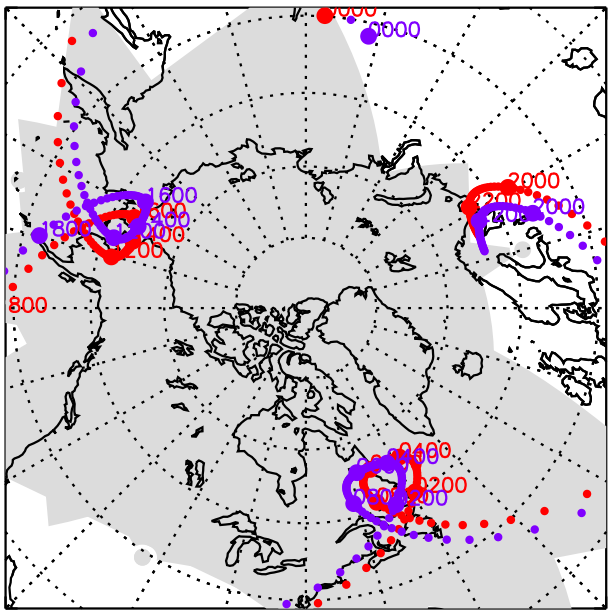
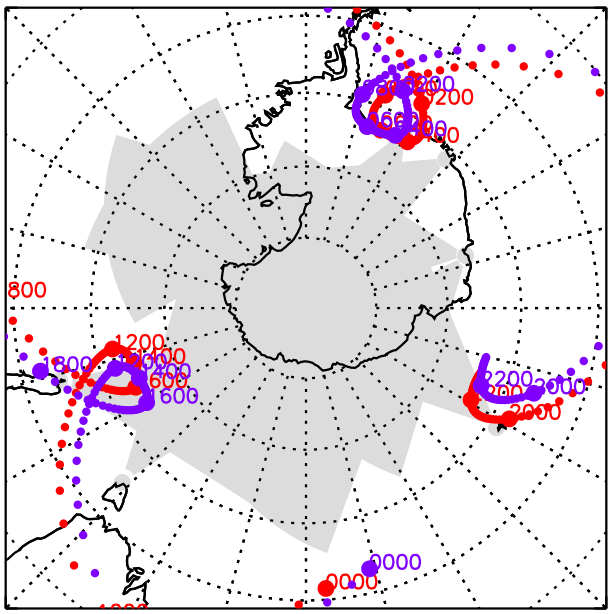
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

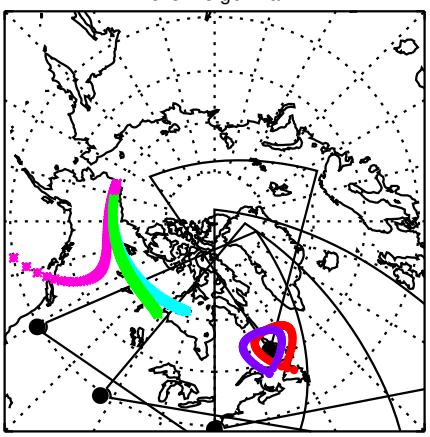
01−Dec−2014

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

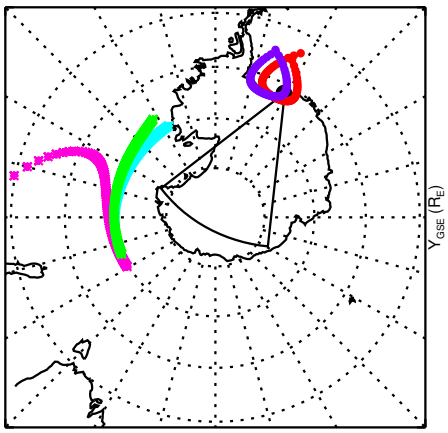


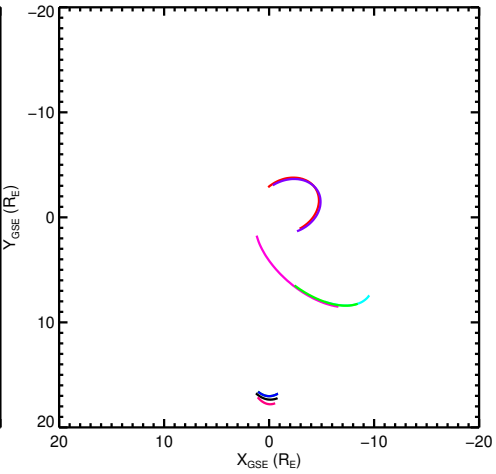


(a) 0145UT to 0835UT
cve fhe gbr wal

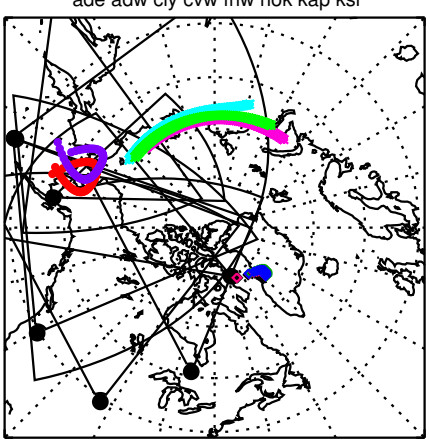


hal

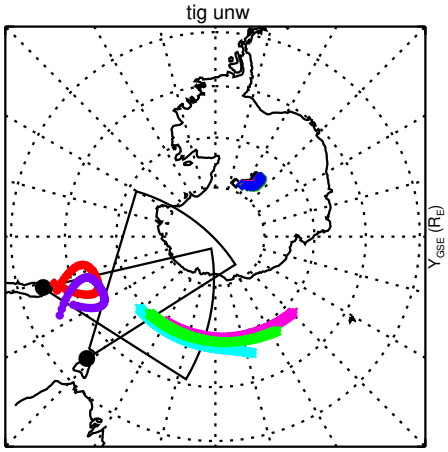


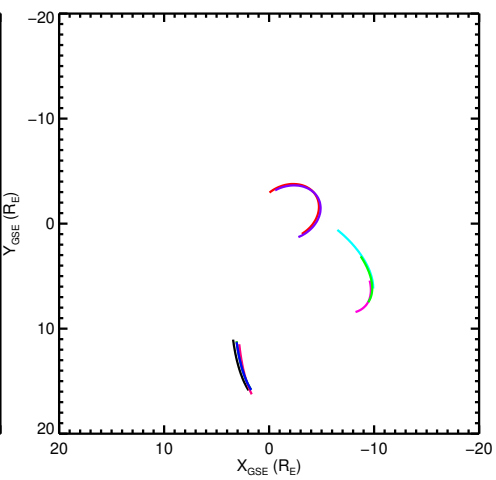


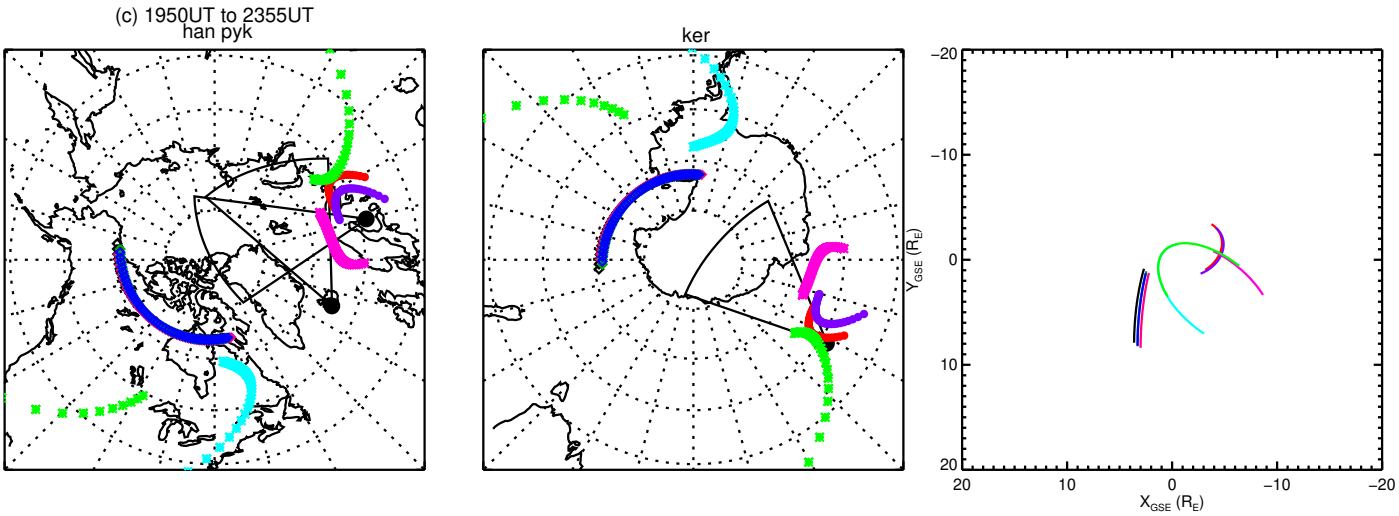
(b) 1050UT to 1730UT
ade adw cly cvw fhw hok kap ksr



tig unw



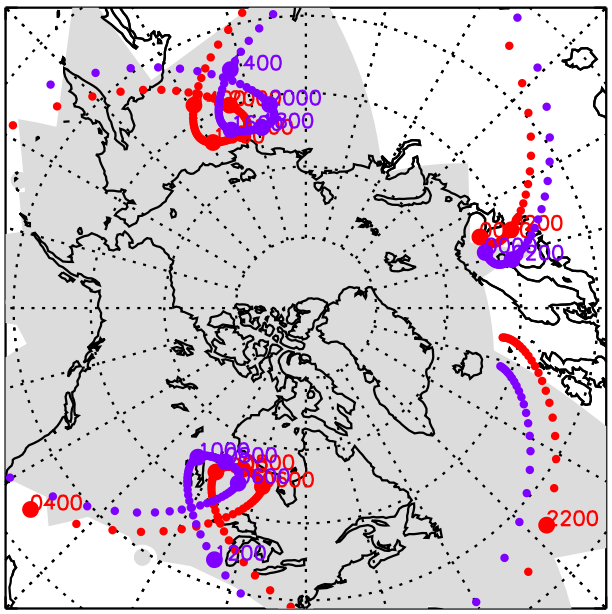


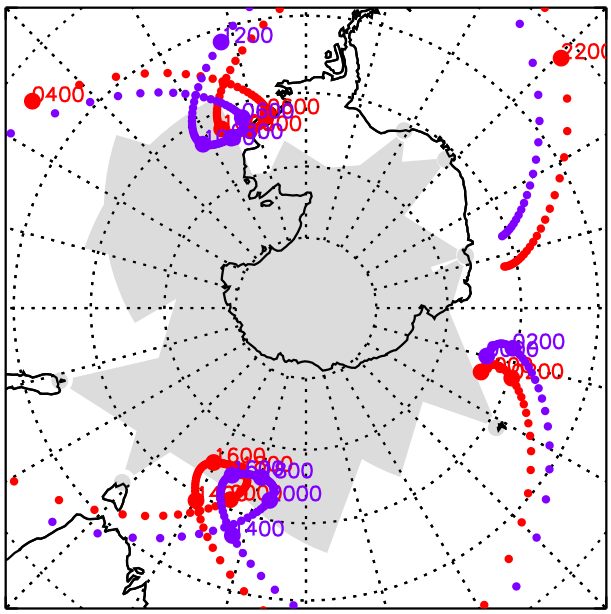

(c) 1950UT to 2355UT
han pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

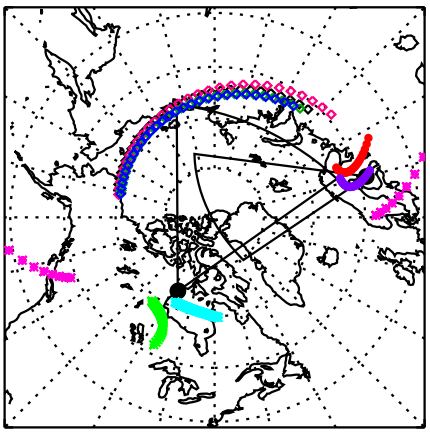
02–Dec–2014

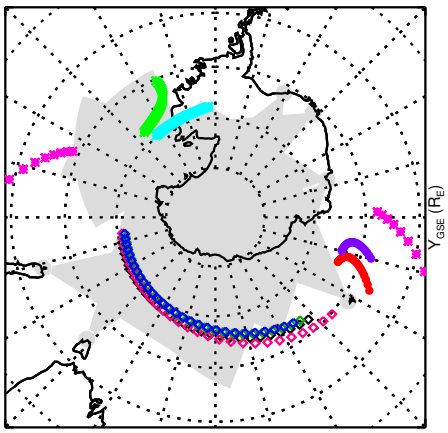
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

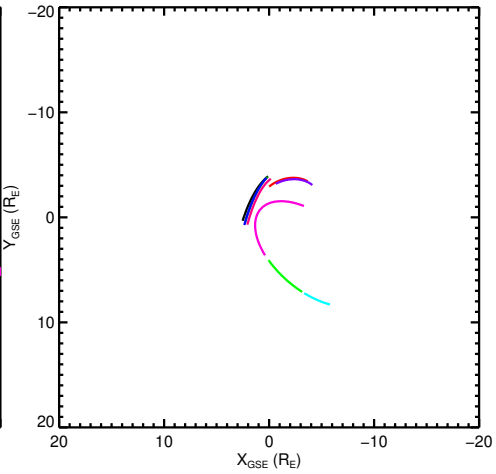




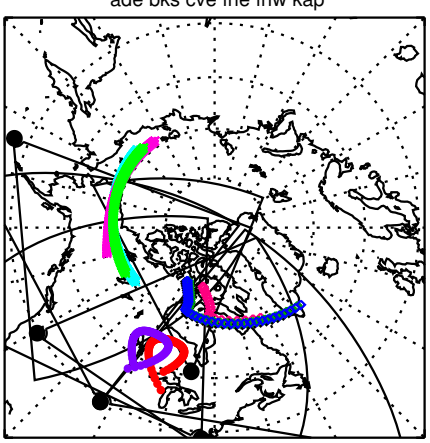
(a) 0000UT to 0230UT
han rkn



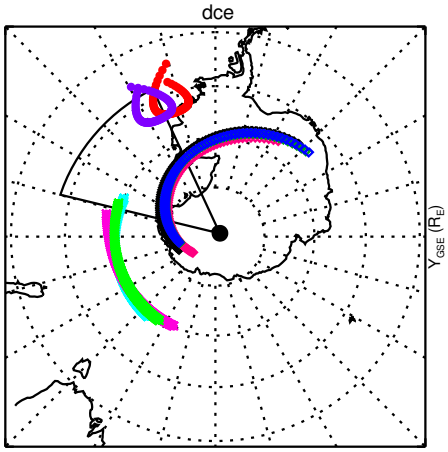


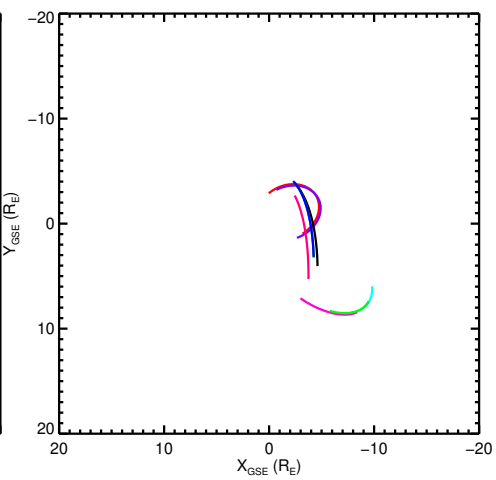


(b) 0450UT to 1130UT
ade bks cve fhe fhw kap

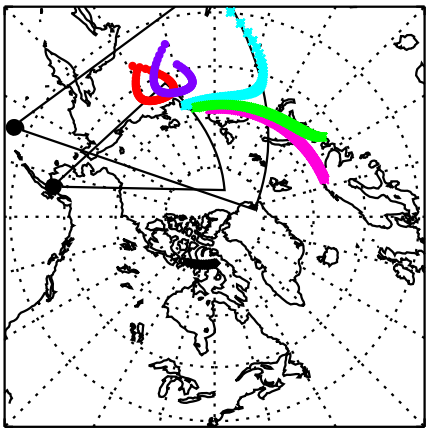


dce

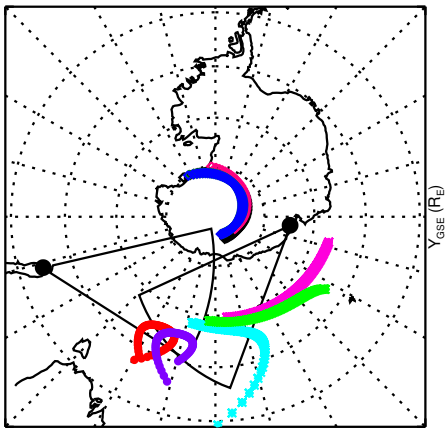


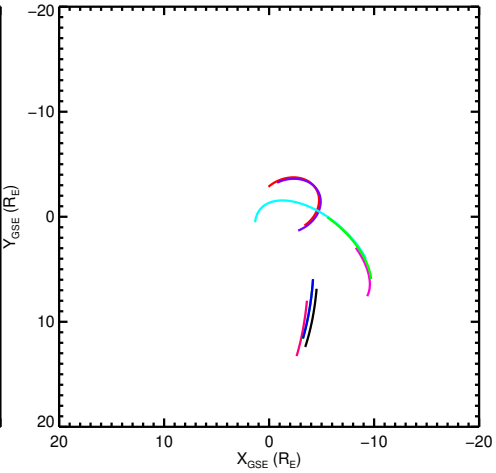


(c) 1355UT to 2030UT
adw ksr

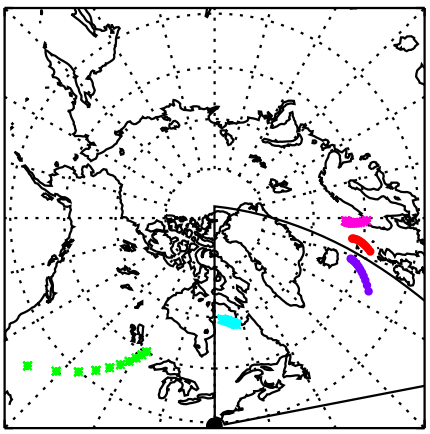


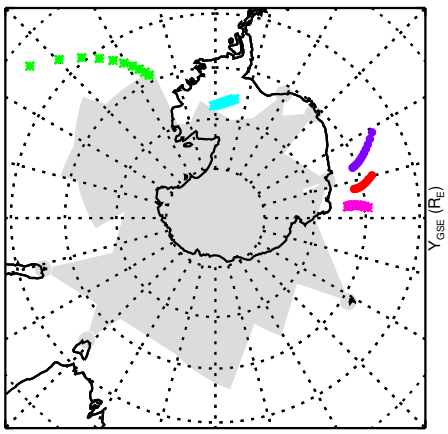
unw zho

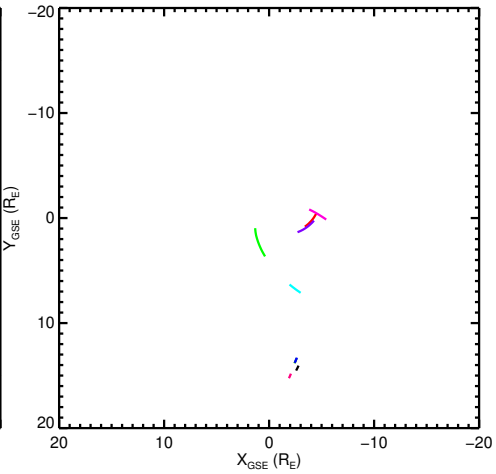




(d) 2255UT to 2355UT
wal



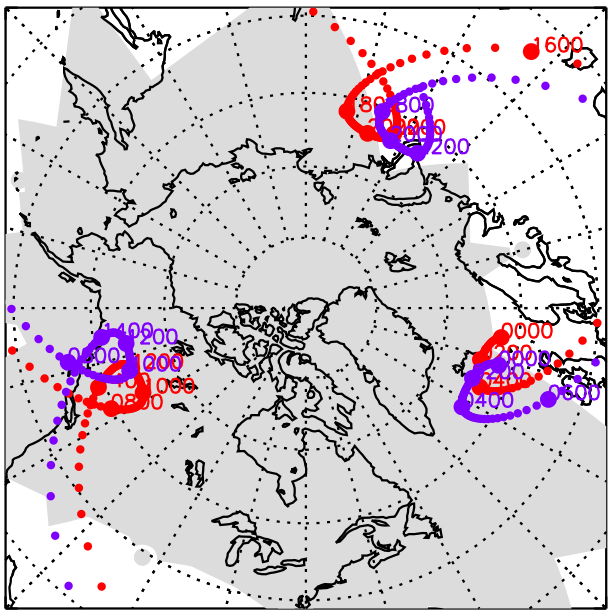


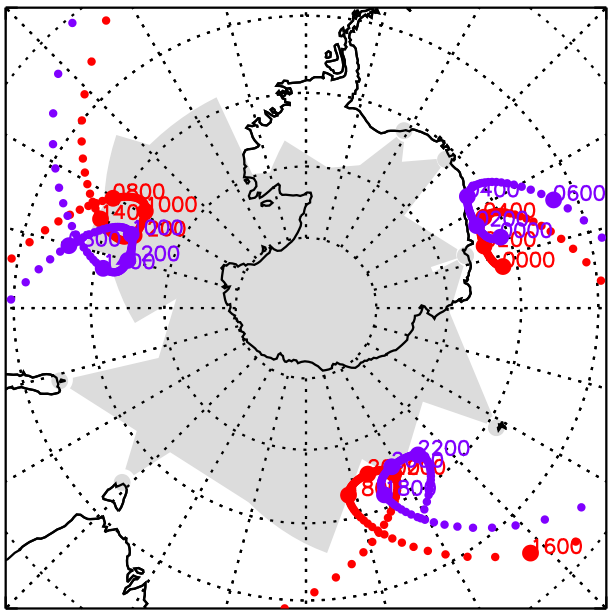


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

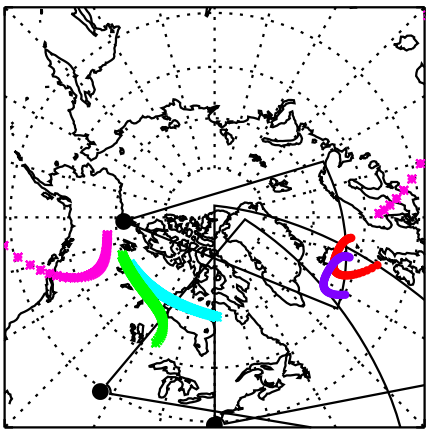
03–Dec–2014

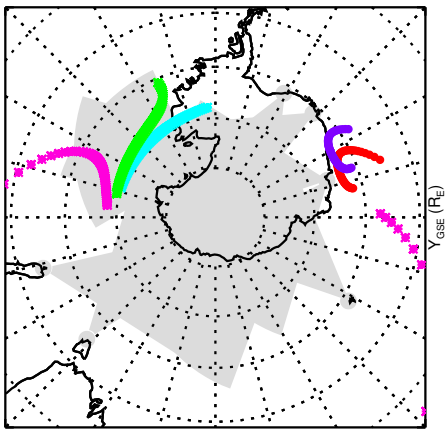
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

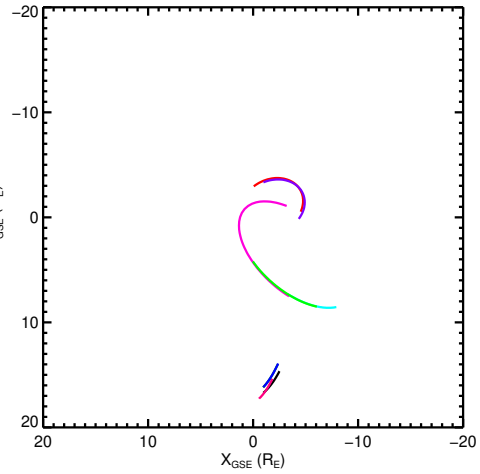




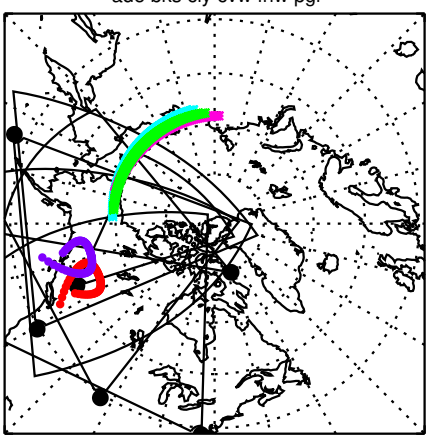
(a) 0000UT to 0525UT
fhe inv wal



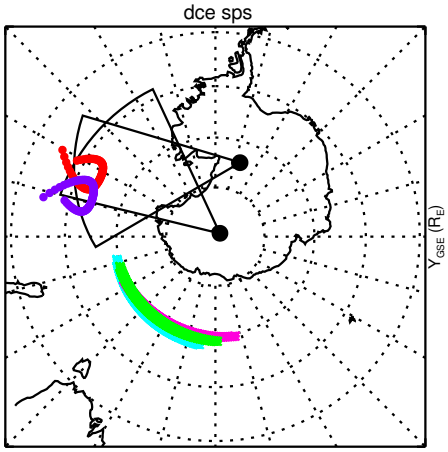


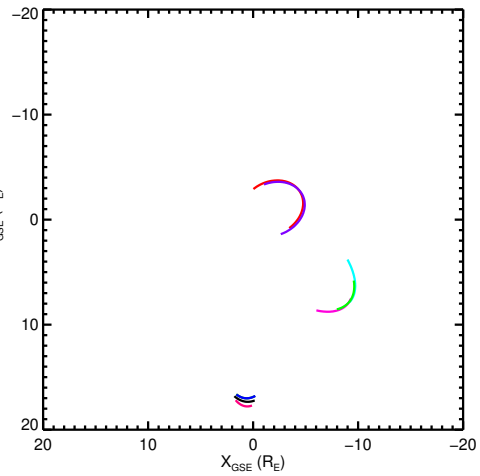


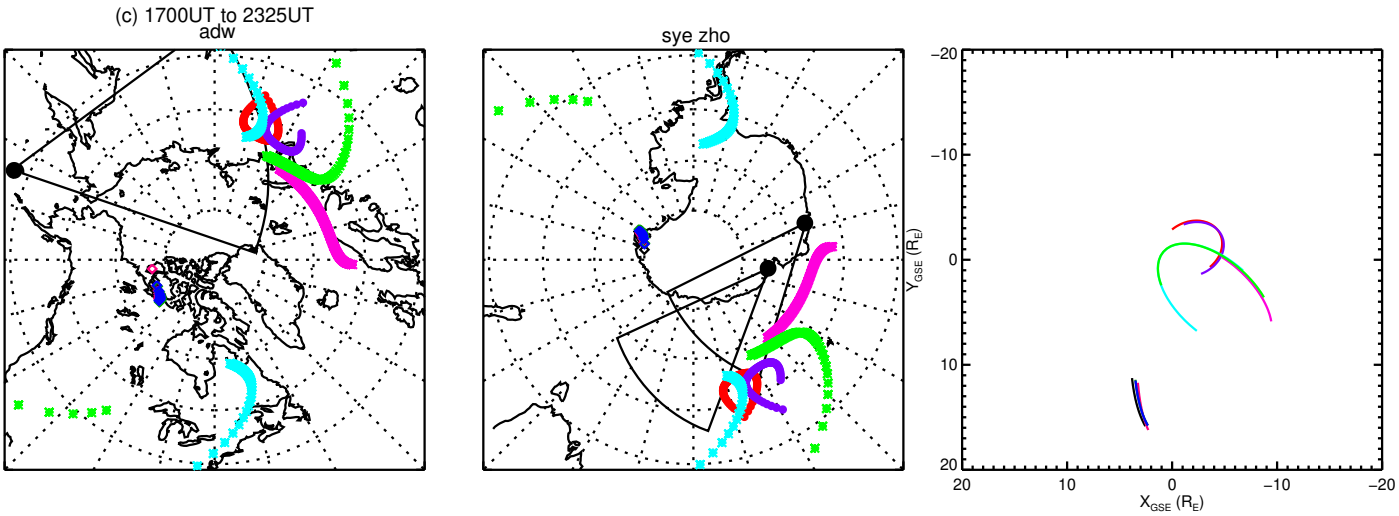
(b) 0755UT to 1425UT
ade bks cly cvw fhw pgr



dce sps



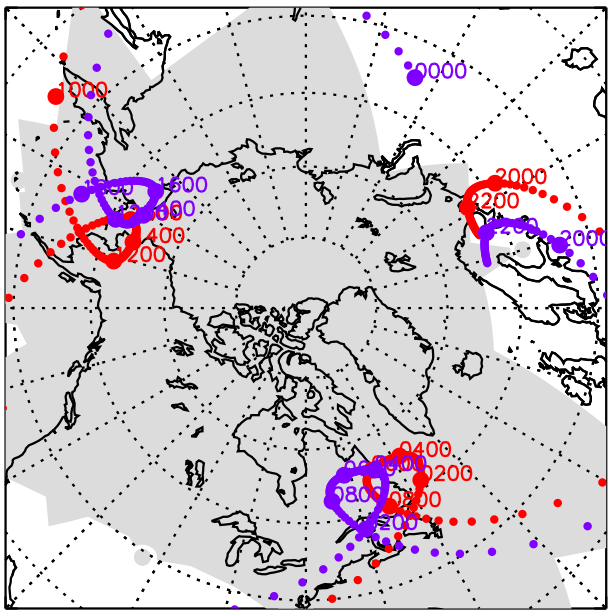


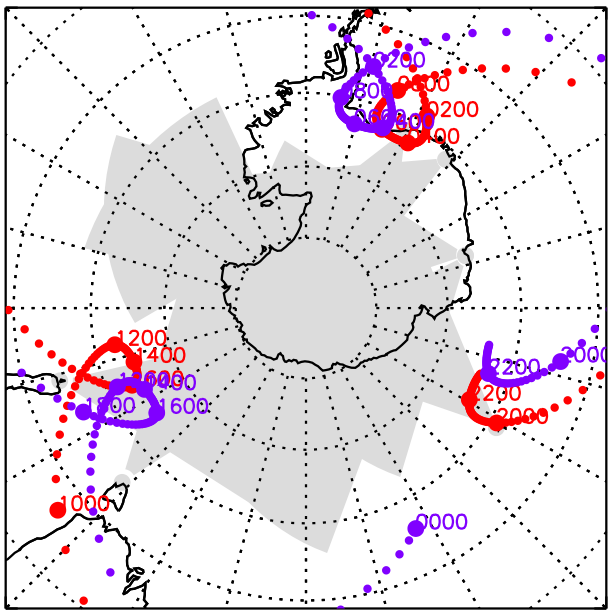

(c) 1700UT to 2325UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

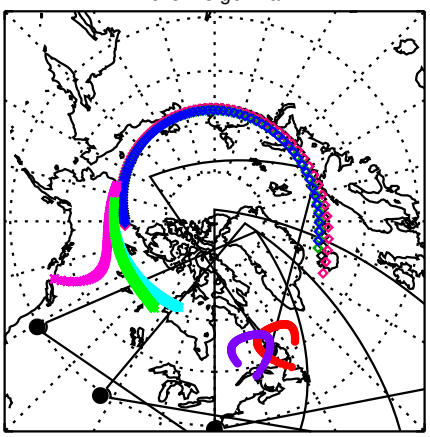
04–Dec–2014

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

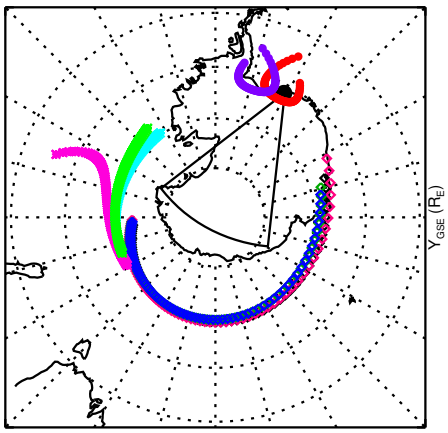


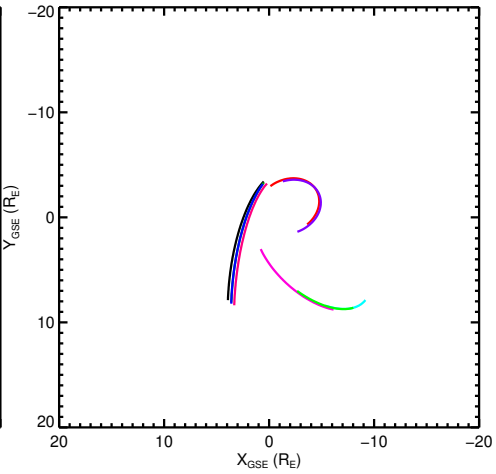


(a) 0200UT to 0820UT
cve fhe gbr wal

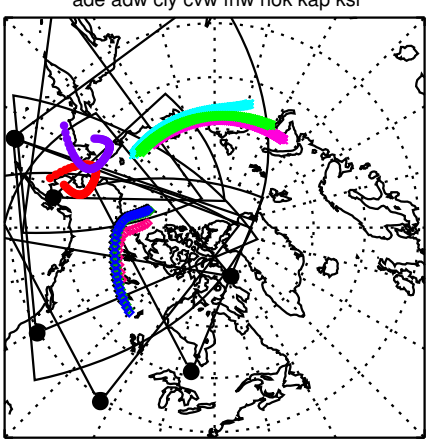


hal

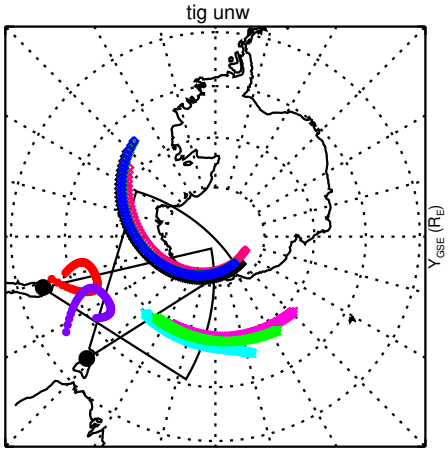


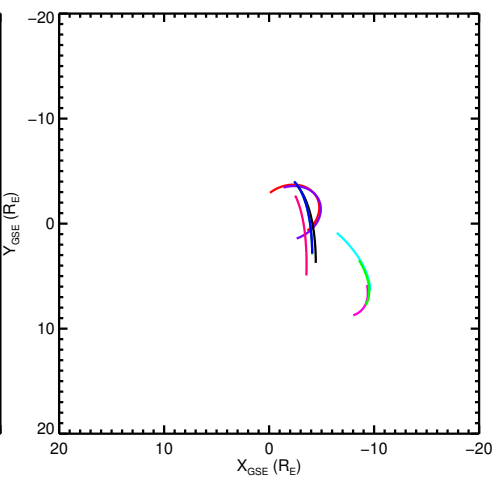


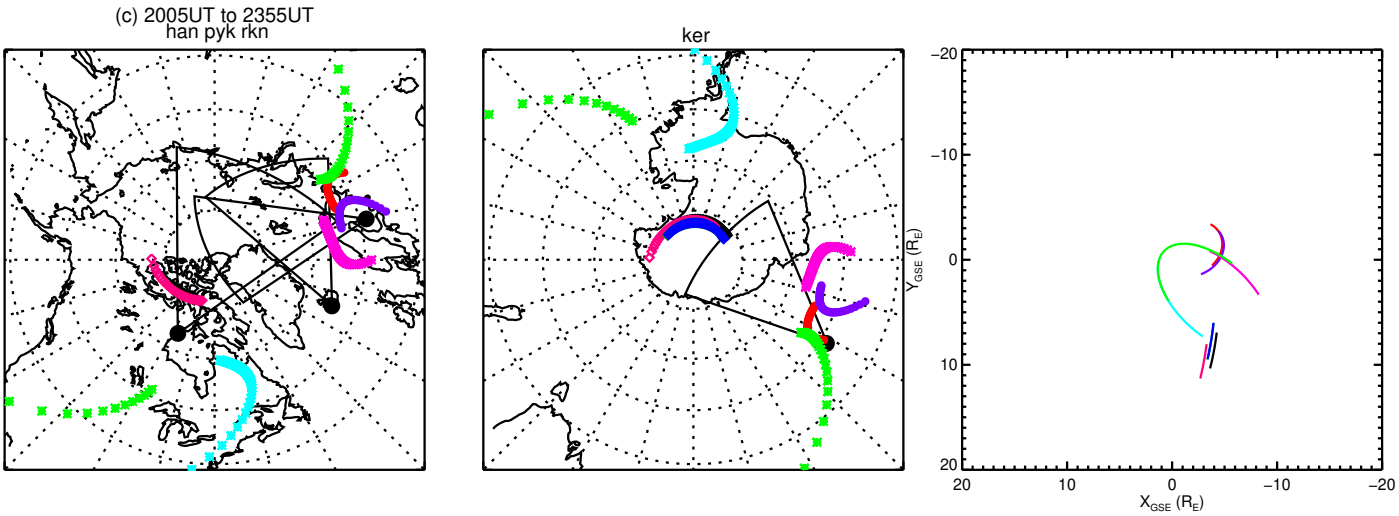
(b) 1100UT to 1720UT
ade adw cly cvw fhw hok kap ksr



tig unw



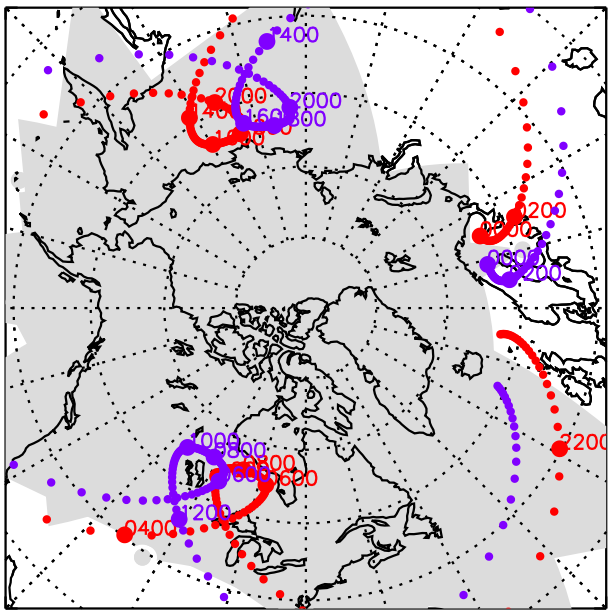


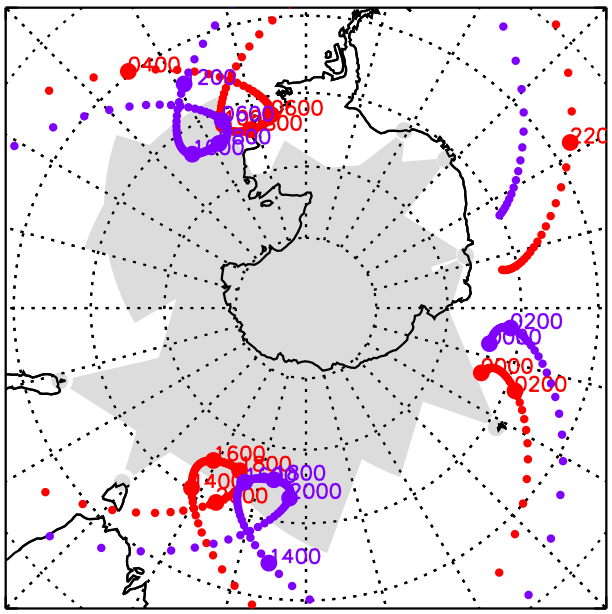

(c) 2005UT to 2355UT
han pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

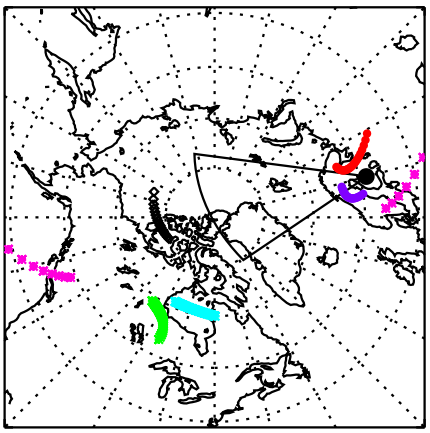
05–Dec–2014

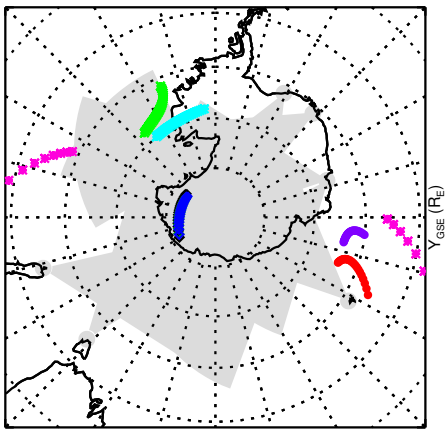
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

