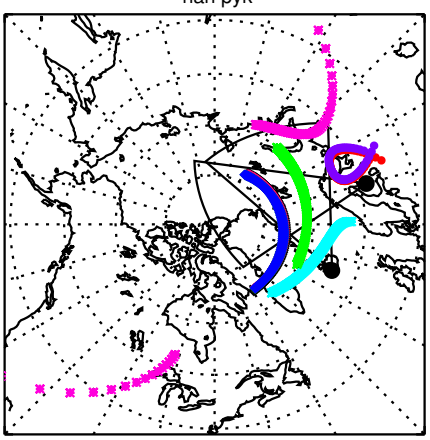
16–Jul–2014

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

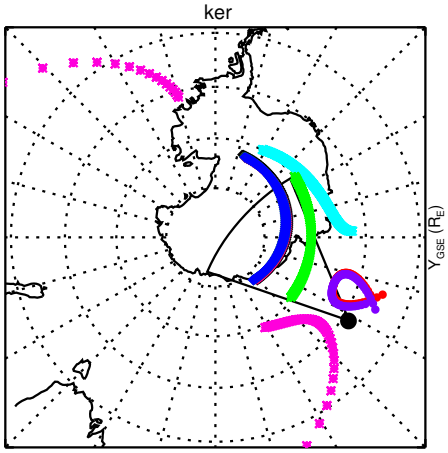


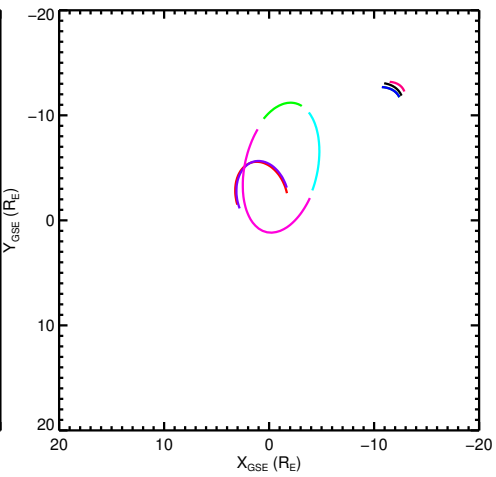


(a) 0105UT to 0740UT
han pyk

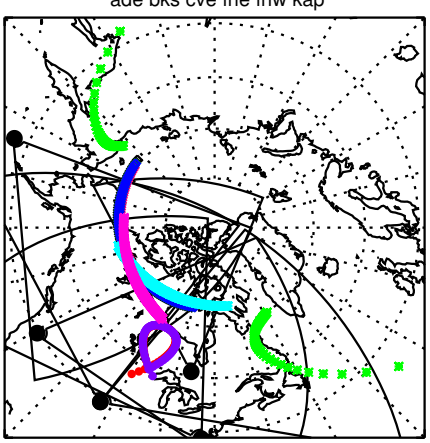


ker

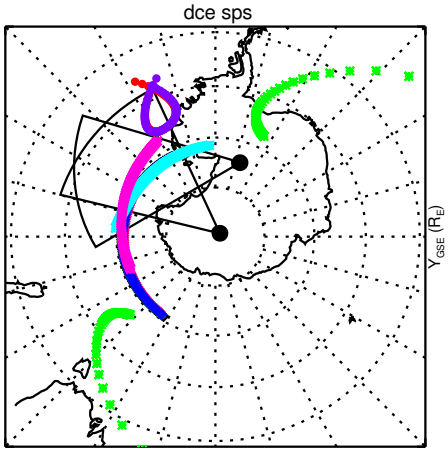


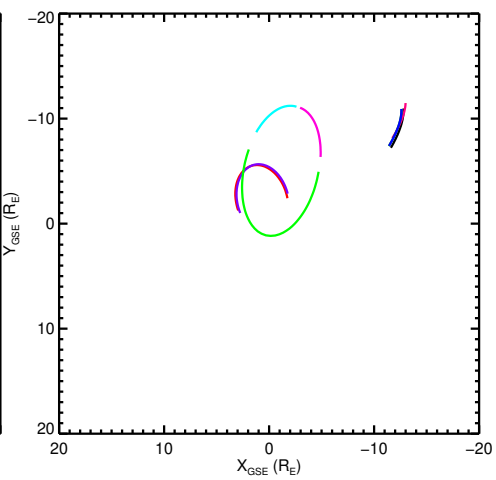


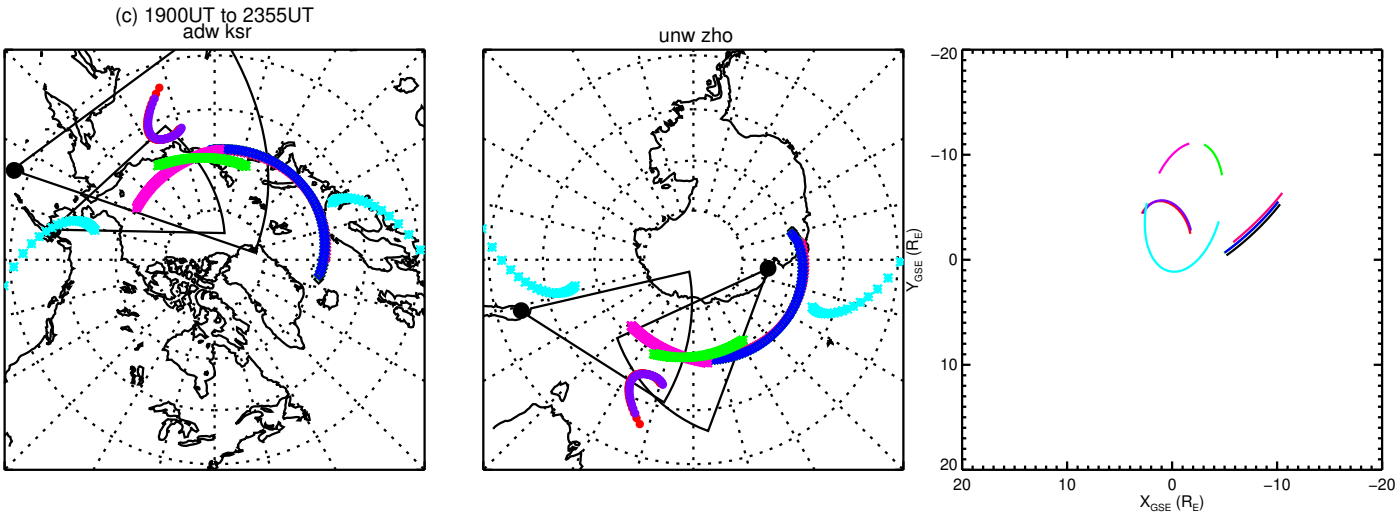
(b) 1000UT to 1645UT
ade bks cve fhe fhw kap



dce sps



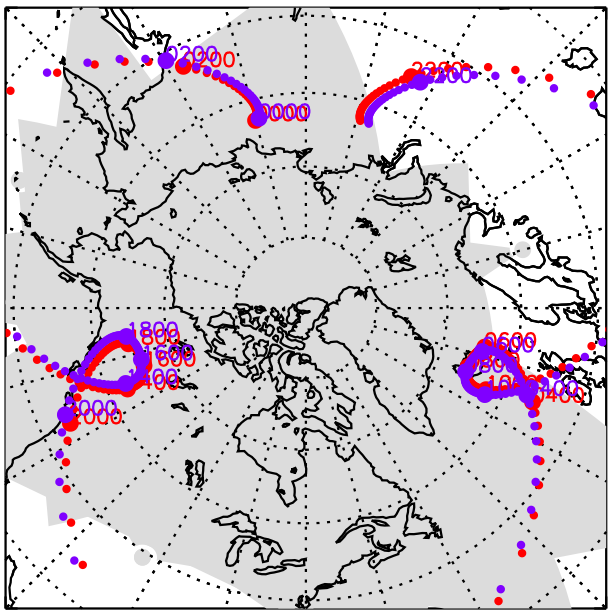


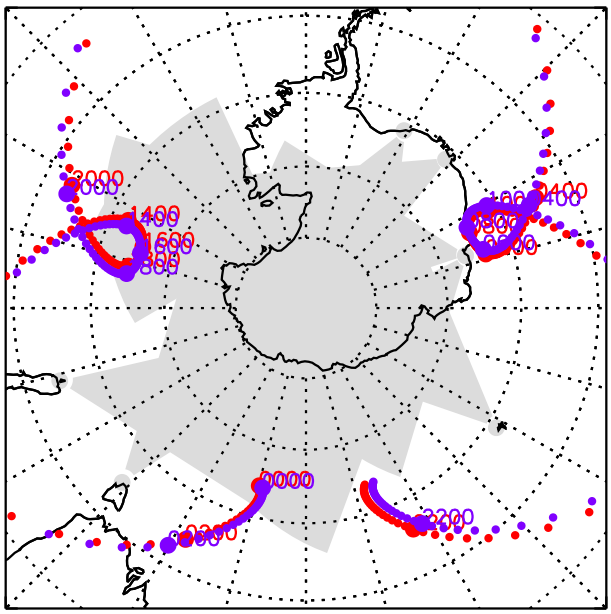

(c) 1900UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

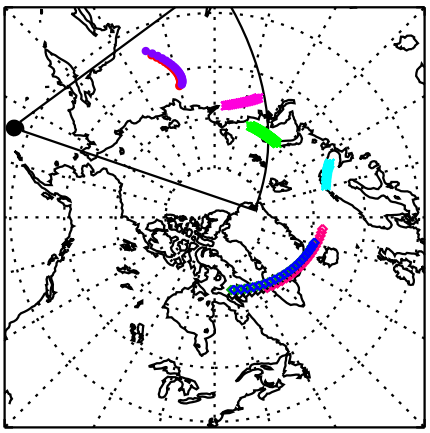
17–Jul–2014

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

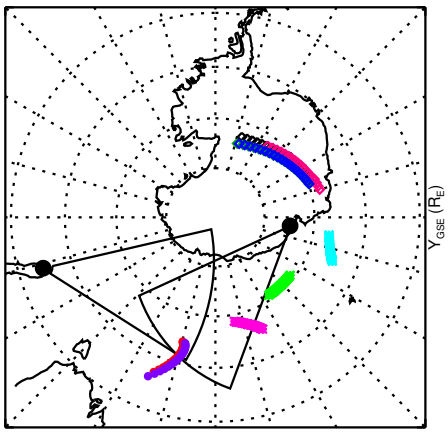


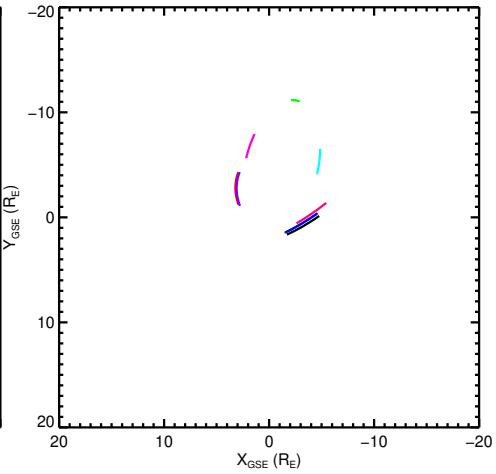


(a) 0000UT to 0145UT
adw

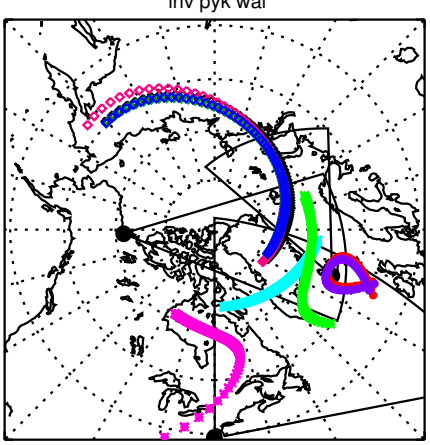


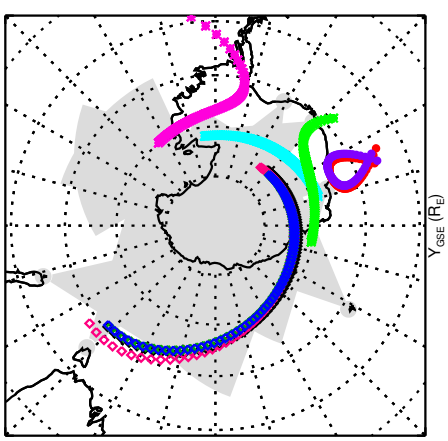
unw zho

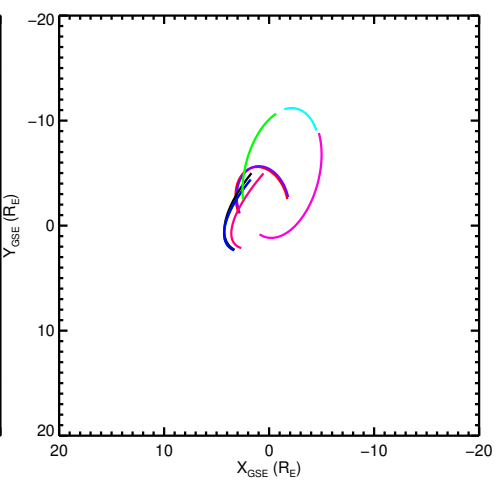




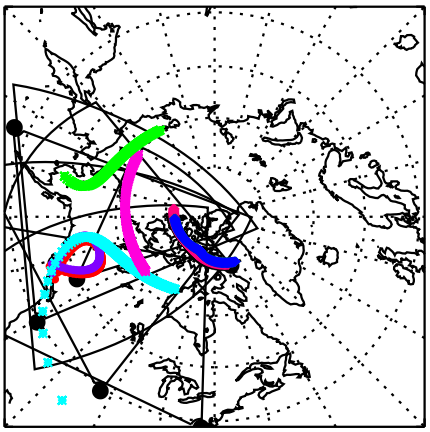
(b) 0400UT to 1045UT
inv pyk wal



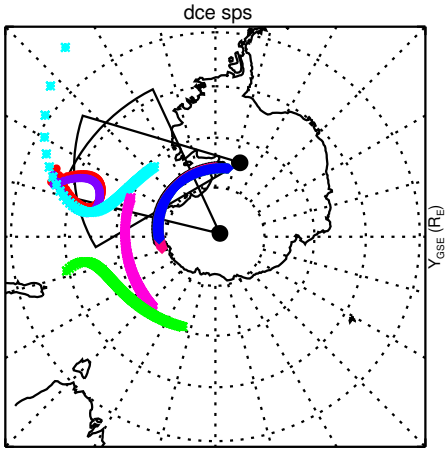


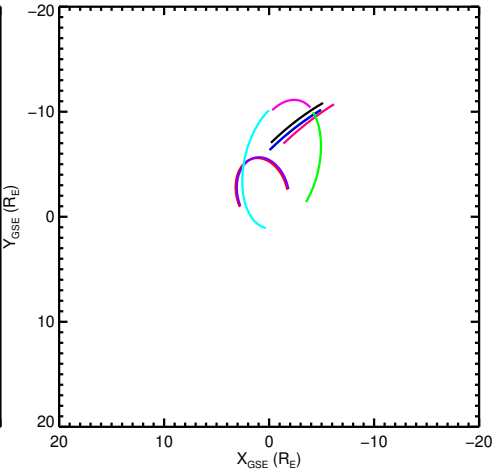


(c) 1300UT to 1950UT
ade bks cly cvw fhw pgr

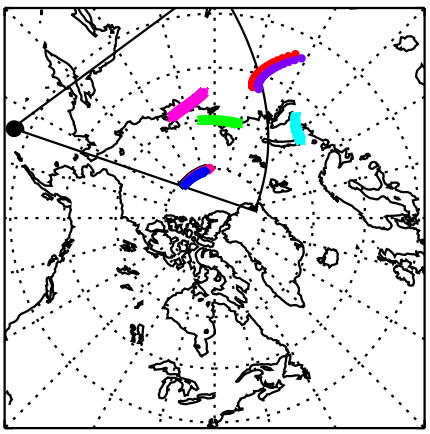


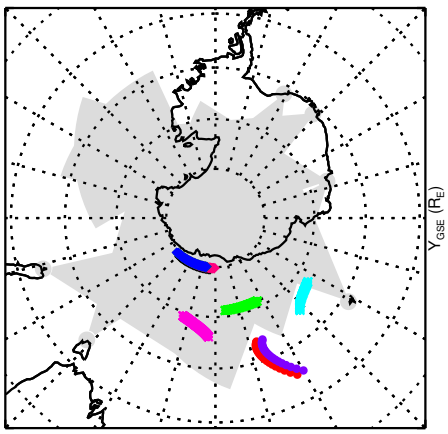
dce sps

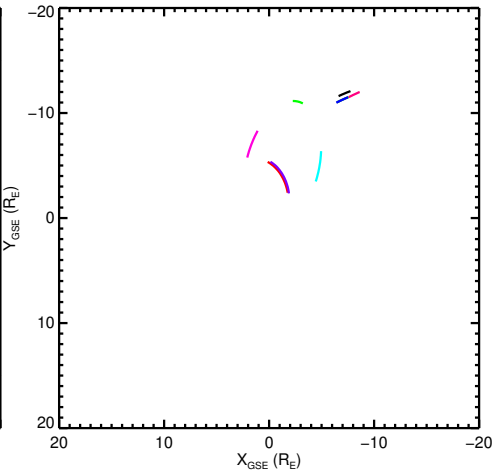




(d) 2155UT to 2355UT
adw



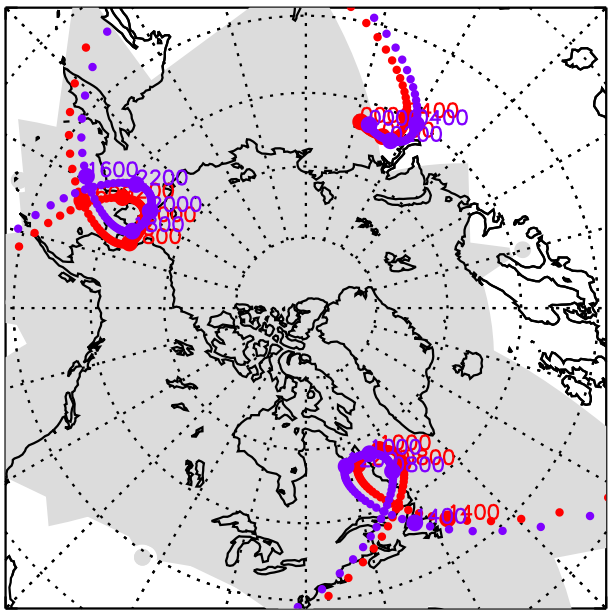


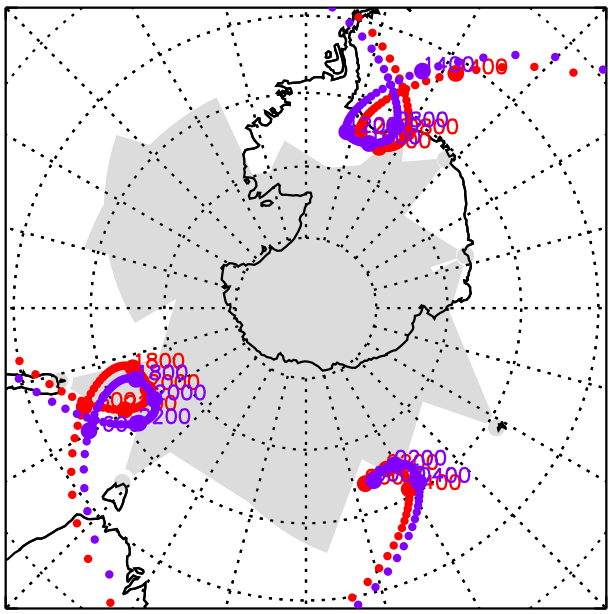


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

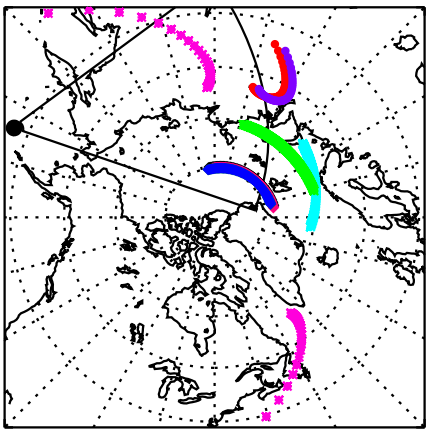