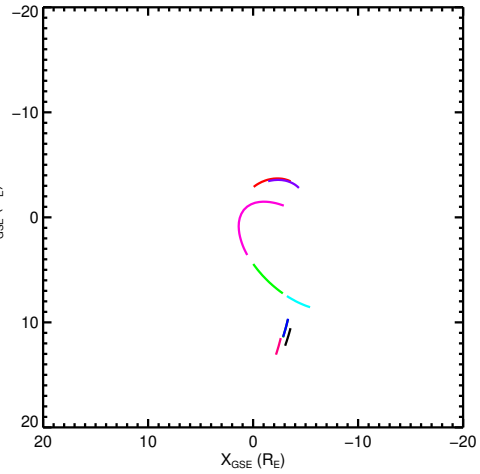




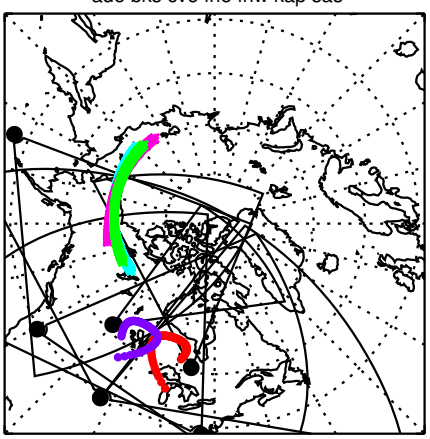
(a) 0000UT to 0220UT
han



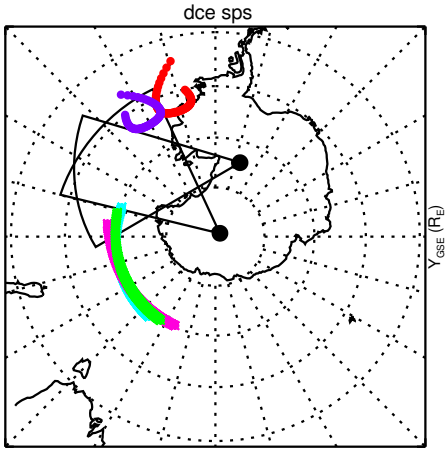


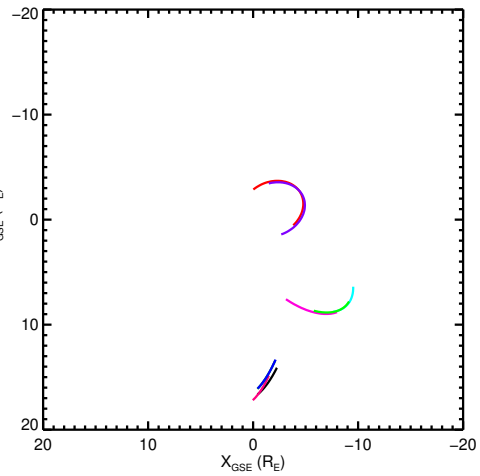


(b) 0505UT to 1120UT
ade bks cve fhe fhw kap sas

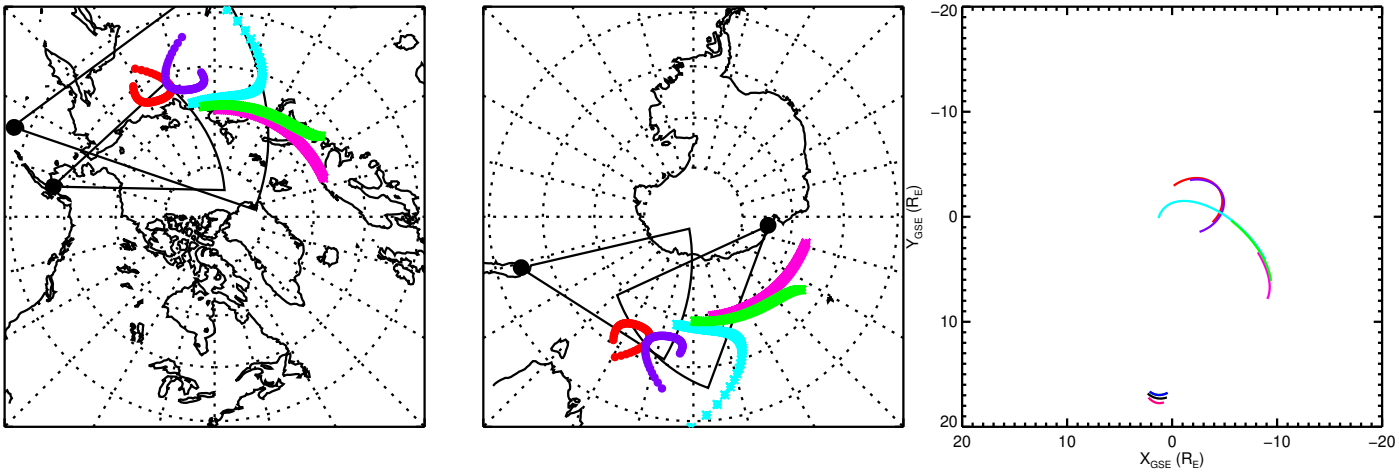


dce sps

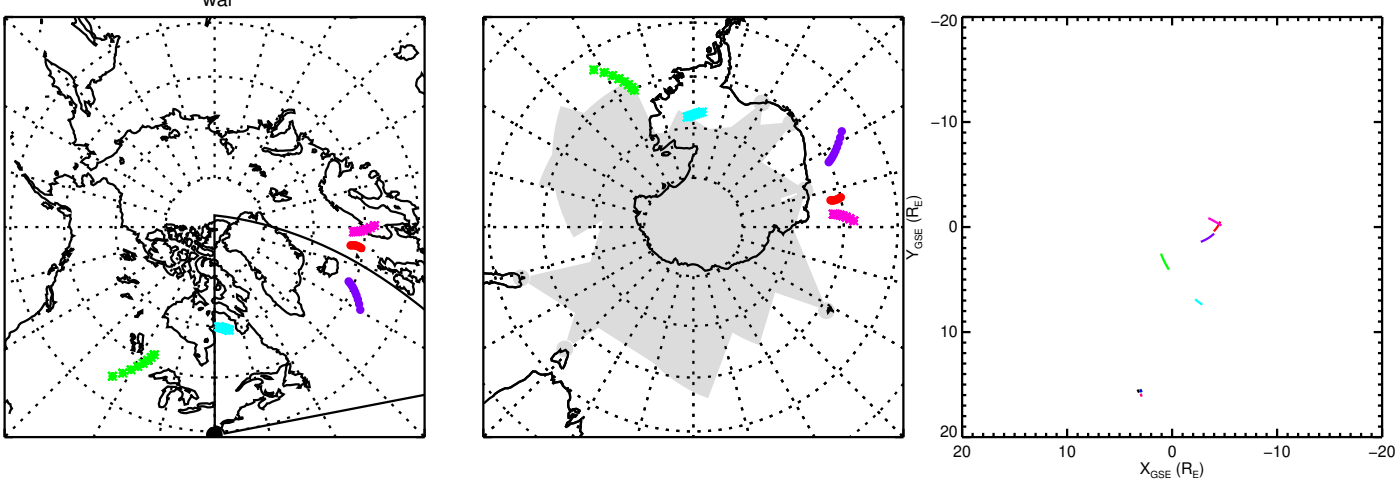




(c) 1405UT to 2015UT



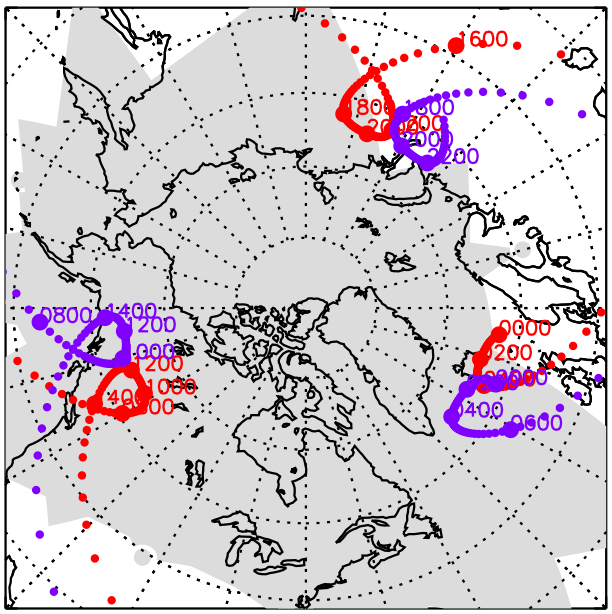
(d) 2310UT to 2355UT

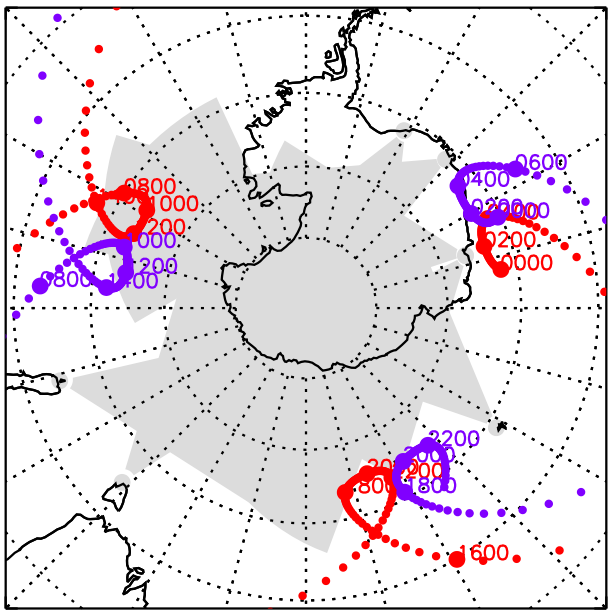


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

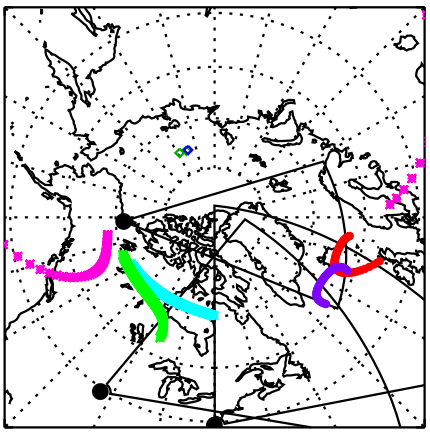
06–Dec–2014

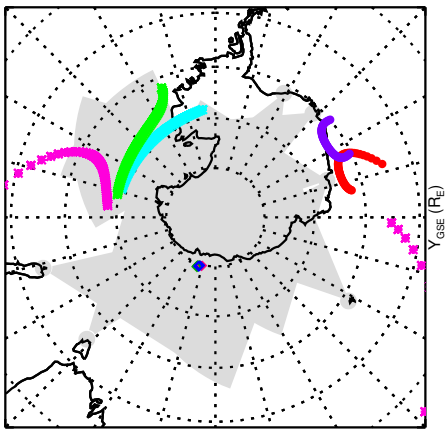
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

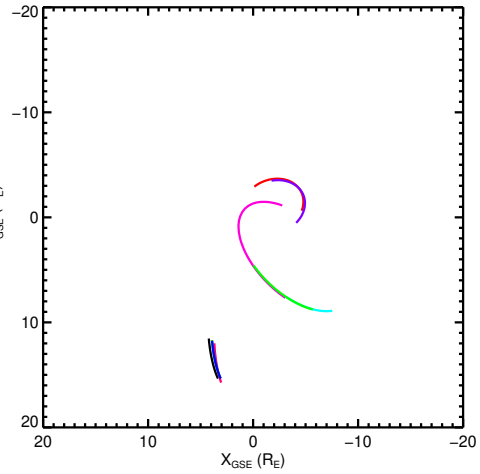




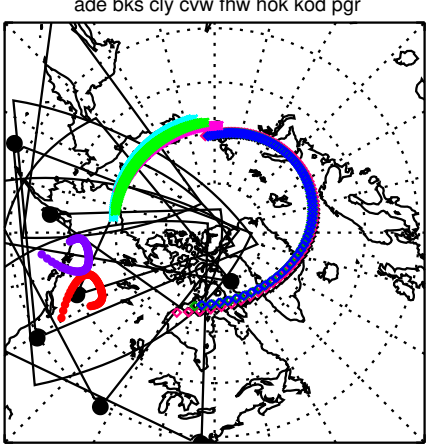
(a) 0000UT to 0515UT
fhe inv wal



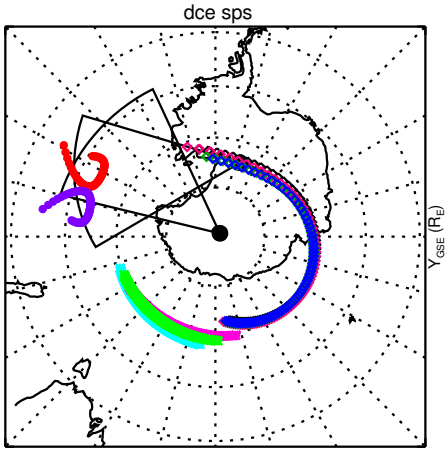


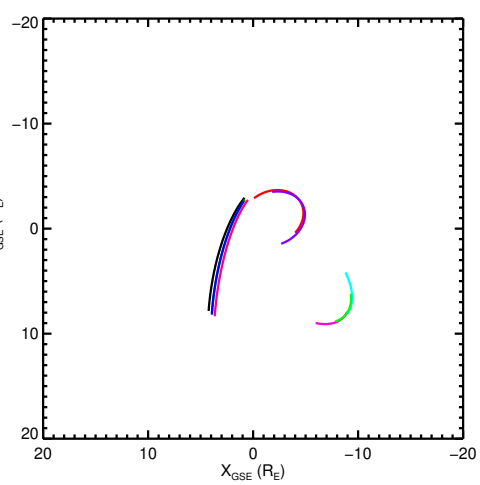


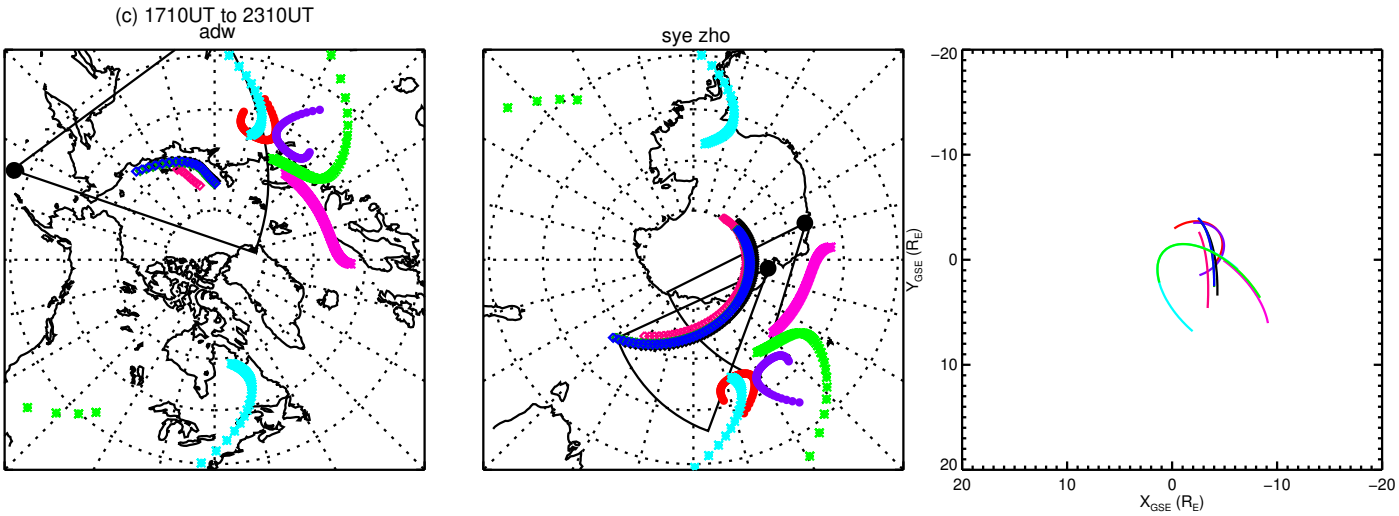
(b) 0810UT to 1415UT
ade bks cly cvw fhw hok kod pgr



dce sps



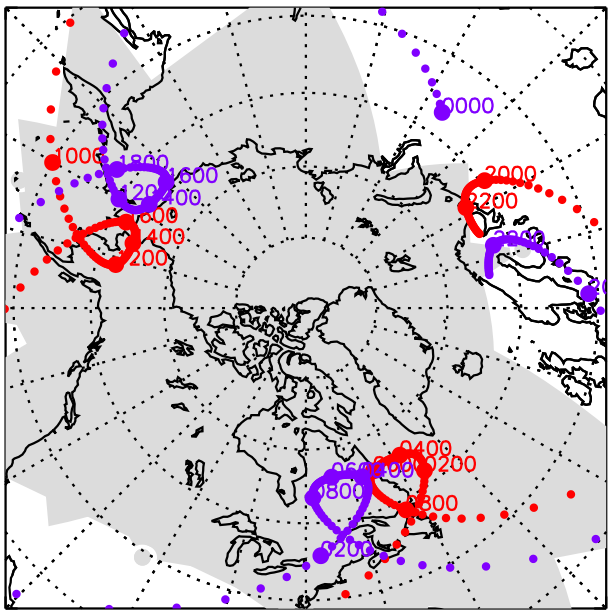


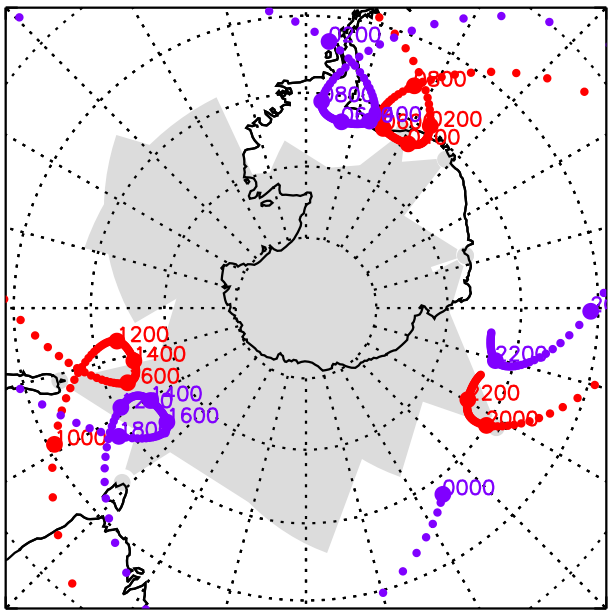

(c) 1710UT to 2310UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

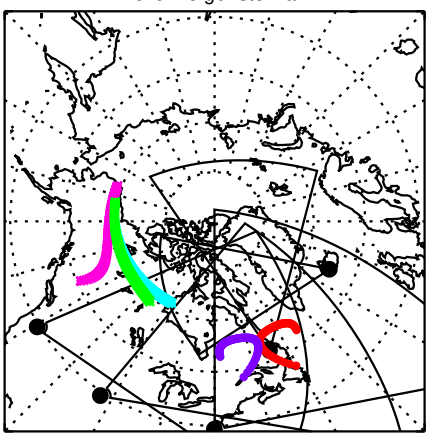
07–Dec–2014

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

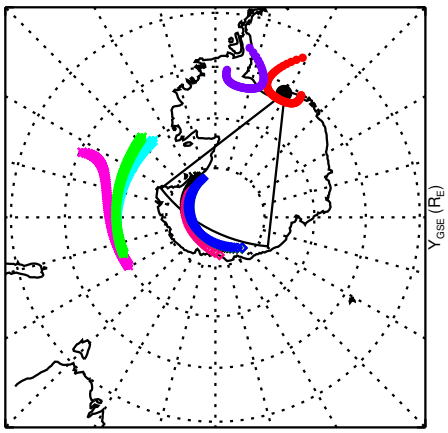


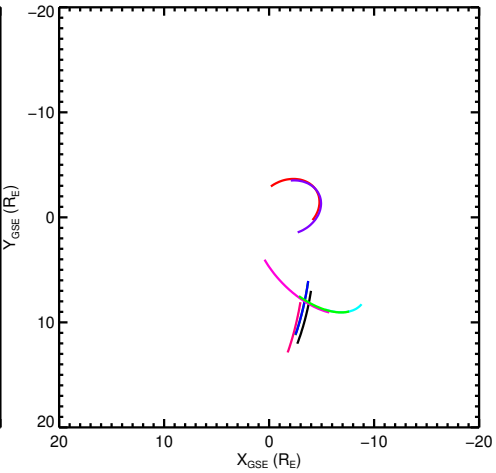


(a) 0215UT to 0810UT
cve fhe gbr sto wal

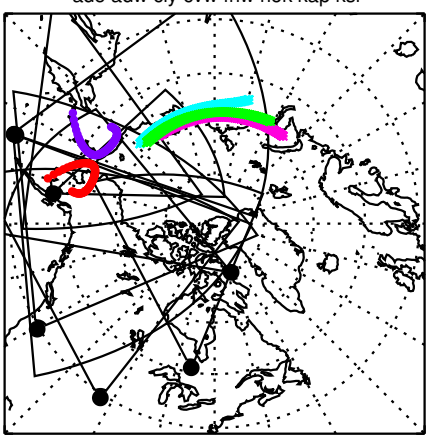


hal

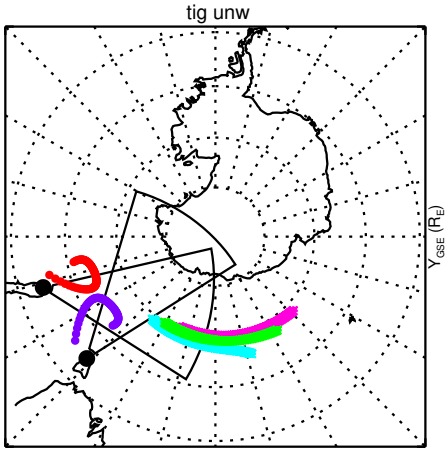


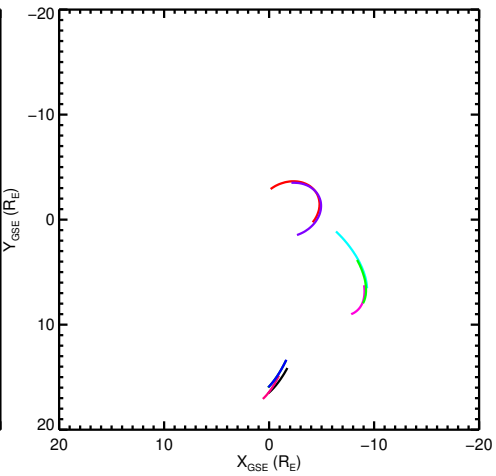


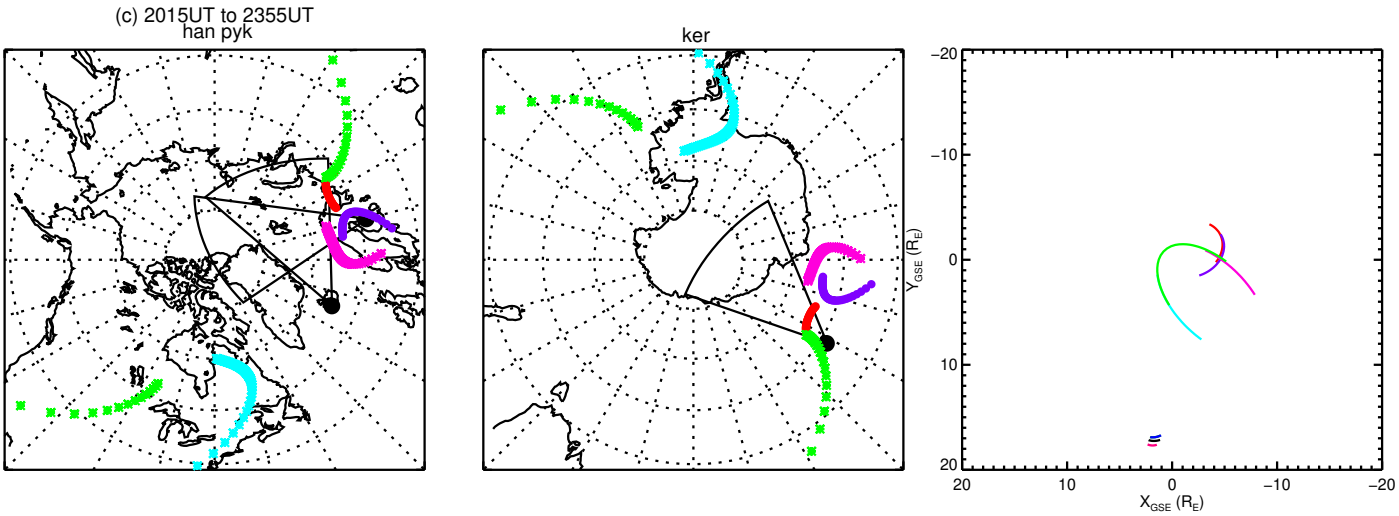
(b) 1115UT to 1710UT
ade adw cly cvw fhw hok kap ksr



tig unw



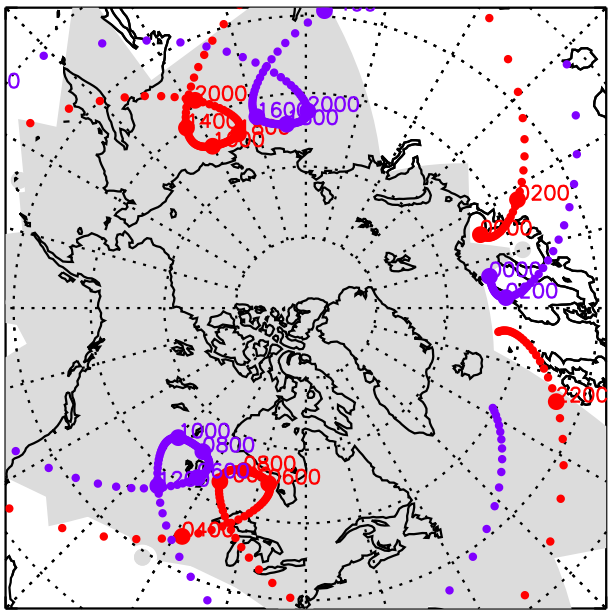


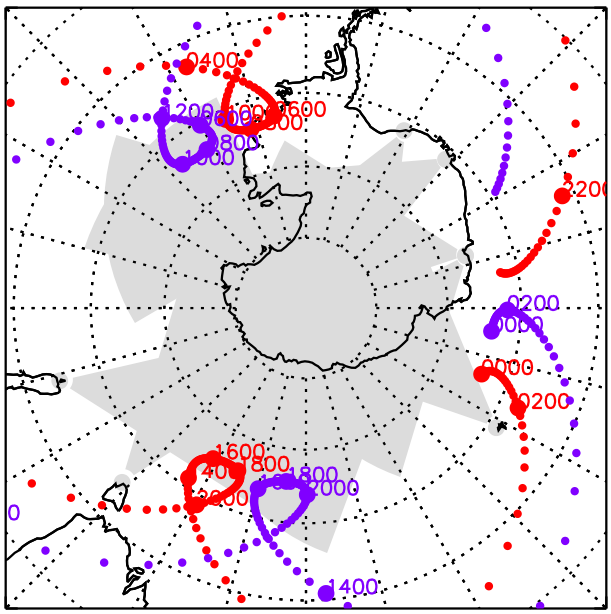

(c) 2015UT to 2355UT
han pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

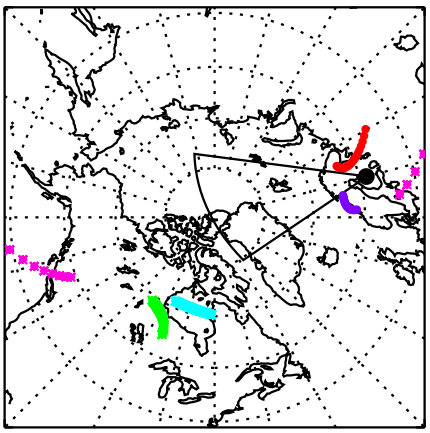
08–Dec–2014

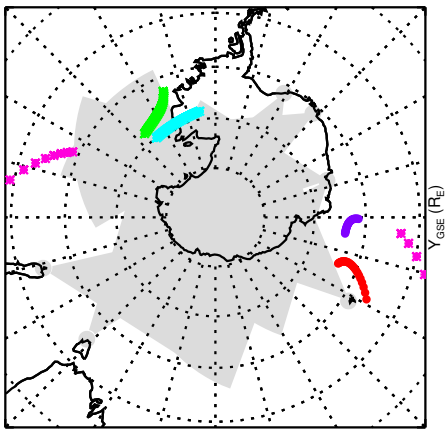
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

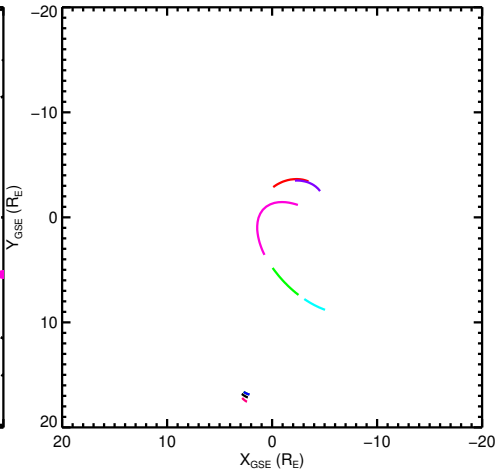




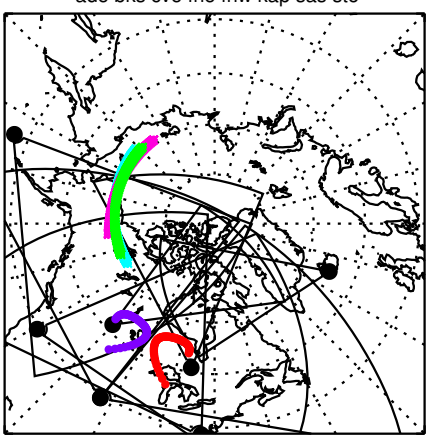
(a) 0000UT to 0210UT
han



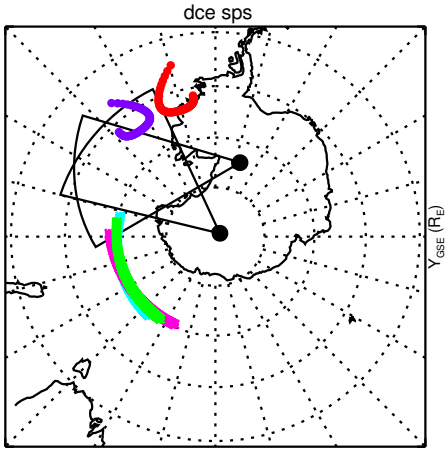


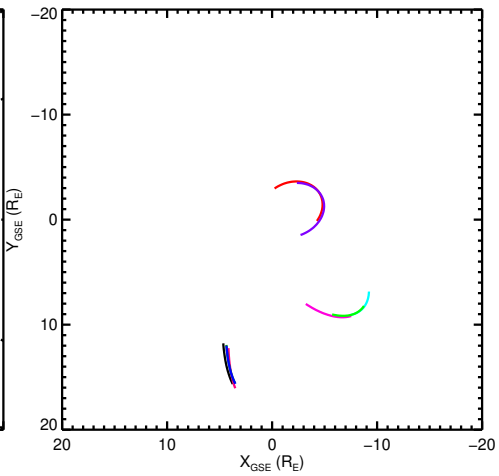


(b) 0520UT to 1105UT
ade bks cve fhe fhw kap sas sto

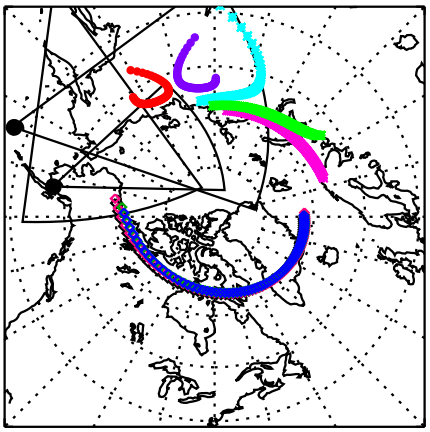


dce sps

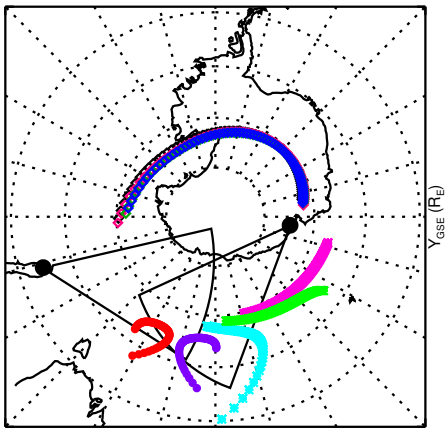


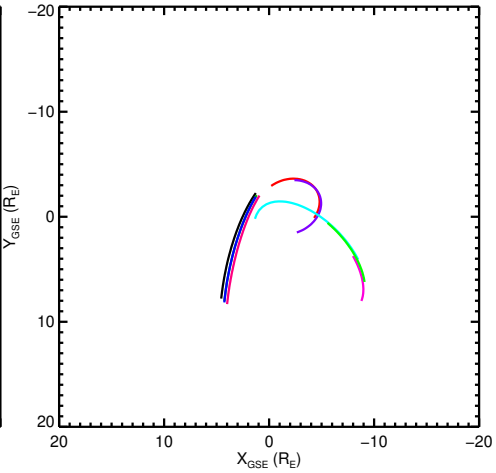


(c) 1420UT to 2005UT
adw hok ksr

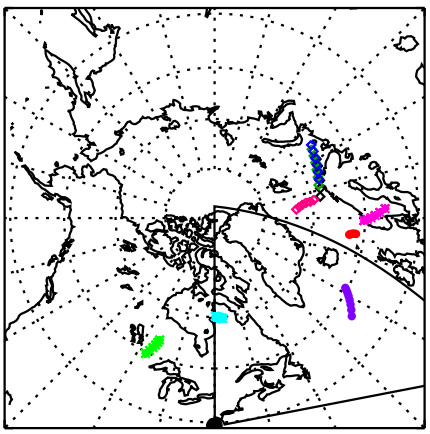


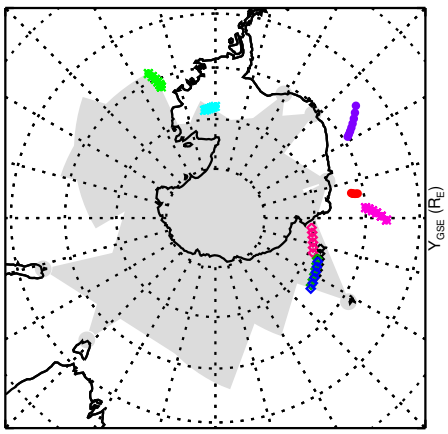
unw zho

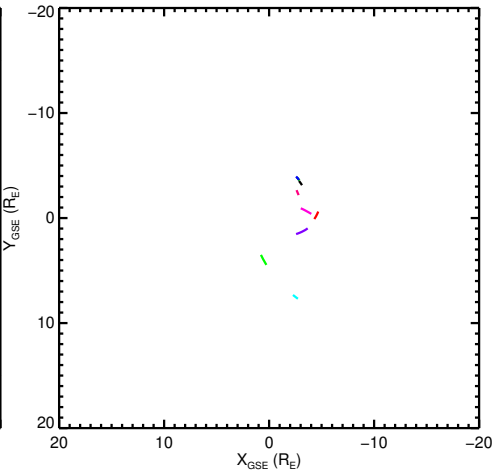




(d) 2320UT to 2355UT
wal



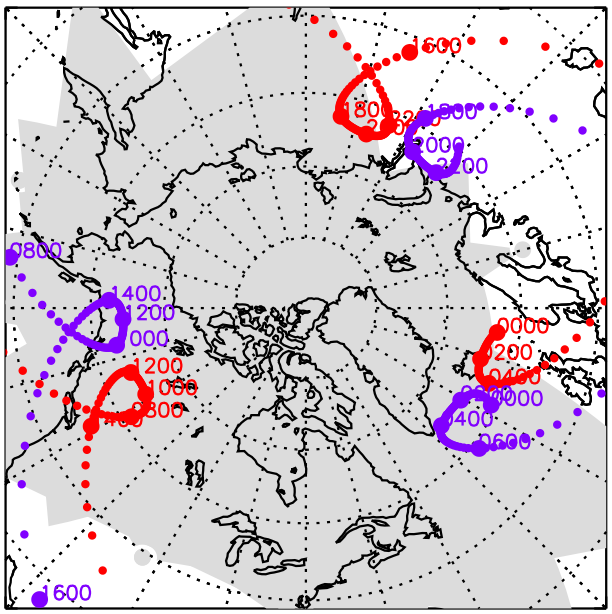


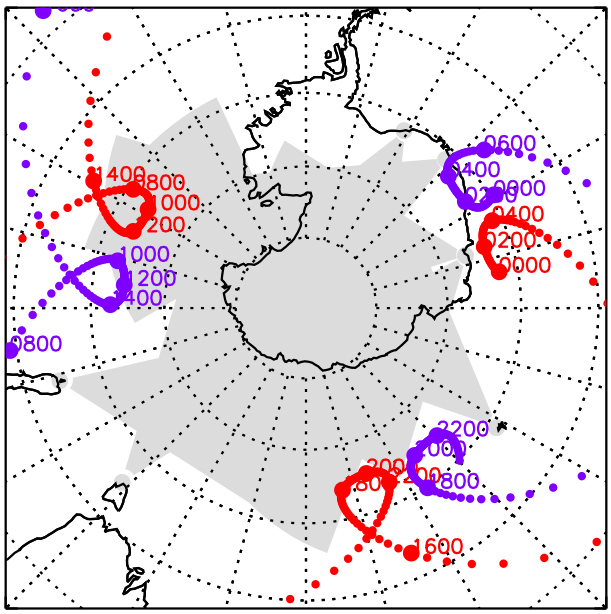


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

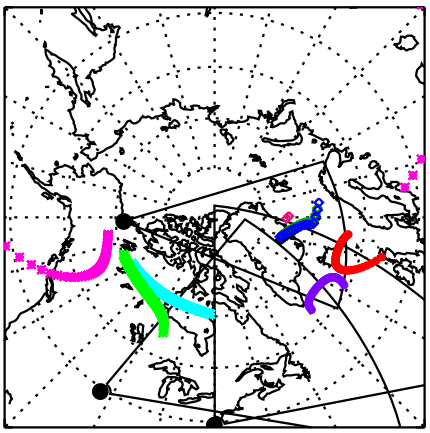
09–Dec–2014

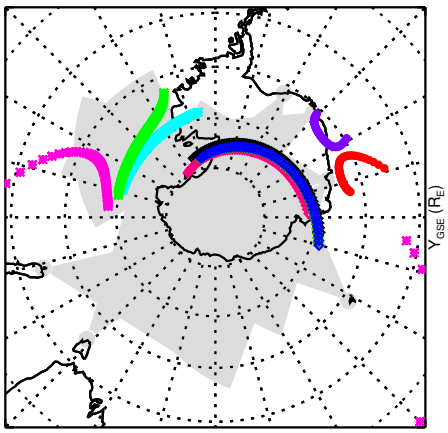
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