18–Jul–2014

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

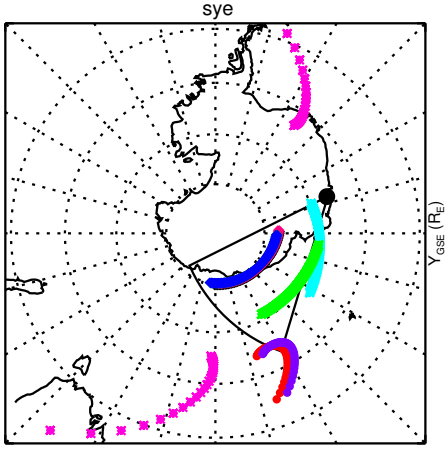


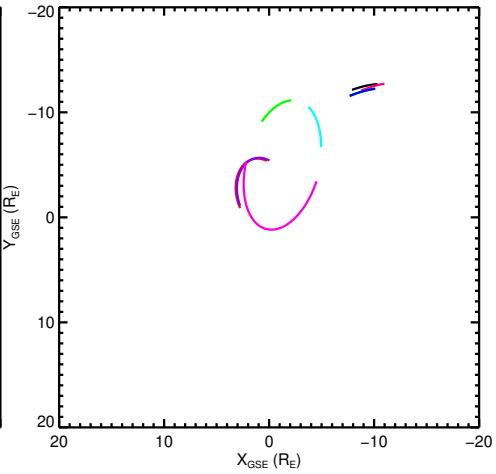


(a) 0000UT to 0450UT
adw

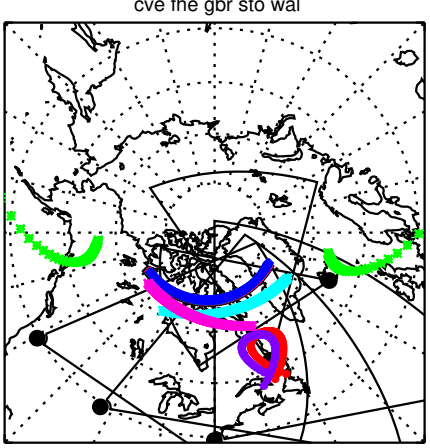


sye

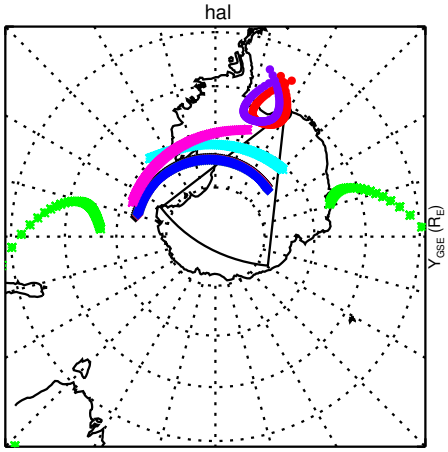


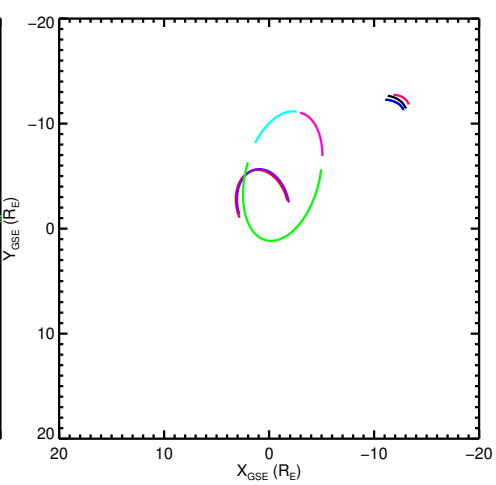


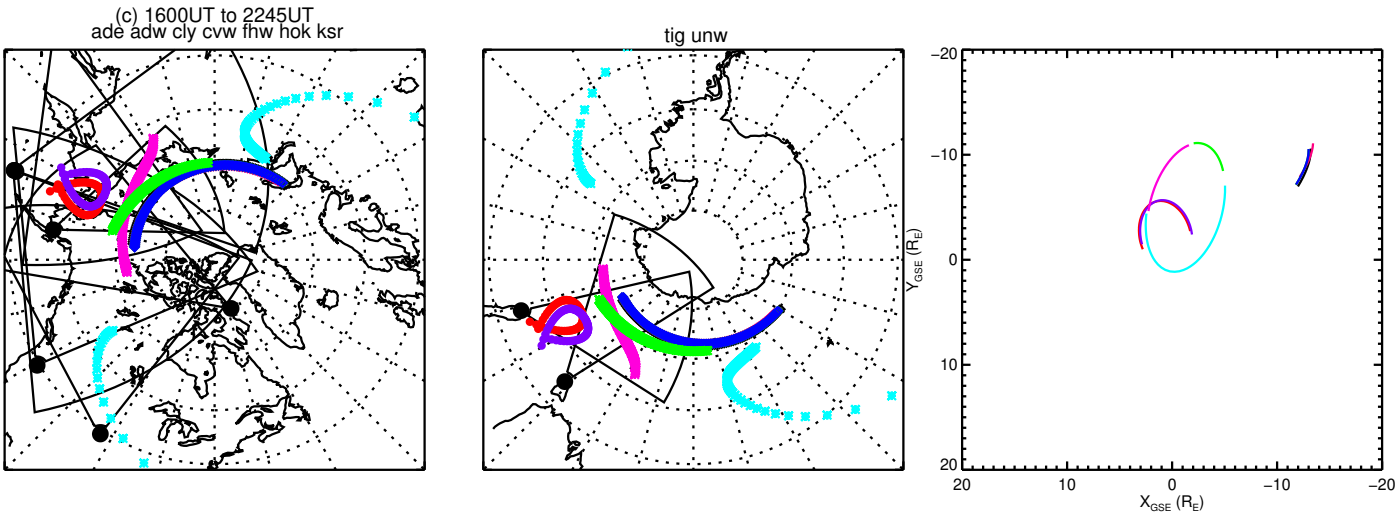
(b) 0700UT to 1345UT
cve fhe gbr sto wal



hal



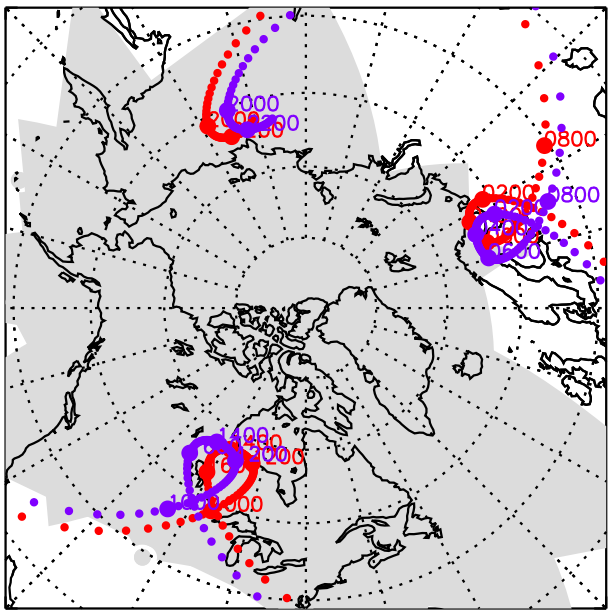


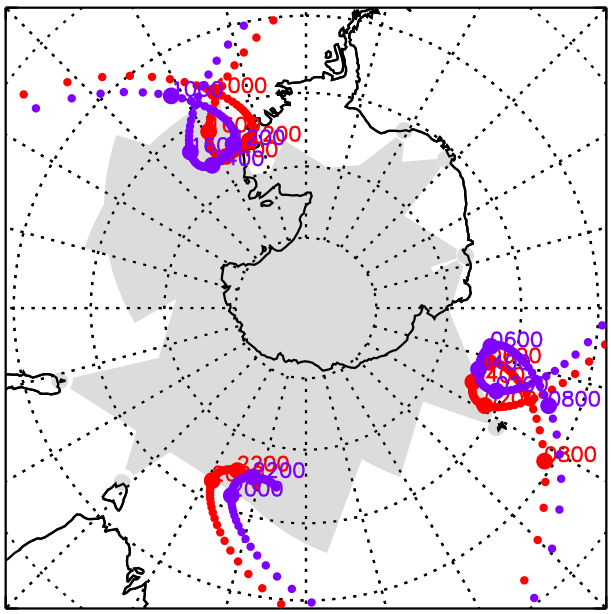

(c) 1600UT to 2245UT
ade adw cly cvw fhw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

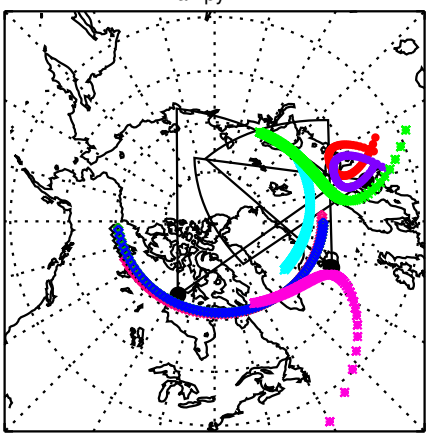
19–Jul–2014

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

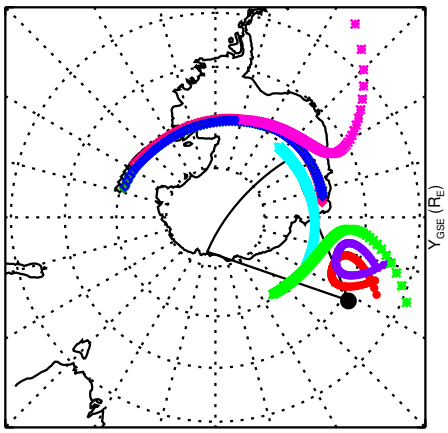


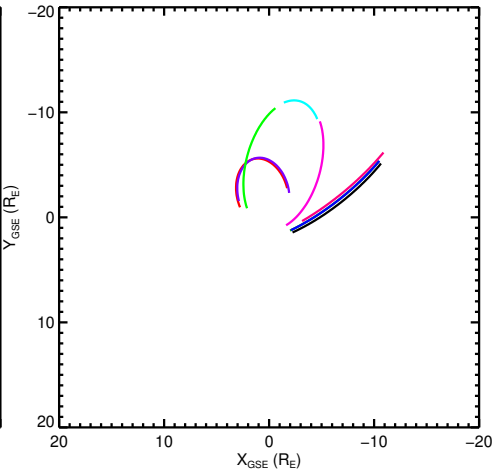


(a) 0100UT to 0745UT
han pyk rkn

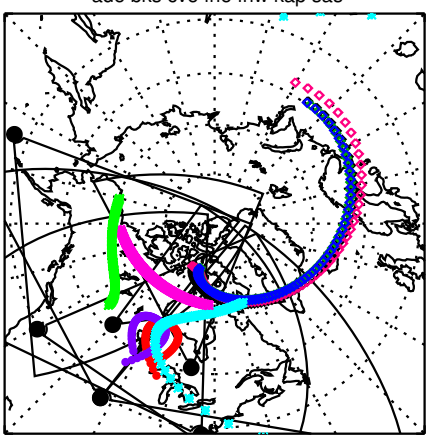


ker

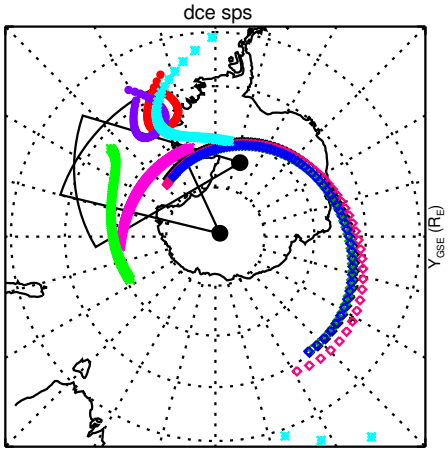


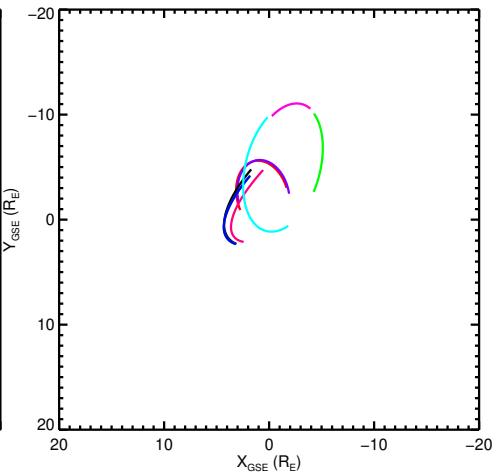


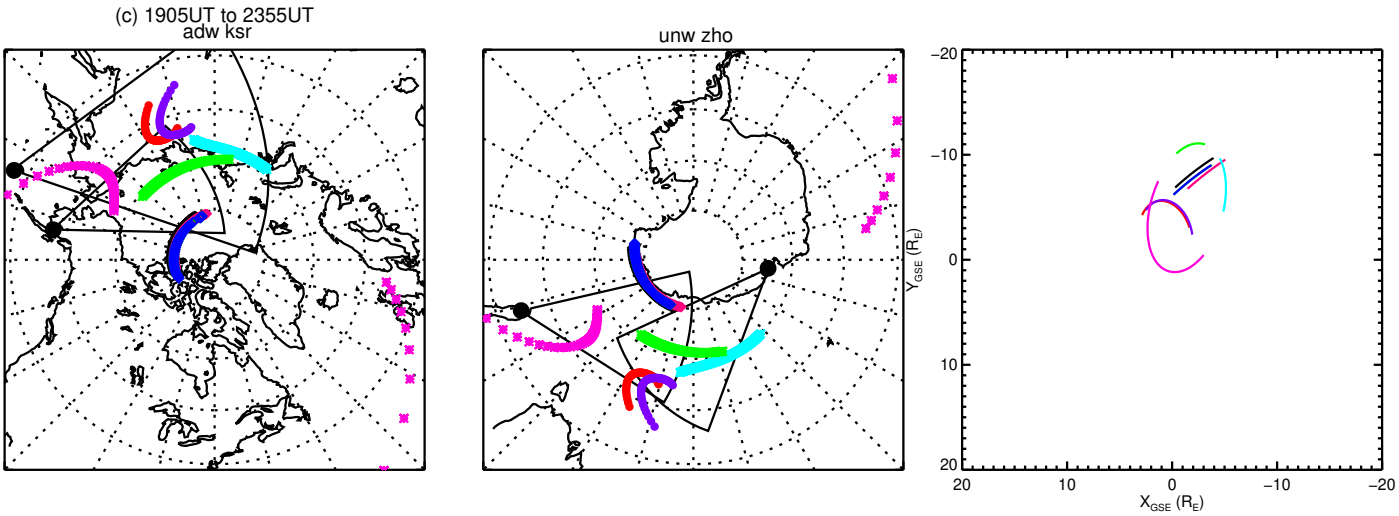
(b) 1005UT to 1645UT
ade bks cve fhe fhw kap sas