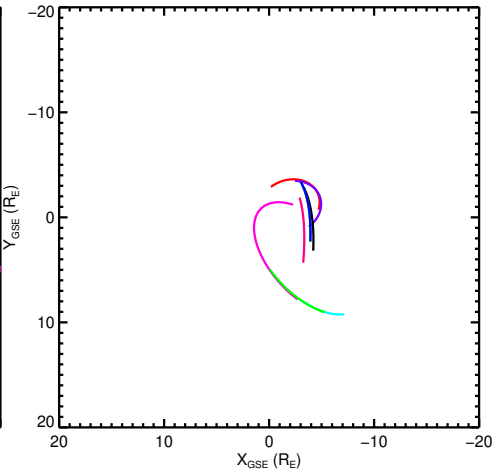




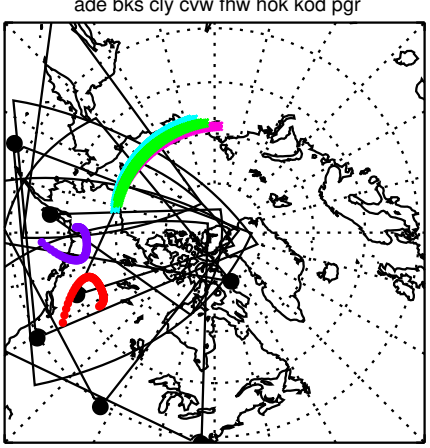
(a) 0000UT to 0505UT
fhe inv wal



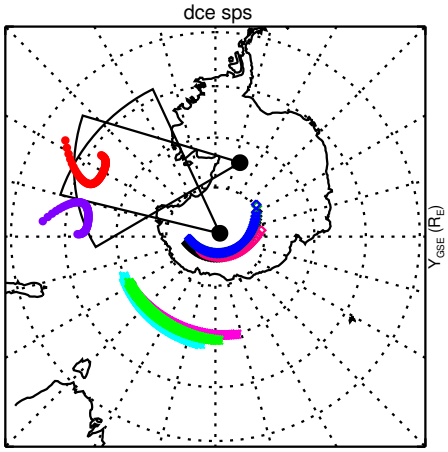


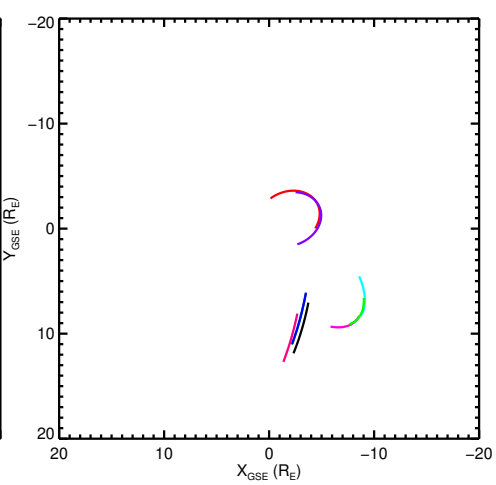


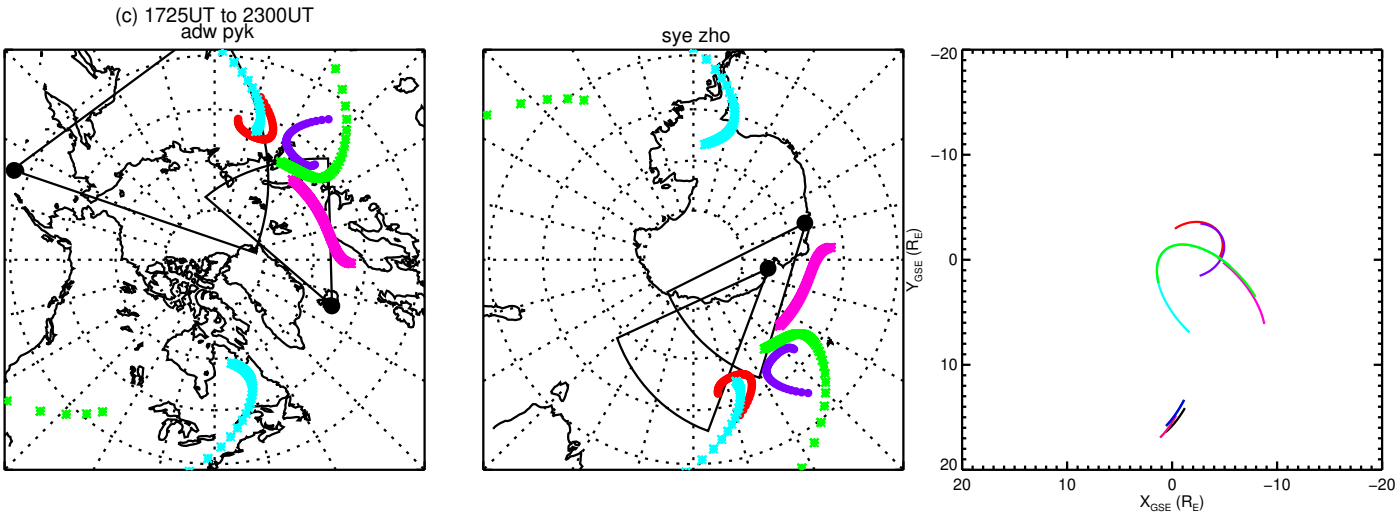
(b) 0825UT to 1405UT
ade bks cly cvw fhw hok kod pgr



dce sps



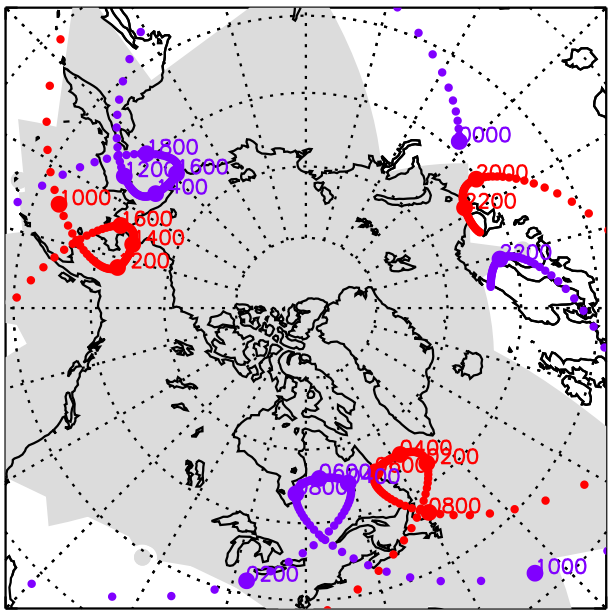


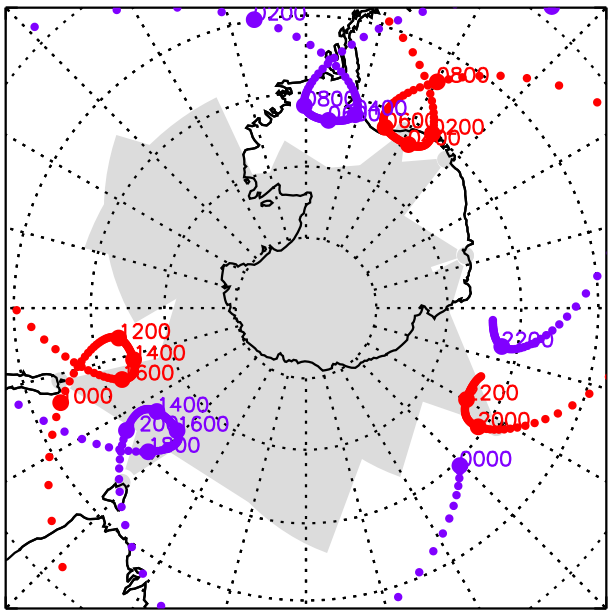

(c) 1725UT to 2300UT
adw pyk
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

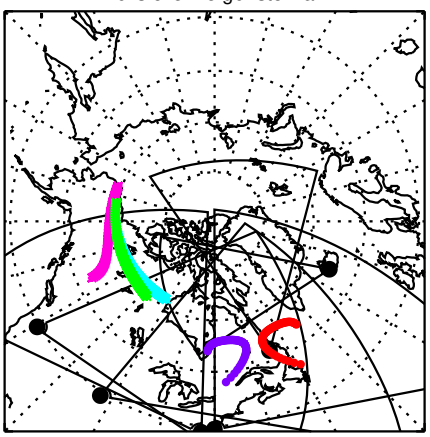
10–Dec–2014

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

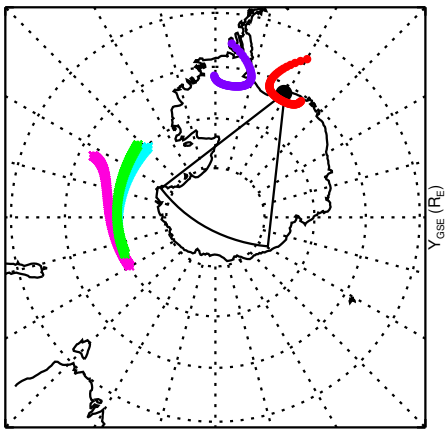


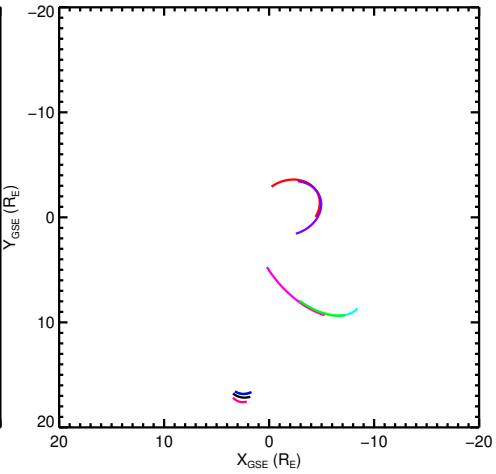


(a) 0225UT to 0800UT
bks cve fhe gbr sto wal

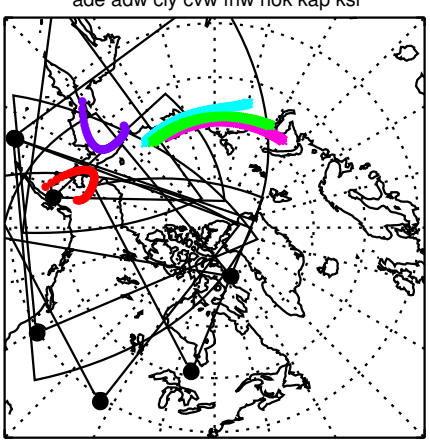


hal

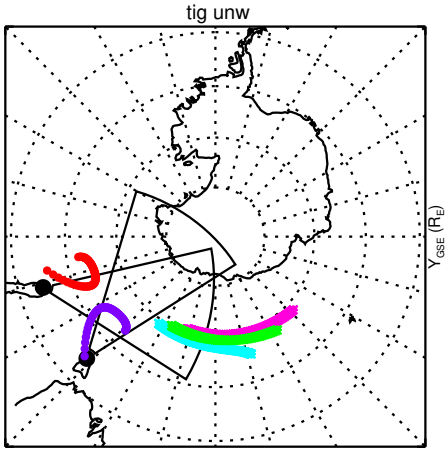


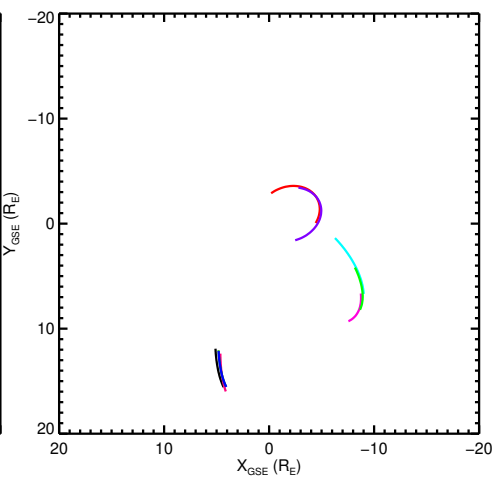


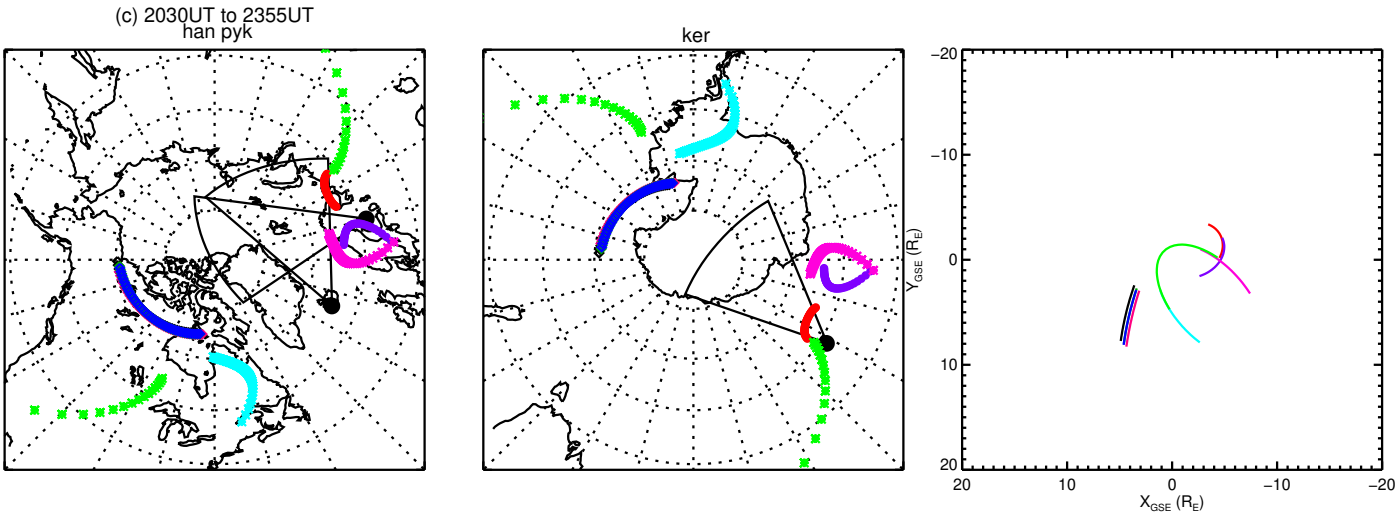
(b) 1125UT to 1700UT
ade adw cly cvw fhw hok kap ksr



tig unw



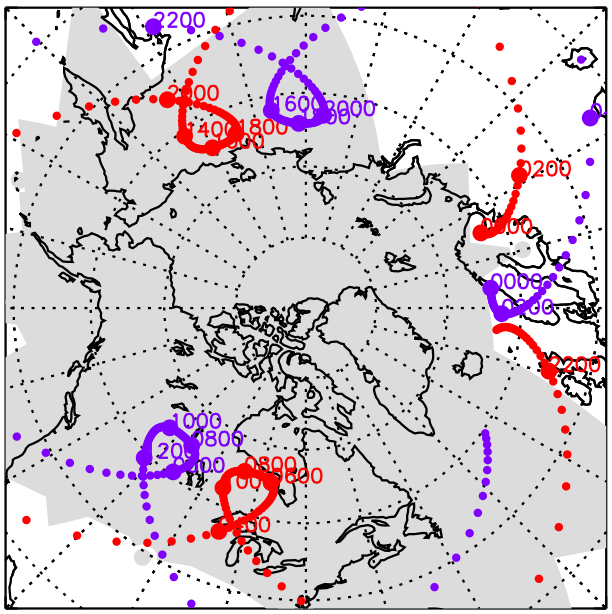


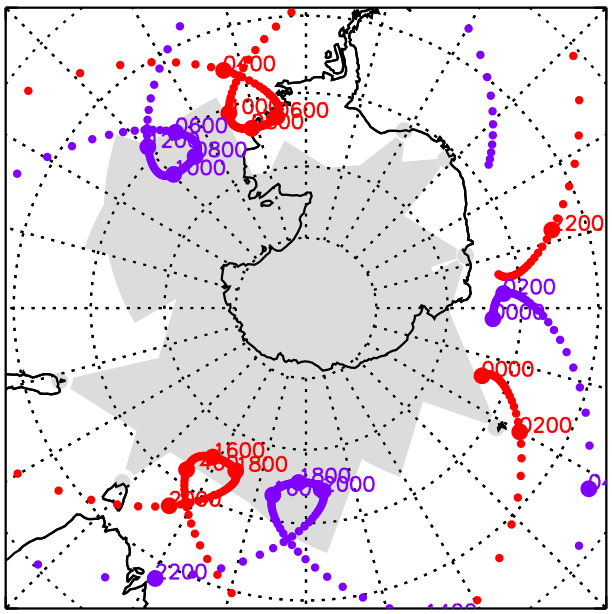

(c) 2030UT to 2355UT
han pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

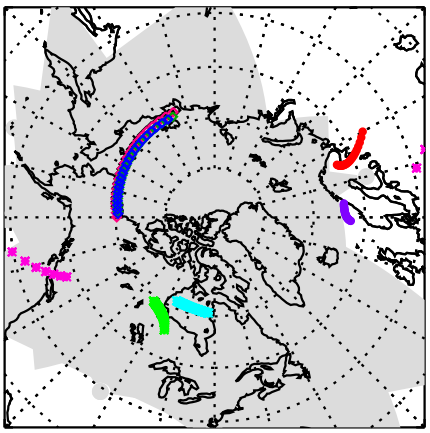
11–Dec–2014

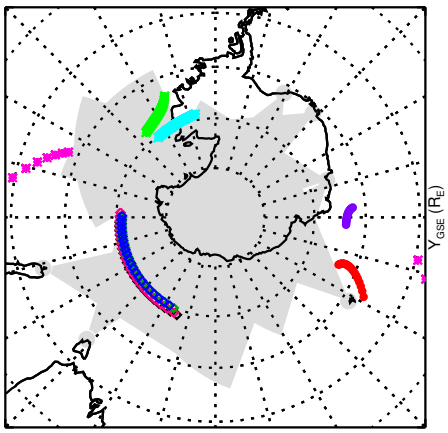
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

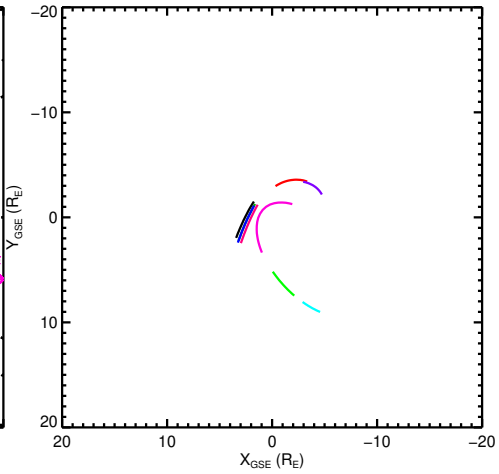




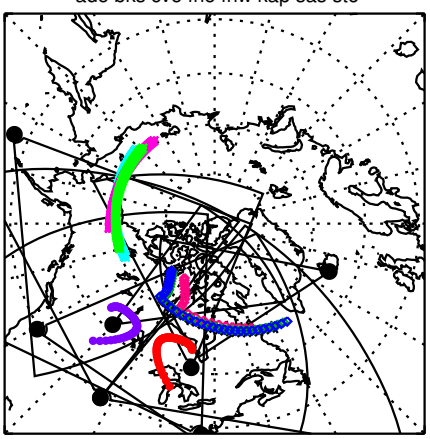
(a) 0000UT to 0155UT



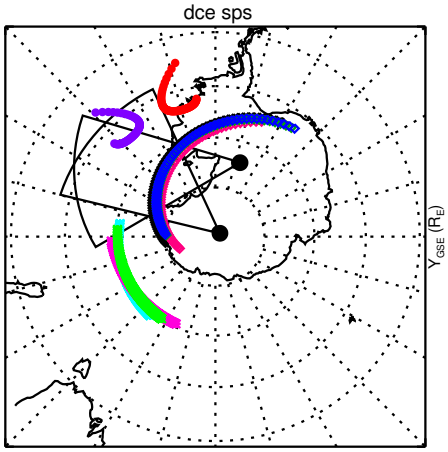


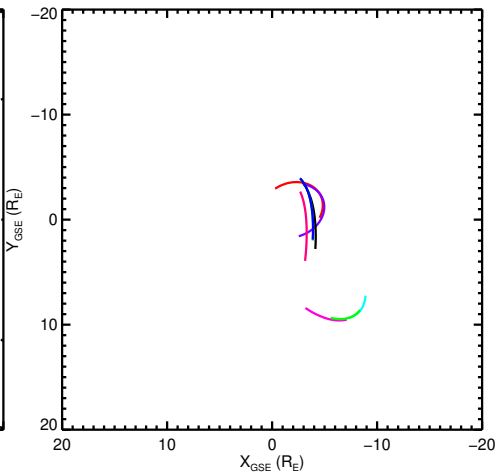


(b) 0530UT to 1055UT
ade bks cve fhe fhw kap sas sto

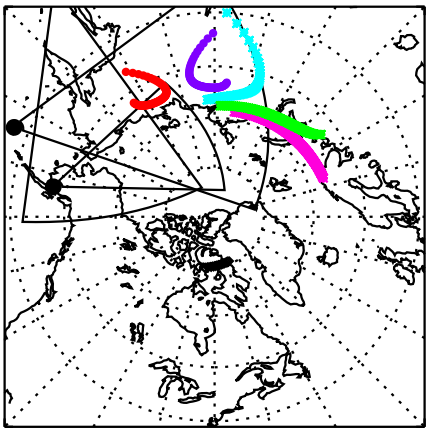


dce sps

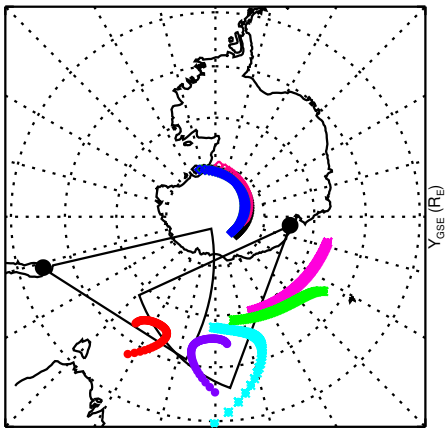


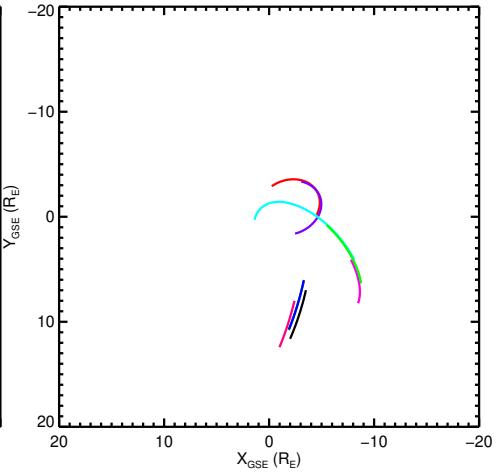


(c) 1430UT to 1955UT
adw hok ksr

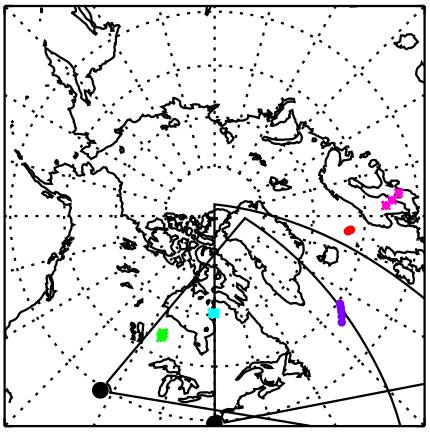


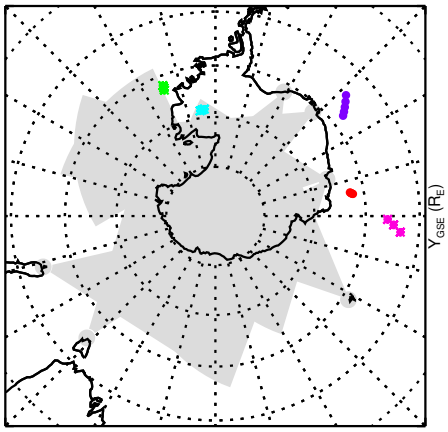
unw zho

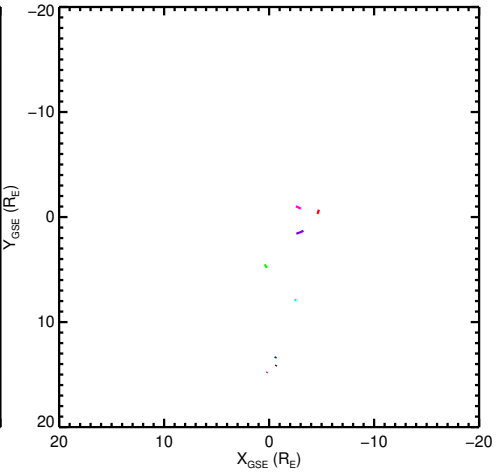




(d) 2335UT to 2355UT
fhe wal



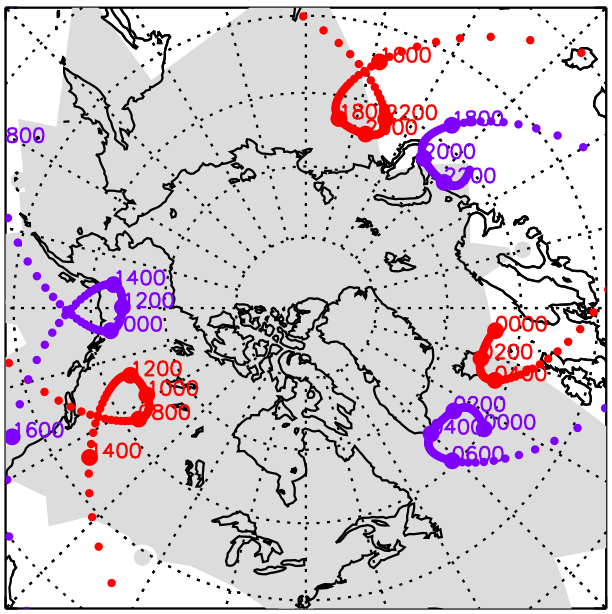


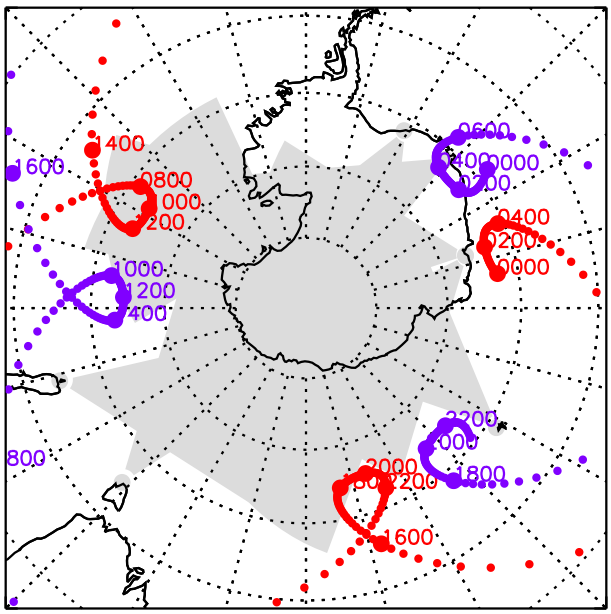


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

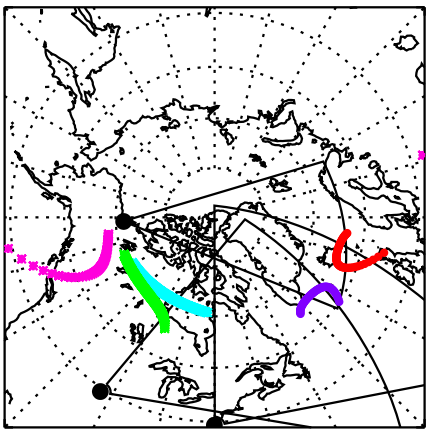
12–Dec–2014

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

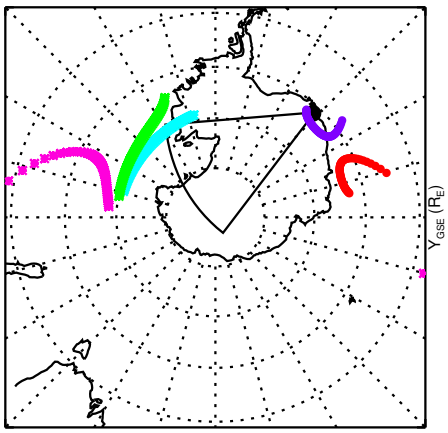


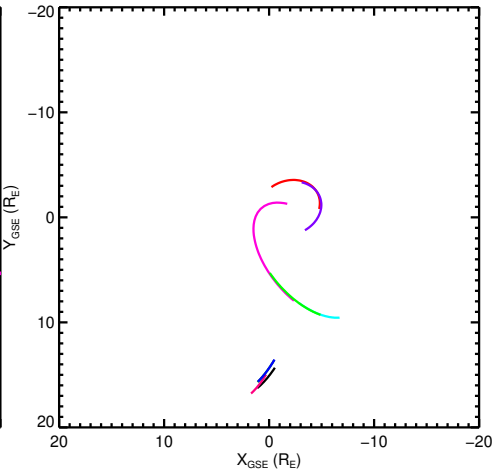


(a) 0000UT to 0455UT
fhe inv wal

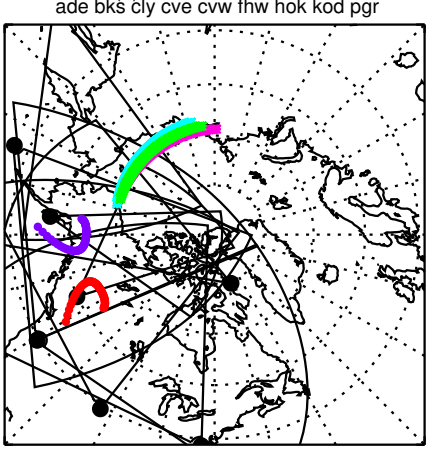


san

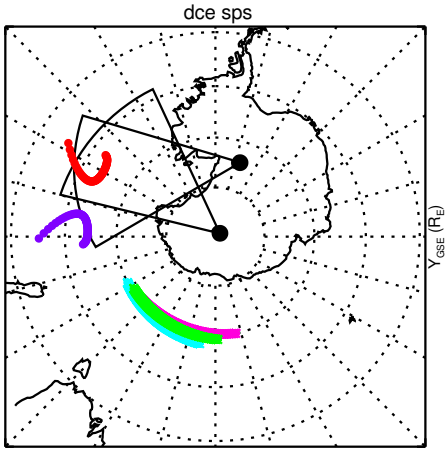


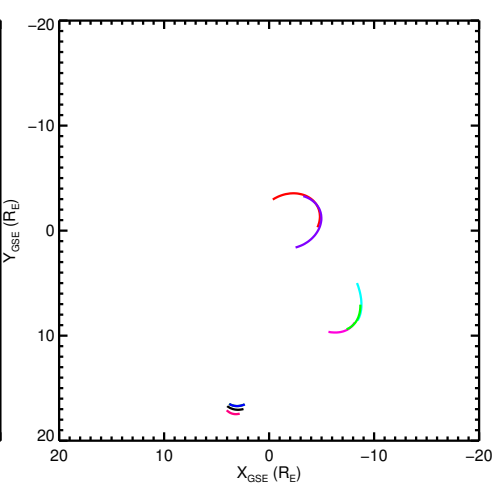


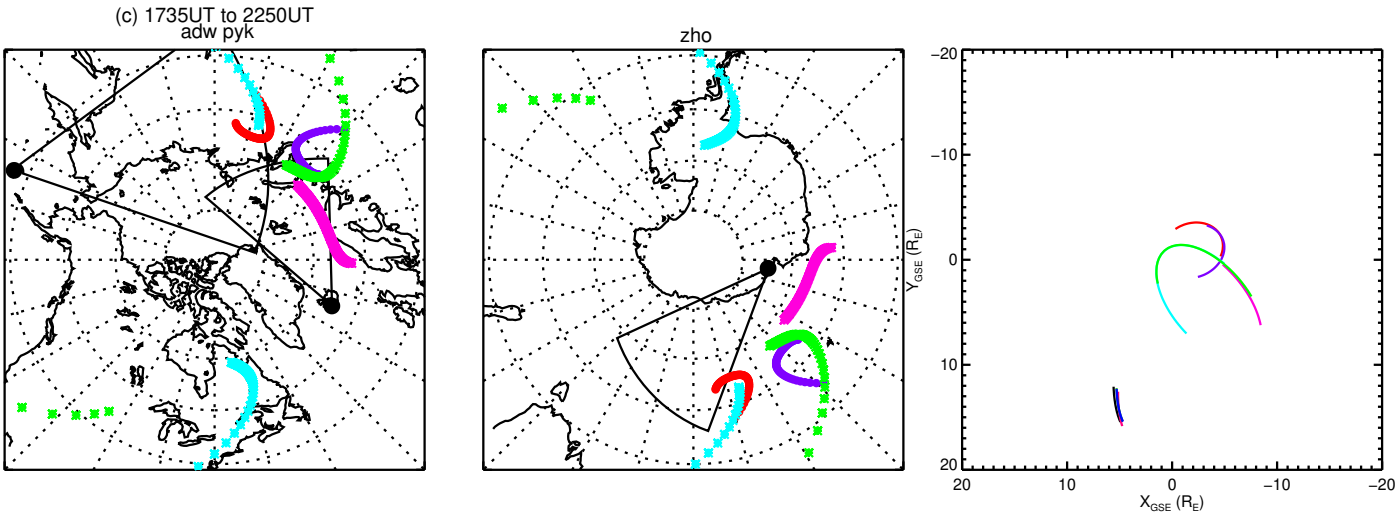
(b) 0835UT to 1350UT
ade bks cly cve cvw fhw hok kod pgr



dce sps



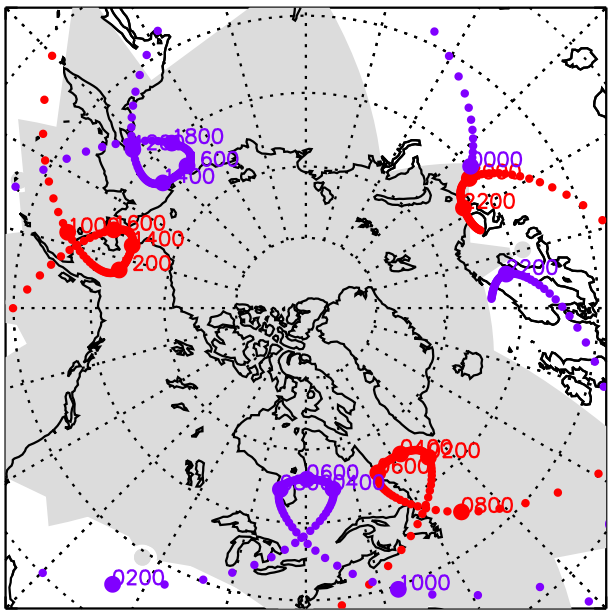


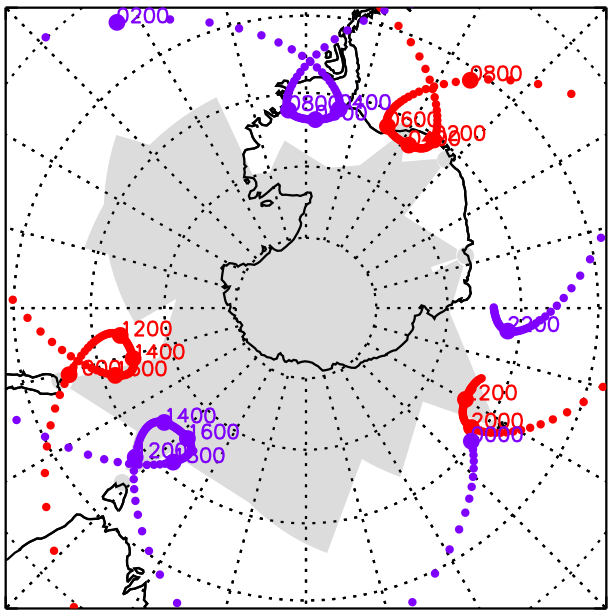

(c) 1735UT to 2250UT
adw pyk
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