dce sps



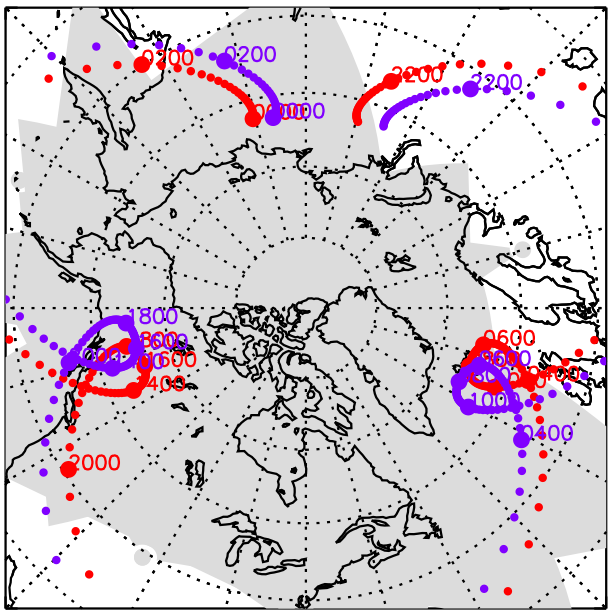


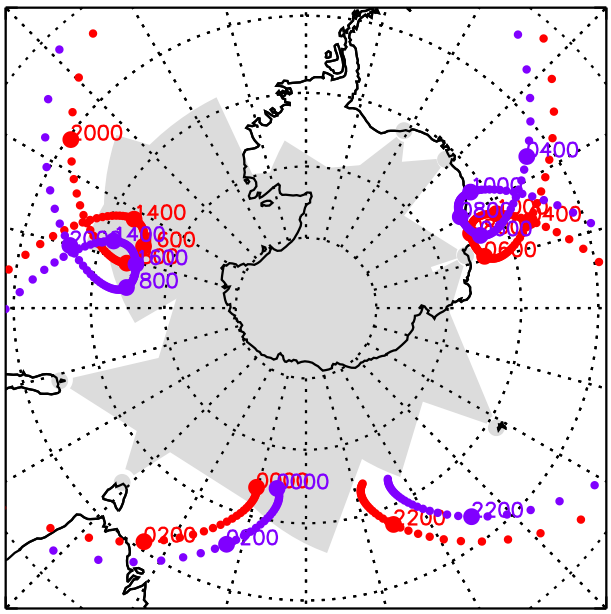

(c) 1905UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

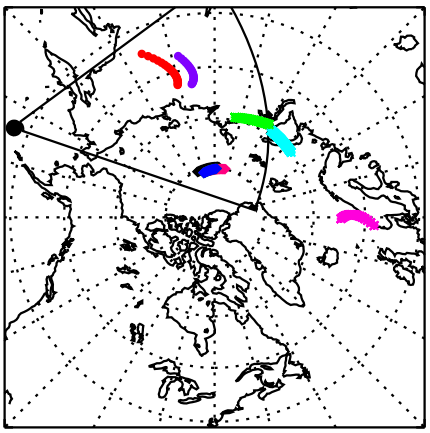
20–Jul–2014

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

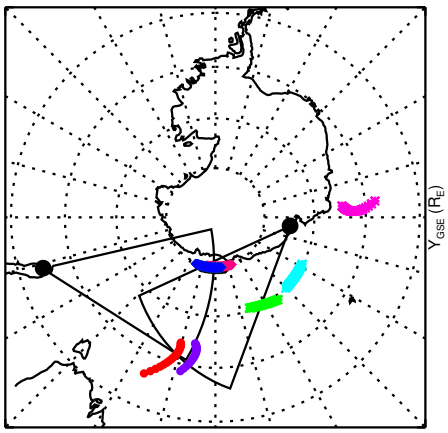


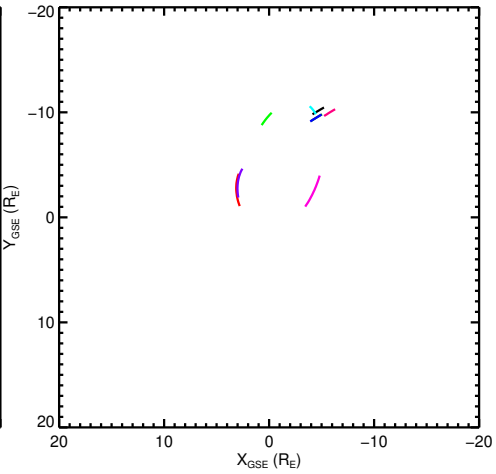


(a) 0000UT to 0140UT
adw

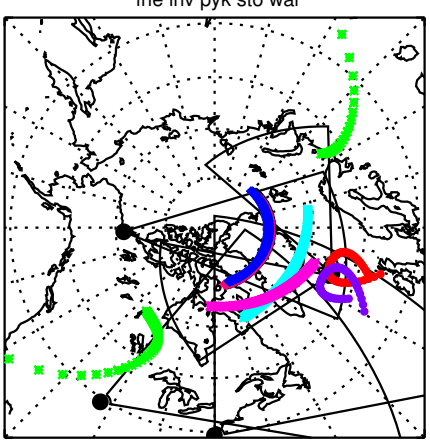


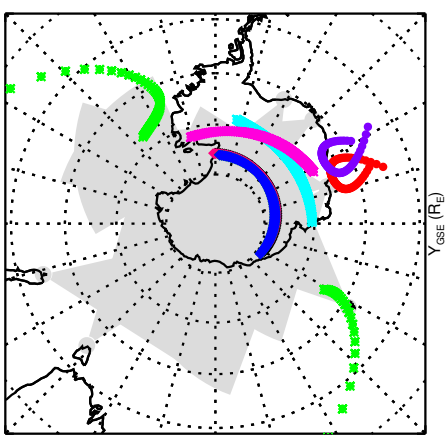
unw zho

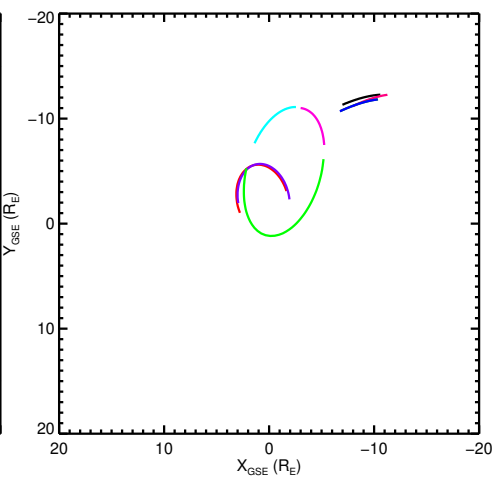




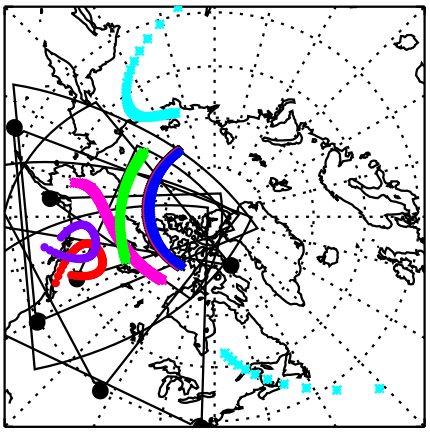
(b) 0405UT to 1040UT
fhe inv pyk sto wal



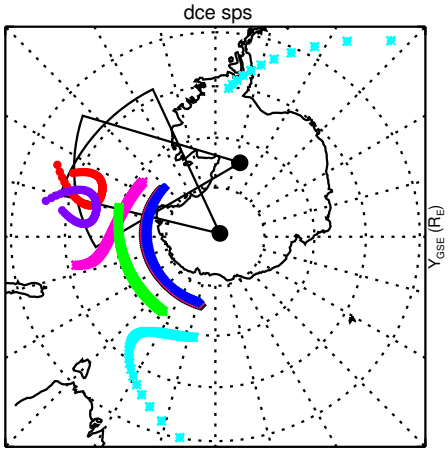


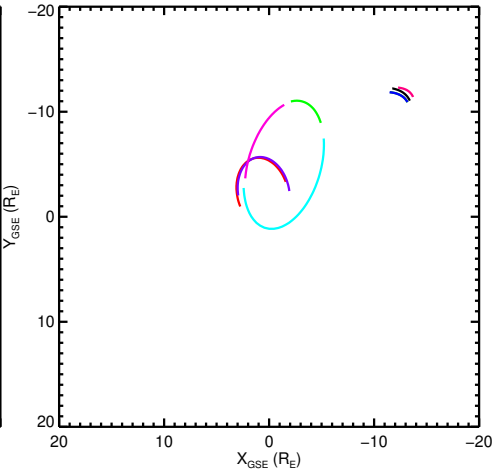


(c) 1310UT to 1940UT
ade bks cly cvw fhw kod pgr

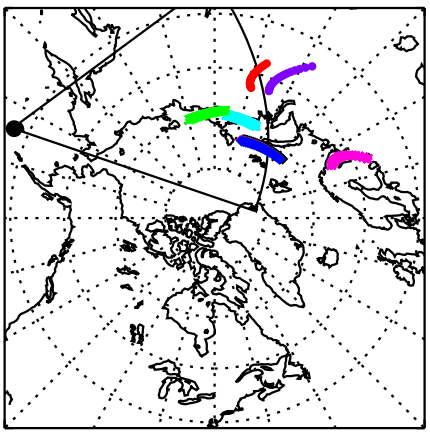


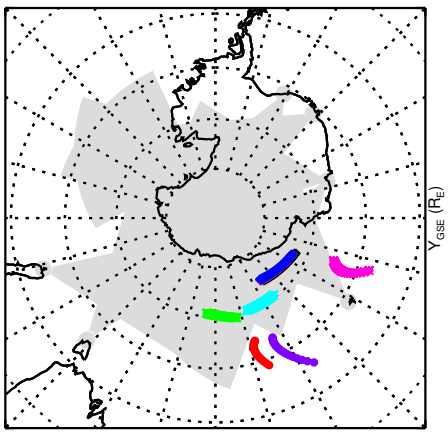
dce sps

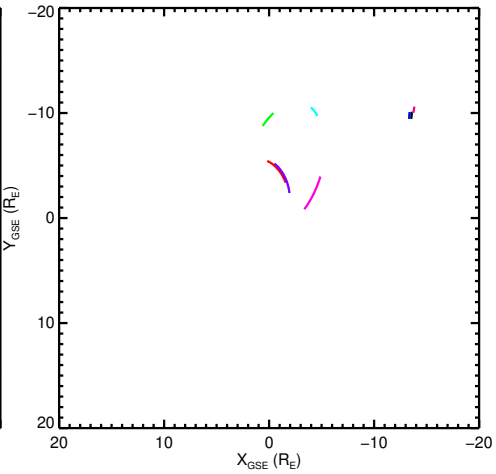




(d) 2210UT to 2355UT
adw



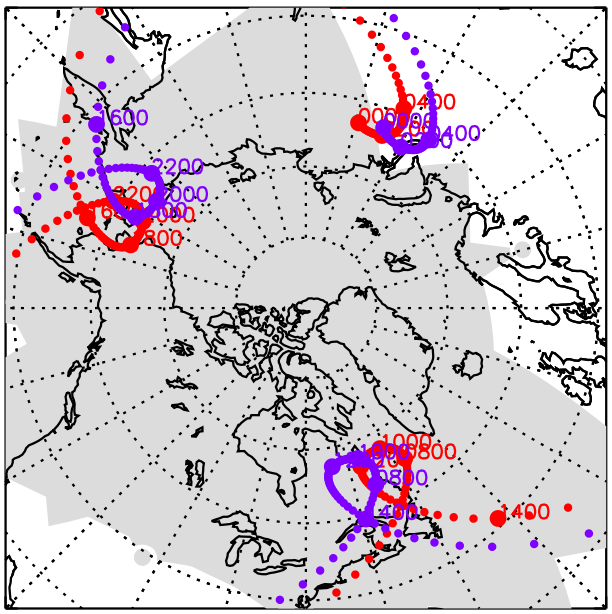


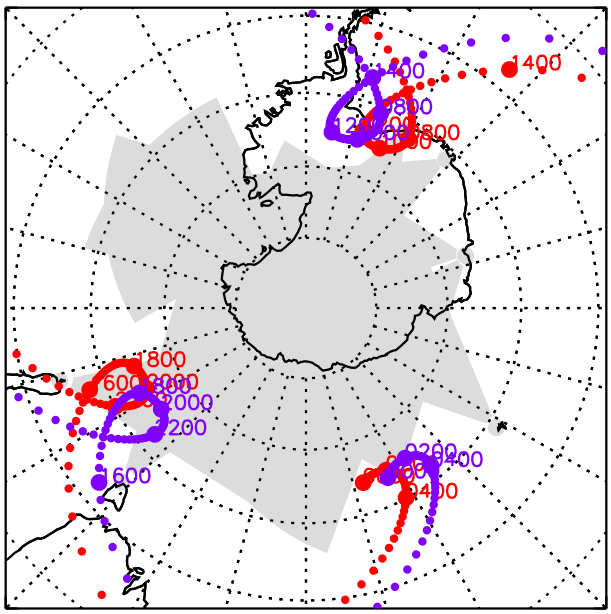


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

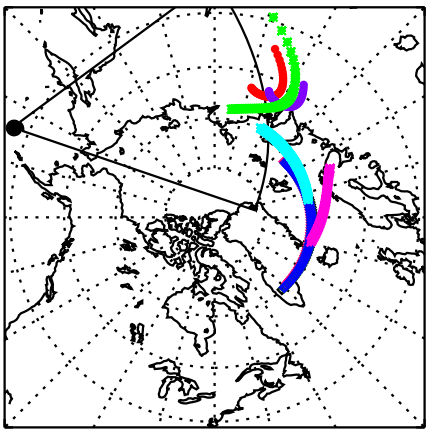
21–Jul–2014

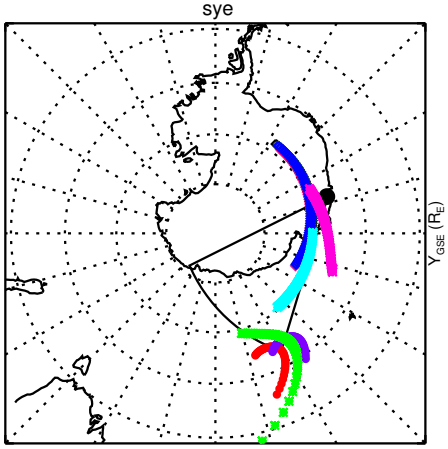
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

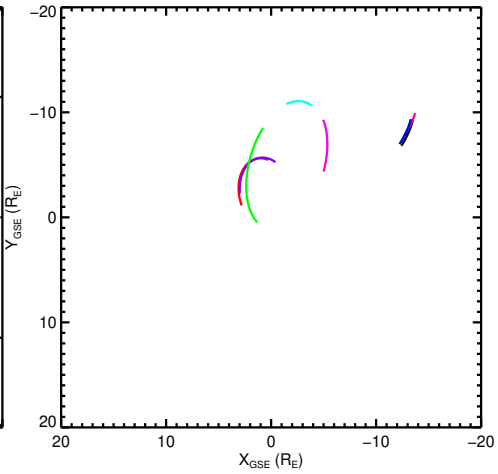




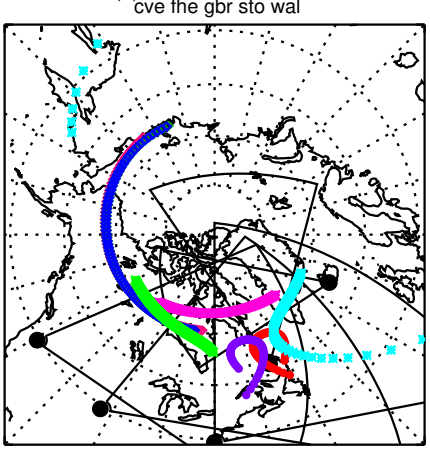
(a) 0000UT to 0435UT

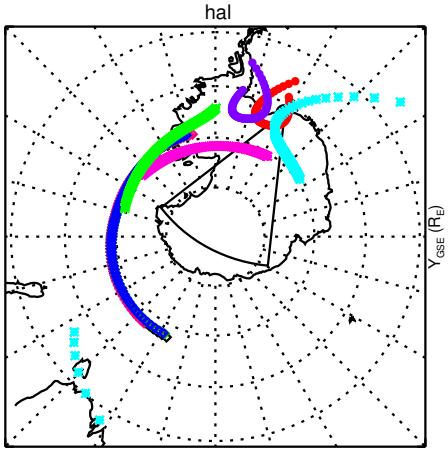


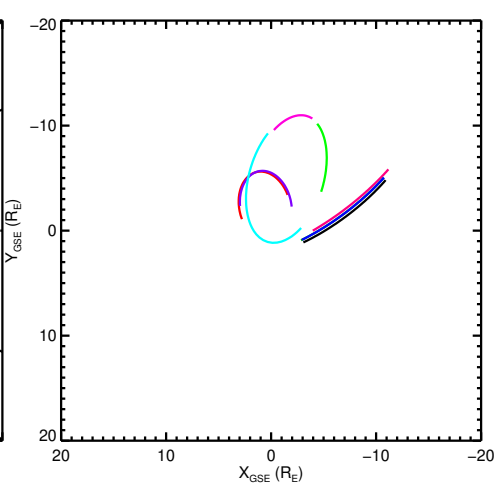




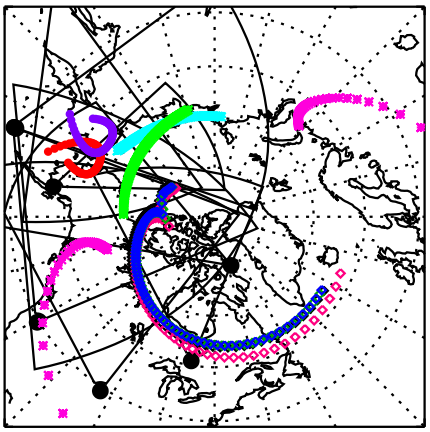
(b) 0710UT to 1335UT



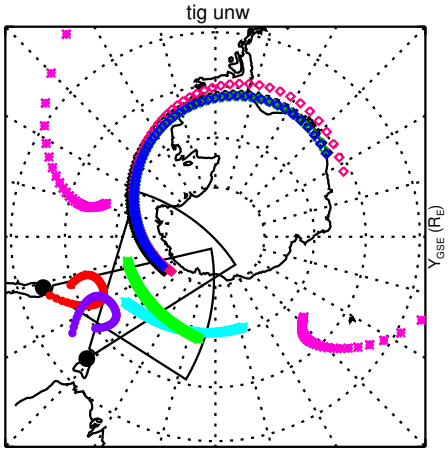


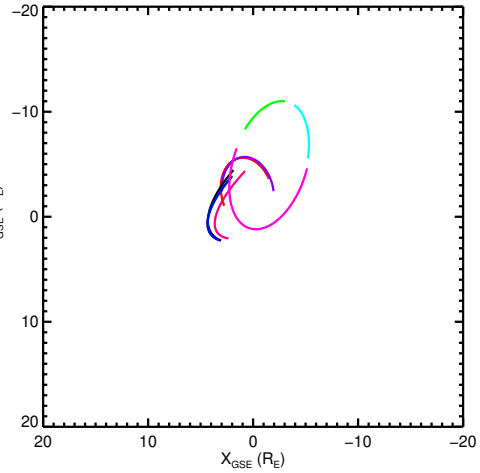


(c) 1615UT to 2235UT
ade adw cly cvw fhw hok kap ksr



tig unw

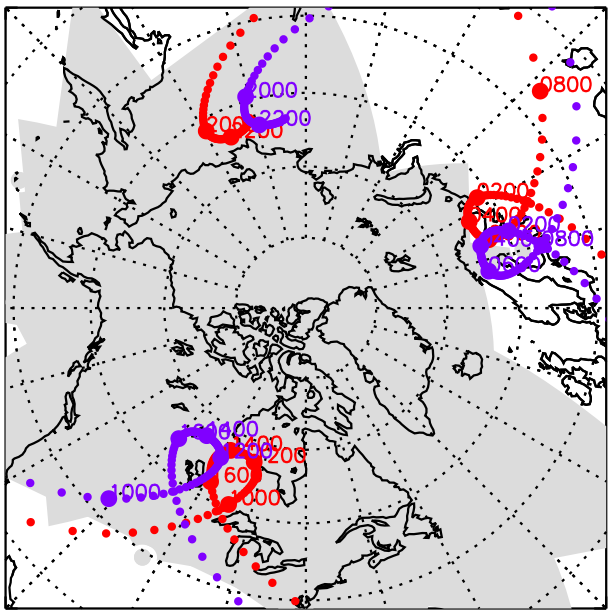


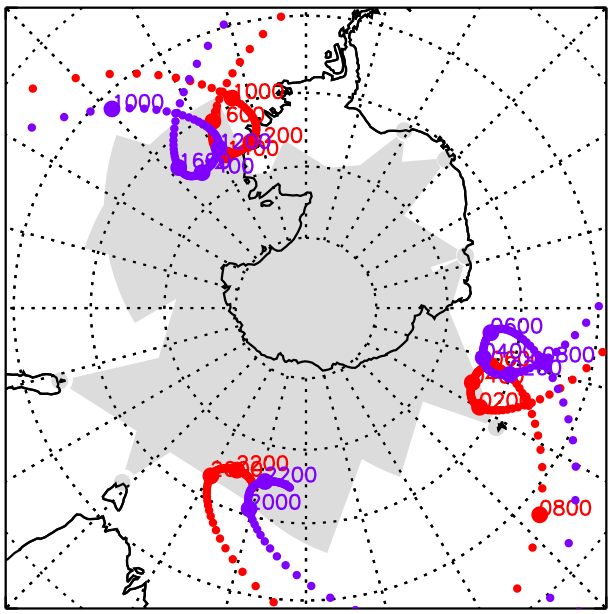


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

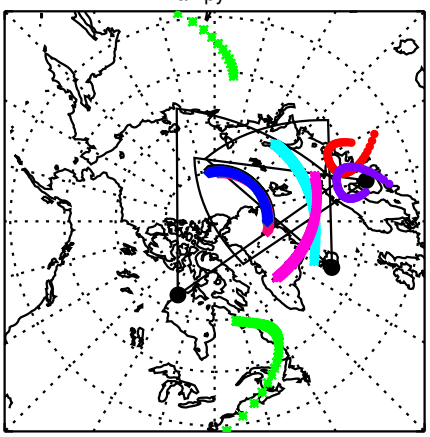
22–Jul–2014

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

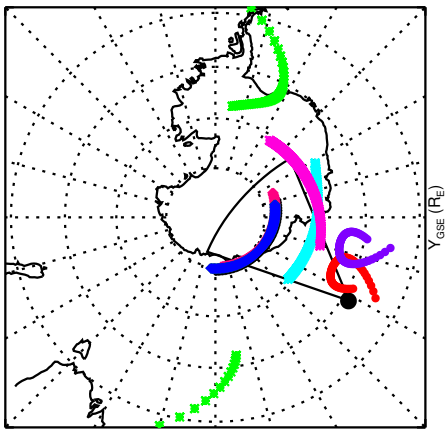


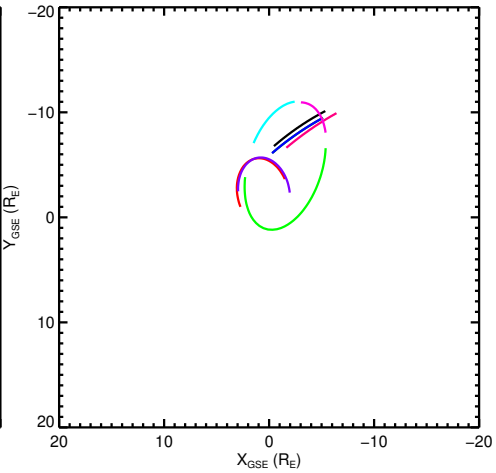


(a) 0115UT to 0735UT
han pyk rkn

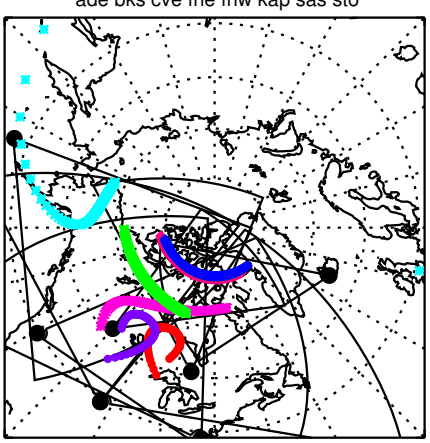


ker

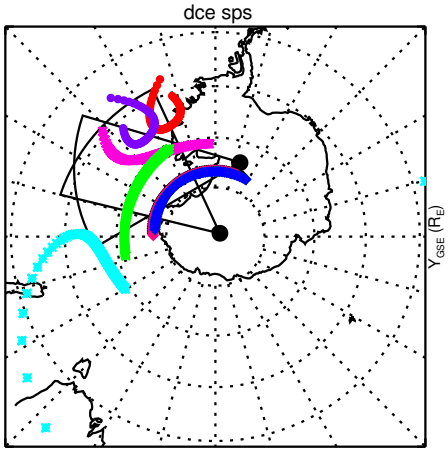


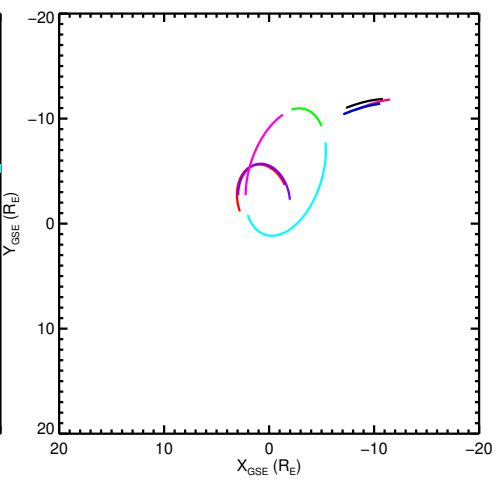


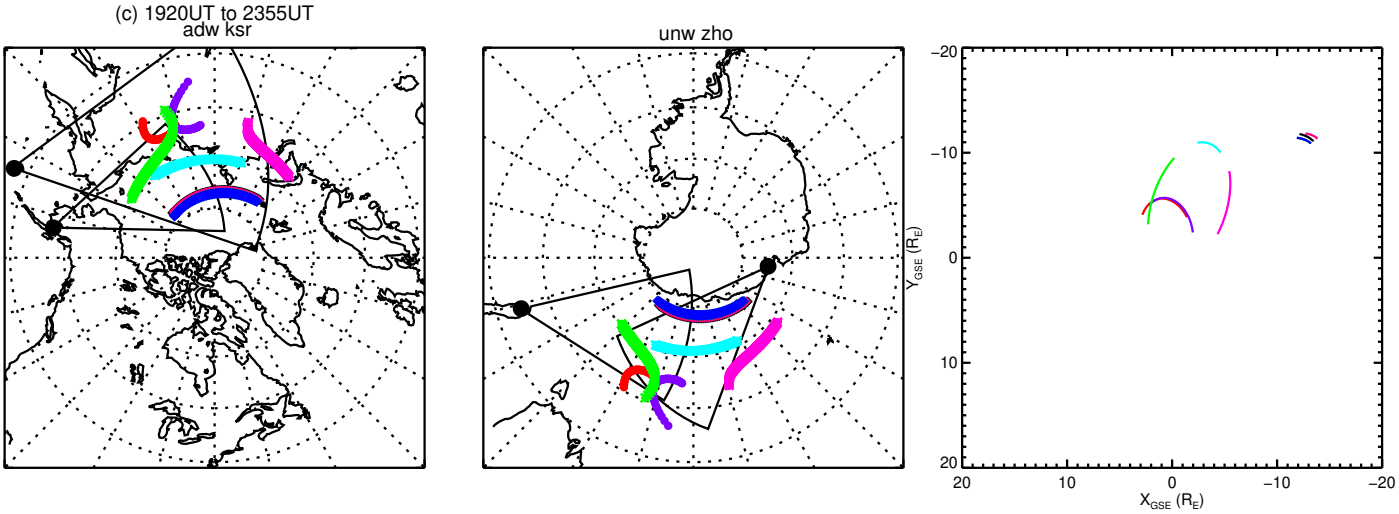
(b) 1015UT to 1630UT
ade bks cve fhe fhw kap sas sto



dce sps



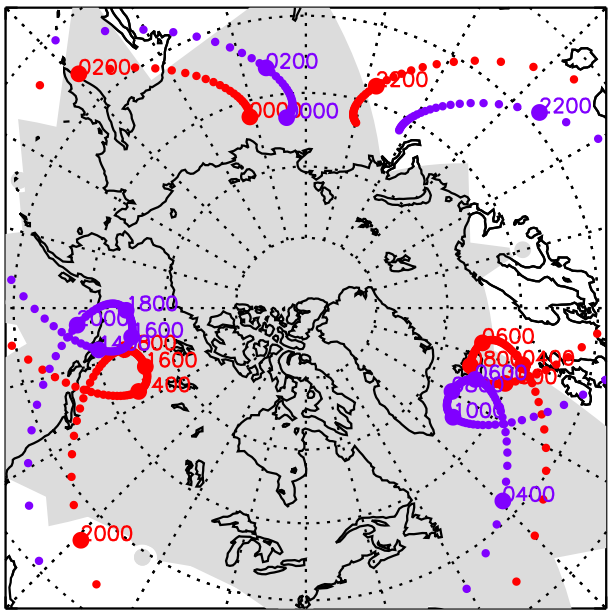


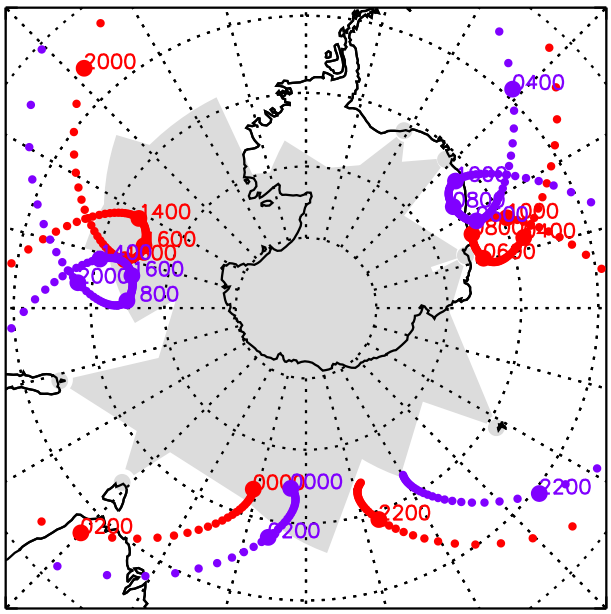

(c) 1920UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

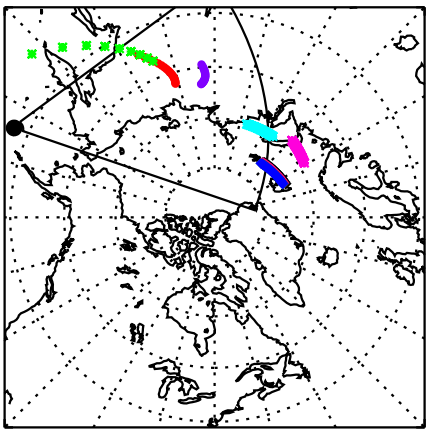
23–Jul–2014

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

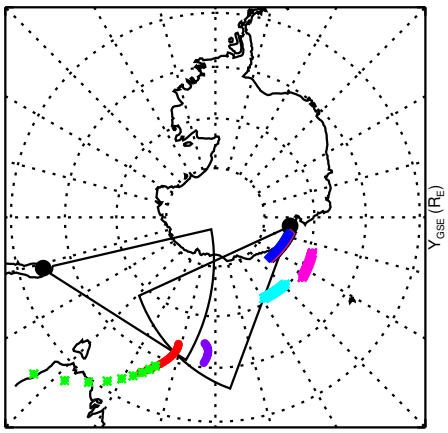


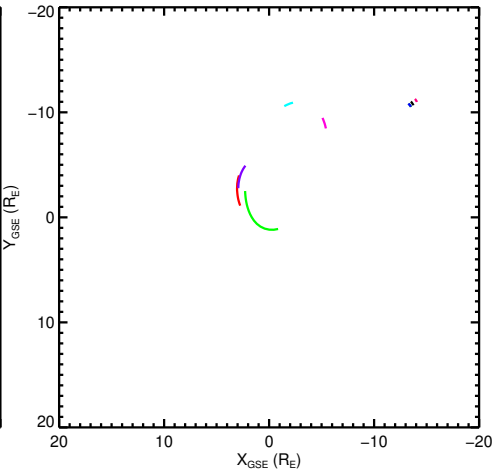


(a) 0000UT to 0130UT
adw

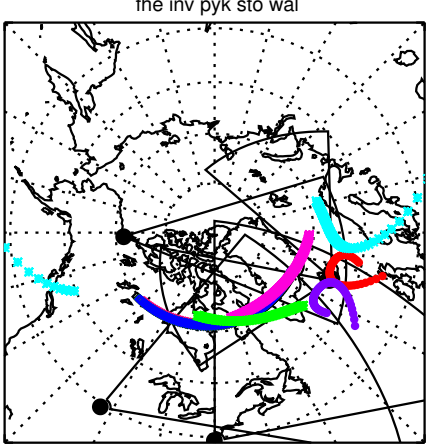


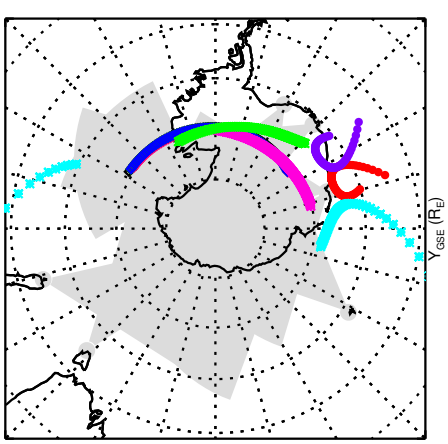
unw zho

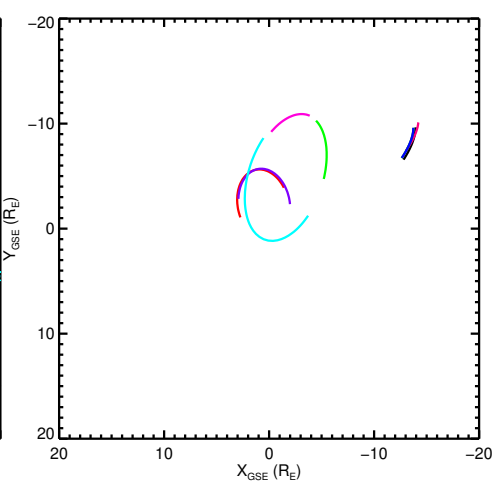




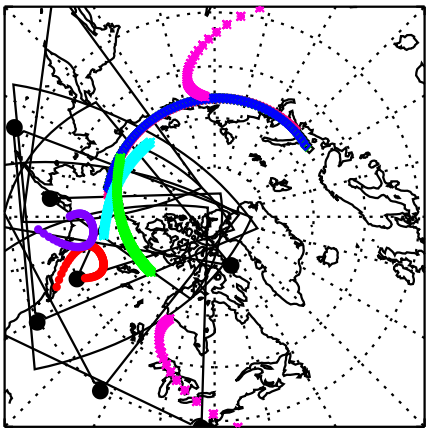
(b) 0420UT to 1030UT
fhe inv pyk sto wal