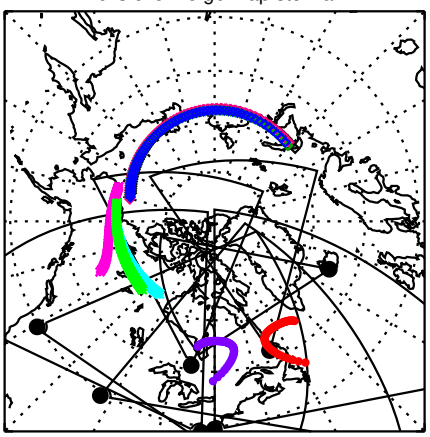
13–Dec–2014

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

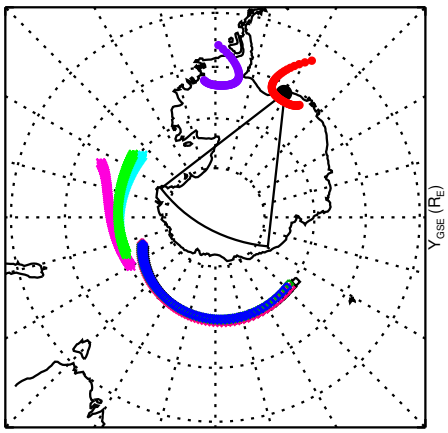


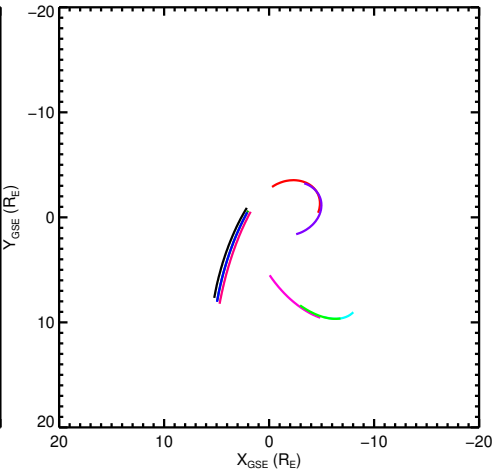


(a) 0240UT to 0750UT
bks cve fhe gbr kap sto wal

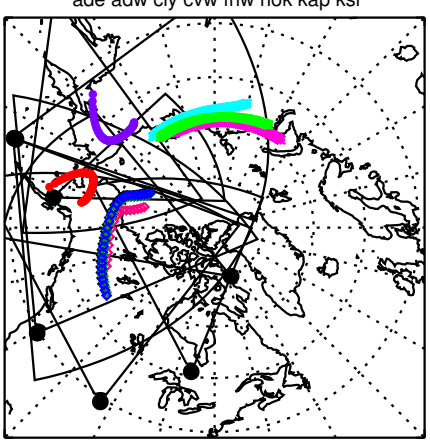


hal

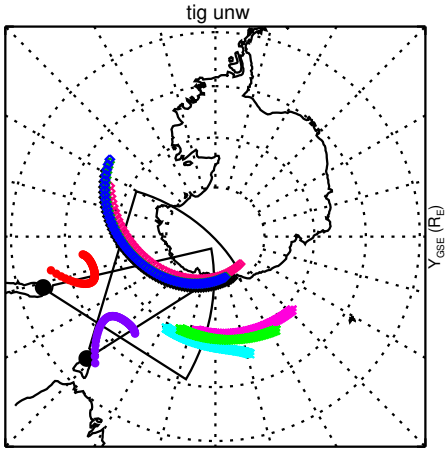


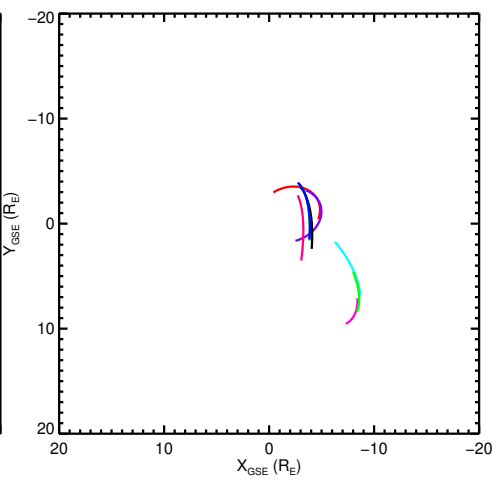


(b) 1140UT to 1645UT
ade adw cly cvw fhw hok kap ksr

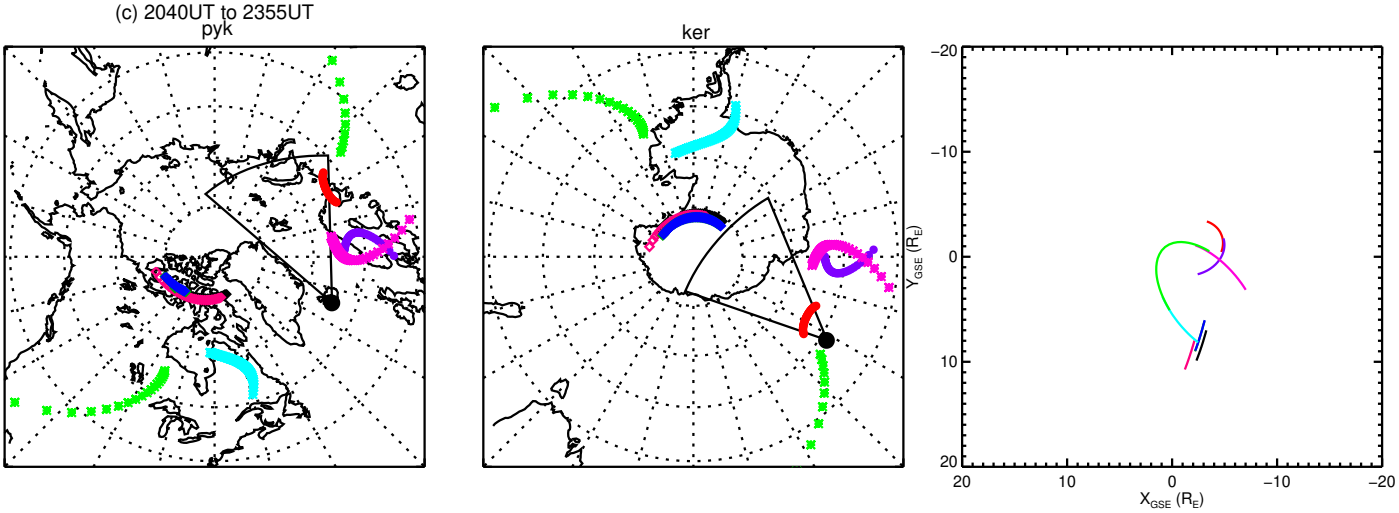


tig unw





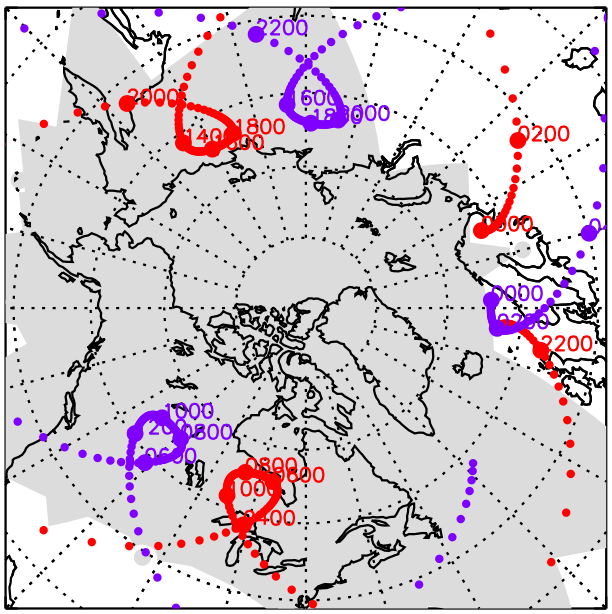
(c) 2040UT to 2355UT

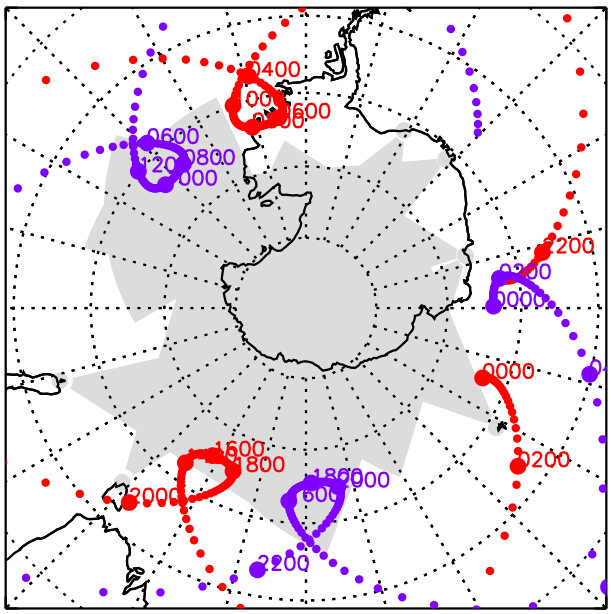


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

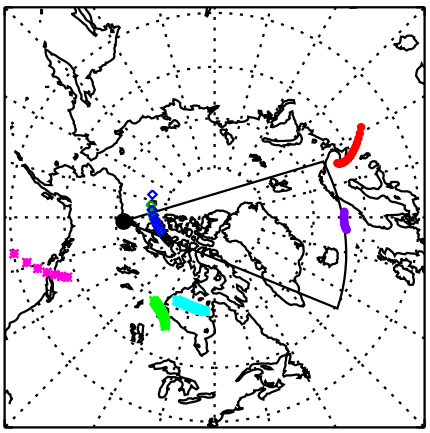
14–Dec–2014

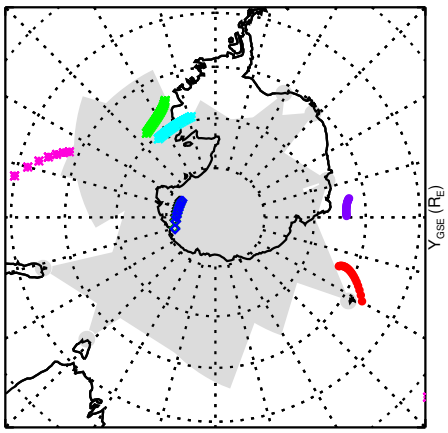
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

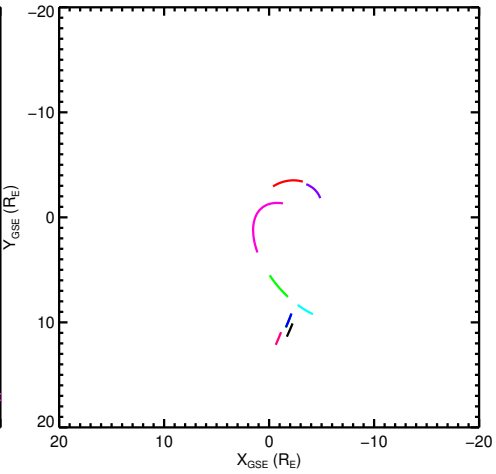




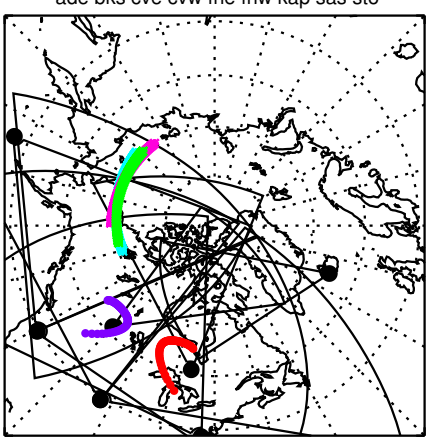
(a) 0000UT to 0145UT
inv



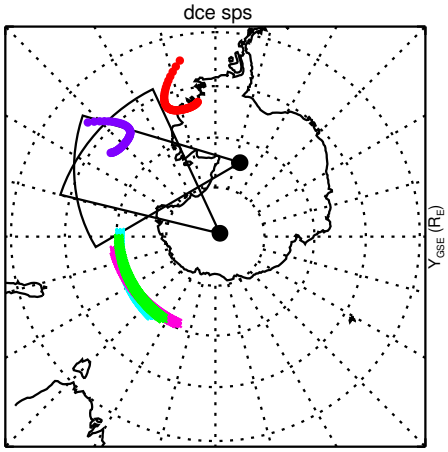


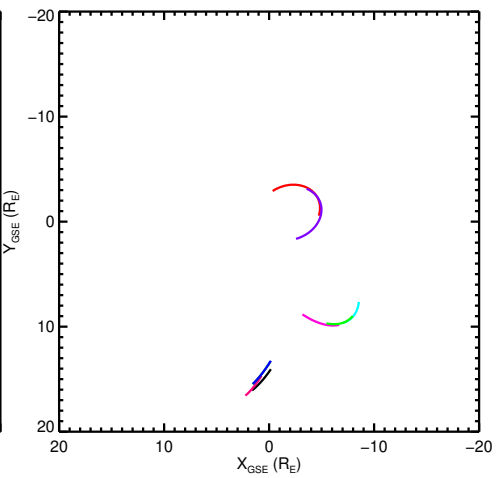


(b) 0545UT to 1045UT
ade bks cve cvw fhe fhw kap sas sto



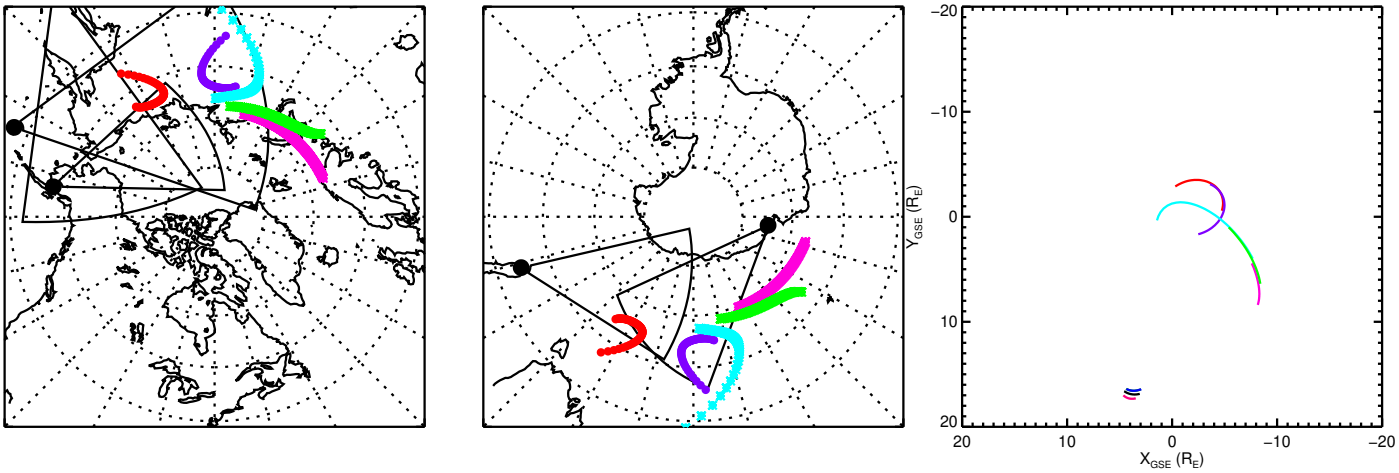
dce sps



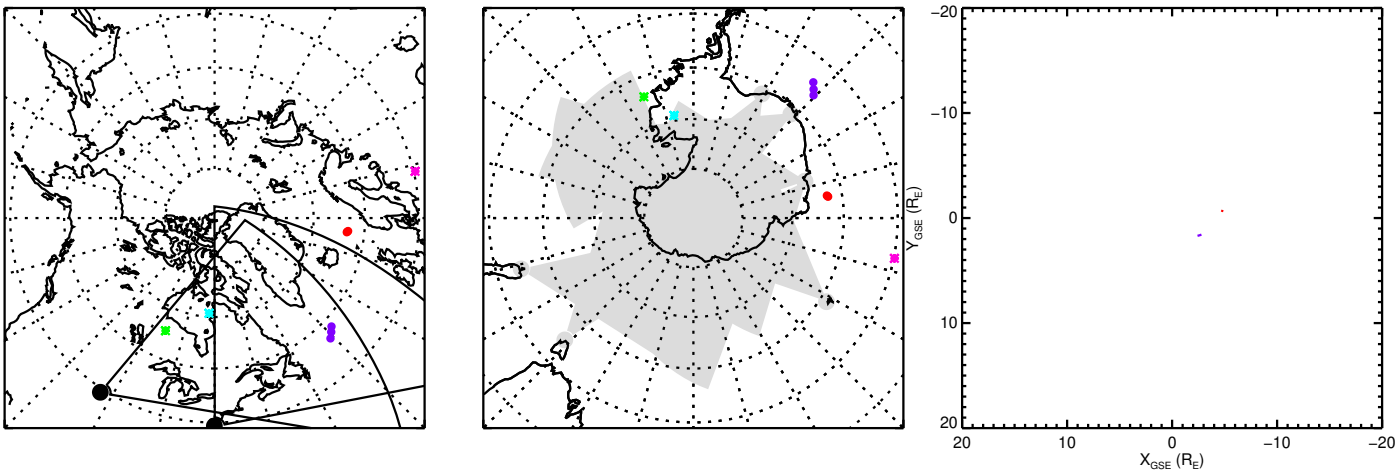


(c) 1445UT to 1945UT
adw hok ksr

unw zho



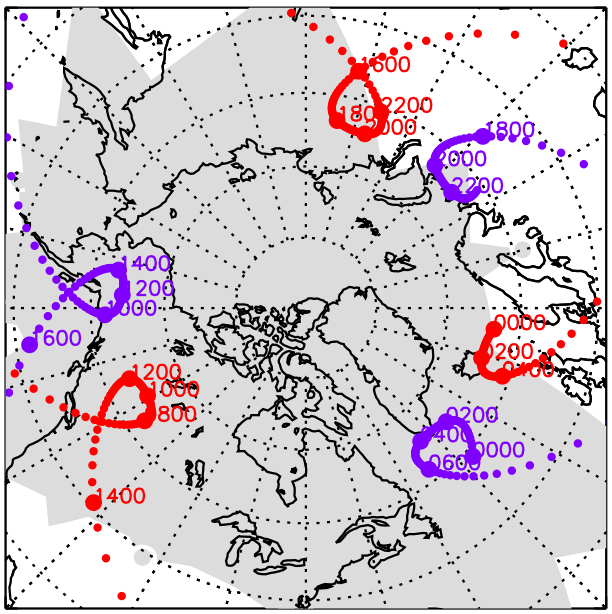
(d) 2345UT to 2355UT
fhe wal

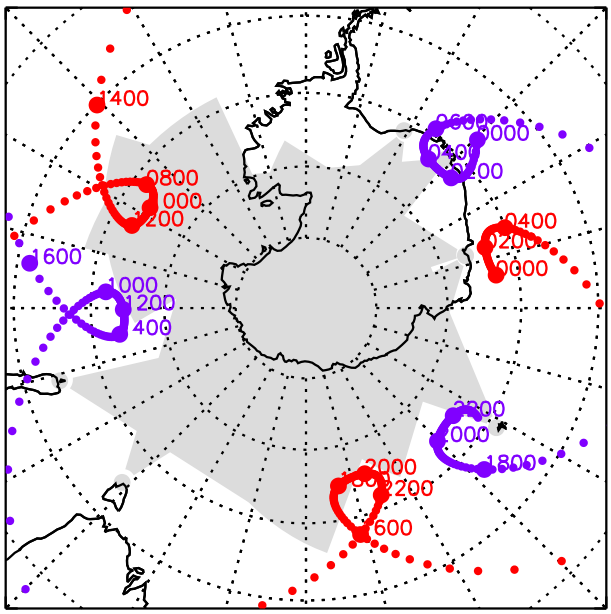


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

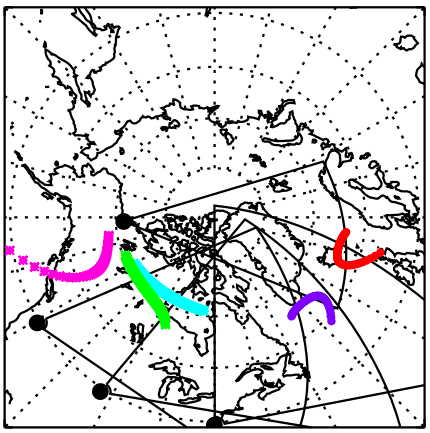
15–Dec–2014

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

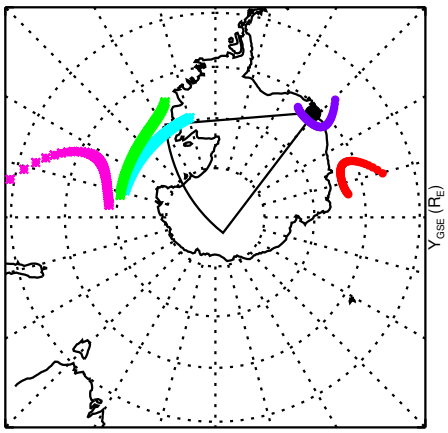


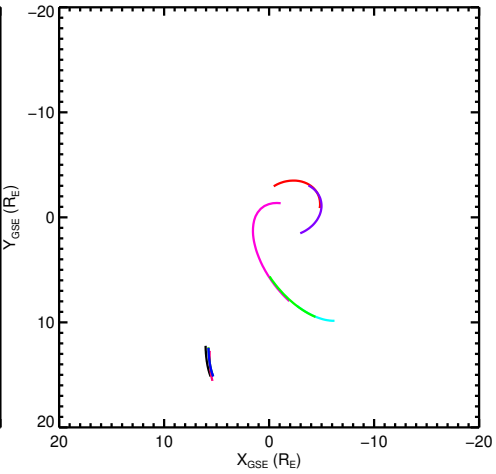


(a) 0000UT to 0440UT
cve fhe inv wal

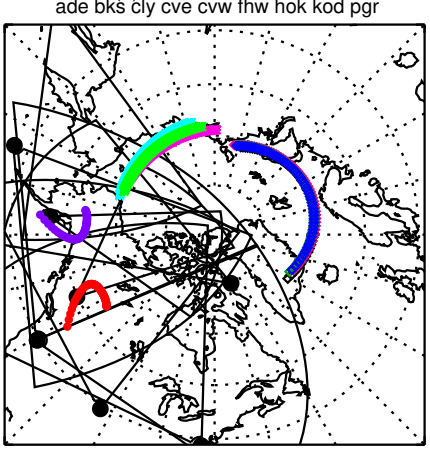


san

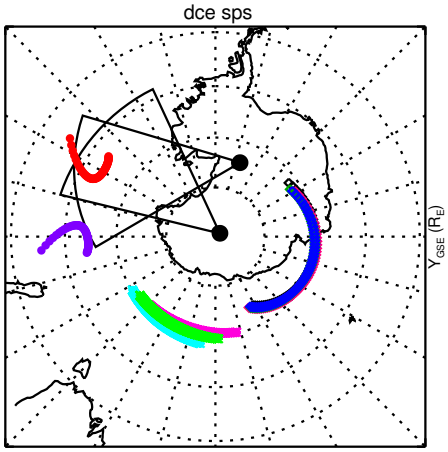


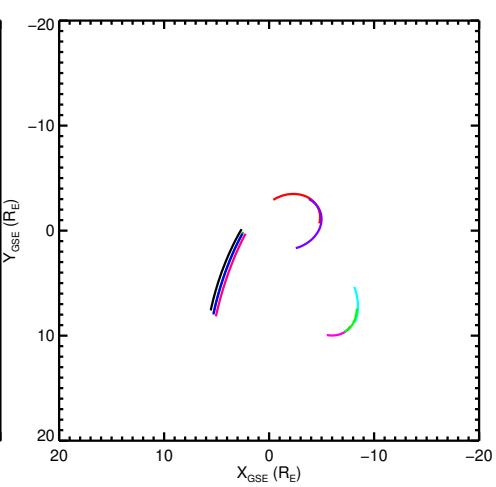


(b) 0850UT to 1340UT
ade bks cly cve cvw fhw hok kod pgr

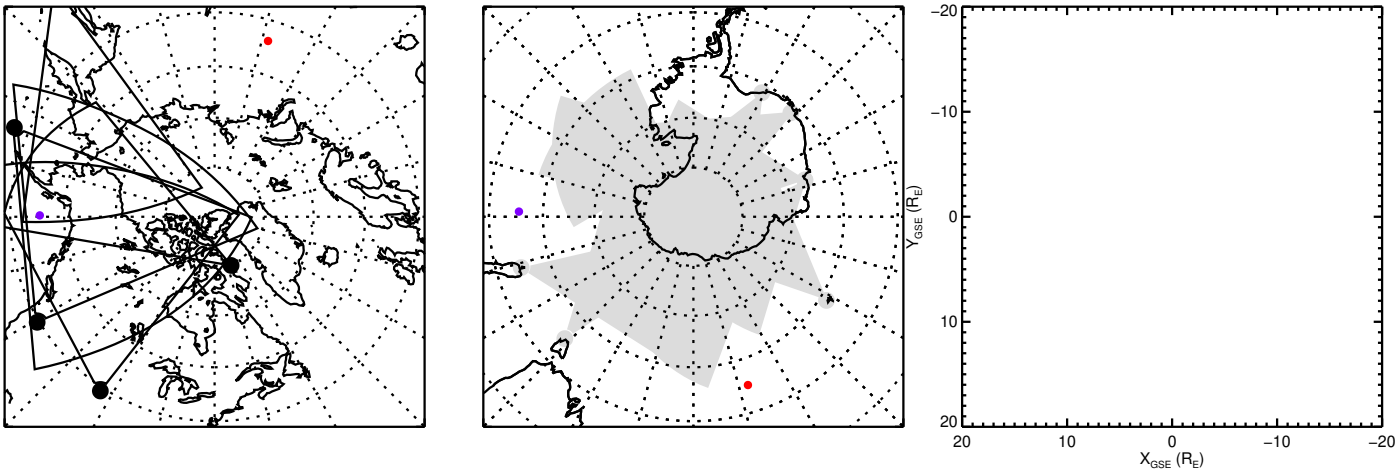


dce sps



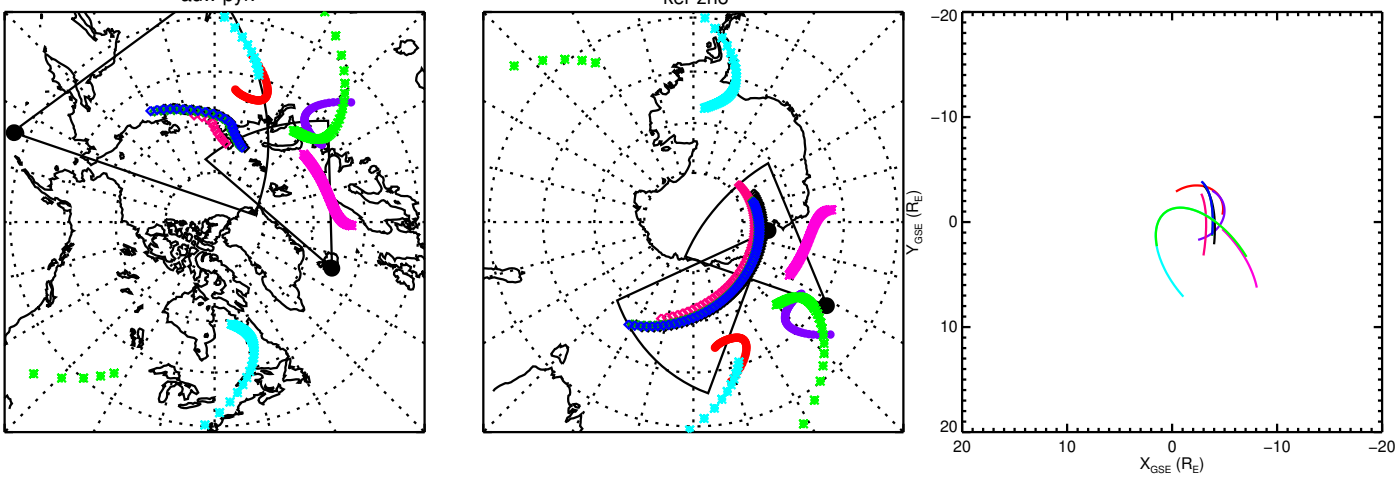


(c) 1545UT to 1545UT
ade cly cvw fhw hok



(d) 1750UT to 2240UT
adw pyk

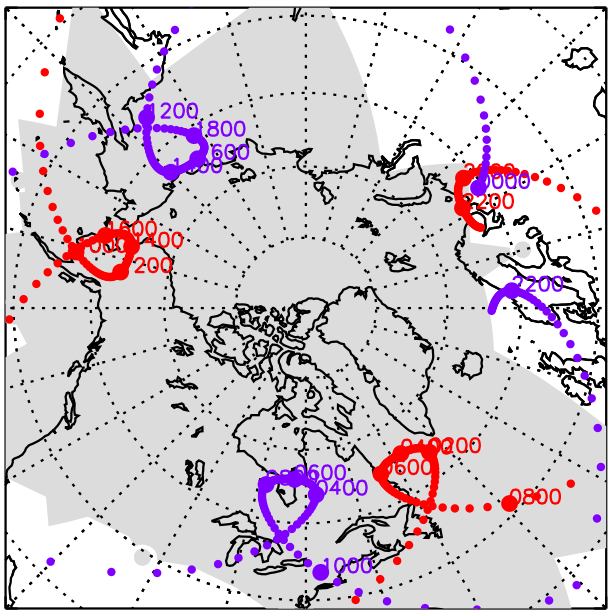
ker zho

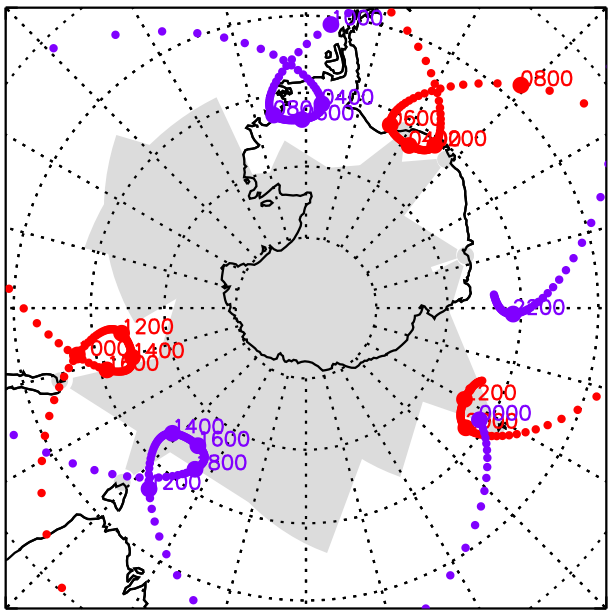


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

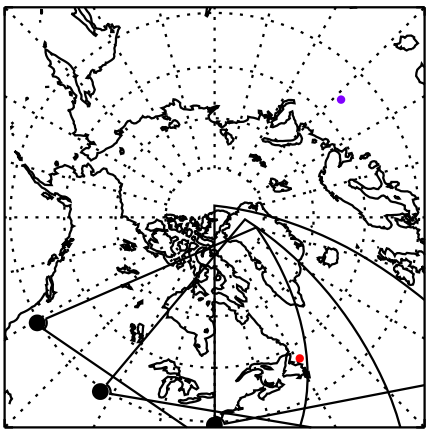
16–Dec–2014

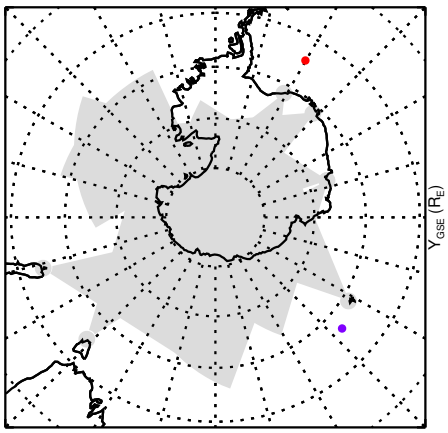
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

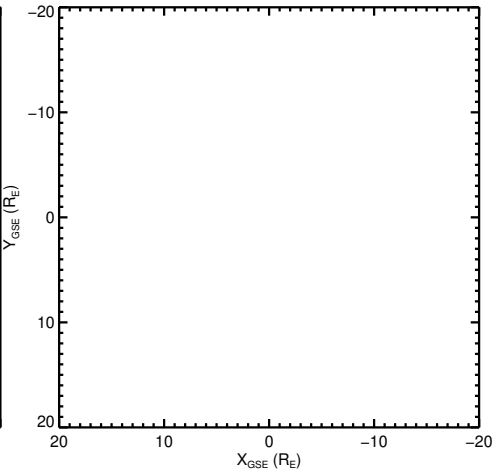




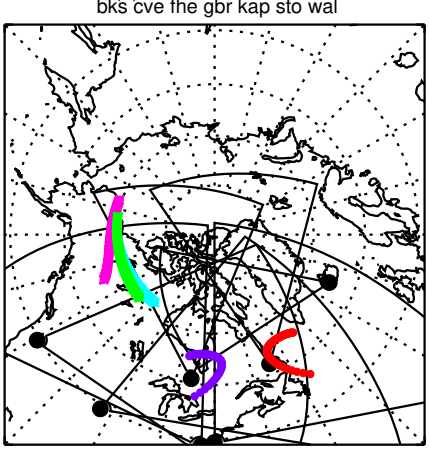
(a) 0045UT to 0045UT
cve fhe wal



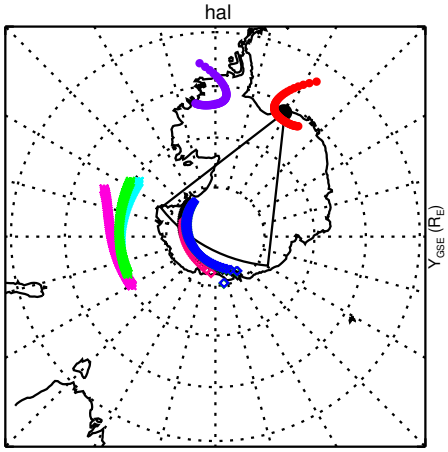


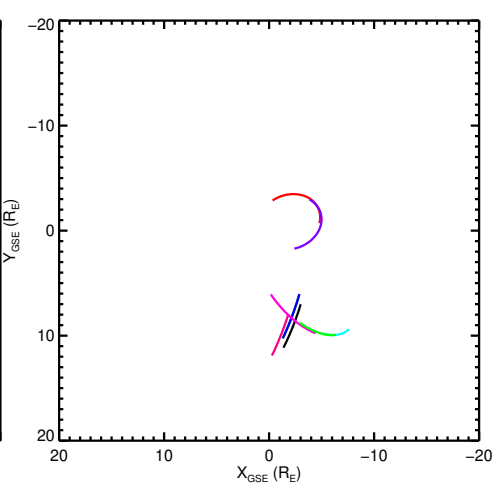


(b) 0250UT to 0740UT
bks cve fhe gbr kap sto wal

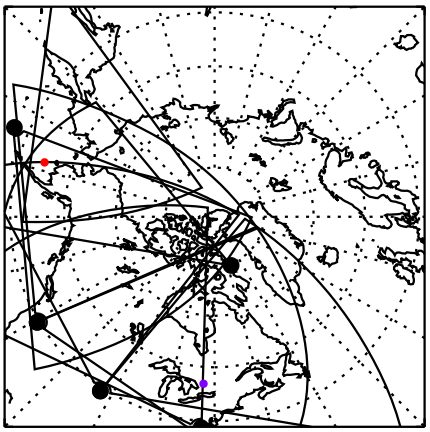


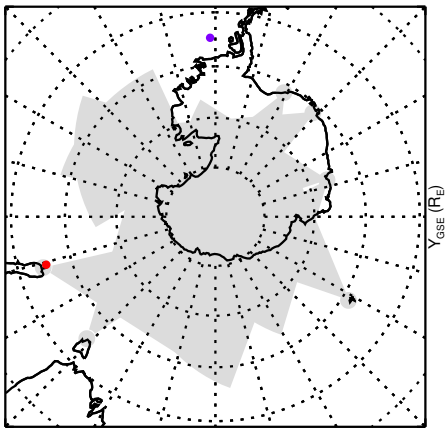
hal

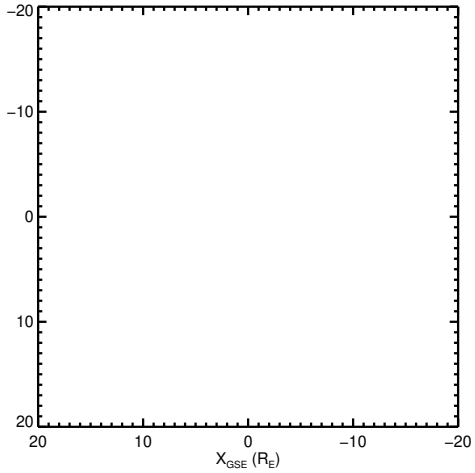




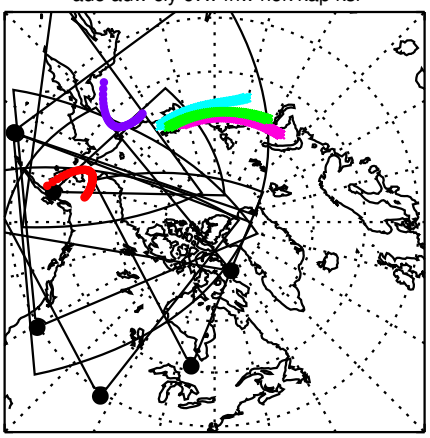
(c) 0945UT to 0945UT
ade bks cly cve cvw fhe fhw hok



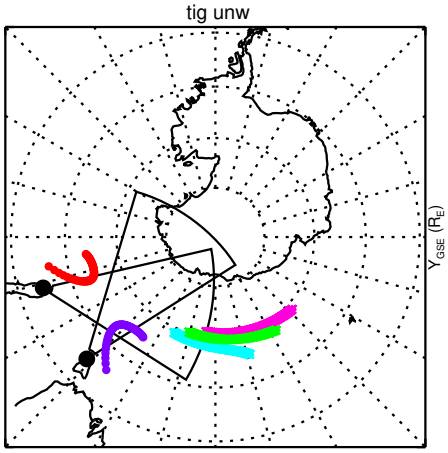


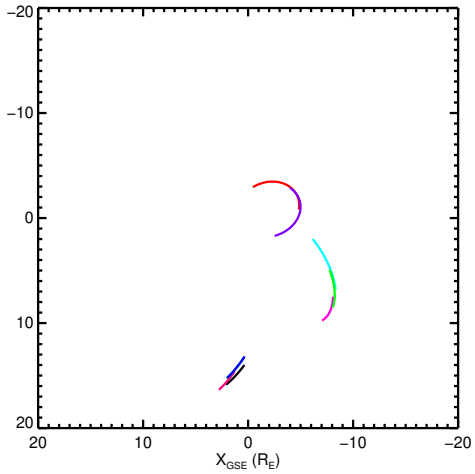


(d) 1155UT to 1635UT
ade adw cly cvw fhw hok kap ksr

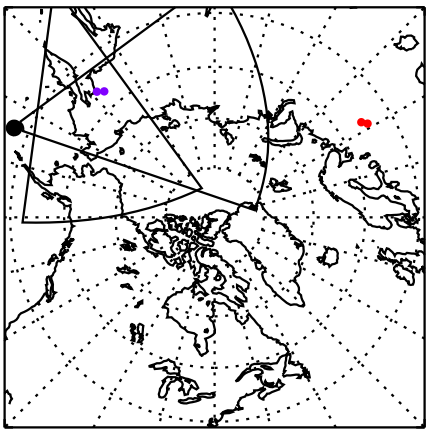


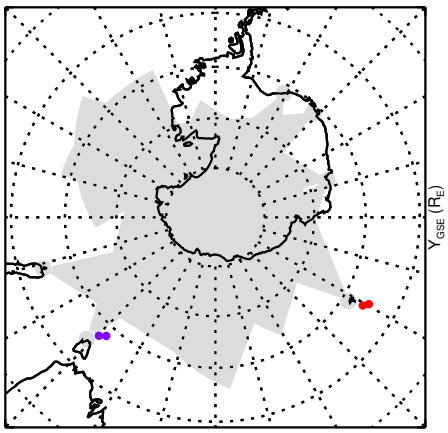
tig unw

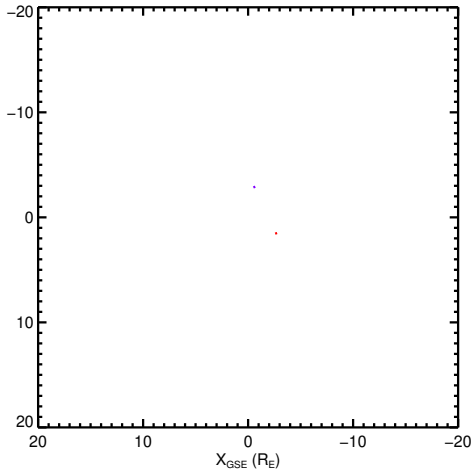




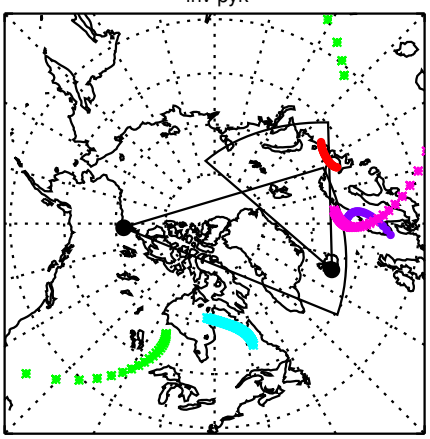
(e) 1845UT to 1850UT
adw hok



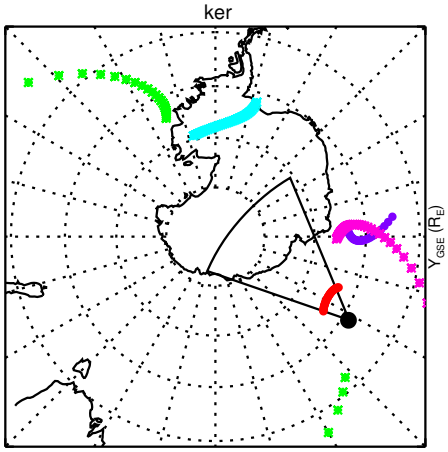


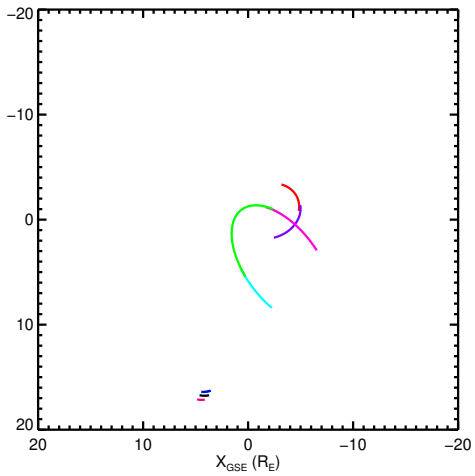


(f) 2055UT to 2355UT
inv pyk



ker

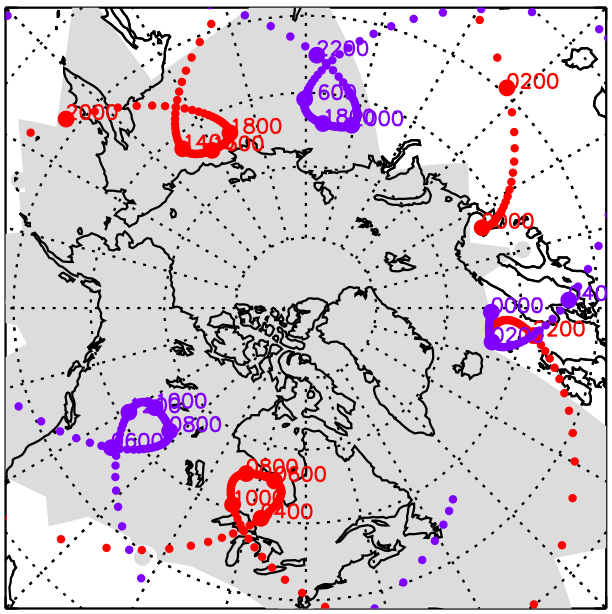


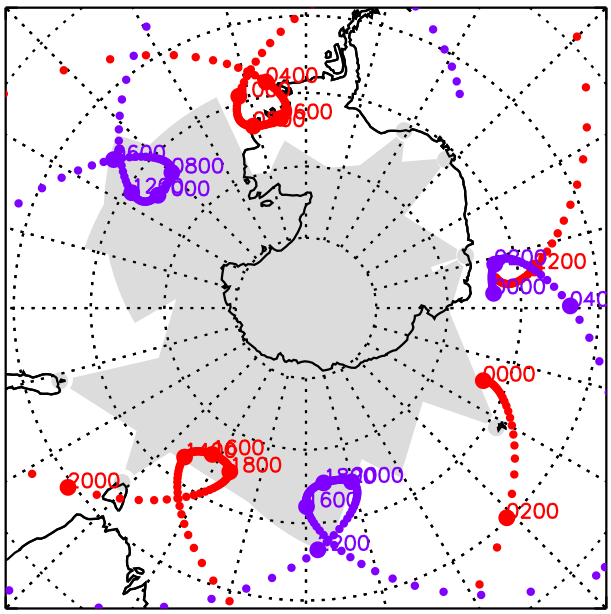


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

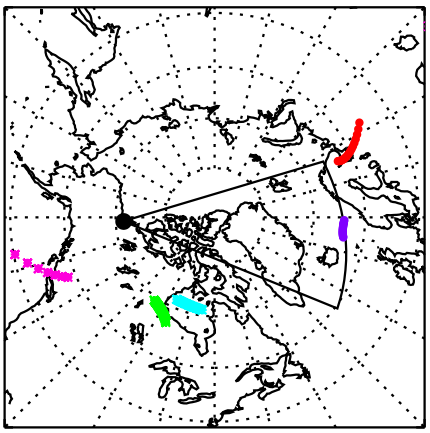
17−Dec−2014

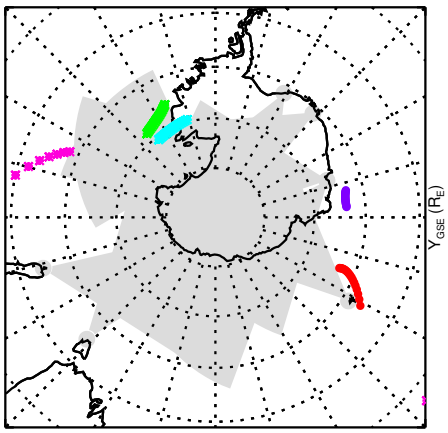
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

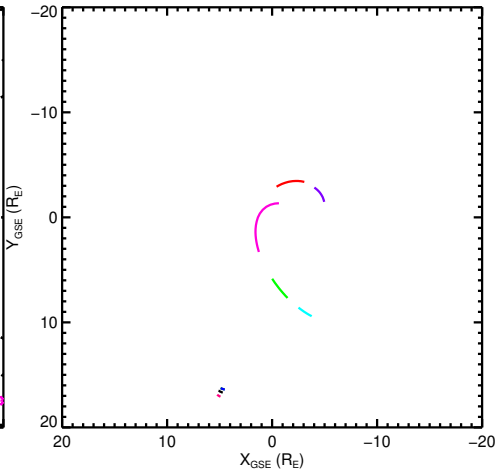




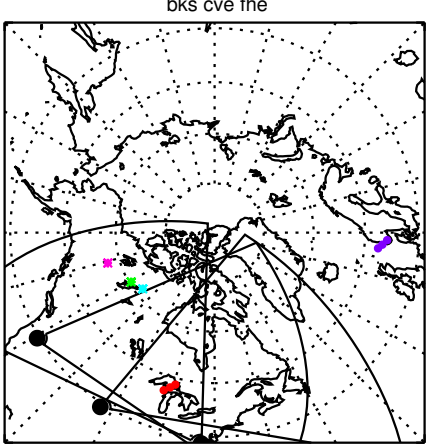
(a) 0000UT to 0135UT
inv

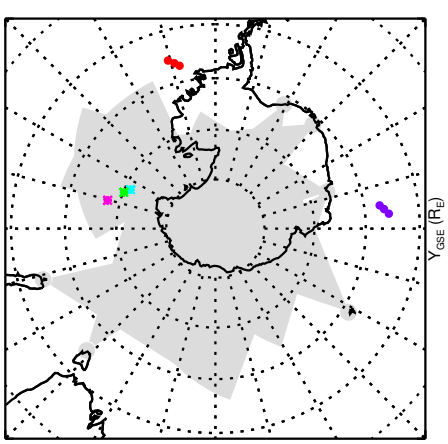


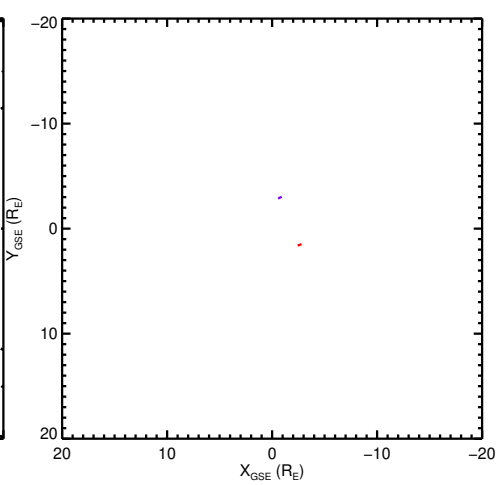




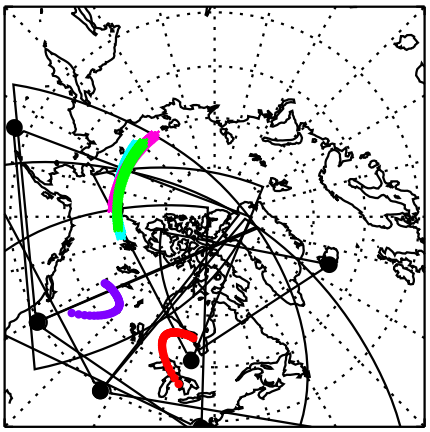
(b) 0340UT to 0350UT
bks cve fhe



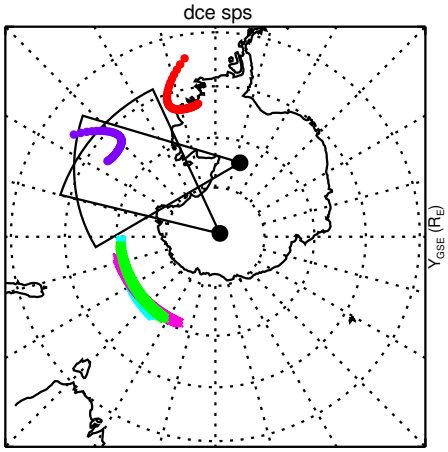


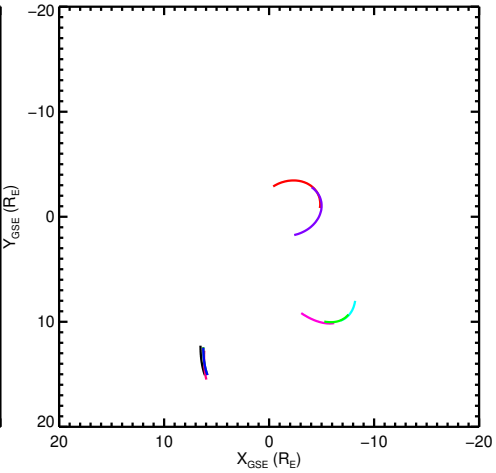


(c) 0555UT to 1035UT
ade bks cve cvw fhe fhw kap sto

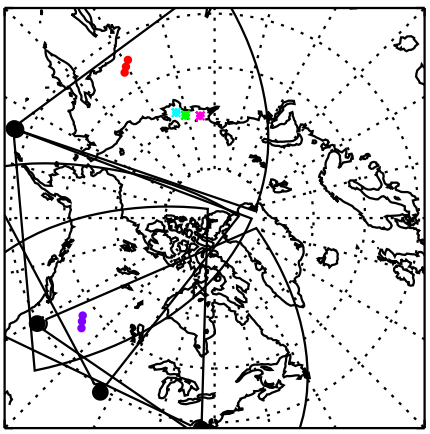


dce sps

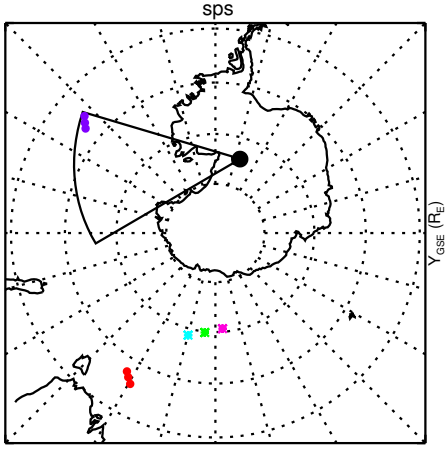


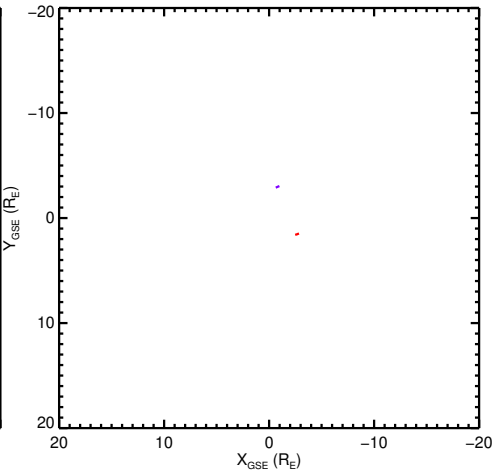


(d) 1240UT to 1250UT
ade adw bks cve fhw

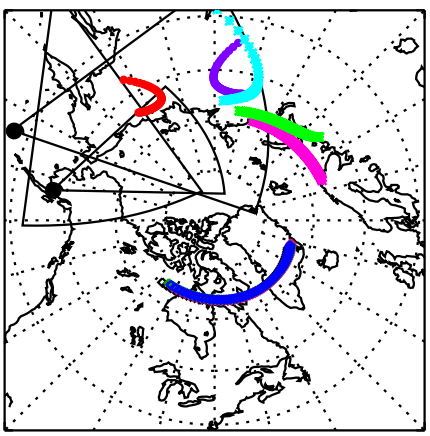


sps

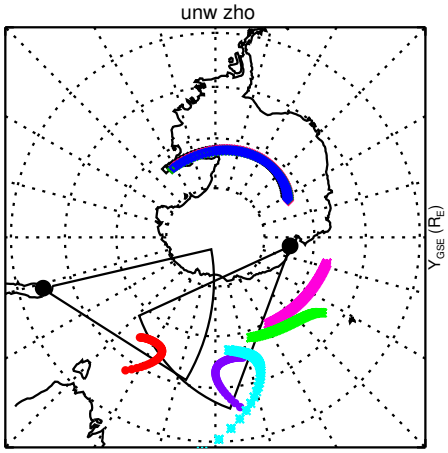


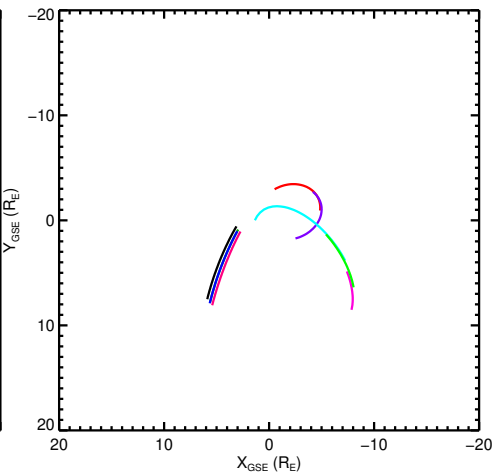


(e) 1500UT to 1930UT
adw hok ksr

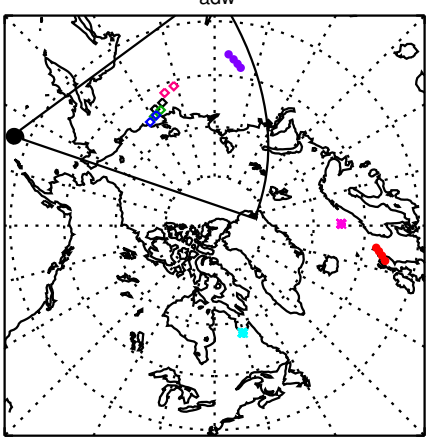


unw zho

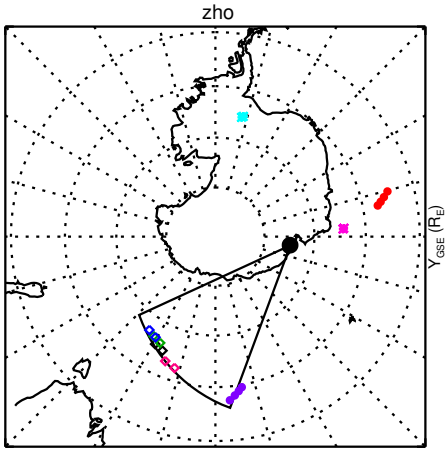


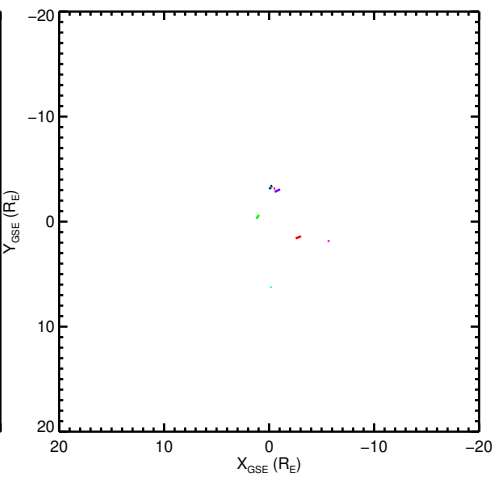


(f) 2140UT to 2155UT
adw



zho

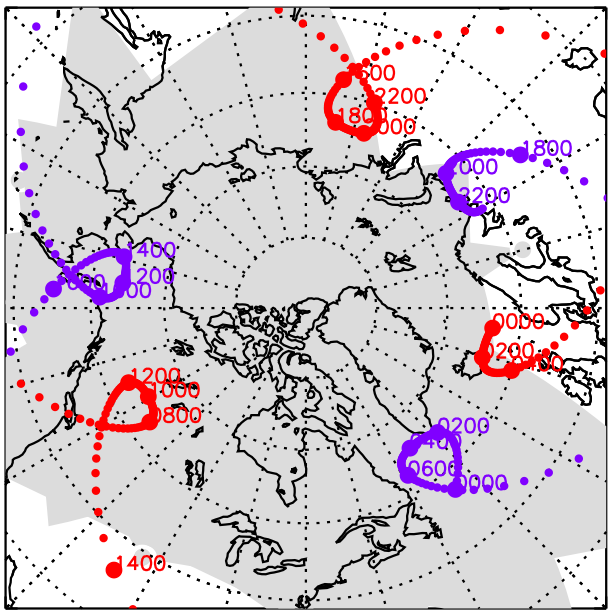


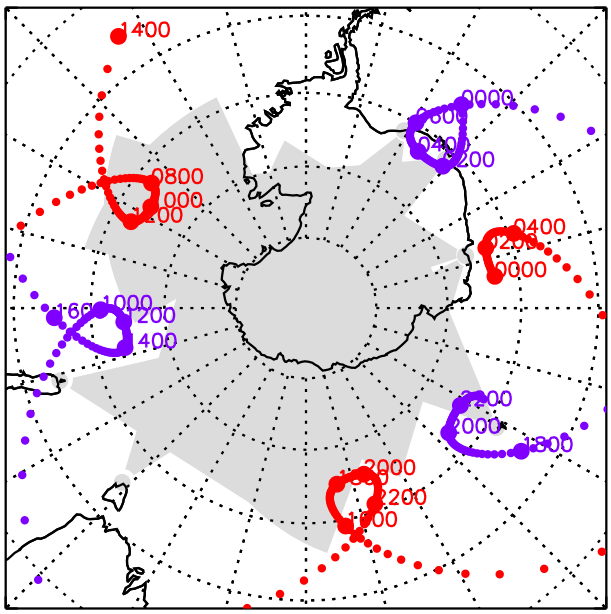


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

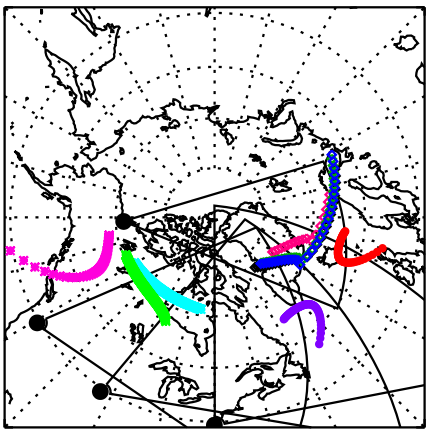
18–Dec–2014

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

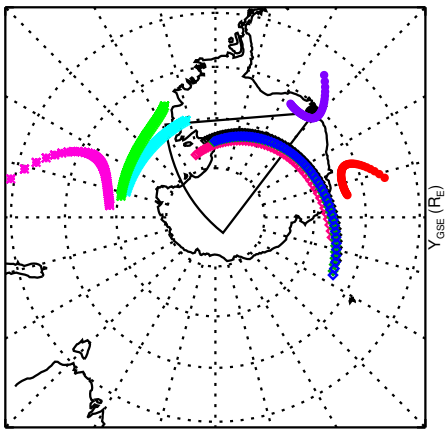


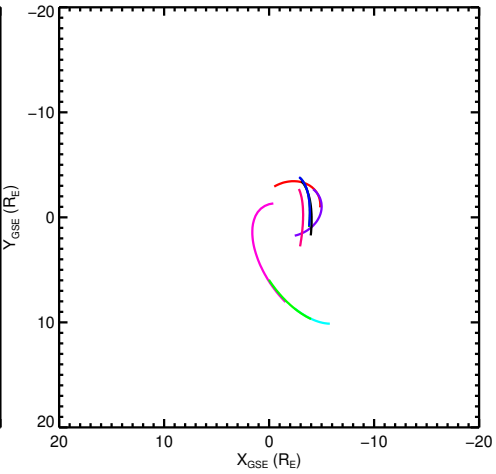


(a) 0000UT to 0430UT
cve fhe inv wal

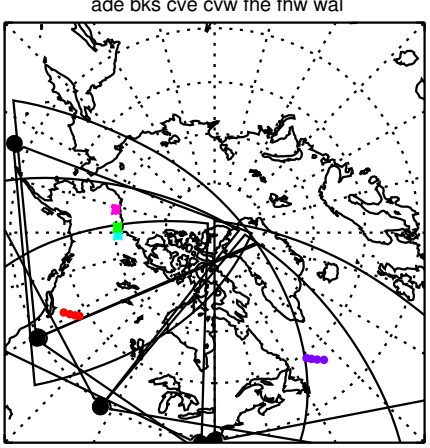


san

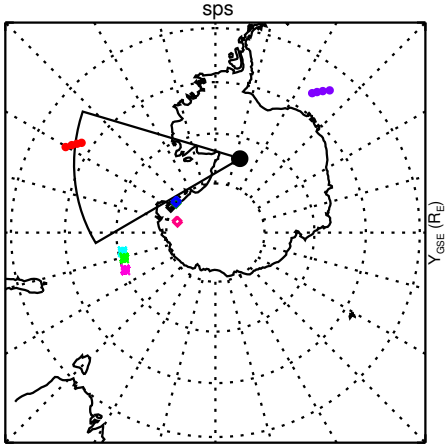


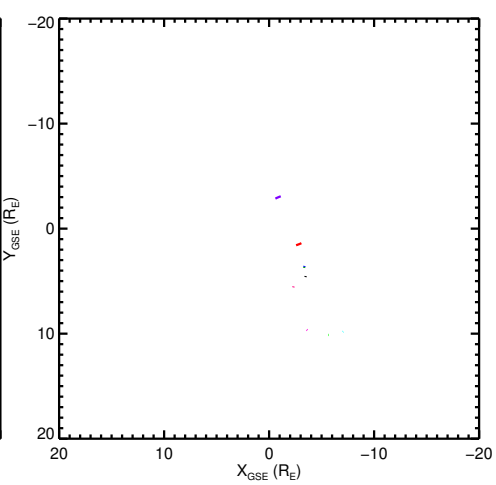


(b) 0640UT to 0655UT
ade bks cve cvw fhe fhw wal



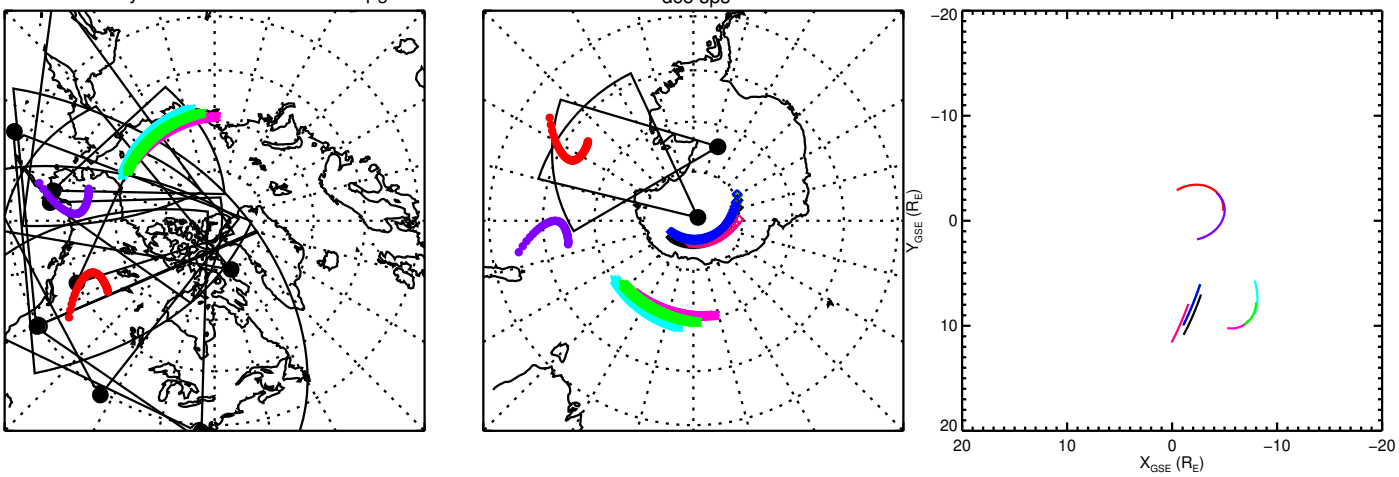
sps



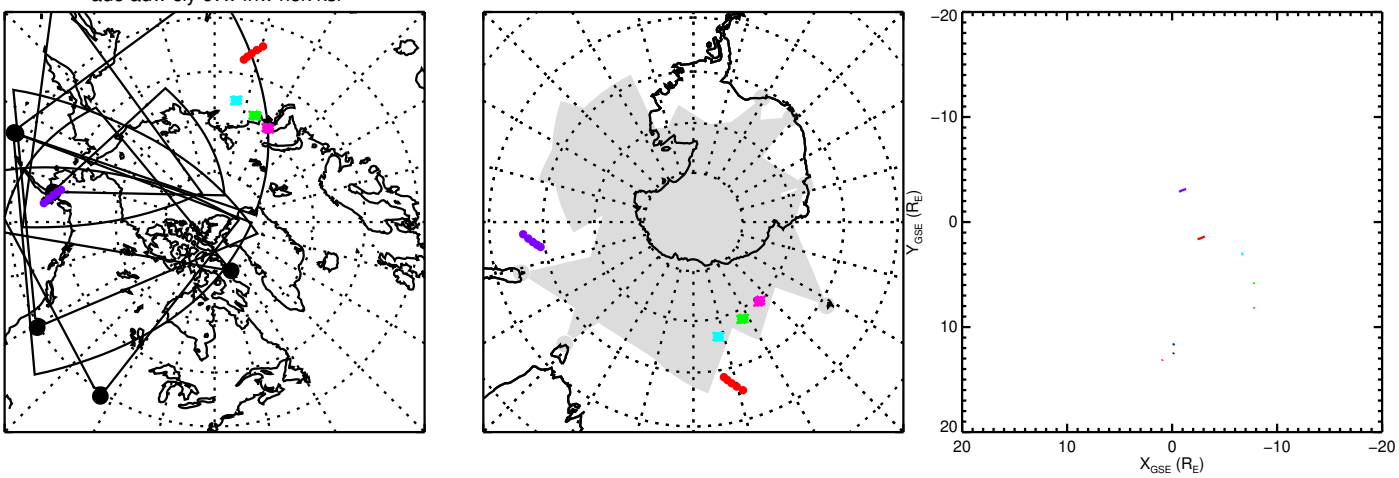


(c) 0900UT to 1330UT
ade bks cly cve cvw fhw hok kod ksr pgr

dce sps

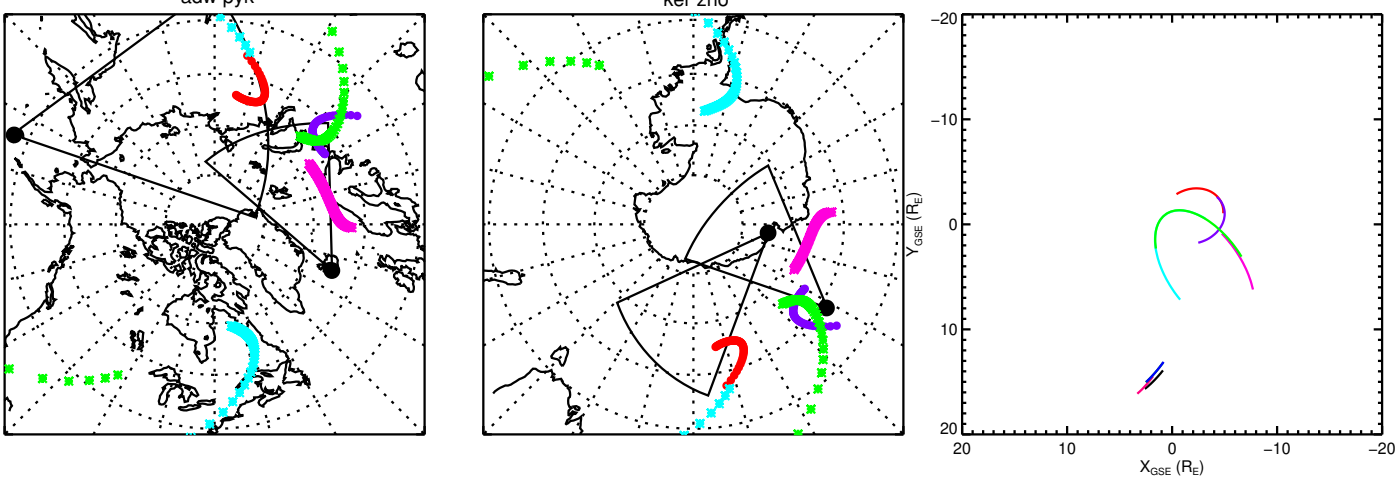


(d) 1535UT to 1555UT
ade adw cly cvw fhw hok ksr



(e) 1805UT to 2230UT
adw pyk

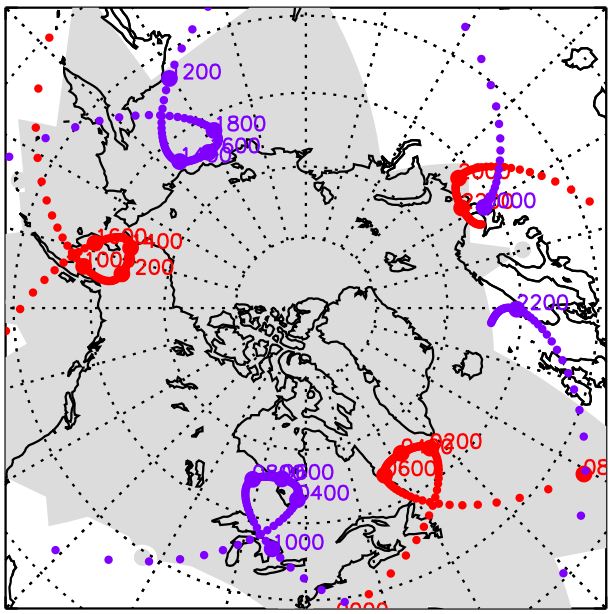
ker zho

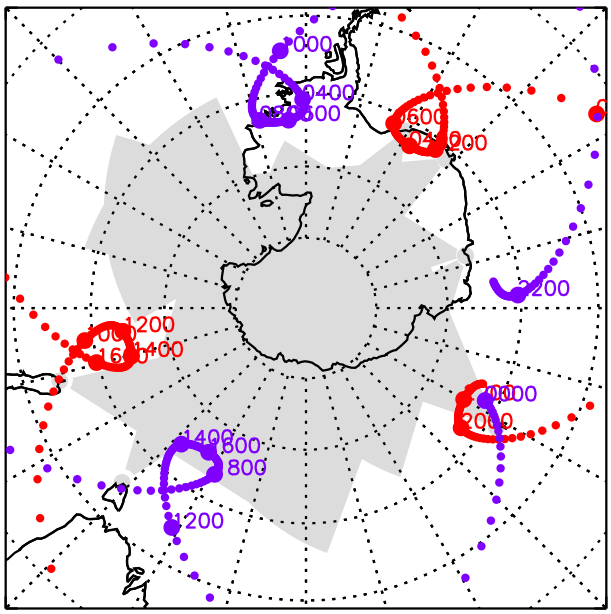


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

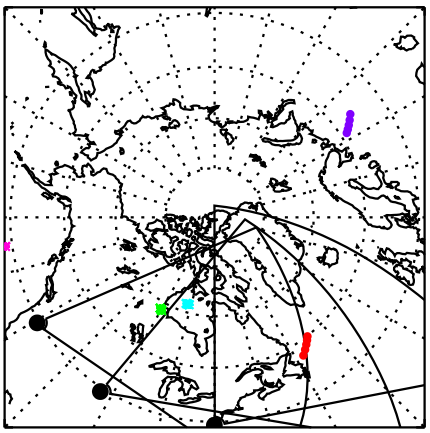
19–Dec–2014

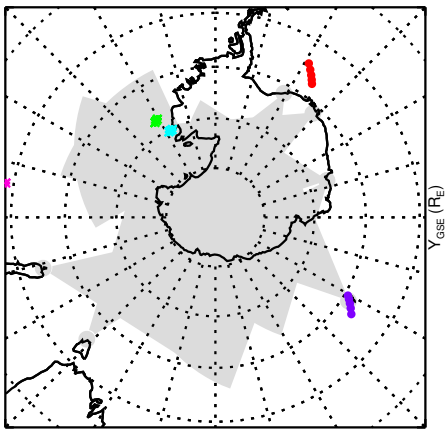
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