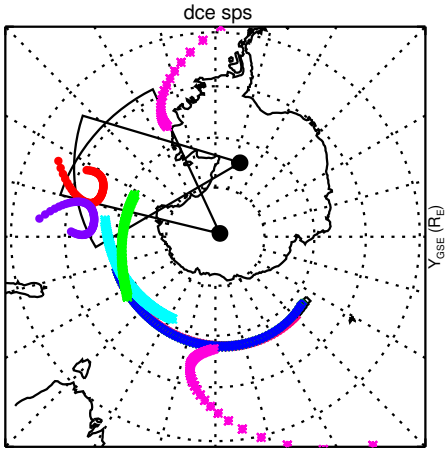


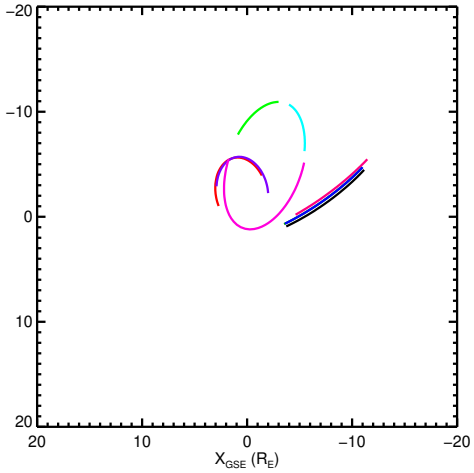


(c) 1320UT to 1930UT
ade bks cly cvw fhw hok kod pgr

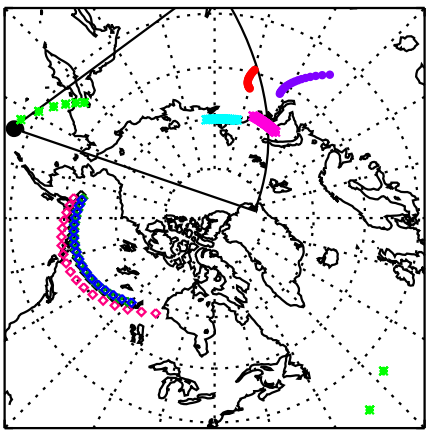


dce sps

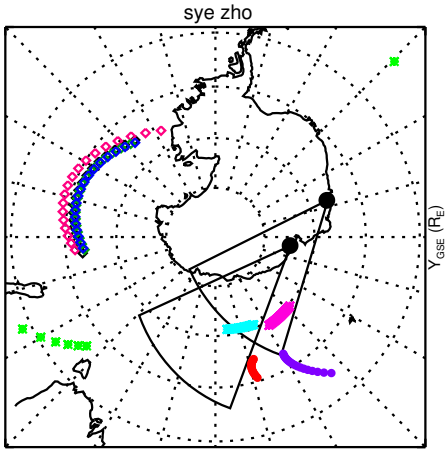


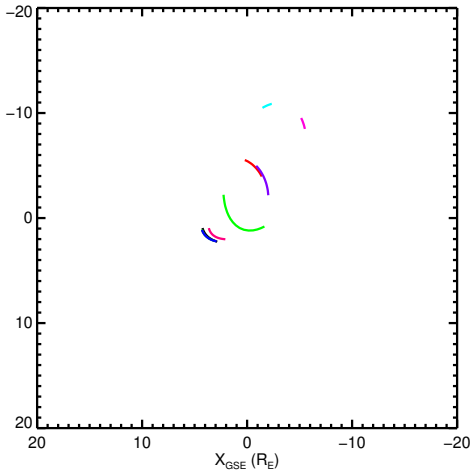


(d) 2220UT to 2355UT
adw



sye zho

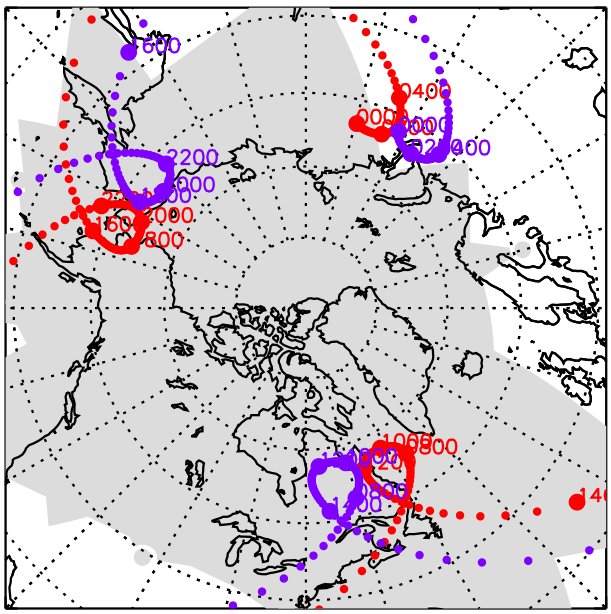


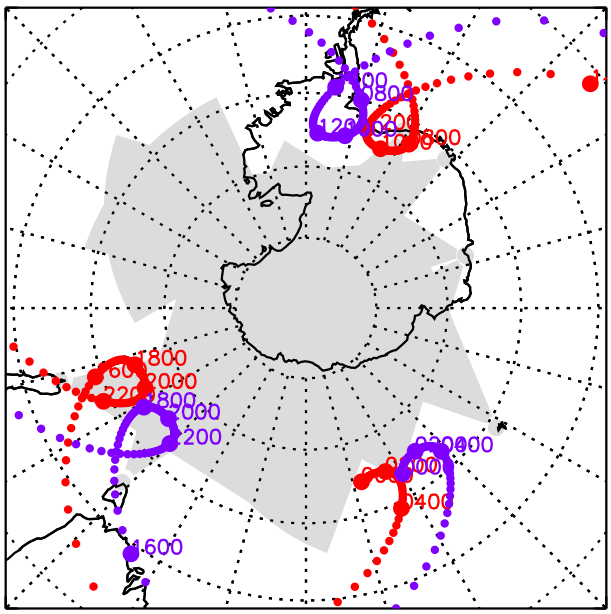


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

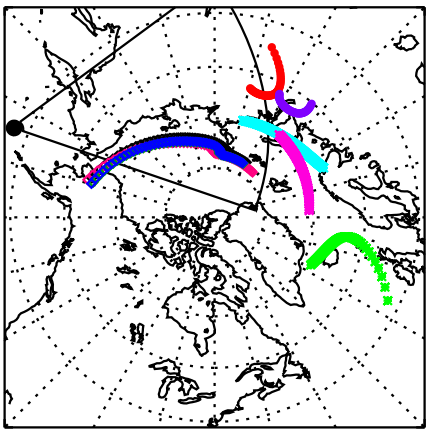
24–Jul–2014

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

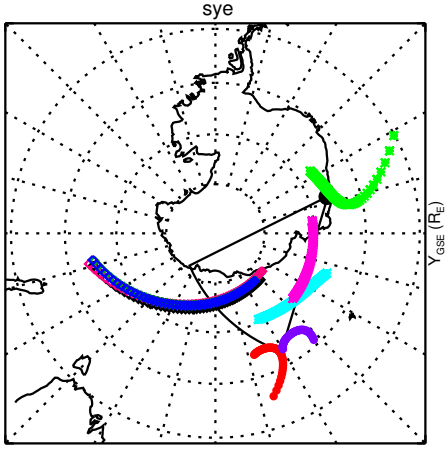


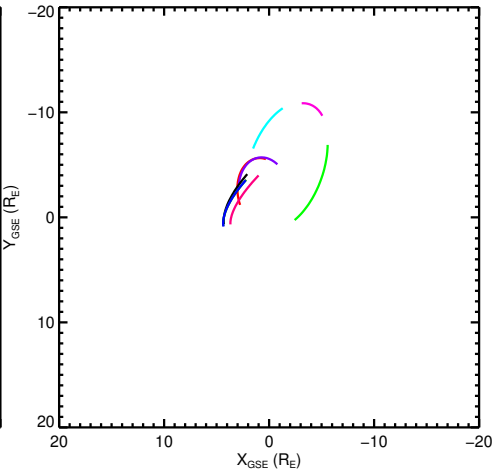


(a) 0000UT to 0425UT
adw

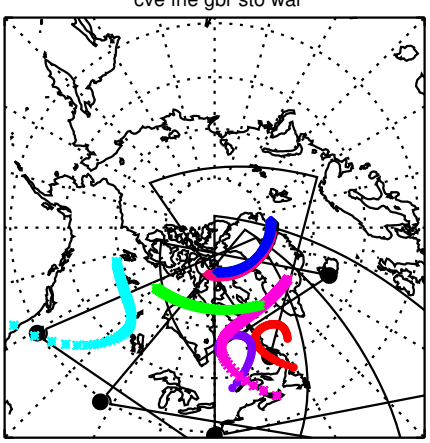


sye

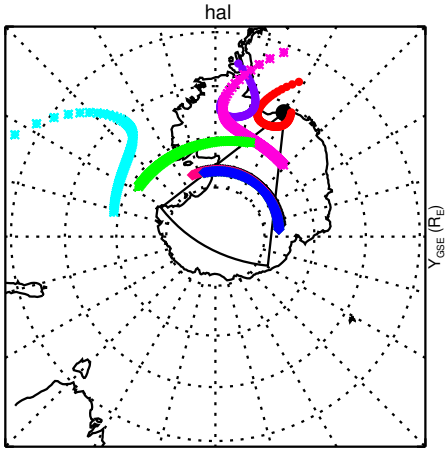


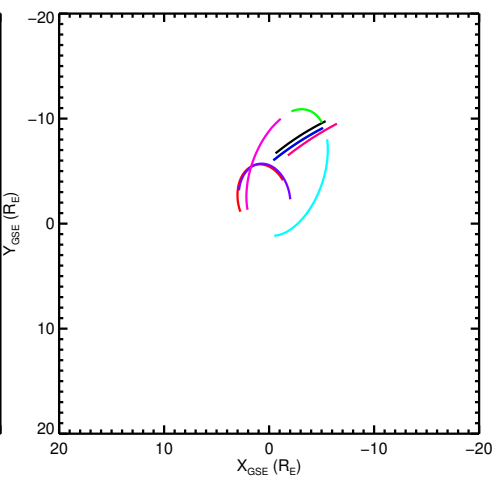


(b) 0725UT to 1325UT
cve fhe gbr sto wal

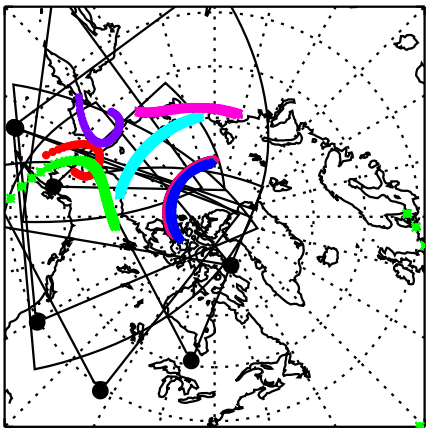


hal

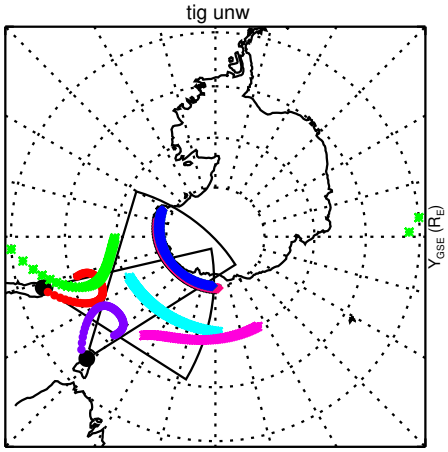


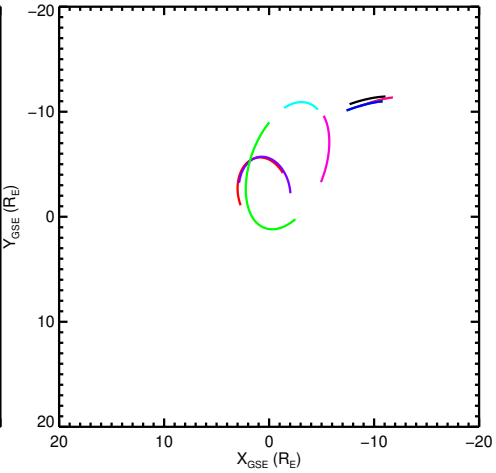


(c) 1625UT to 2225UT
ade adw cly cvw fhw hok kap ksr



tig unw

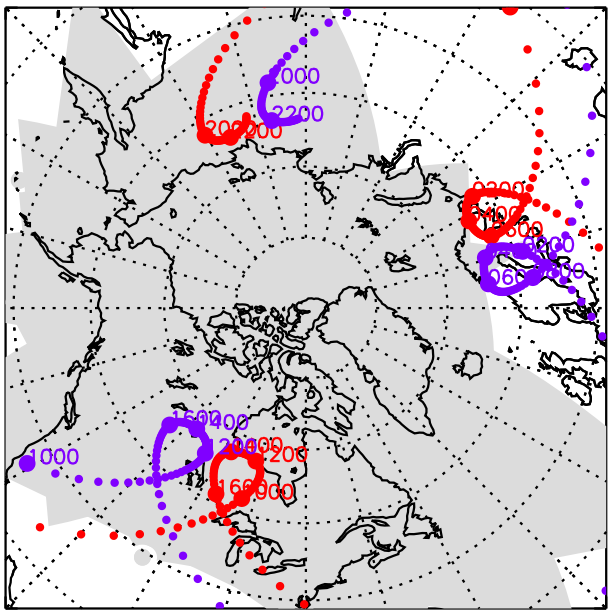


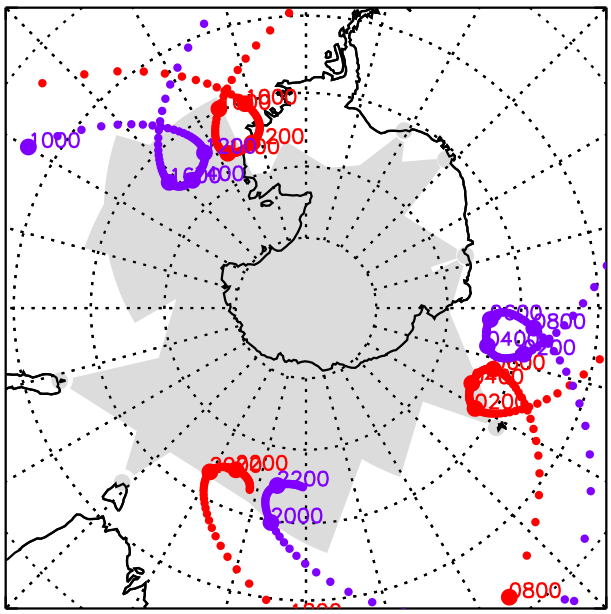


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

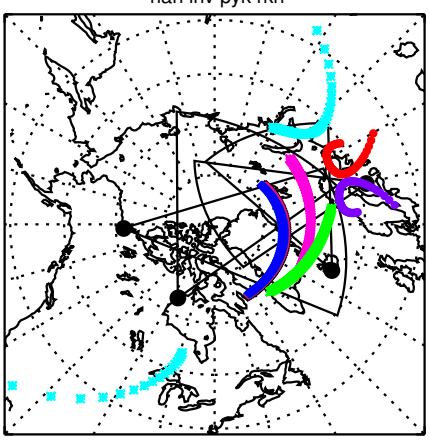
25–Jul–2014

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

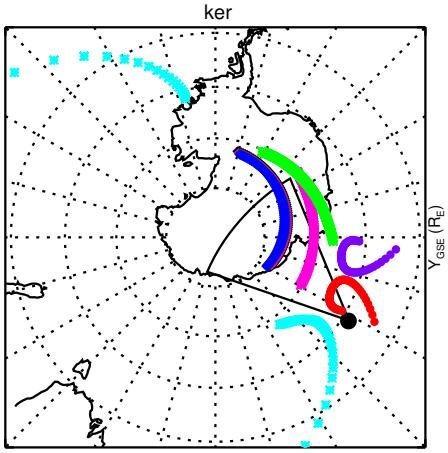


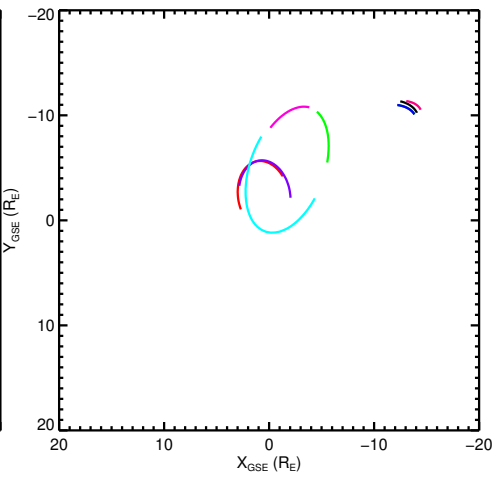


(a) 0125UT to 0725UT
han inv pyk rkn

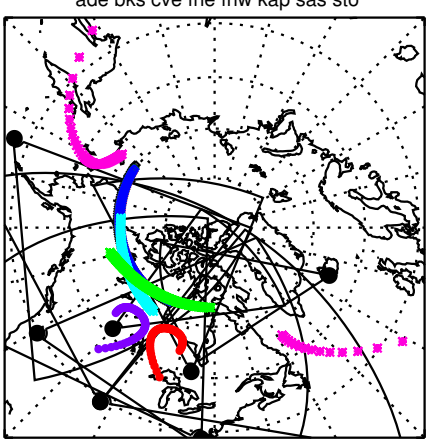


ker

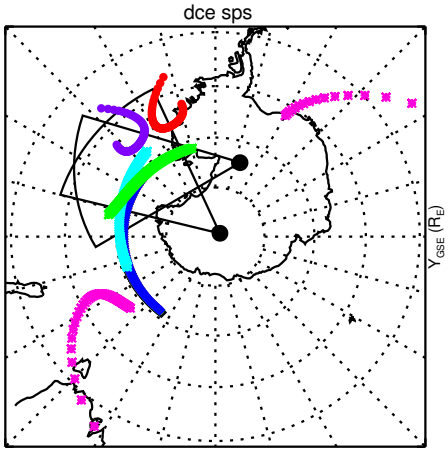


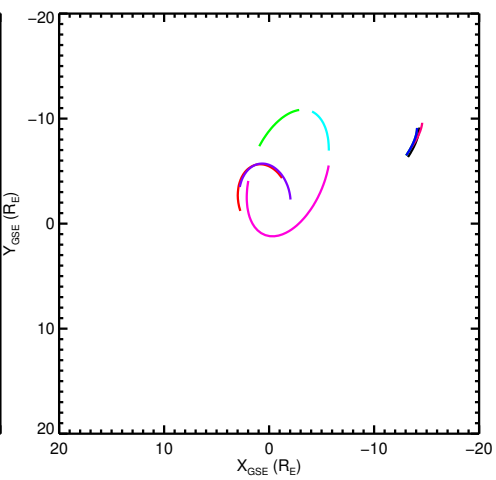


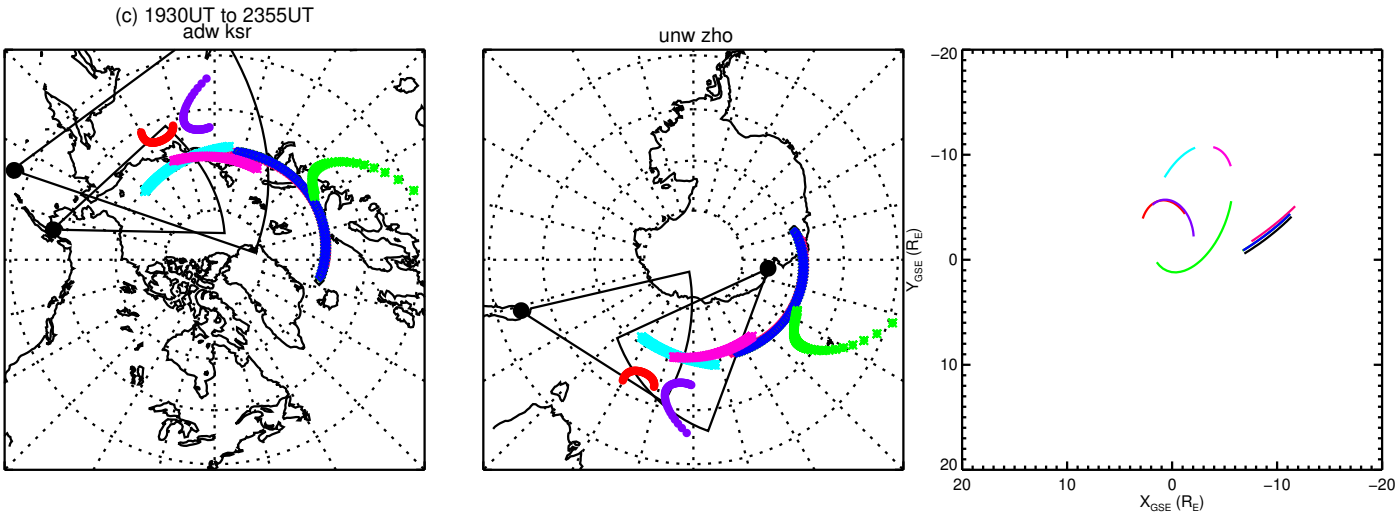
(b) 1030UT to 1620UT
ade bks cve fhe fhw kap sas sto



dce sps



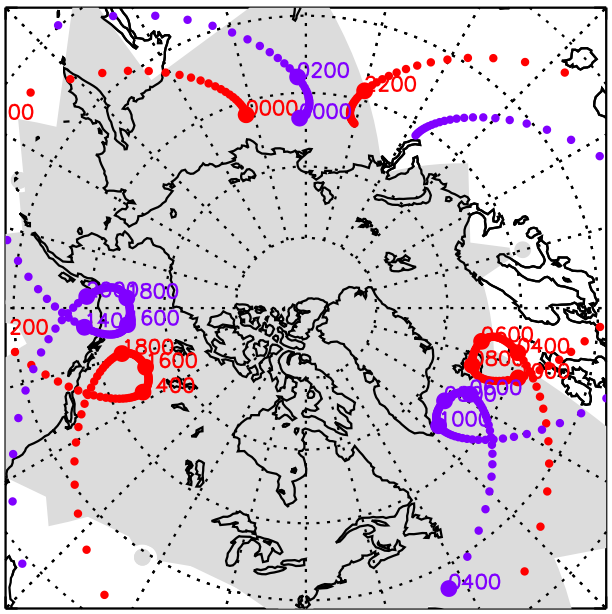


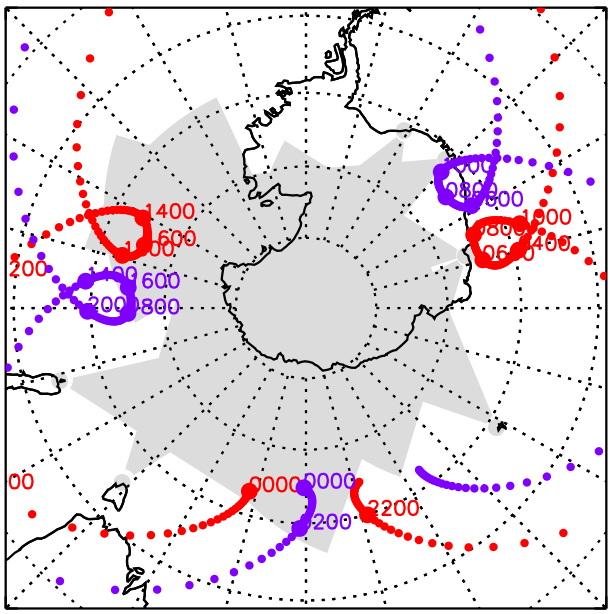

(c) 1930UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

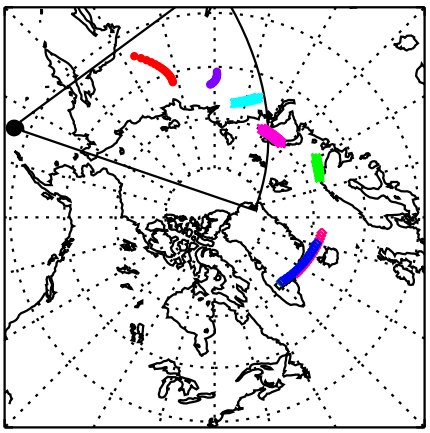
26–Jul–2014

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

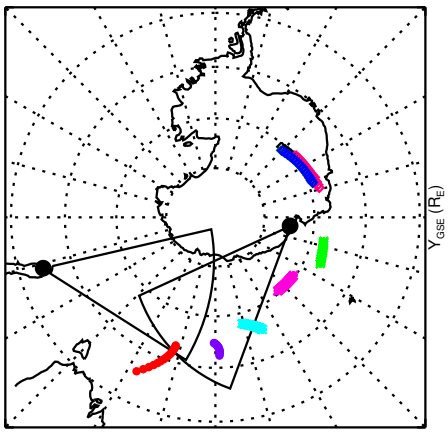


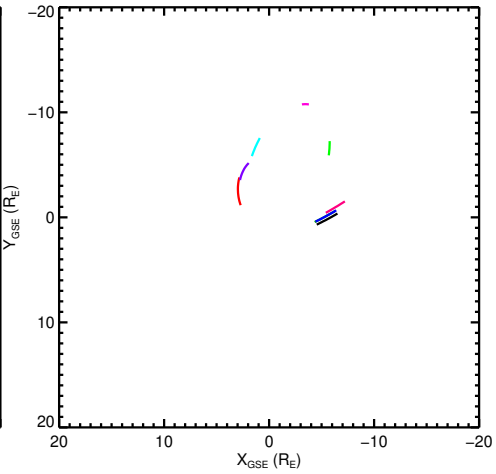


(a) 0000UT to 0120UT
adw

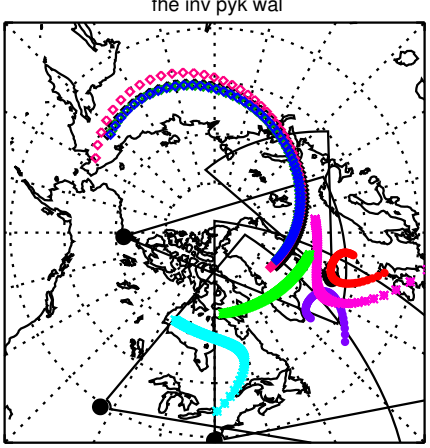


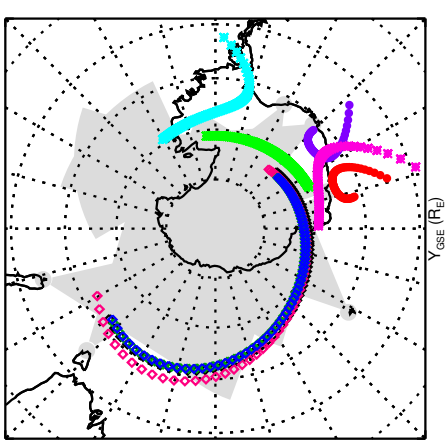
unw zho

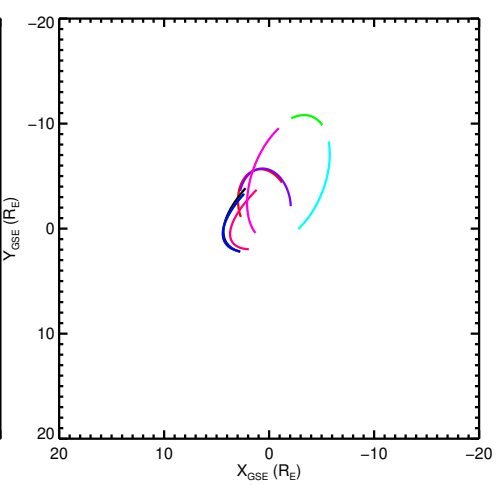




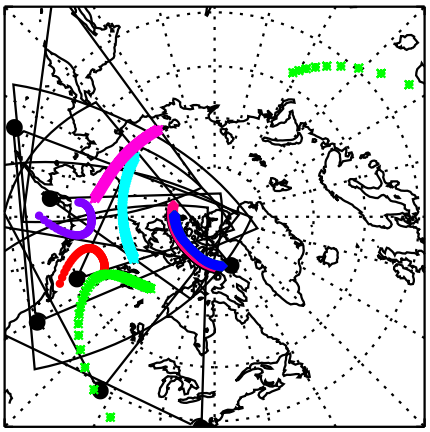
(b) 0430UT to 1020UT
fhe inv pyk wal



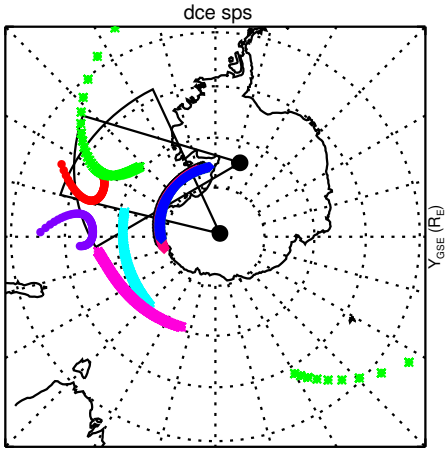


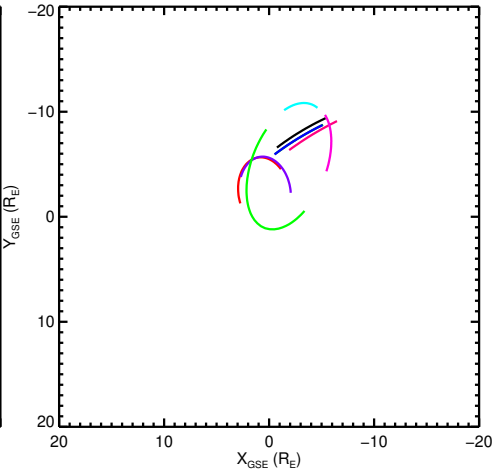


(c) 1335UT to 1915UT
ade bks cly cvw fhw hok kod pgr

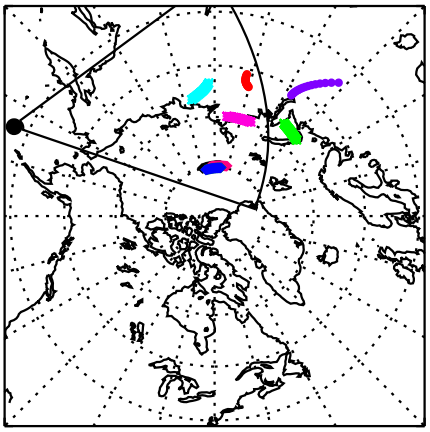


dce sps

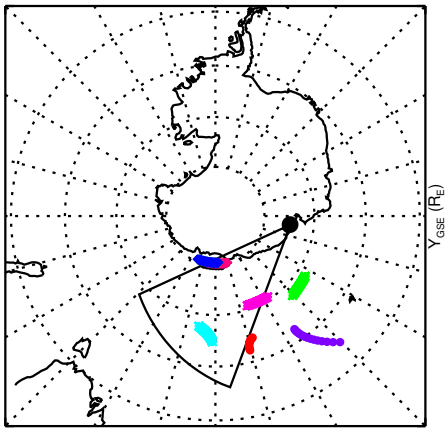


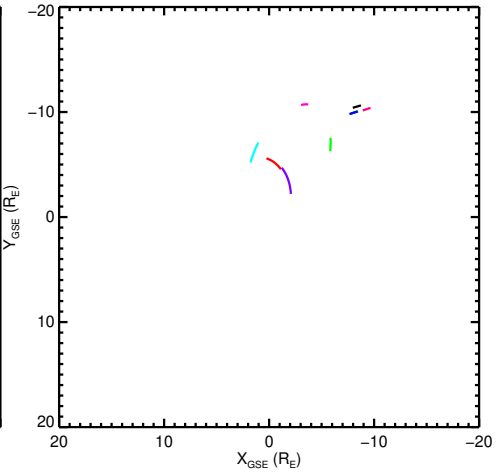


(d) 2235UT to 2355UT
adw



zho

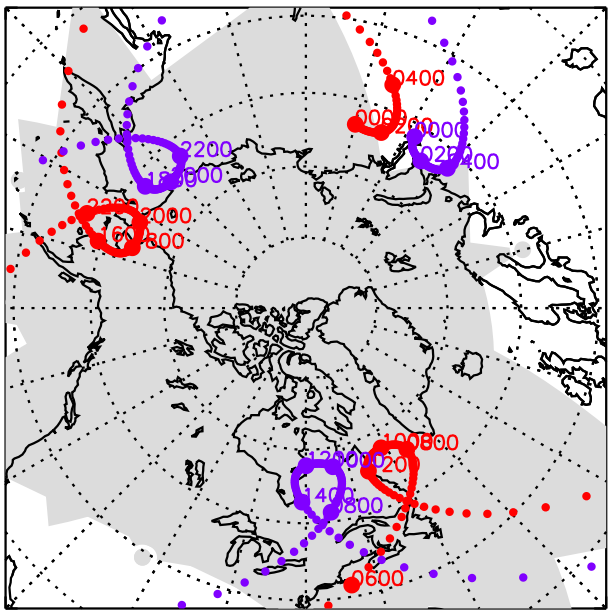


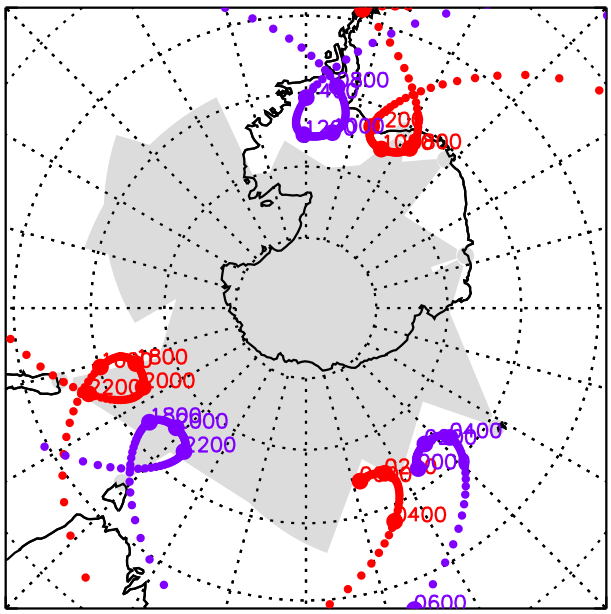


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

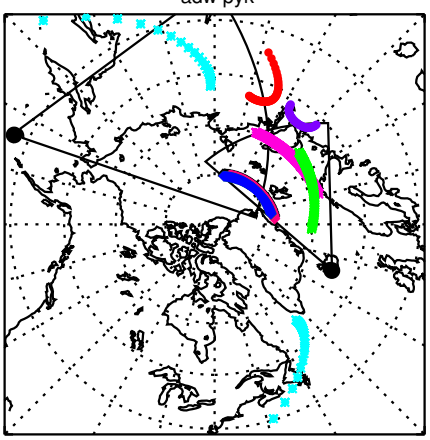
27–Jul–2014

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

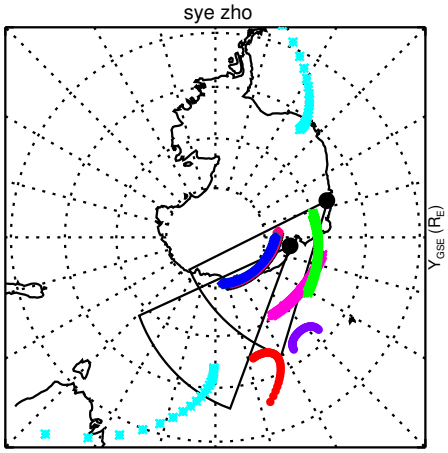


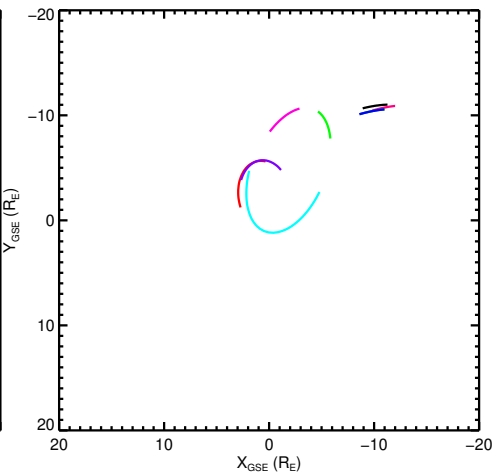


(a) 0000UT to 0415UT
adw pyk

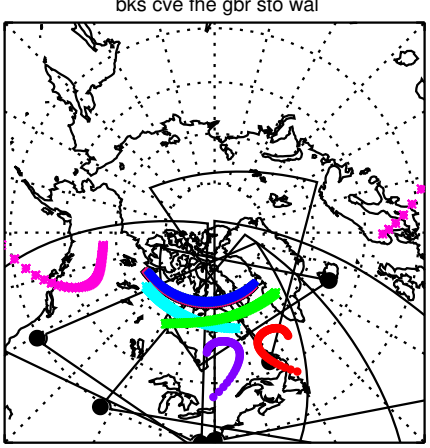


sye zho

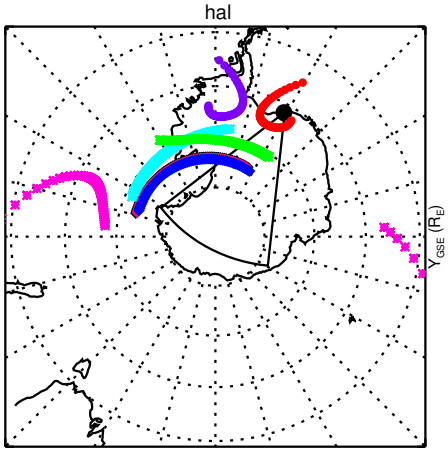


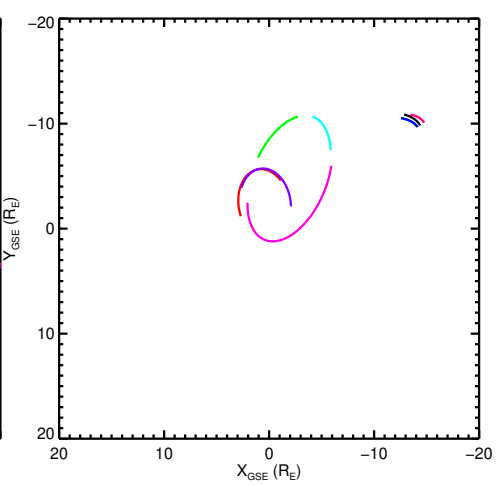


(b) 0735UT to 1315UT
bks cve fhe gbr sto wal

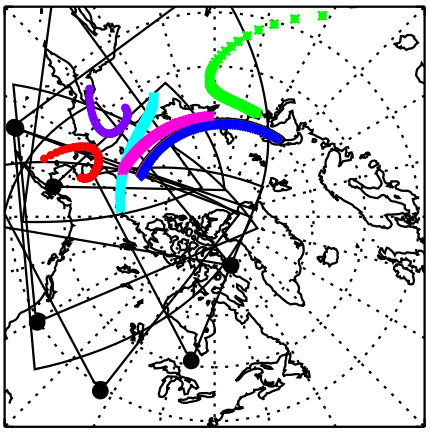


hal

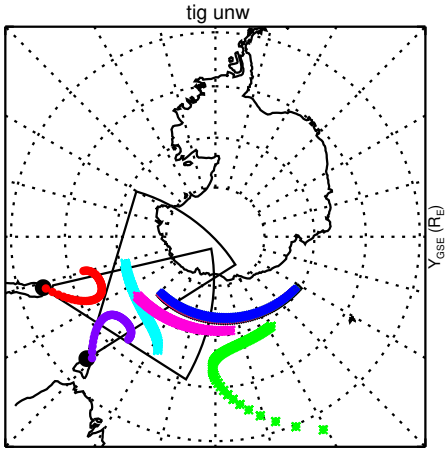


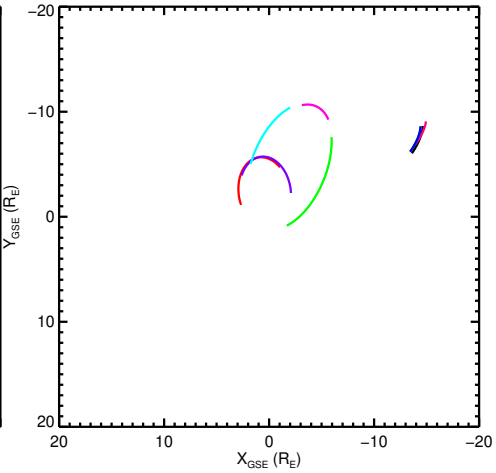


(c) 1640UT to 2215UT
ade adw cly cvw fhw hok kap ksr



tig unw

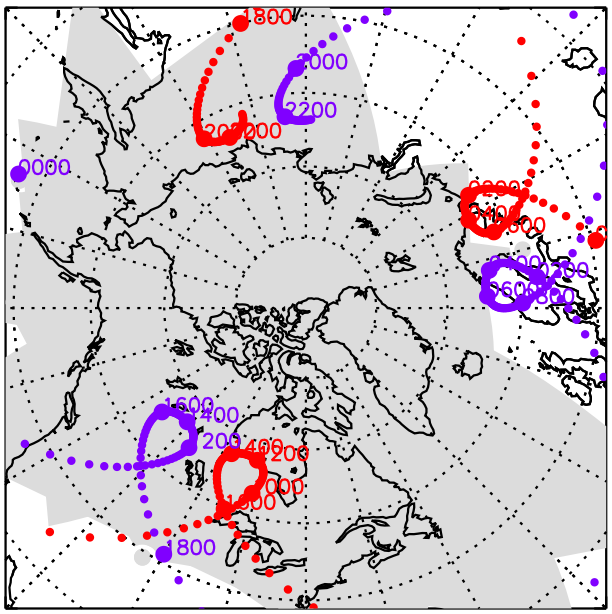


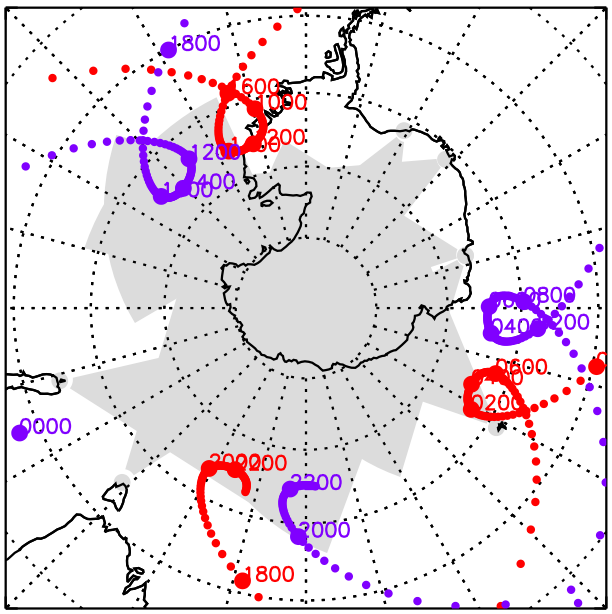


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

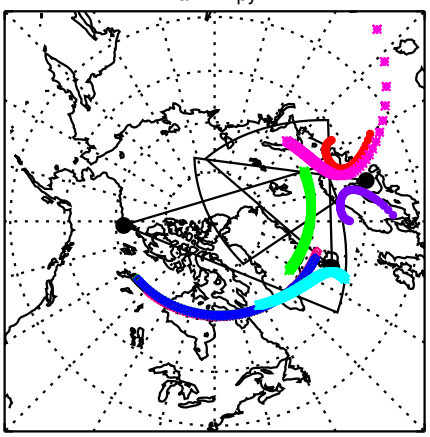
28–Jul–2014

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

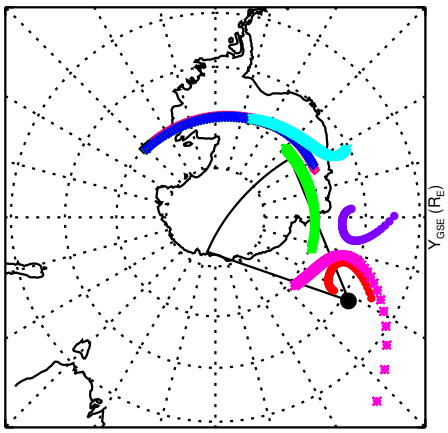


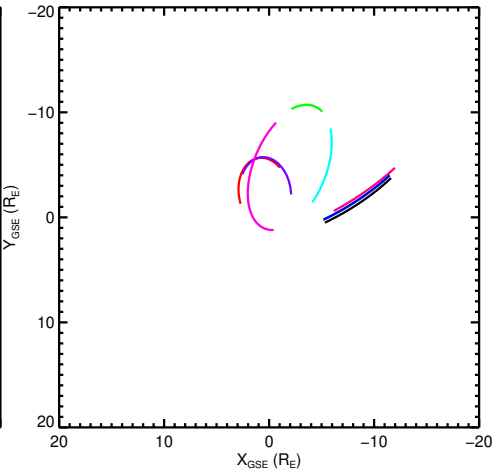


(a) 0140UT to 0710UT
han inv pyk

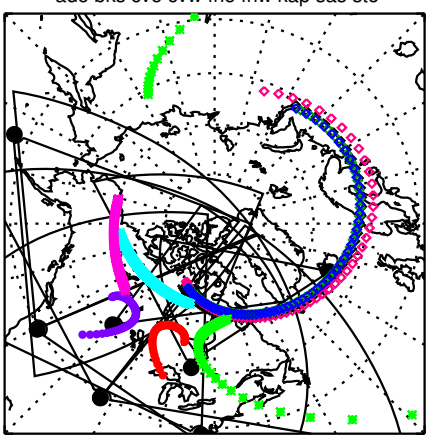


ker

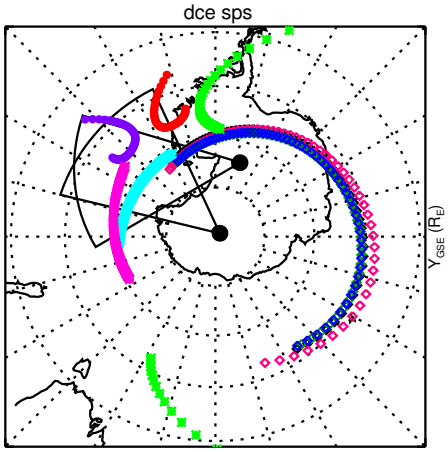


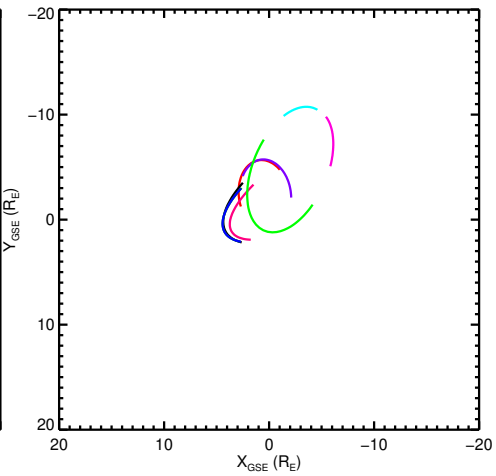


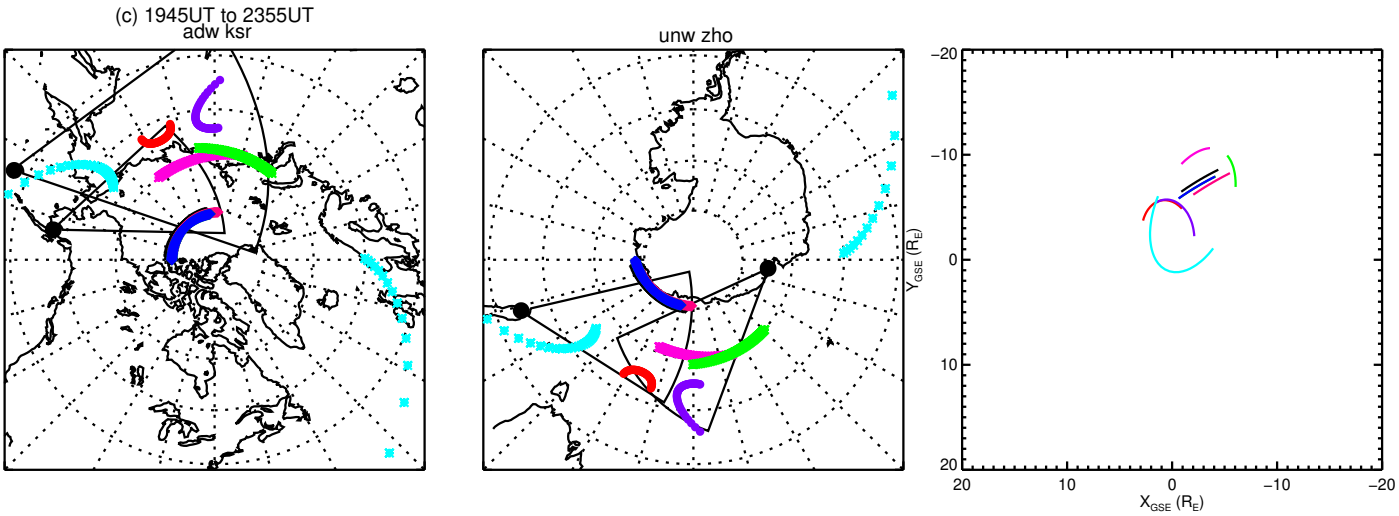
(b) 1040UT to 1610UT
ade bks cve cvw fhe fhw kap sas sto