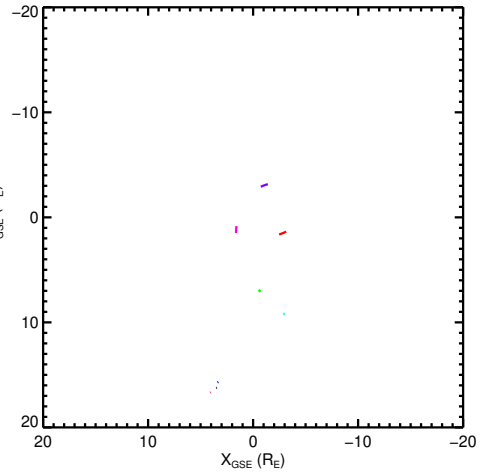




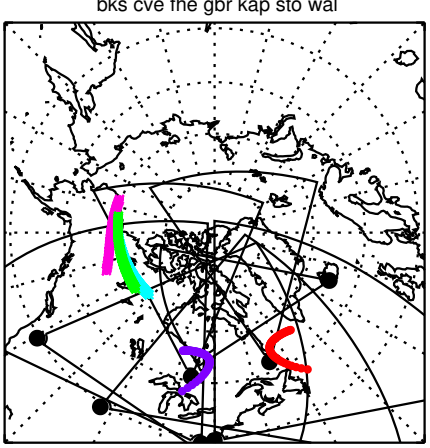
(a) 0035UT to 0055UT
cve fhe wal



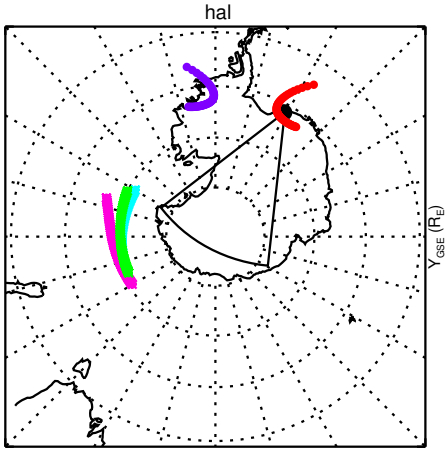


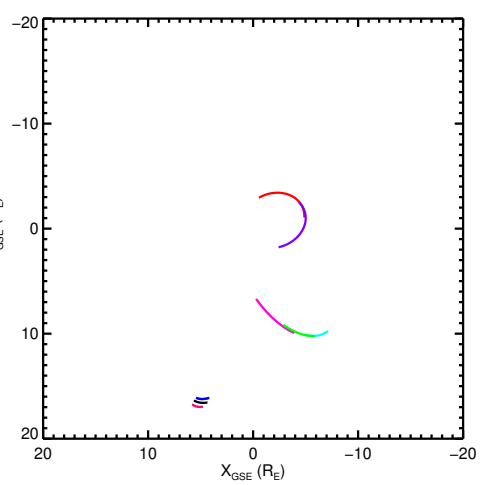


(b) 0305UT to 0725UT
bks cve fhe gbr kap sto wal

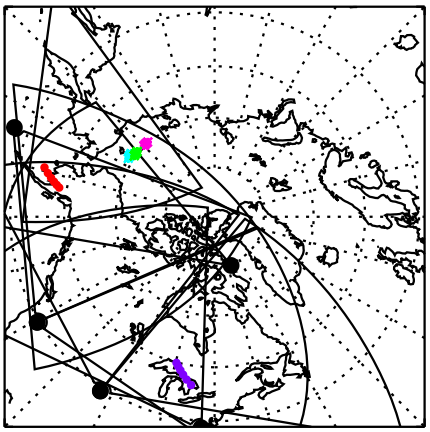


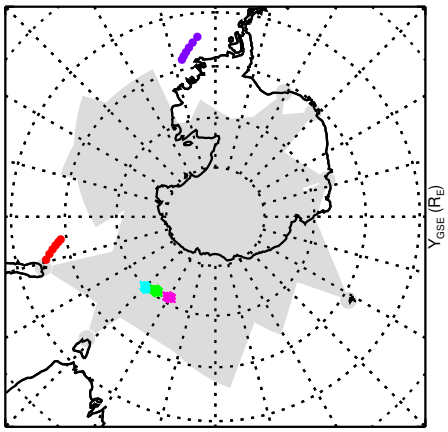
hal

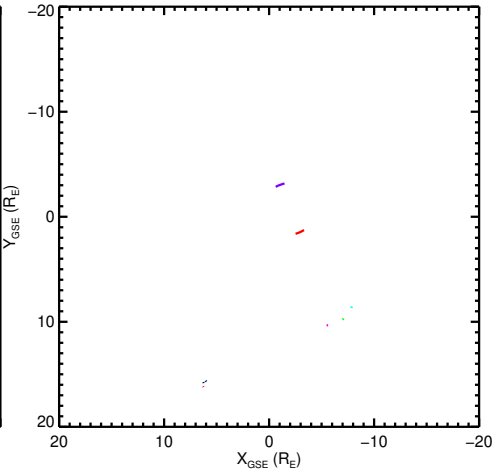




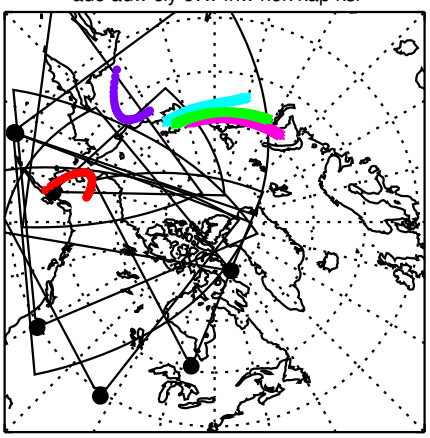
(c) 0935UT to 1000UT
ade bks cly cve cvw fhe fhw hok



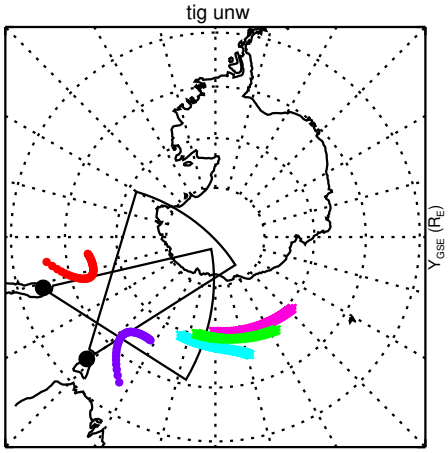


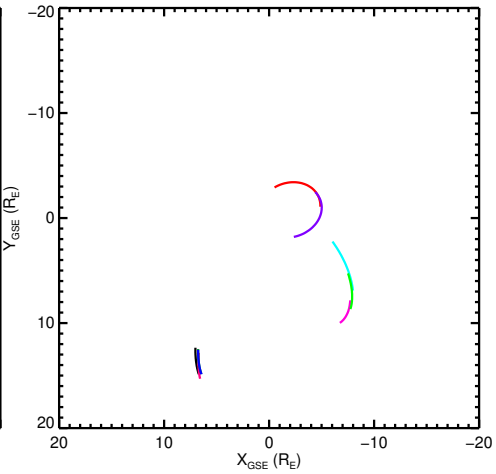


(d) 1205UT to 1625UT
ade adw cly cvw fhw hok kap ksr

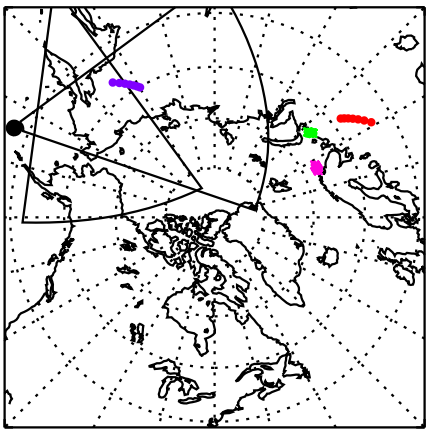


tig unw

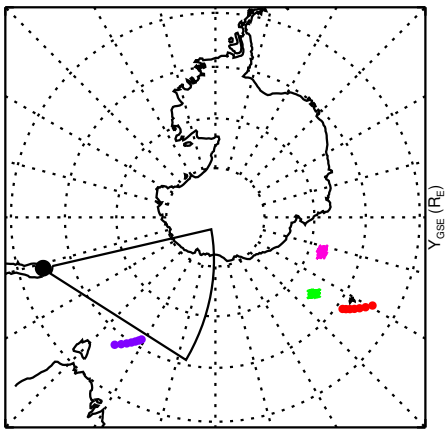


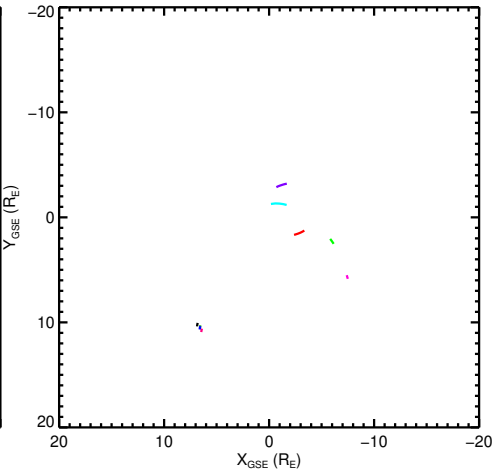


(e) 1830UT to 1900UT
adw hok

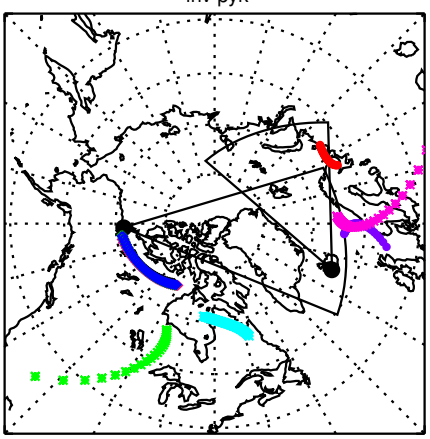


unw

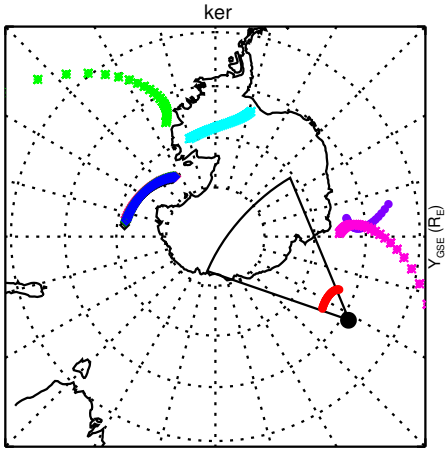


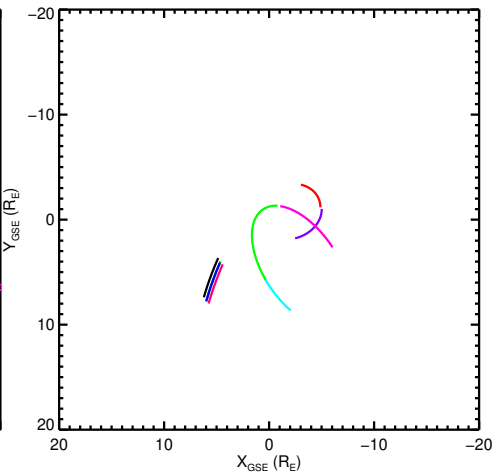


(f) 2110UT to 2355UT
inv pyk



ker

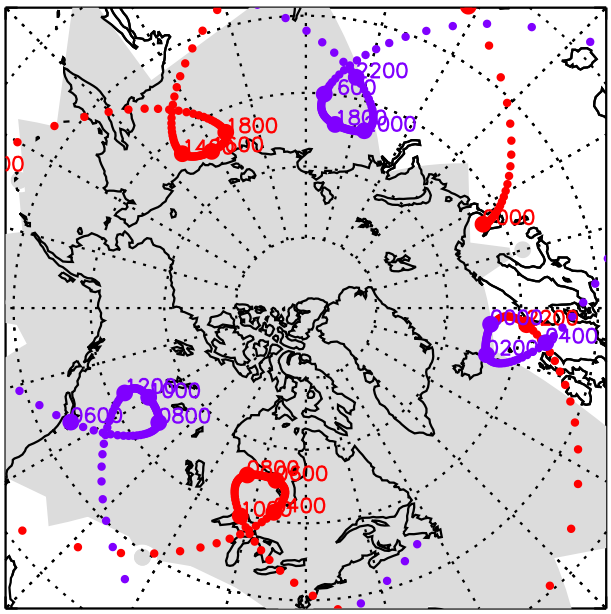


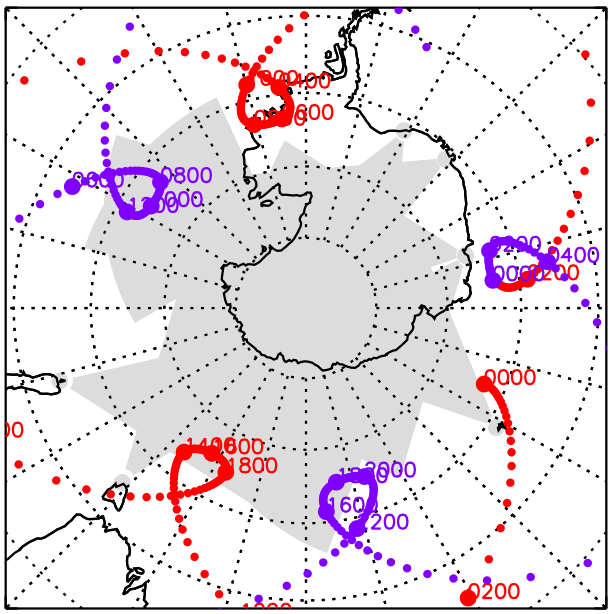


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

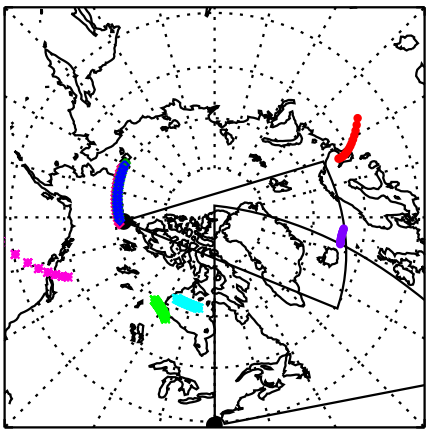
20–Dec–2014

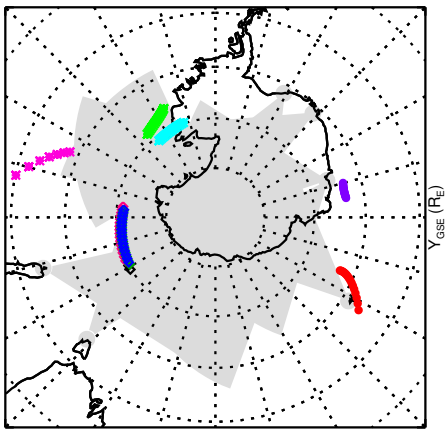
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

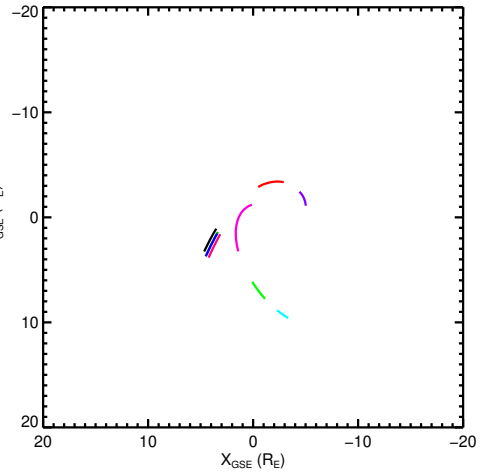




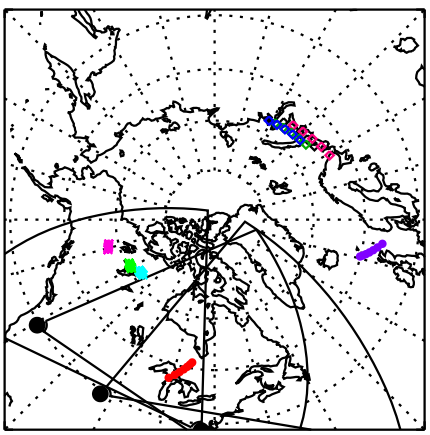
(a) 0000UT to 0125UT
inv wal

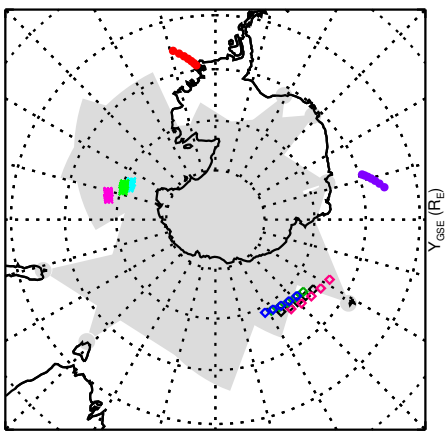


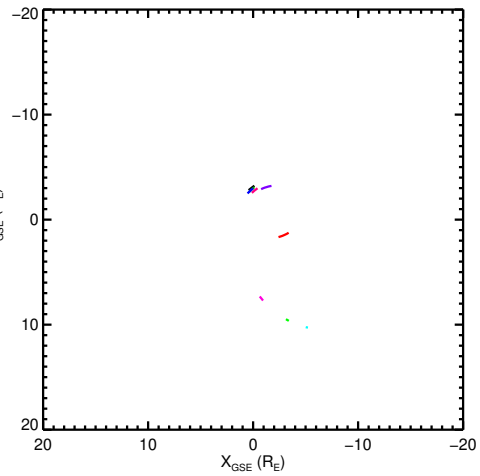




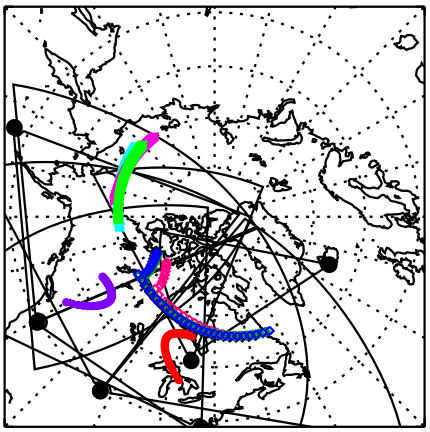
(b) 0330UT to 0400UT
bks cve fhe



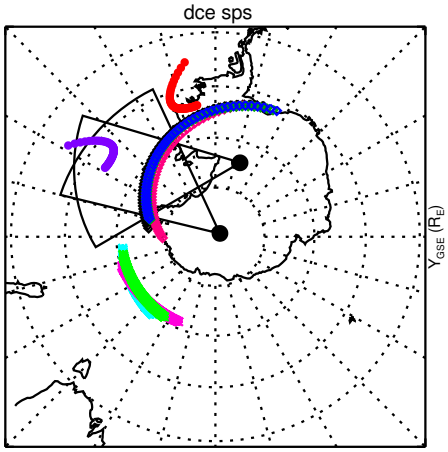


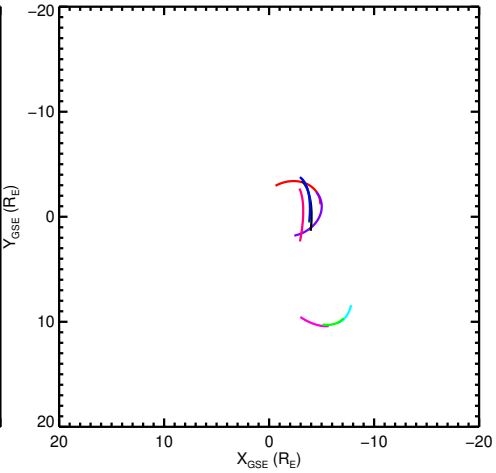


(c) 0610UT to 1020UT
ade bks cve cvw fhe fhw kap sto

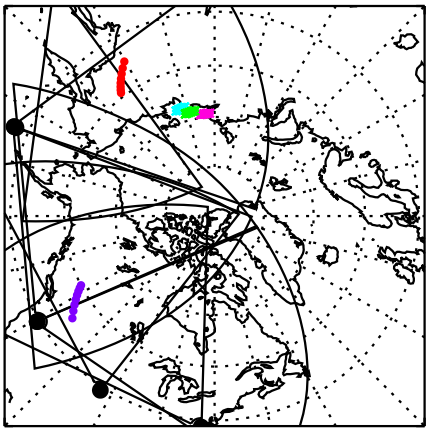


dce sps

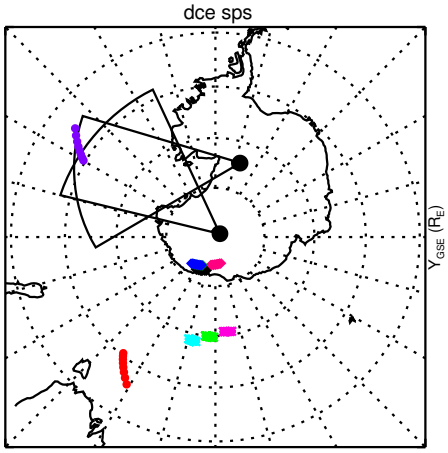


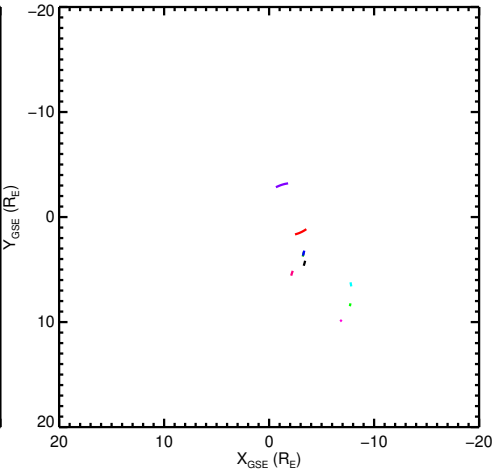


(d) 1230UT to 1305UT
ade adw bks cve cvw fhw hok

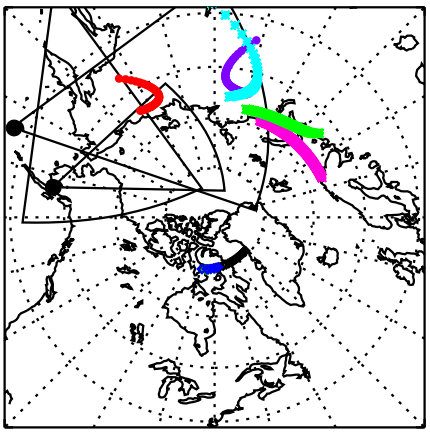


dce sps

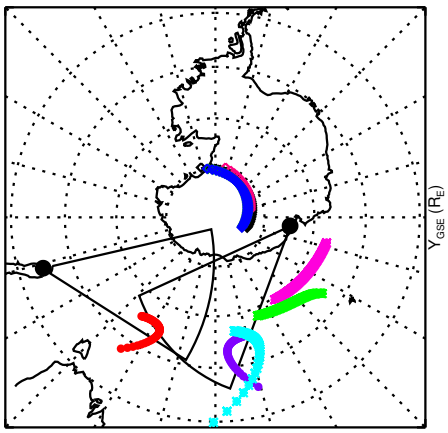


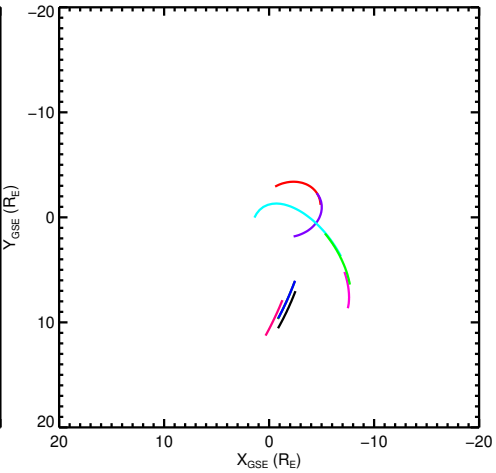


(e) 1510UT to 1920UT
adw hok ksr

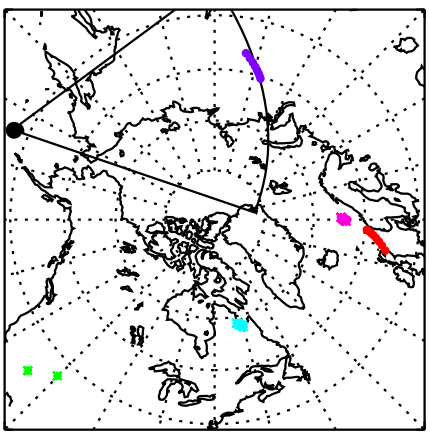


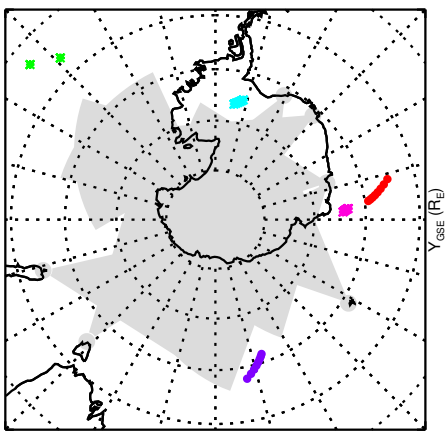
unw zho

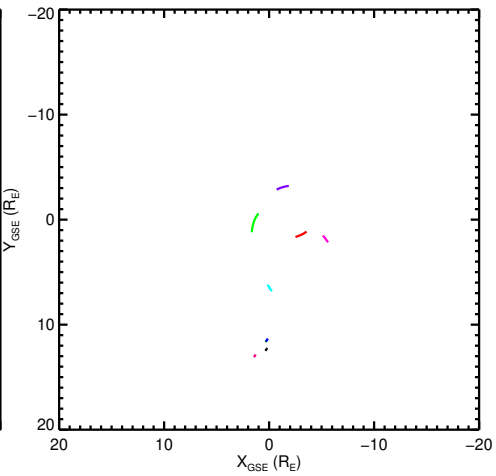




(f) 2130UT to 2205UT
adw



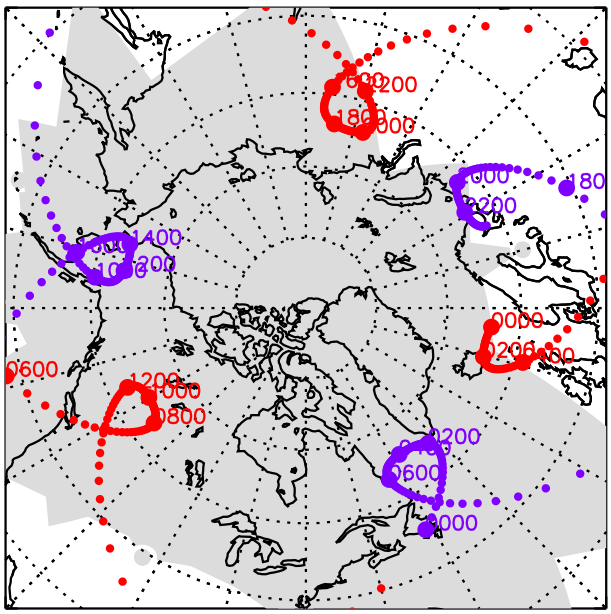


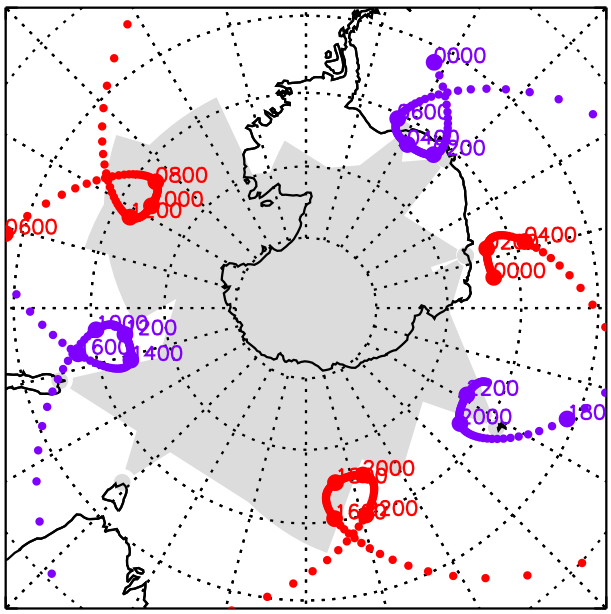


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

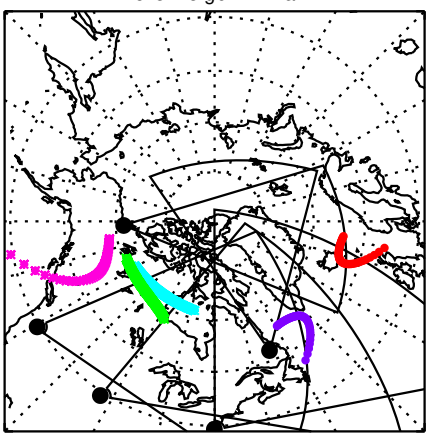
21−Dec−2014

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

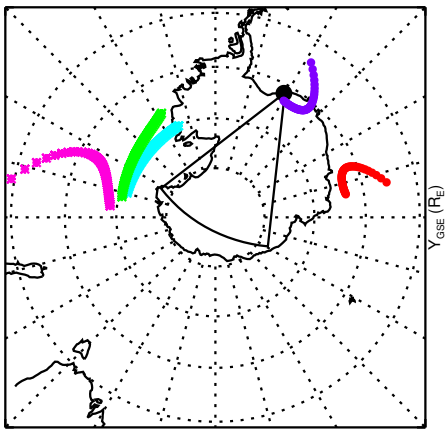


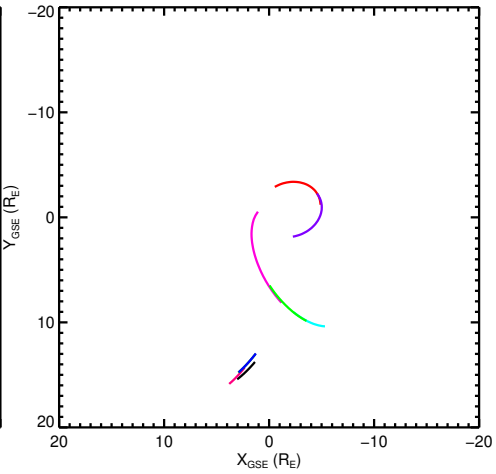


(a) 0010UT to 0420UT
cve fhe gbr inv wal

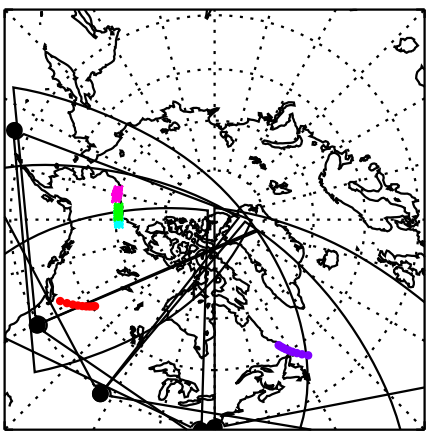


hal

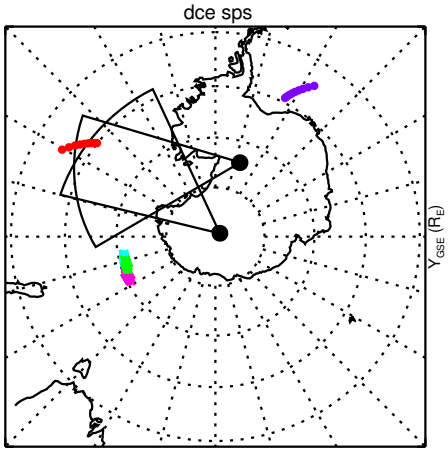


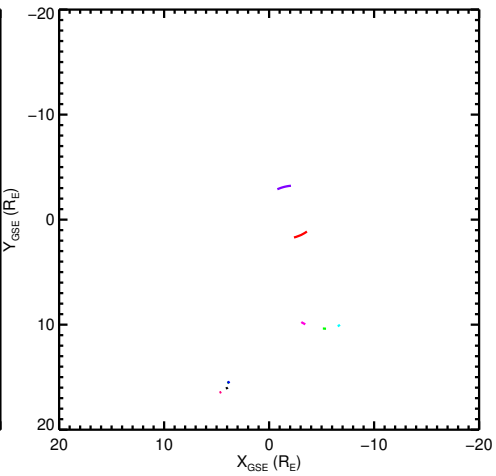


(b) 0625UT to 0705UT
ade bks cve cvw fhe fhw wal

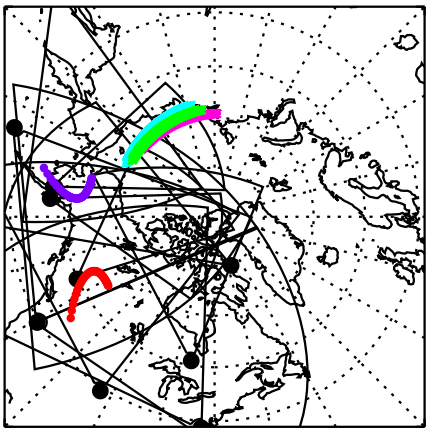


dce sps

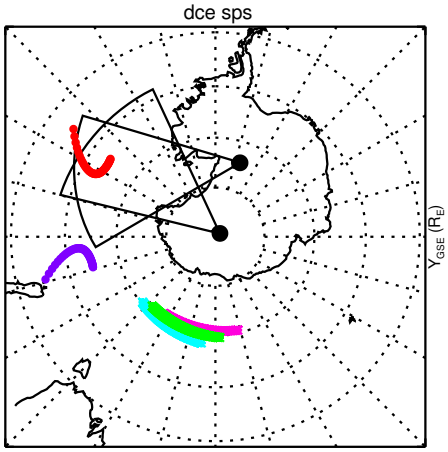


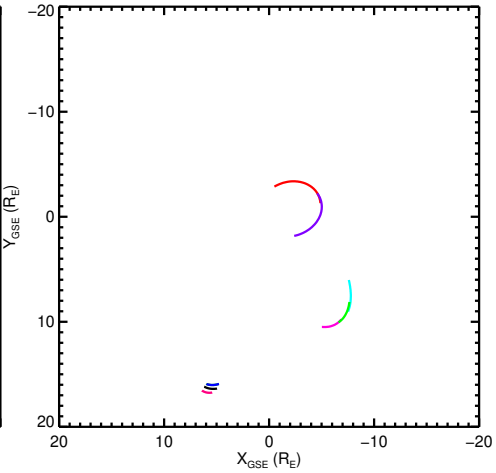


(c) 0915UT to 1320UT
ade bks cly cve cvw fhw hok kap kod ksr pgr

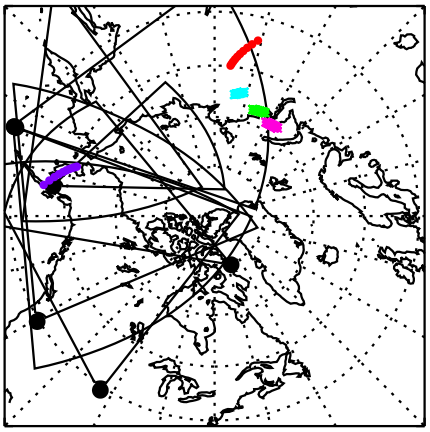


dce sps

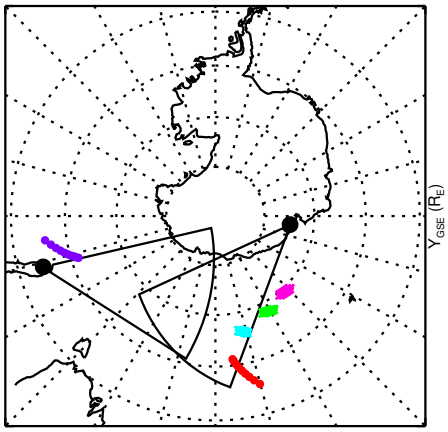


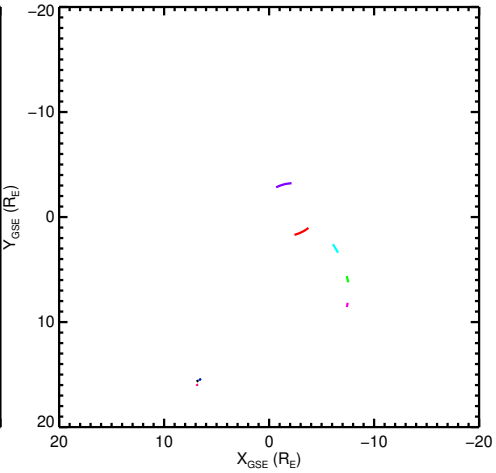


(d) 1525UT to 1610UT
ade adw cly cvw fhw hok ksr

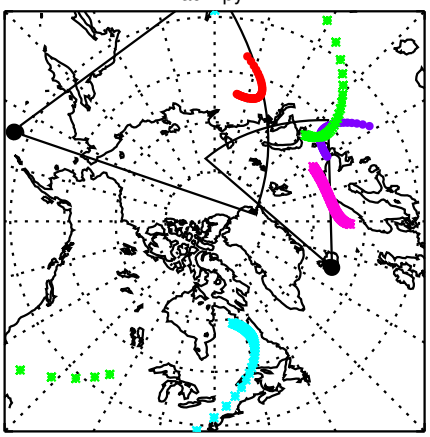


unw zho

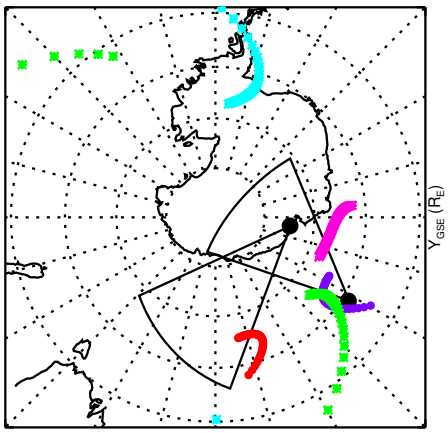


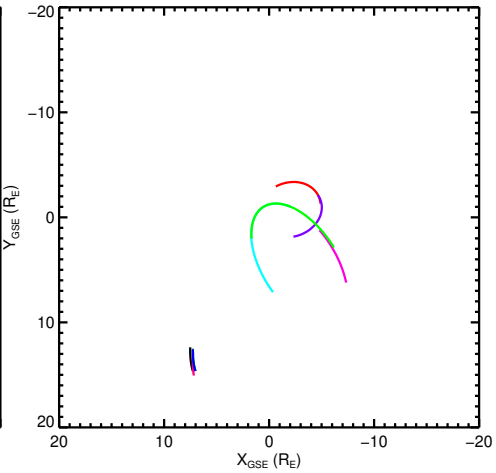


(e) 1815UT to 2215UT
adw pyk



ker zho

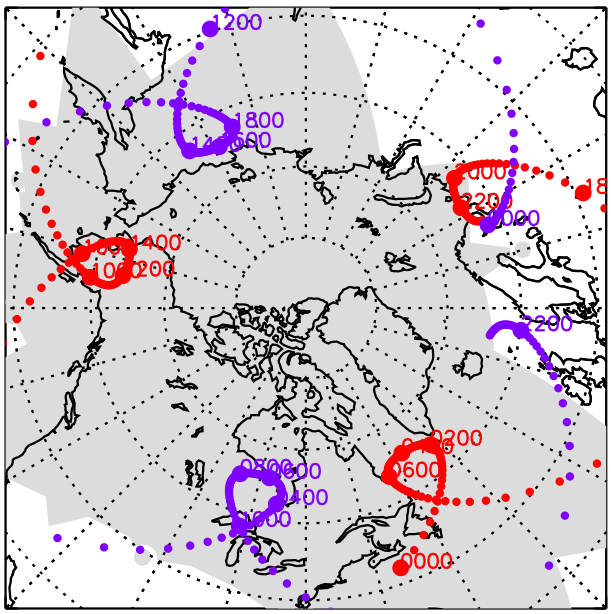


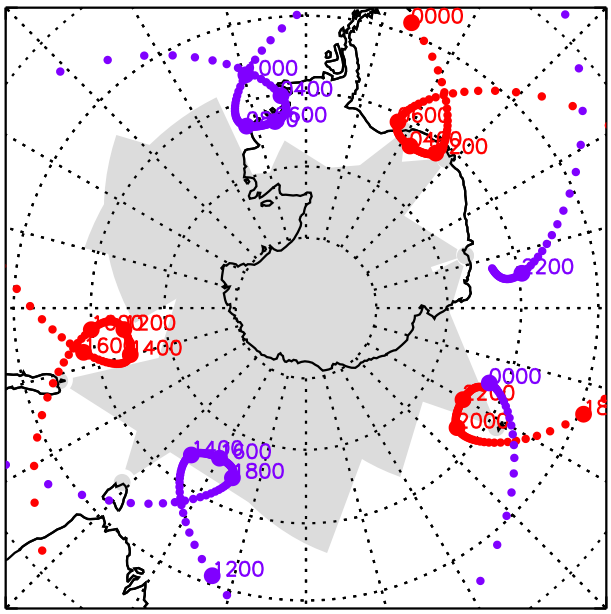


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

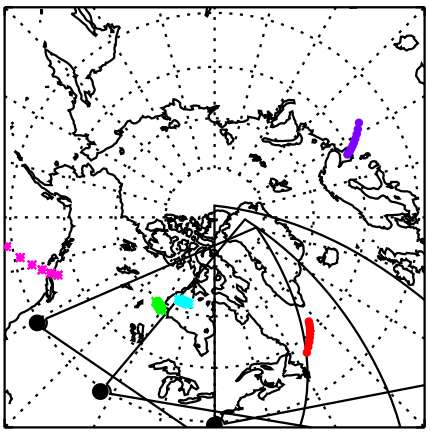
22–Dec–2014

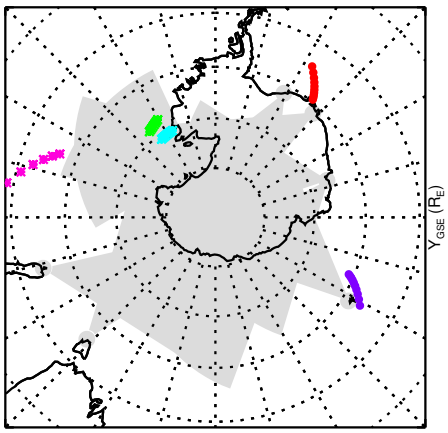
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

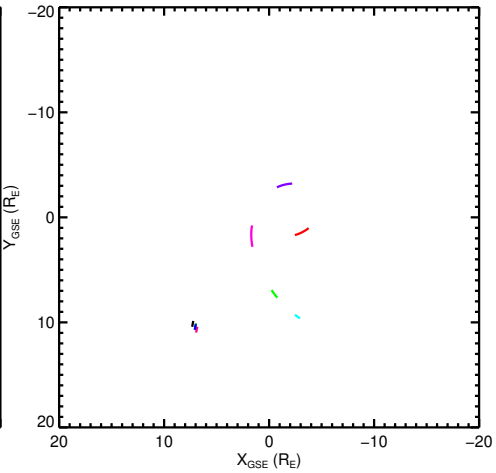




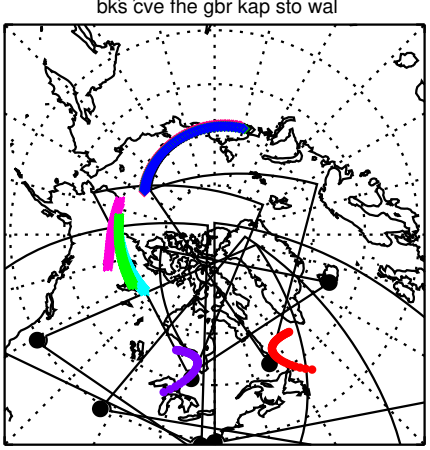
(a) 0025UT to 0110UT
cve fhe wal



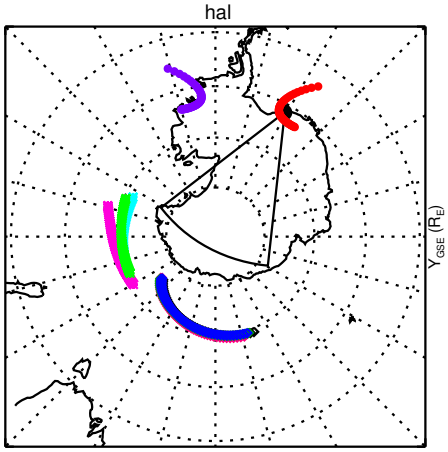


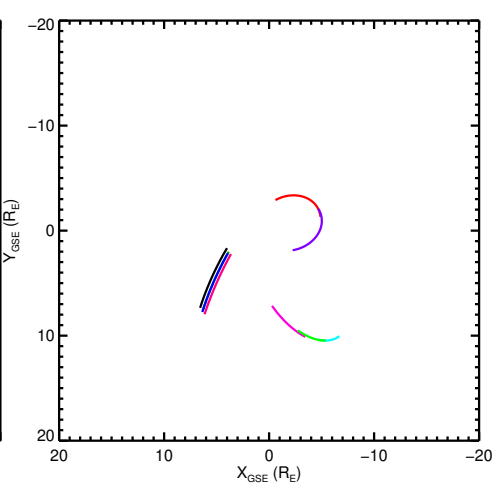


(b) 0315UT to 0715UT
bks cve fhe gbr kap sto wal

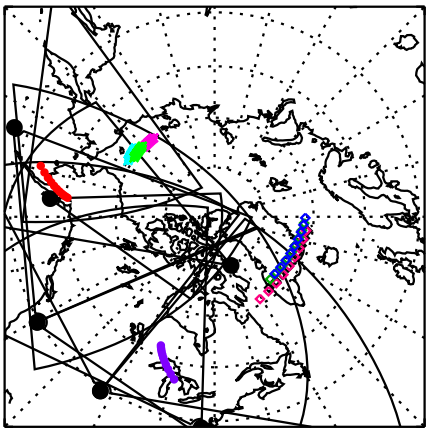


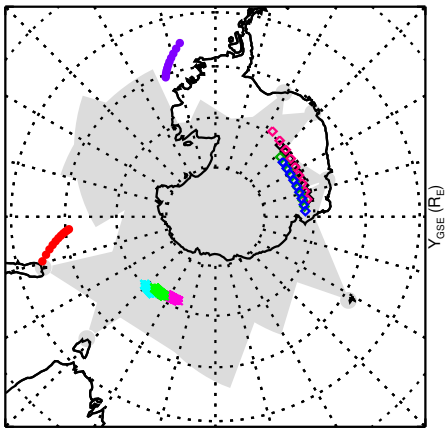
hal

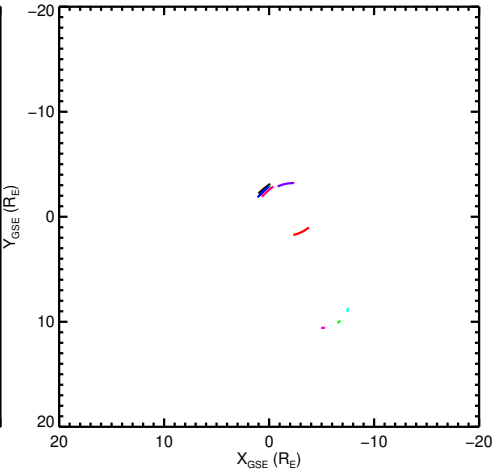




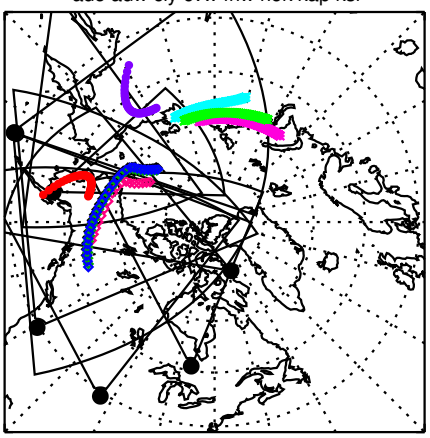
(c) 0920UT to 1010UT
ade bks cly cve cvw fhe fhw hok kod



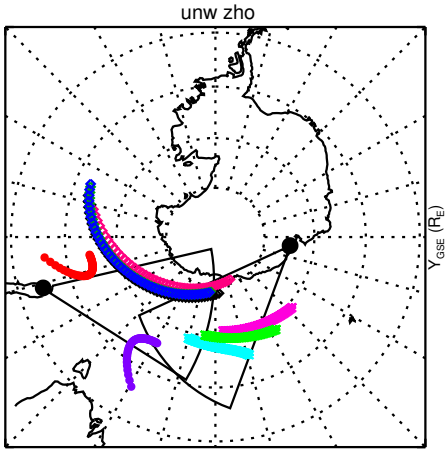


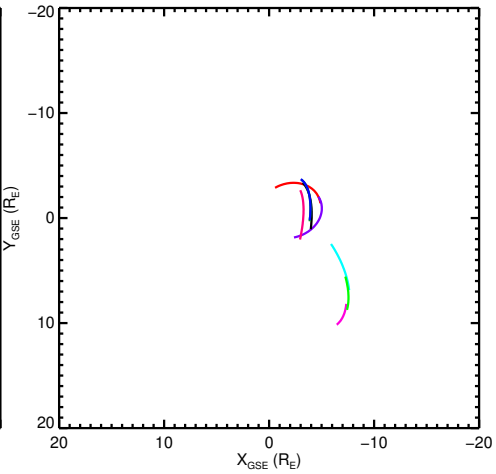


(d) 1220UT to 1615UT
ade adw cly cvw fhw hok kap ksr

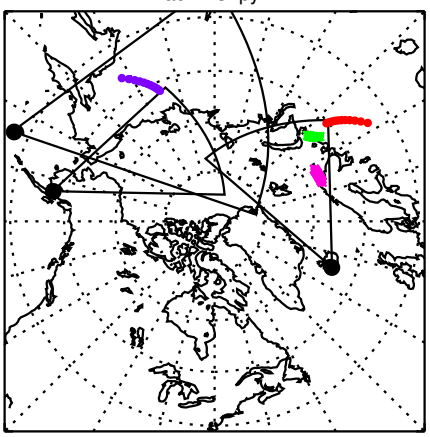


unw zho

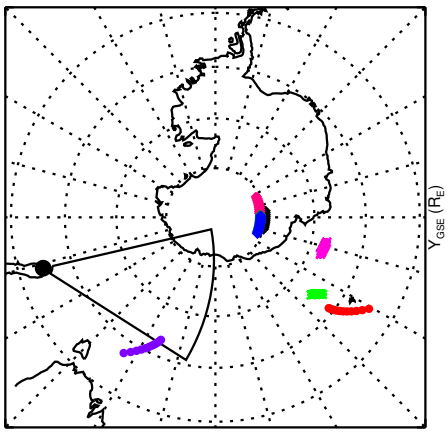


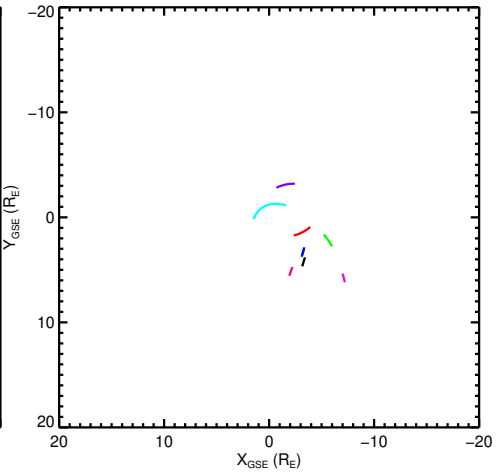


(e) 1820UT to 1915UT
adw ksr pyk

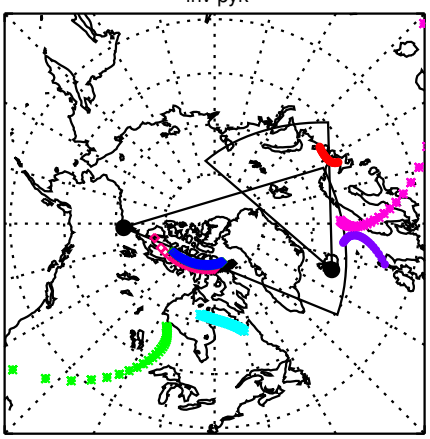


unw

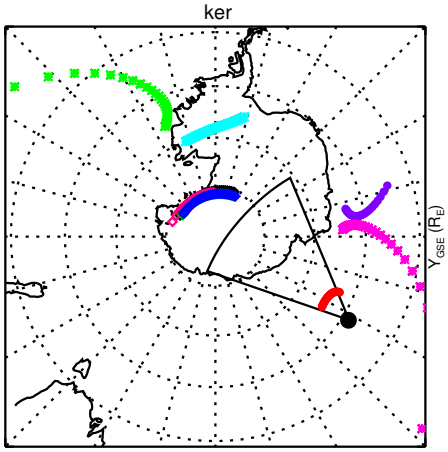


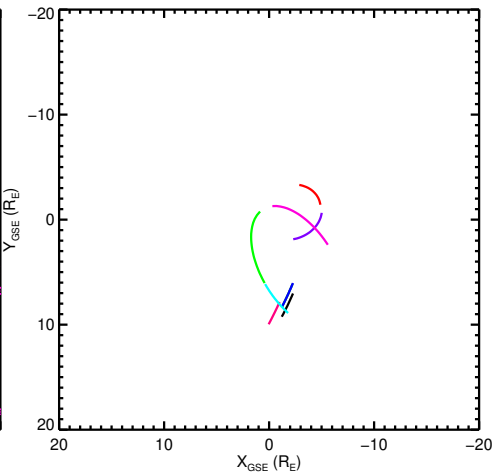


(f) 2120UT to 2355UT
inv pyk



ker

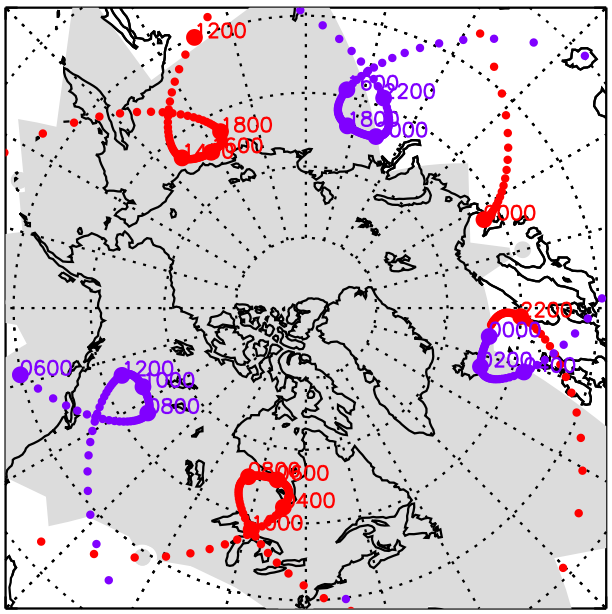


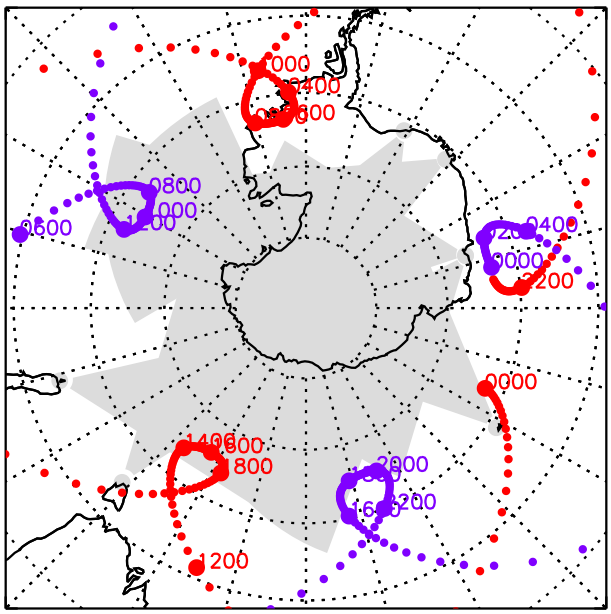


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

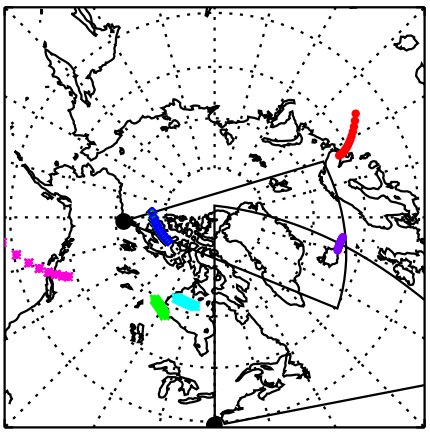
23–Dec–2014

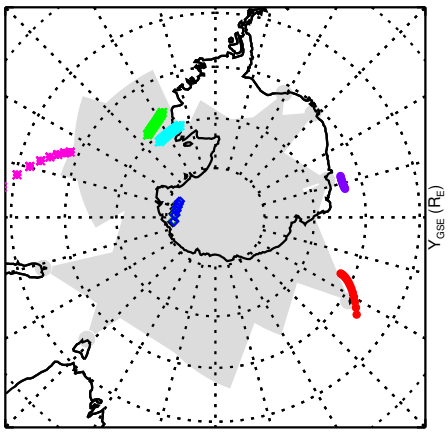
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

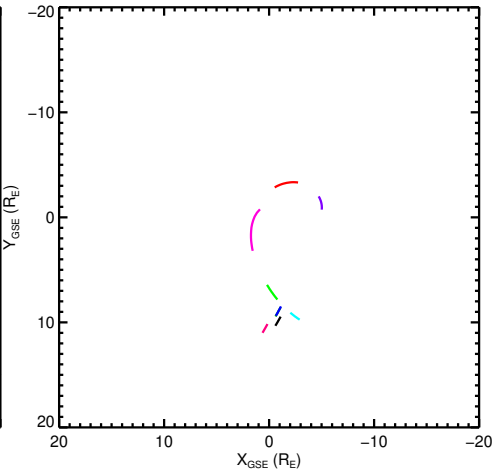




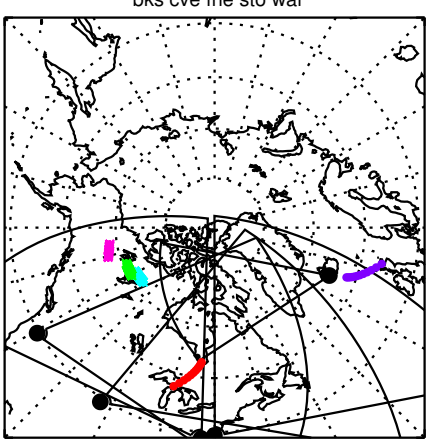
(a) 0000UT to 0115UT
inv wal

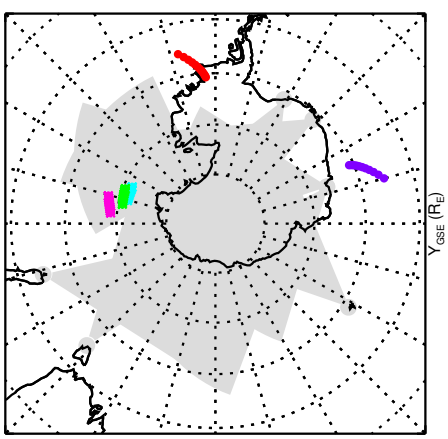


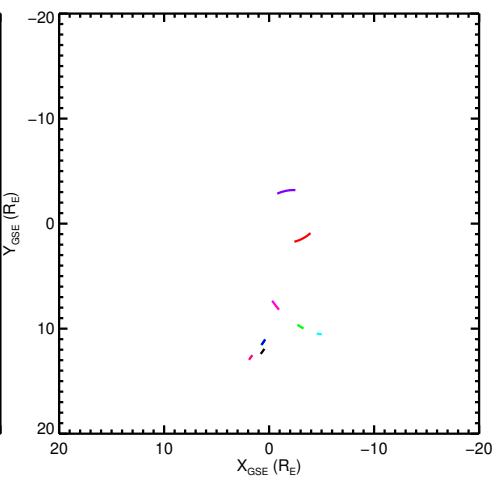




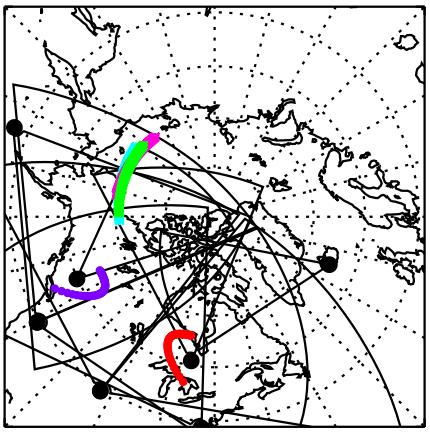
(b) 0320UT to 0415UT
bks cve fhe sto wal