dce sps



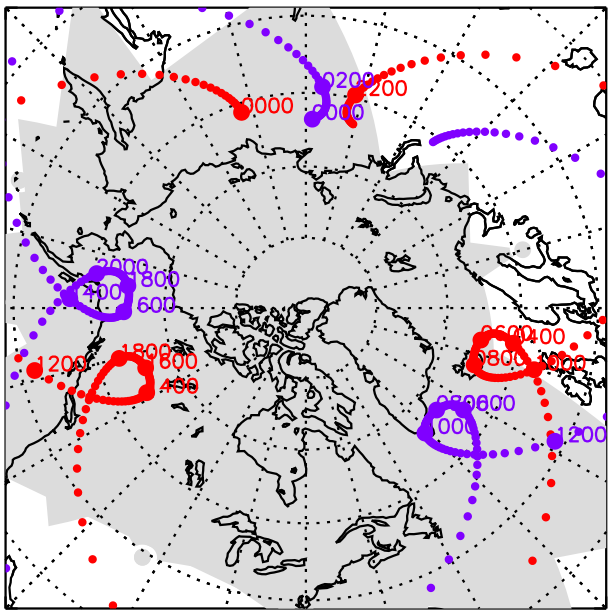


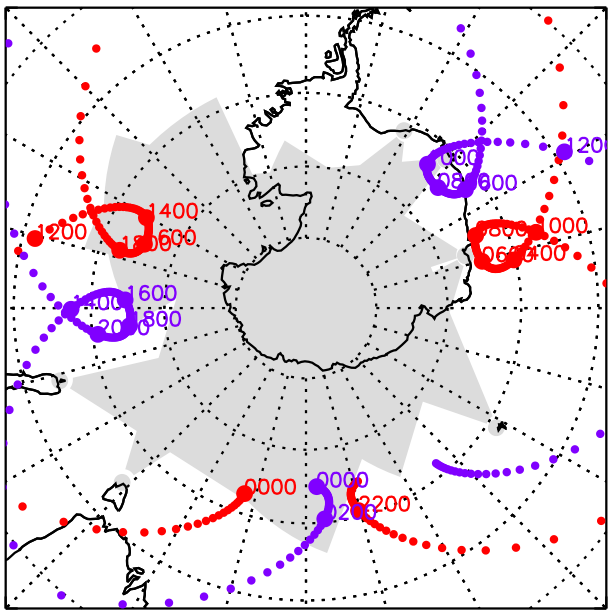

(c) 1945UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

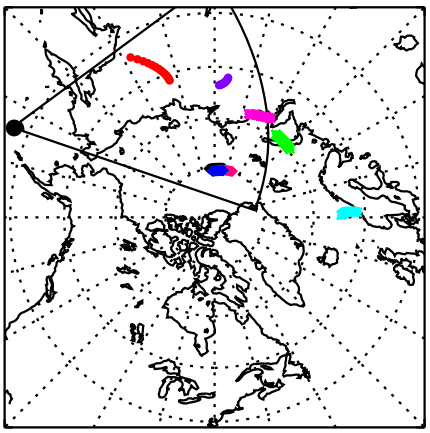
29–Jul–2014

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

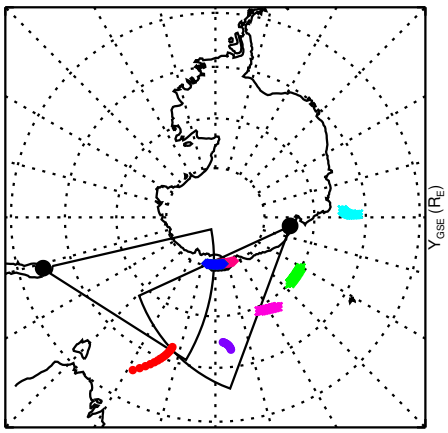


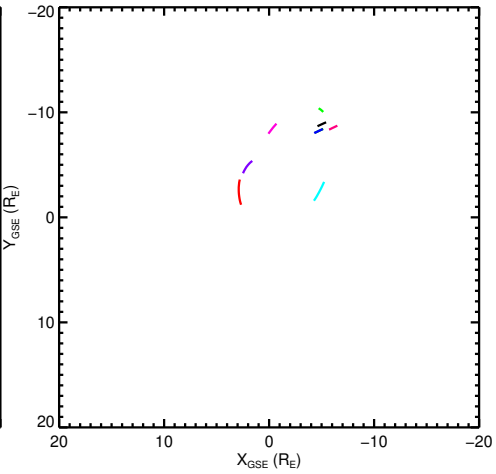


(a) 0000UT to 0110UT
adw

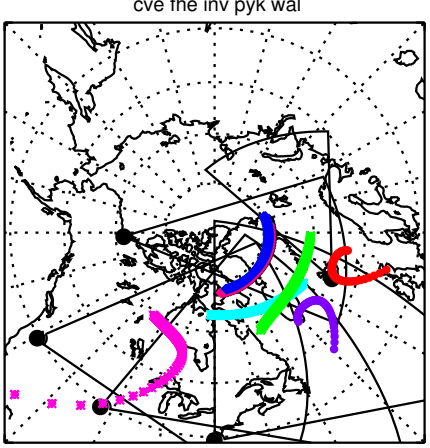


unw zho

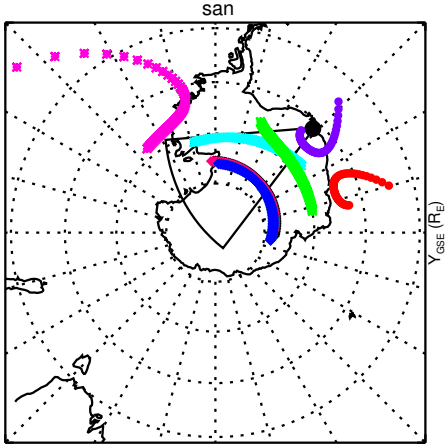


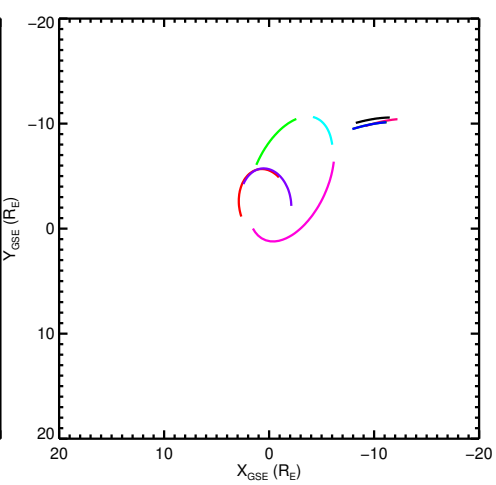


(b) 0445UT to 1010UT
cve fhe inv pyk wal

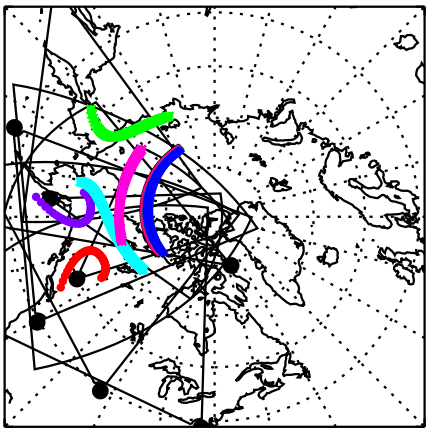


san

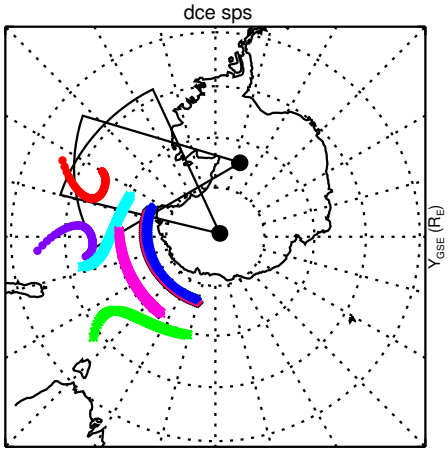


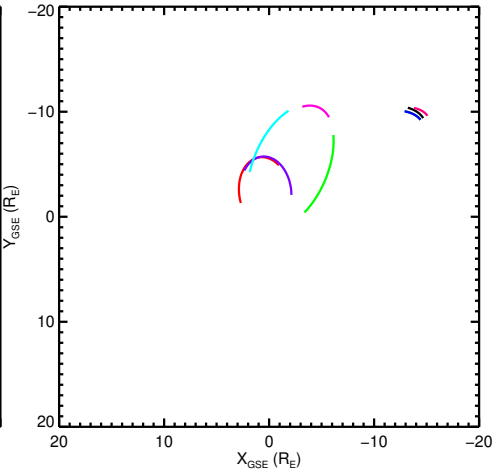


(c) 1345UT to 1905UT
ade bks cly cvw fhw hok kod pgr

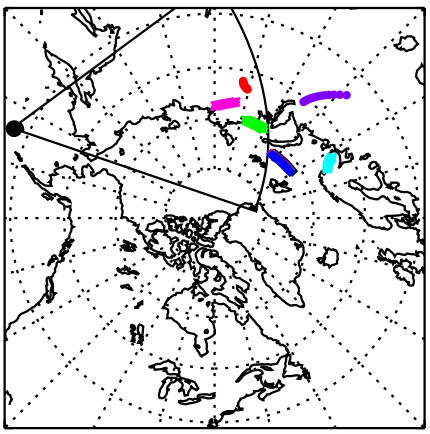


dce sps

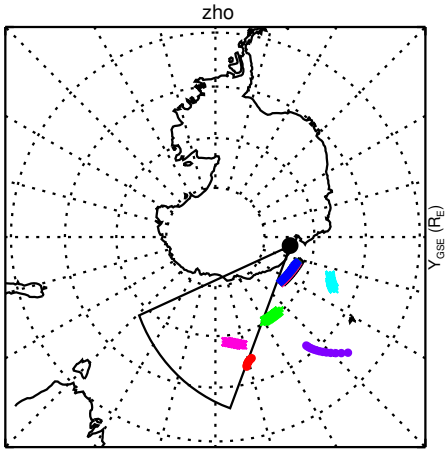


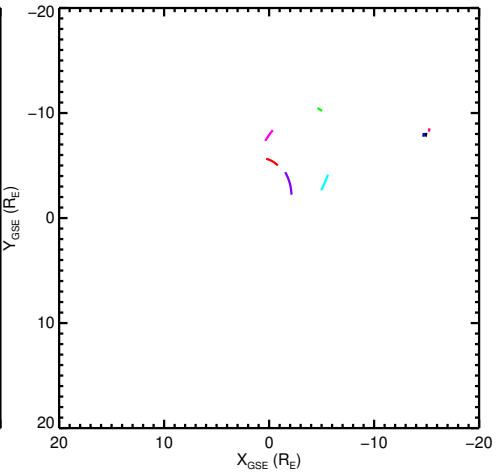


(d) 2250UT to 2355UT
adw



zho

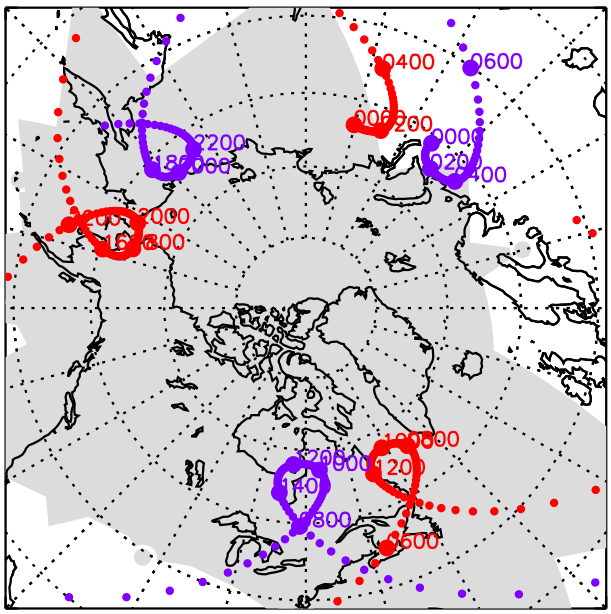


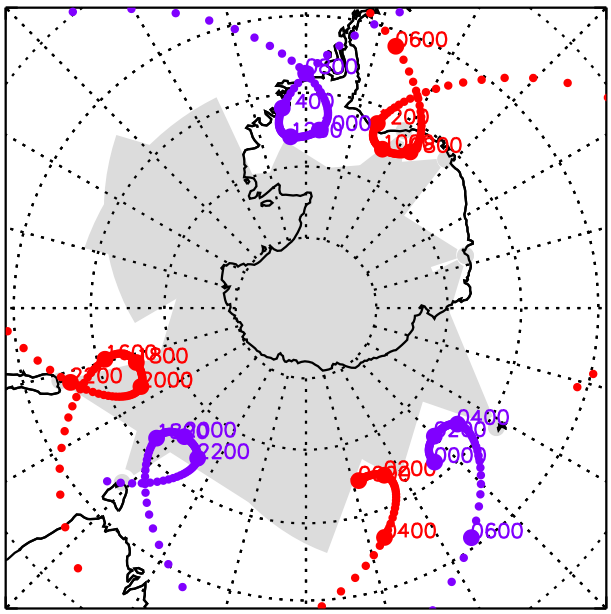


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

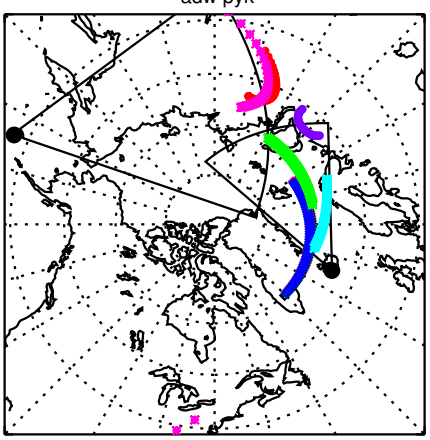
30–Jul–2014

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

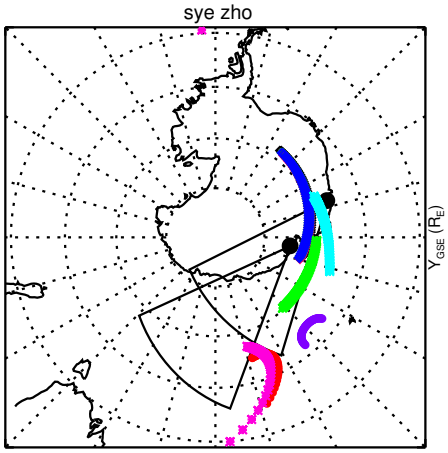


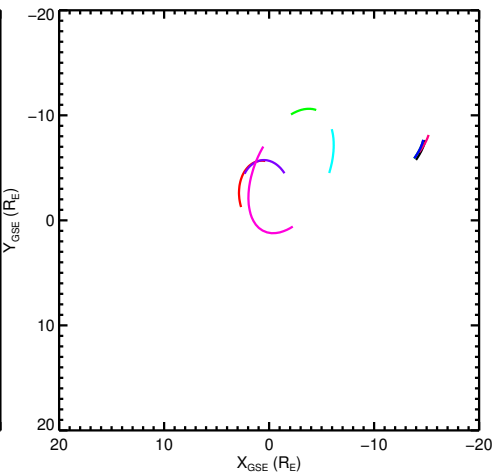


(a) 0000UT to 0405UT
adw pyk

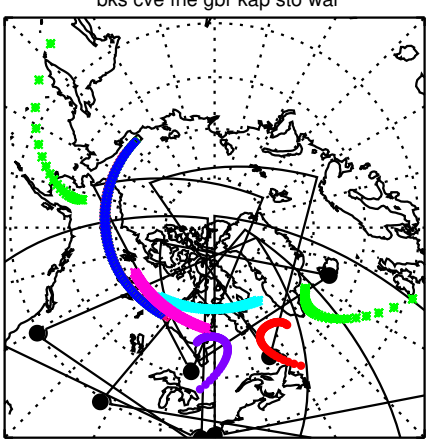


sye zho

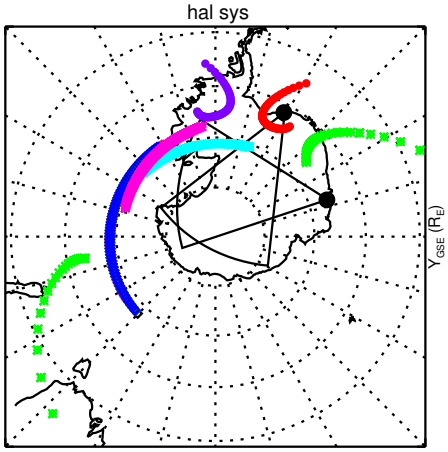


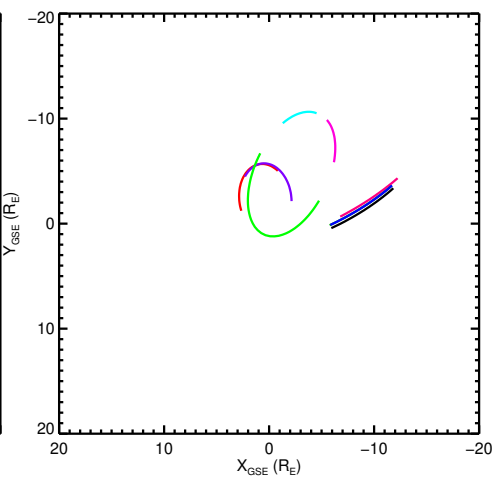


(b) 0750UT to 1305UT
bks cve fhe gbr kap sto wal

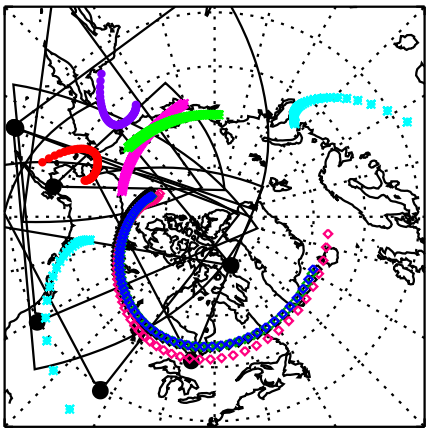


hal sys

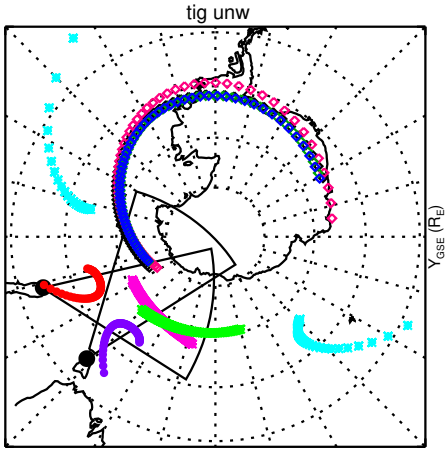


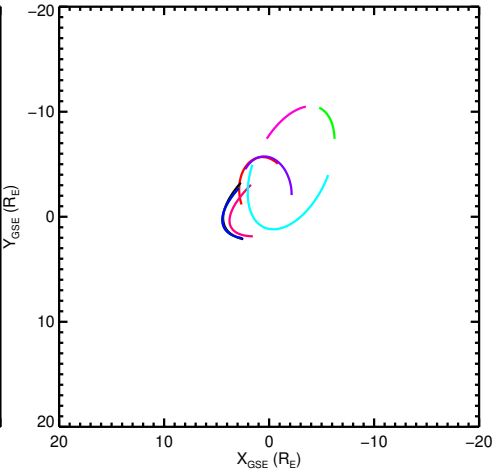


(c) 1650UT to 2205UT
ade adw cly cvw fhw hok kap ksr



tig unw

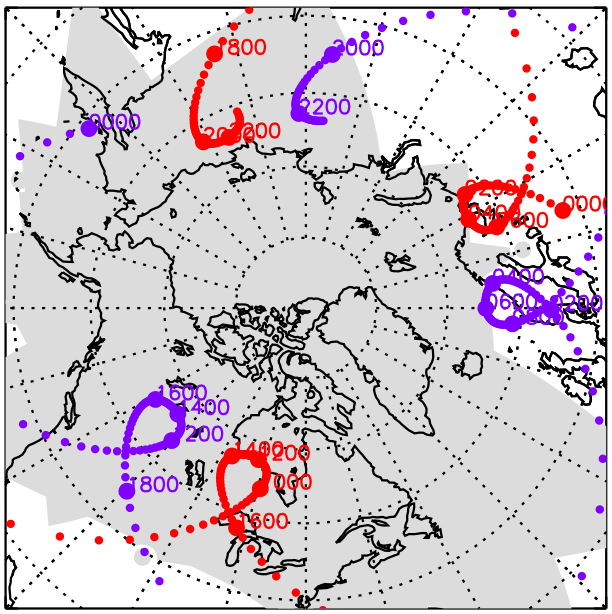


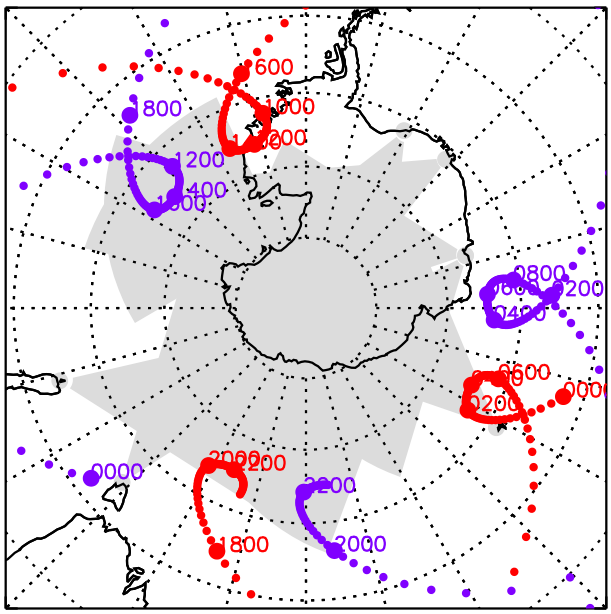


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

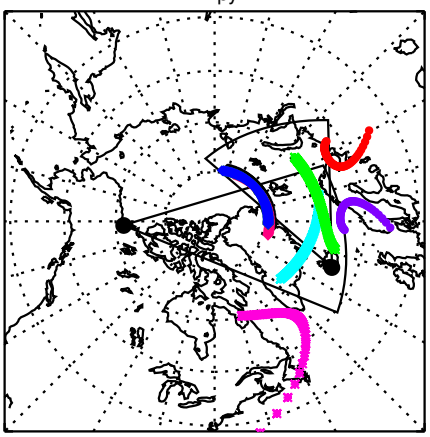
31–Jul–2014

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

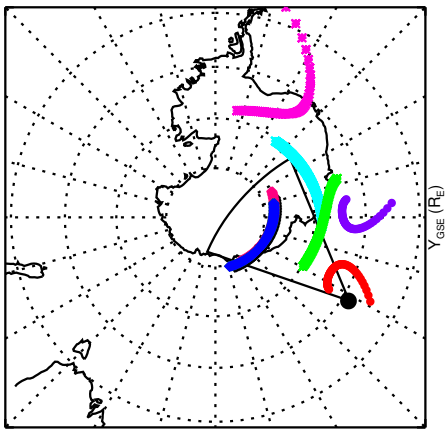


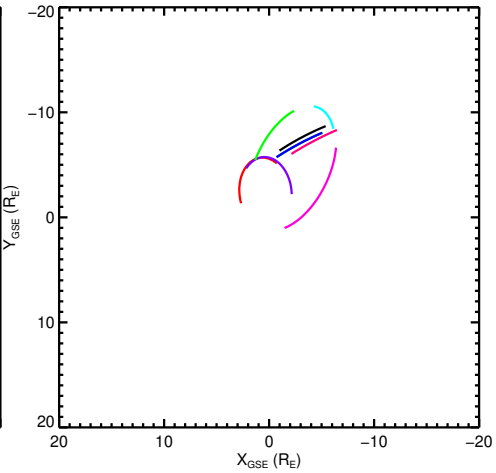


(a) 0155UT to 0700UT
inv pyk

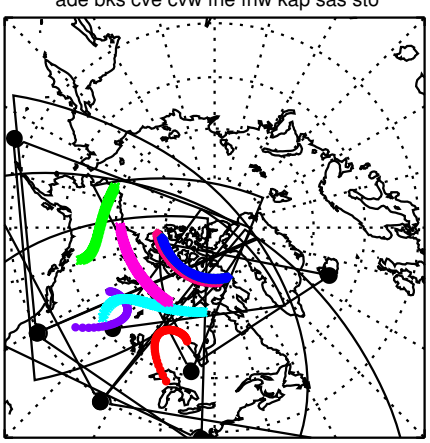


ker

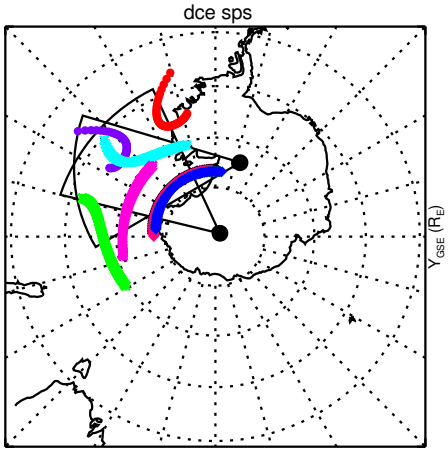


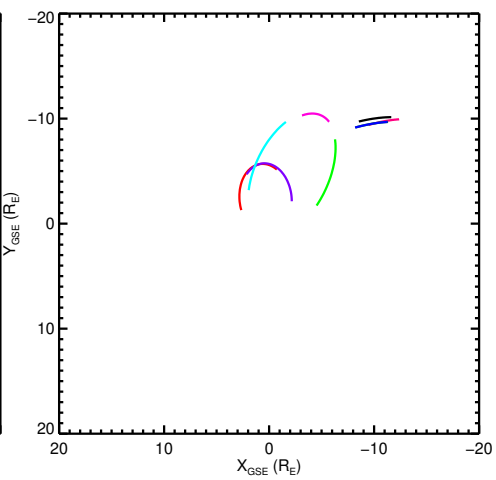


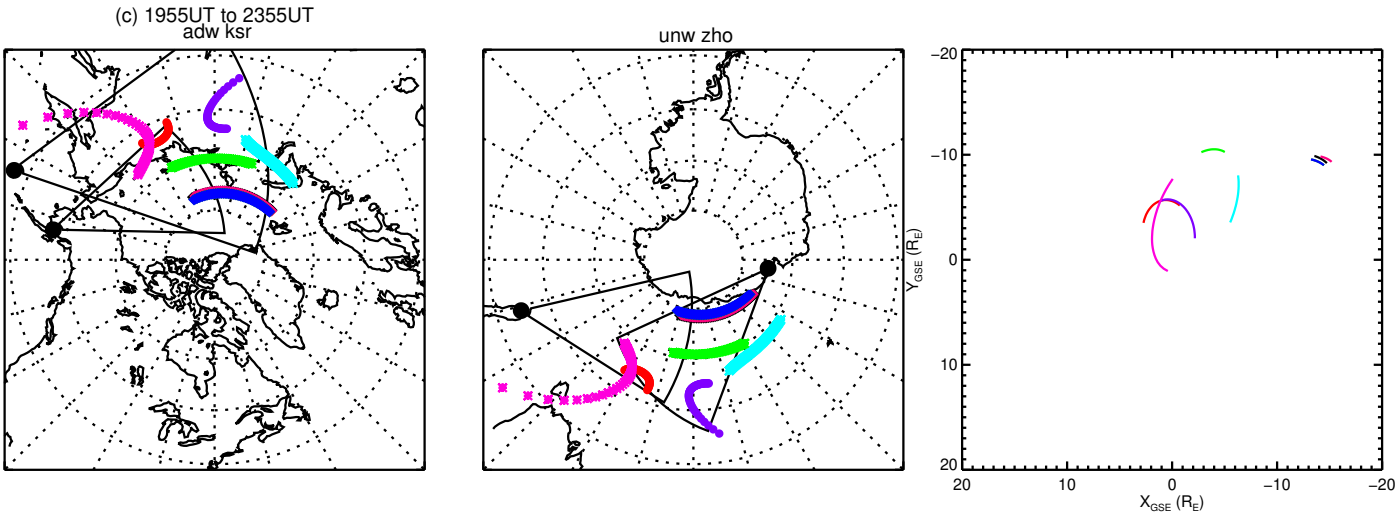
(b) 1055UT to 1600UT
ade bks cve cvw fhe fhw kap sas sto



dce sps






(c) 1955UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)