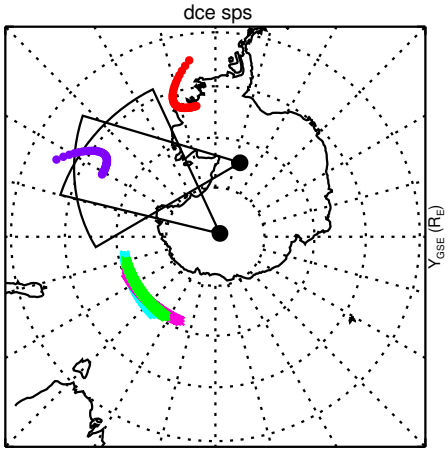


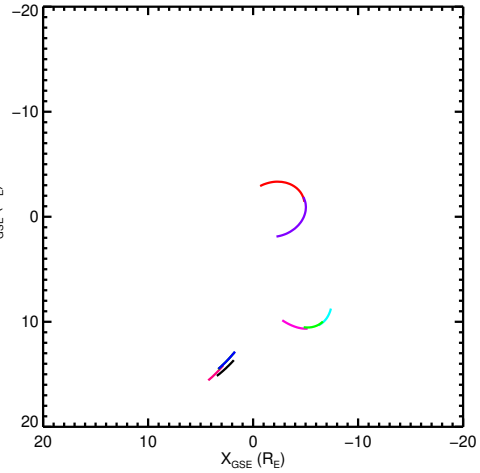


(c) 0620UT to 1010UT
ade bks cve cvw fhe fhw kap pgr sto

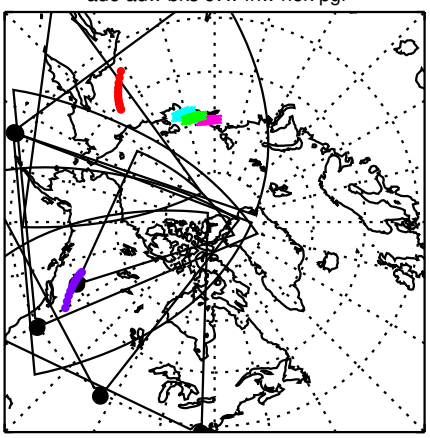


dce sps

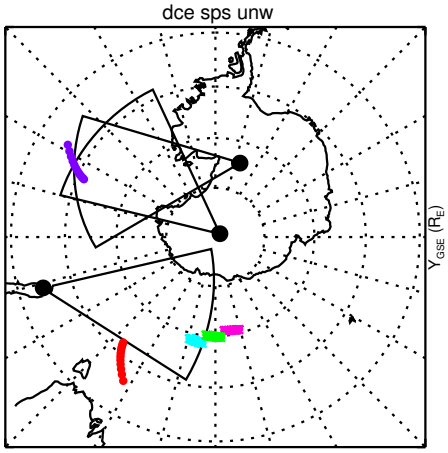


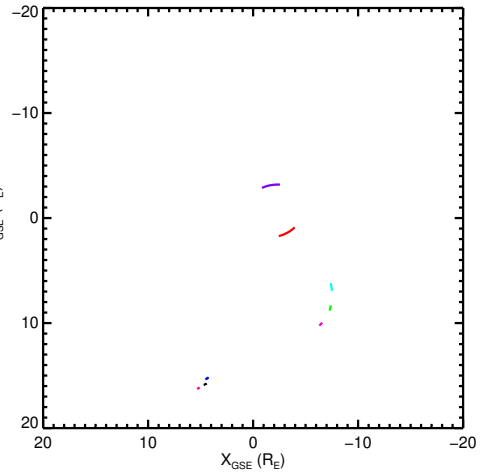


(d) 1220UT to 1315UT
ade adw bks cvw fhw hok pgr

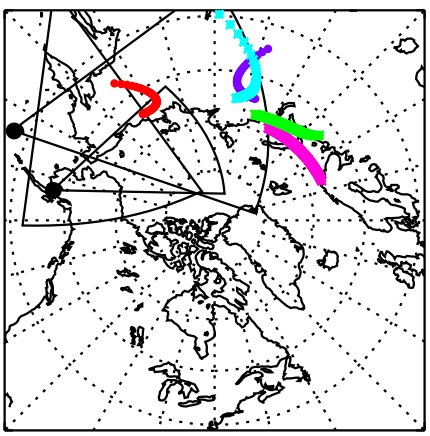


dce sps unw

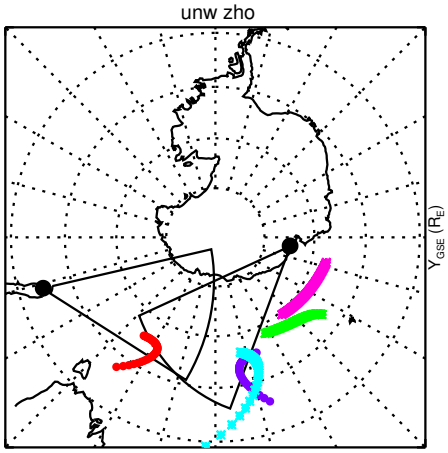


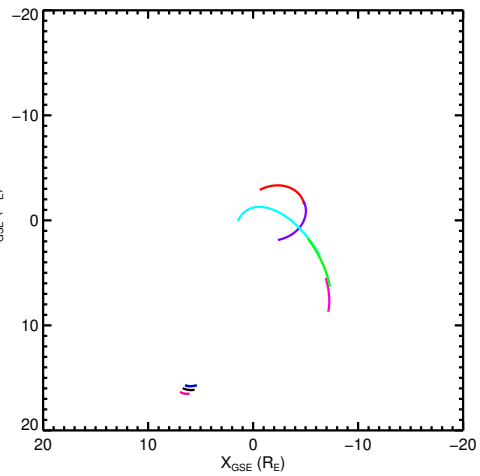


(e) 1525UT to 1910UT
adw hok ksr

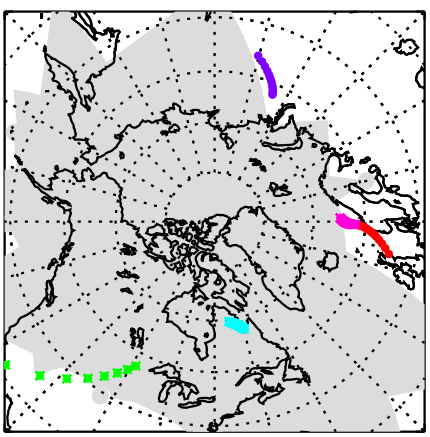


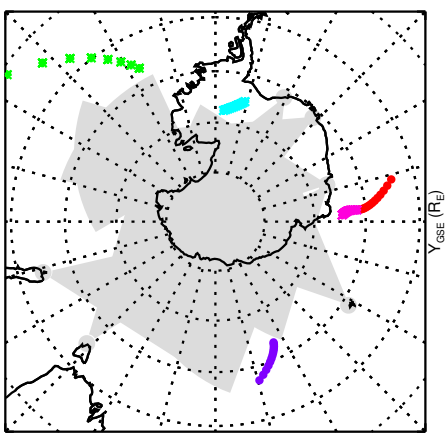
unw zho

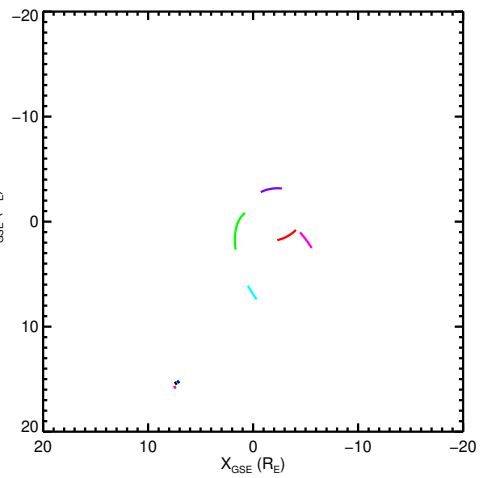




(f) 2115UT to 2220UT



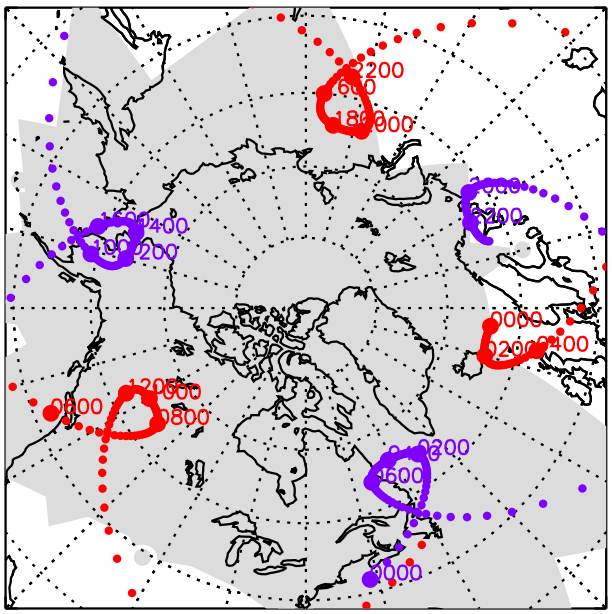


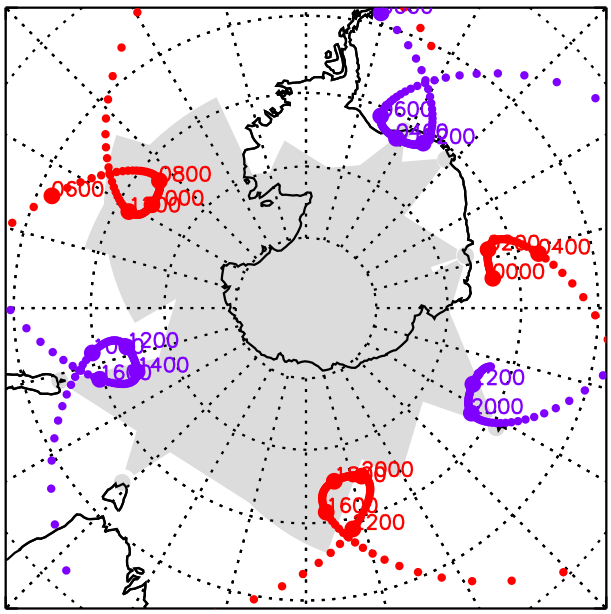


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

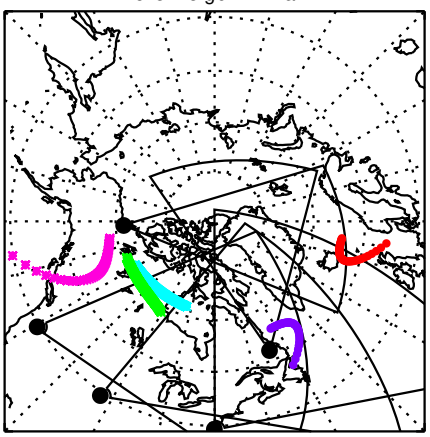
24–Dec–2014

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

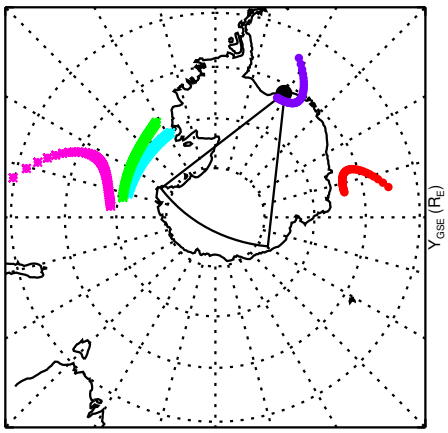


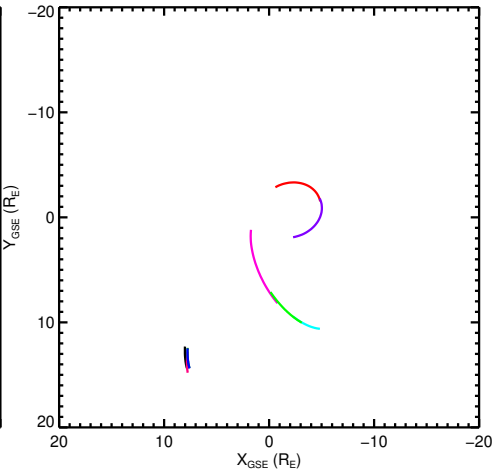


(a) 0025UT to 0410UT
cve fhe gbr inv wal

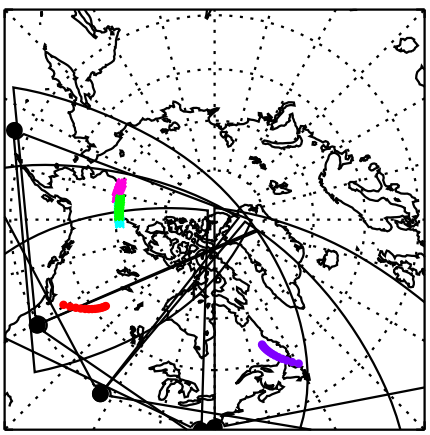


hal

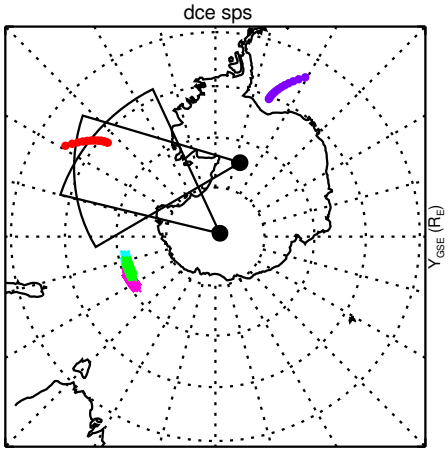


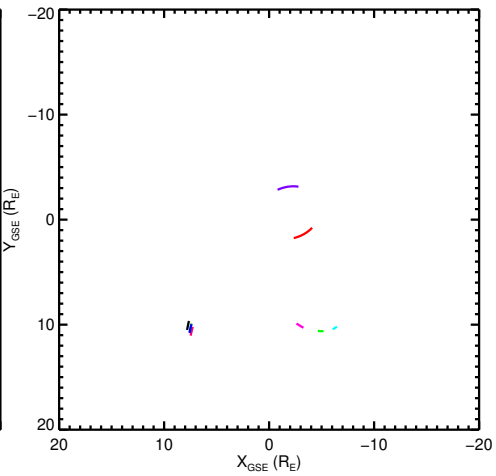


(b) 0615UT to 0720UT
ade bks cve cvw fhe fhw wal

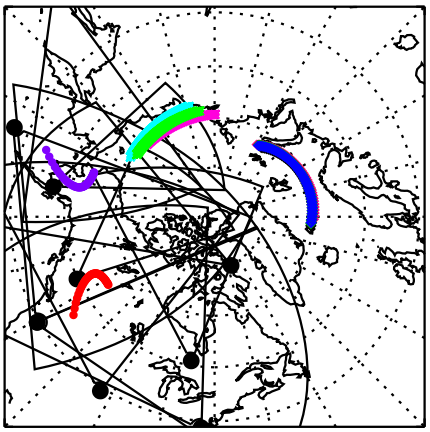


dce sps

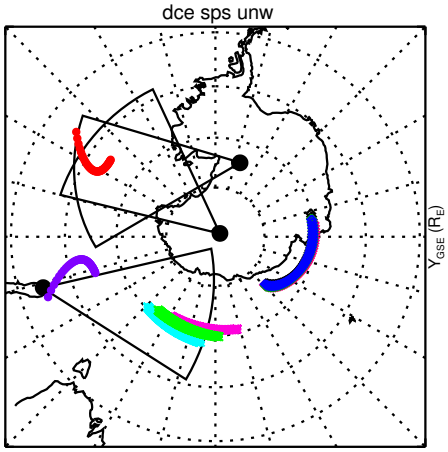


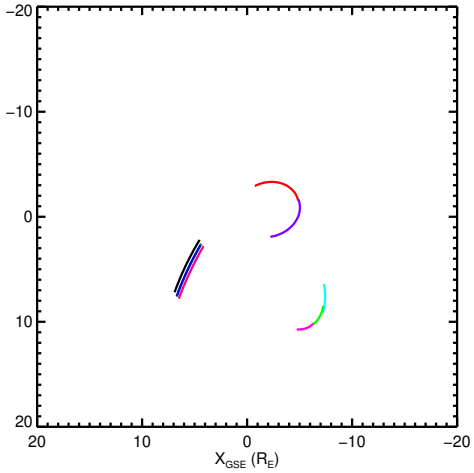


(c) 0925UT to 1305UT
ade bks cly cve cvw fhw hok kap ksr pgr

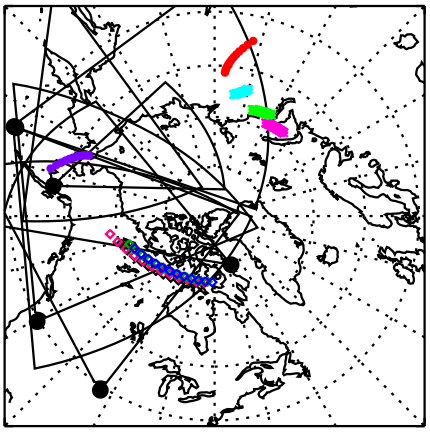


dce sps unw

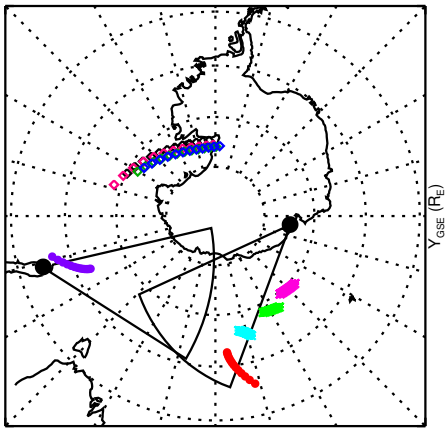


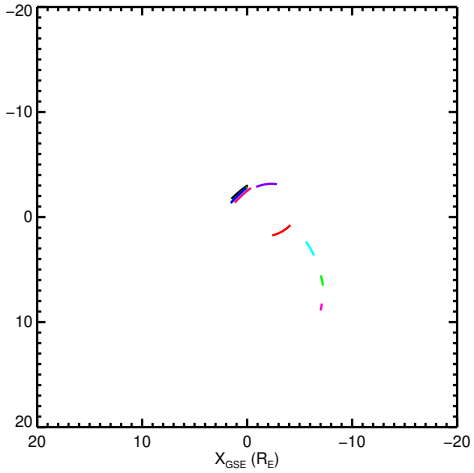


(d) 1515UT to 1620UT
ade adw cly cvw fhw hok ksr

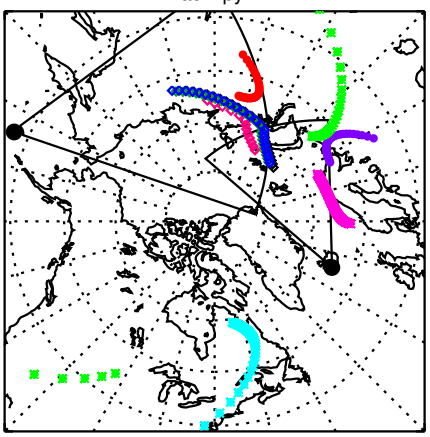


unw zho

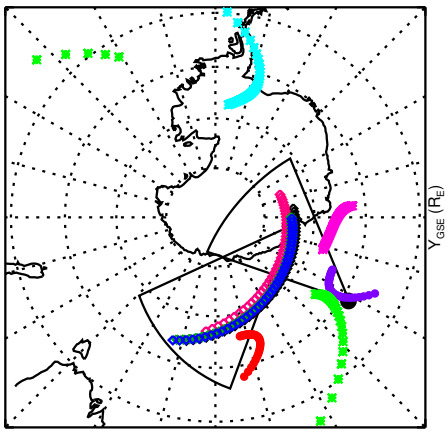


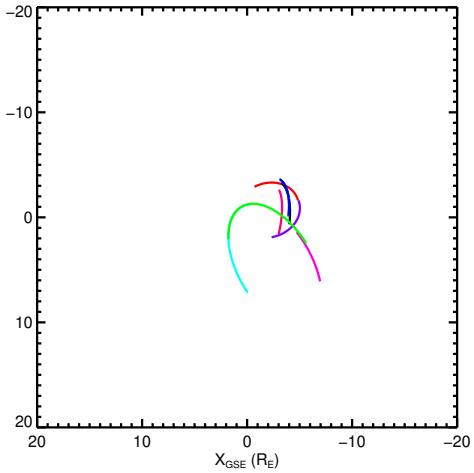


(e) 1830UT to 2205UT
adw pyk



ker zho

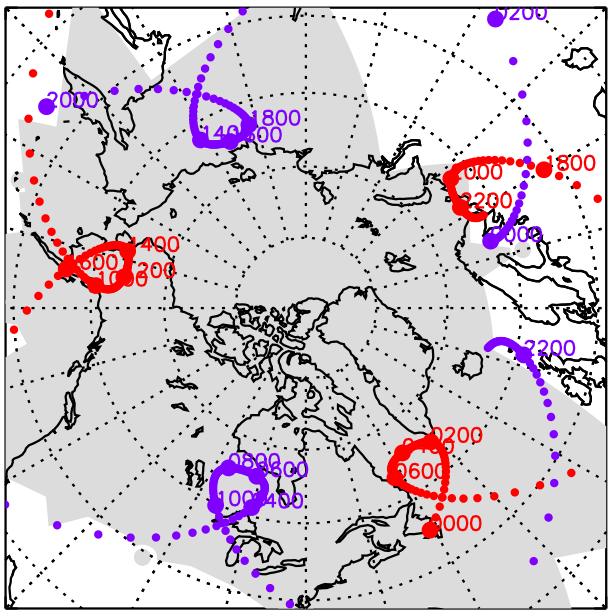


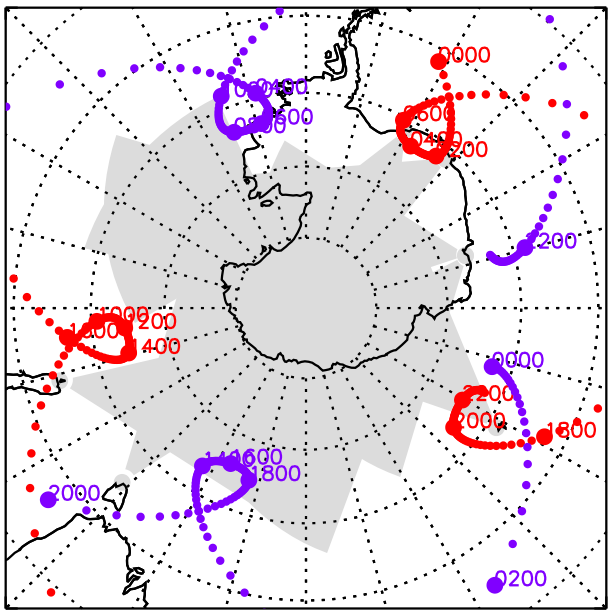


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

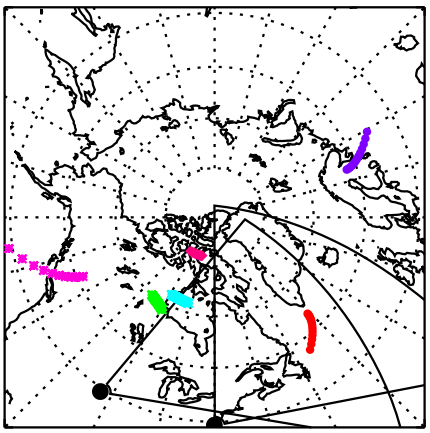
25–Dec–2014

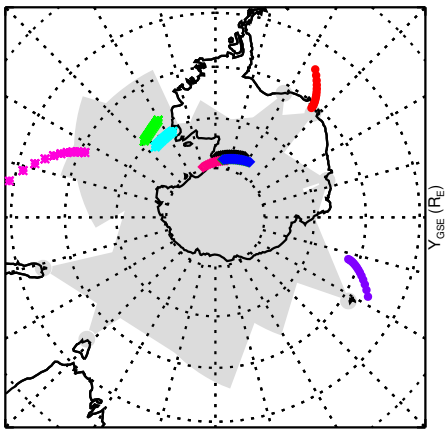
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

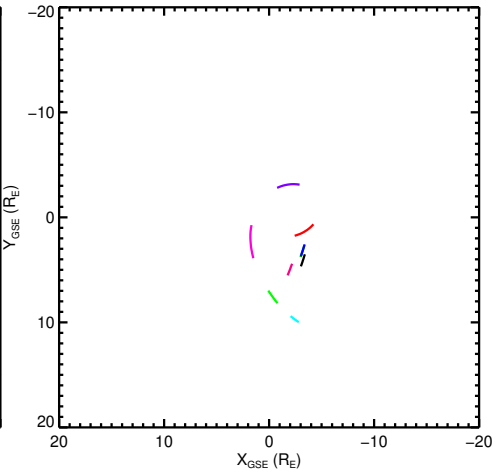




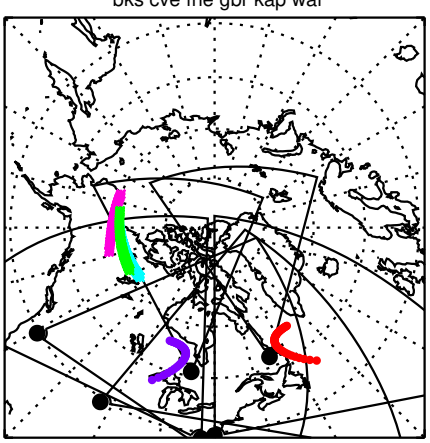
(a) 0015UT to 0125UT
fhe wal

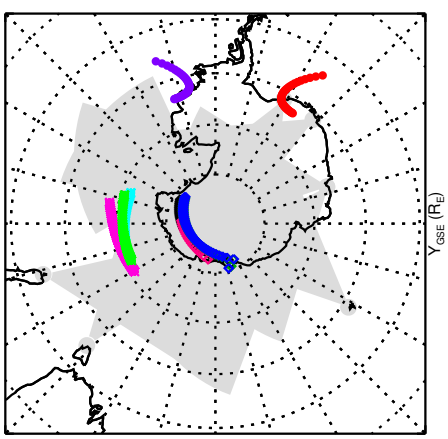


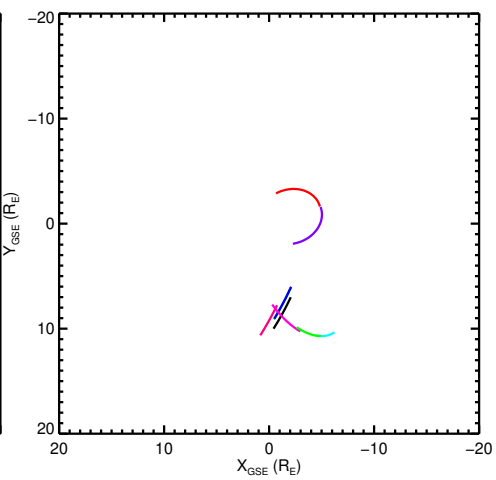




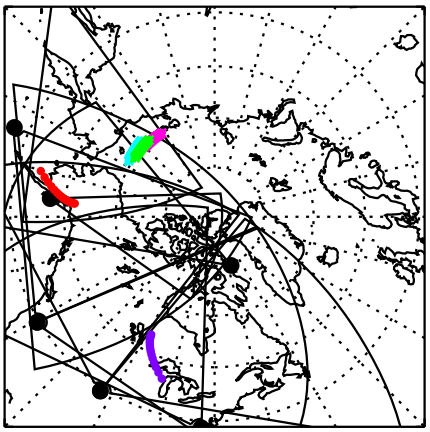
(b) 0330UT to 0705UT
bks cve fhe gbr kap wal



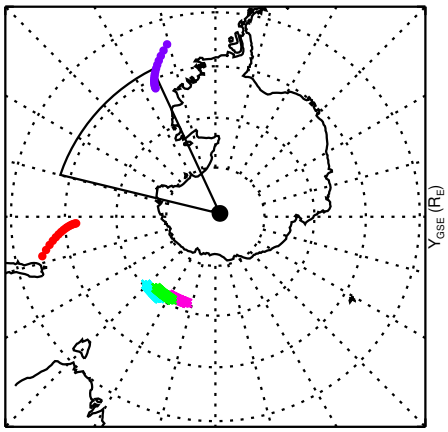


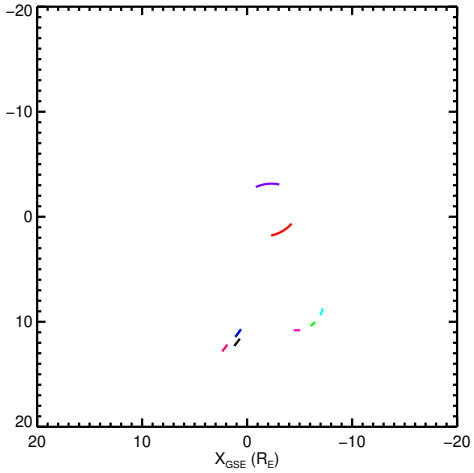


(c) 0910UT to 1025UT
ade bks cly cve cvw fhe fhw hok kod

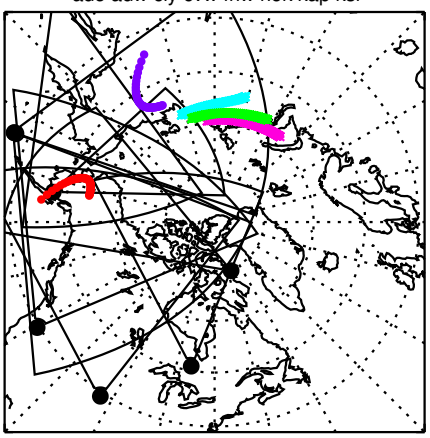


dce

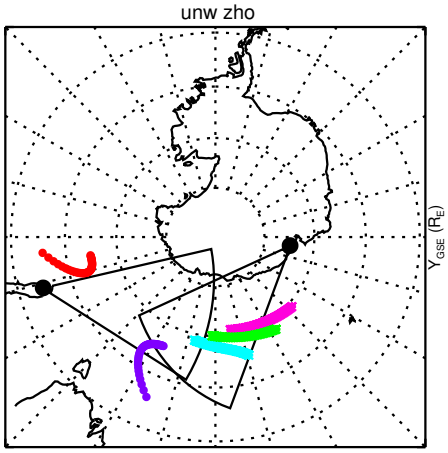


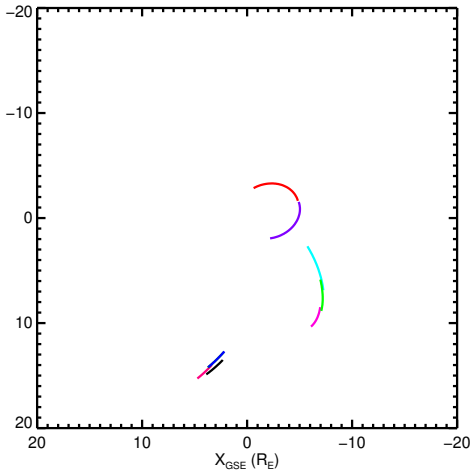


(d) 1230UT to 1605UT
ade adw cly cvw fhw hok kap ksr

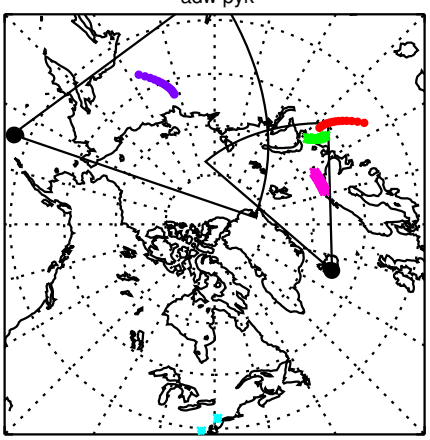


unw zho

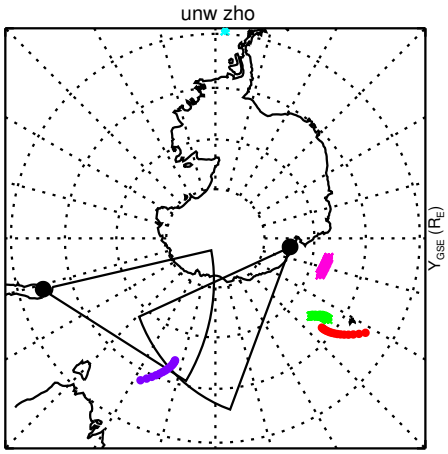


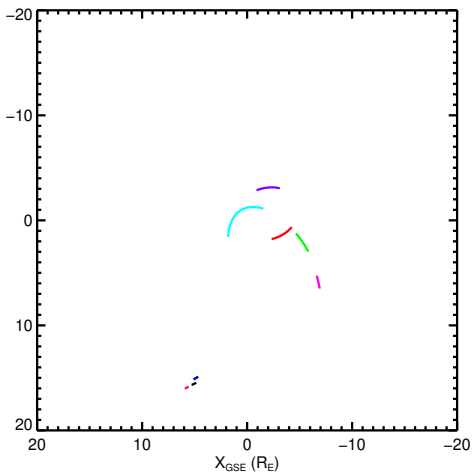


(e) 1810UT to 1925UT
adw pyk

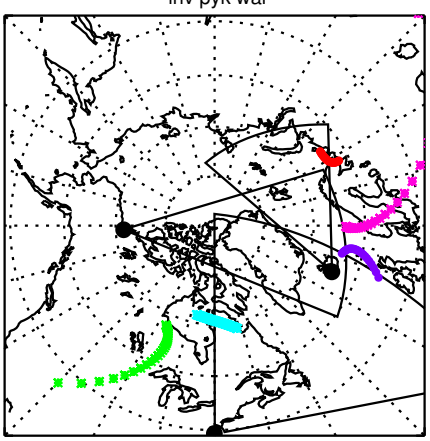


unw zho

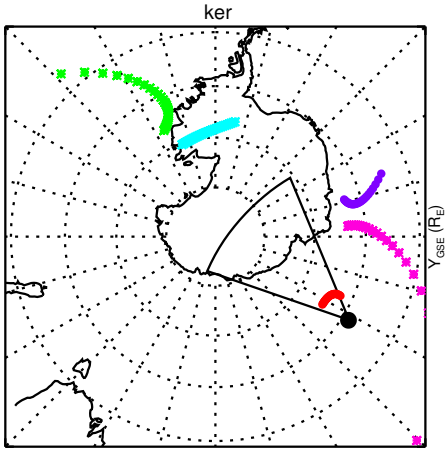


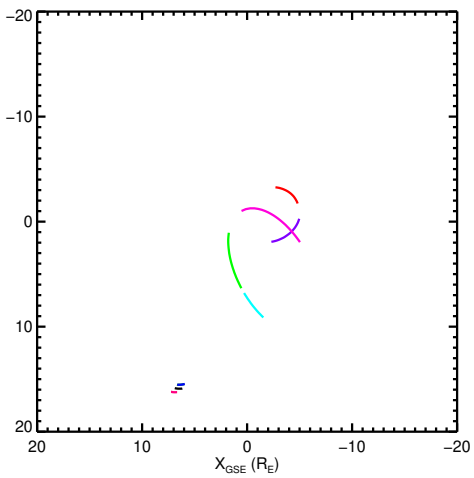


(f) 2135UT to 2355UT
inv pyk wal



ker

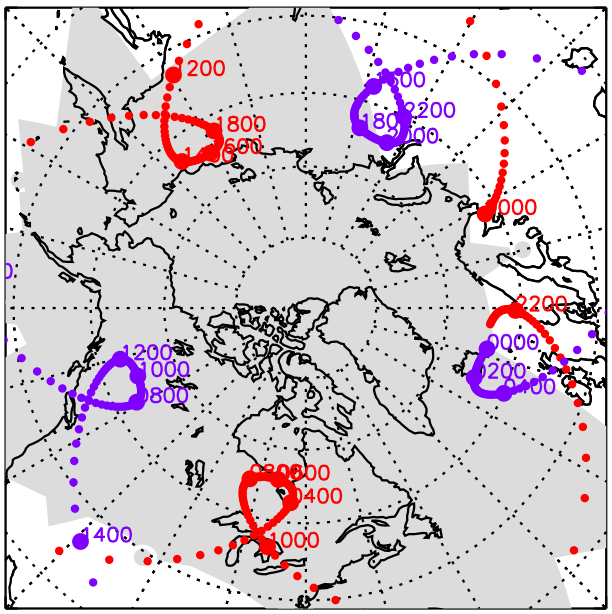


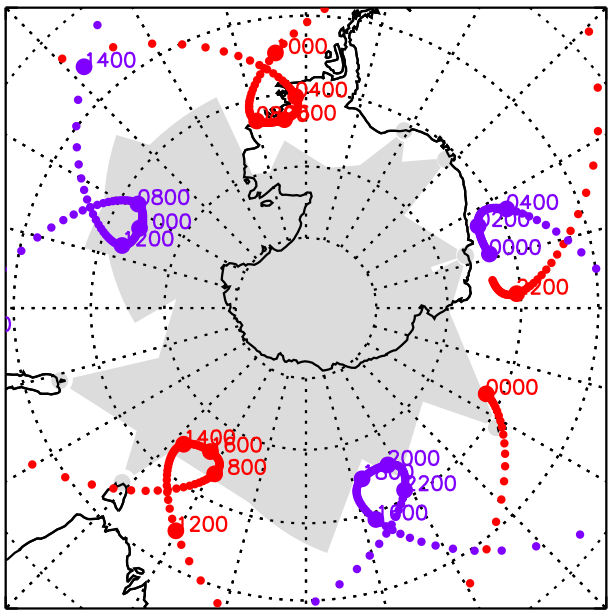


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

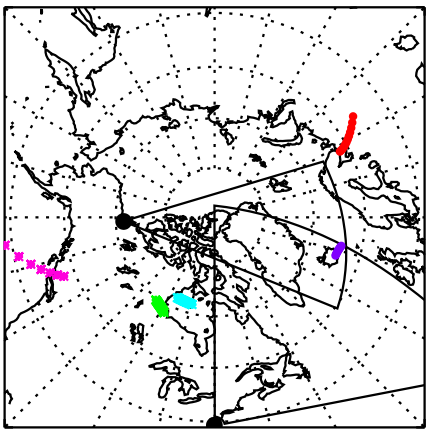
26–Dec–2014

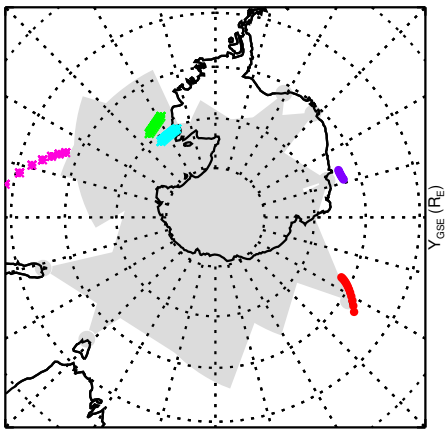
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

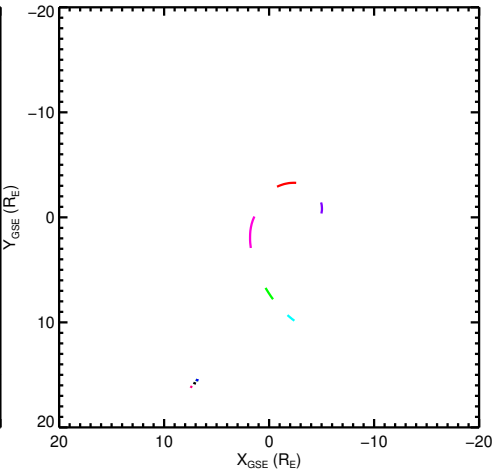




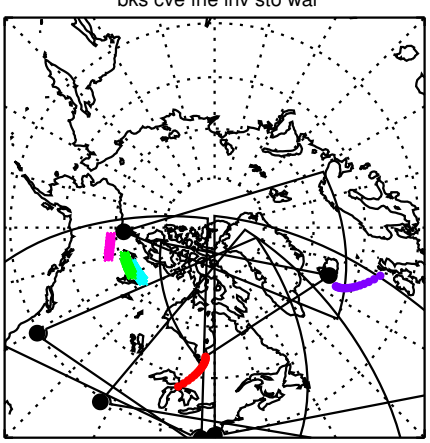
(a) 0000UT to 0100UT
inv wal

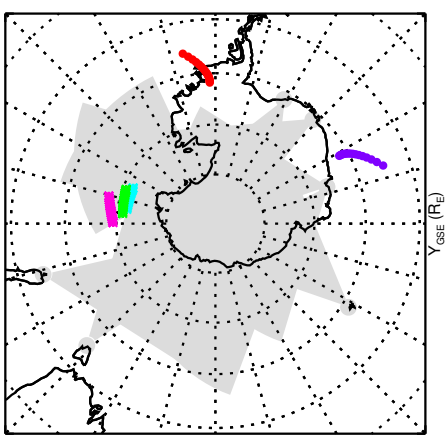


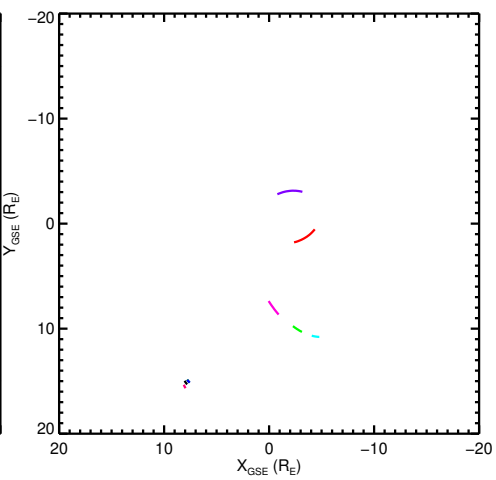




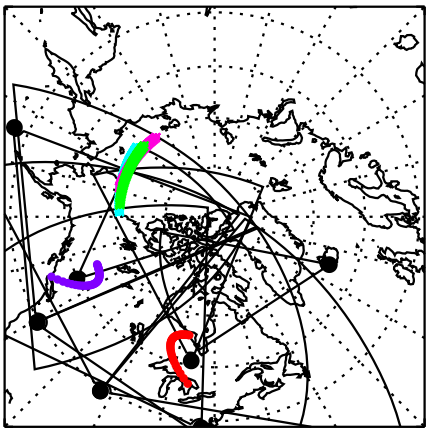
(b) 0310UT to 0430UT
bks cve fhe inv sto wal



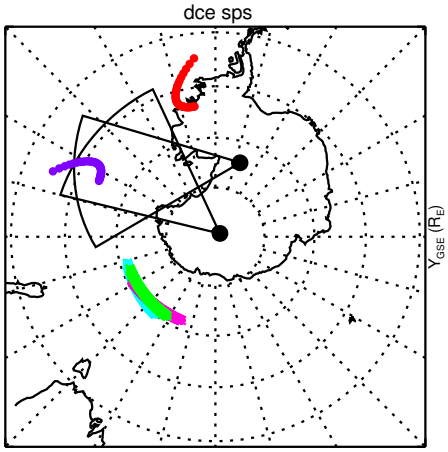


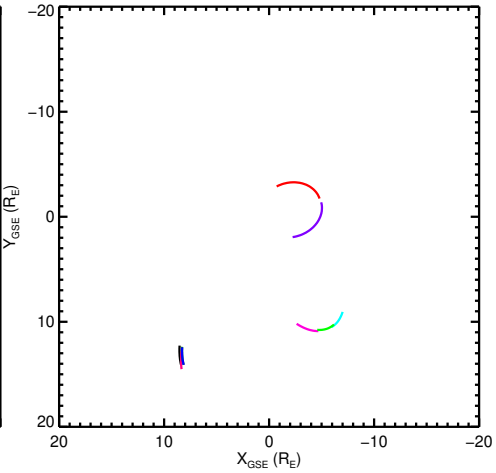


(c) 0635UT to 1000UT
ade bks cve cvw fhe fhw kap pgr sto

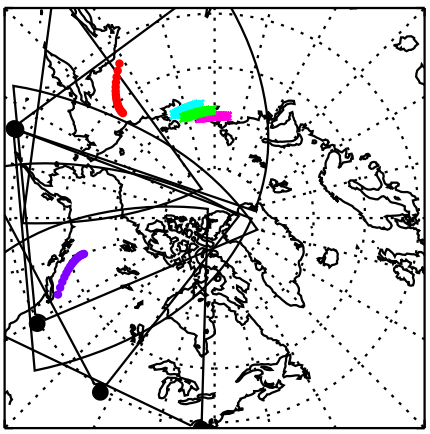


dce sps

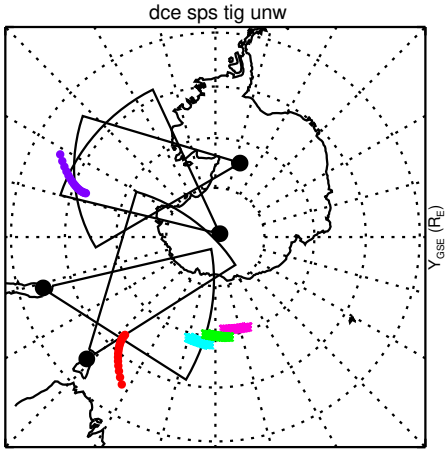


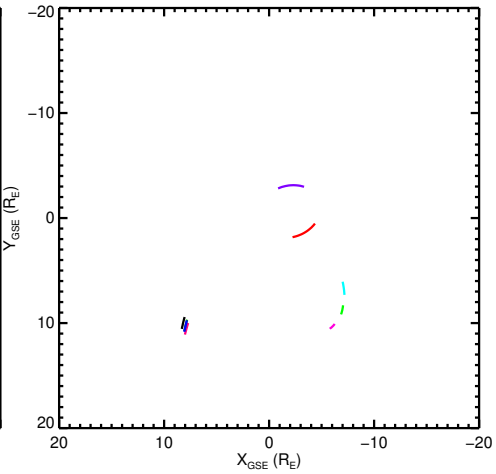


(d) 1205UT to 1330UT
ade adw bks cvw fhw hok

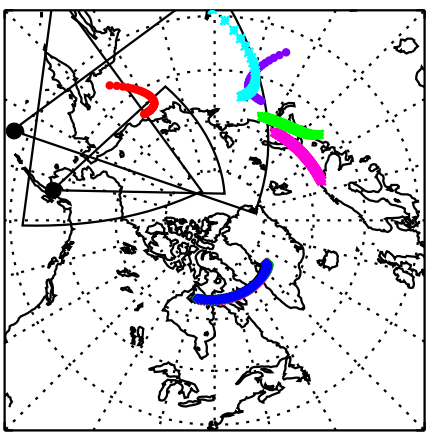


dce sps tig unw

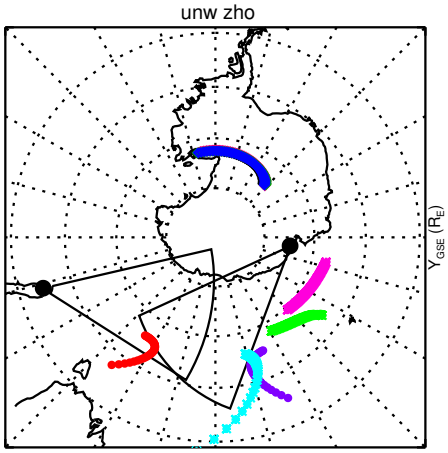


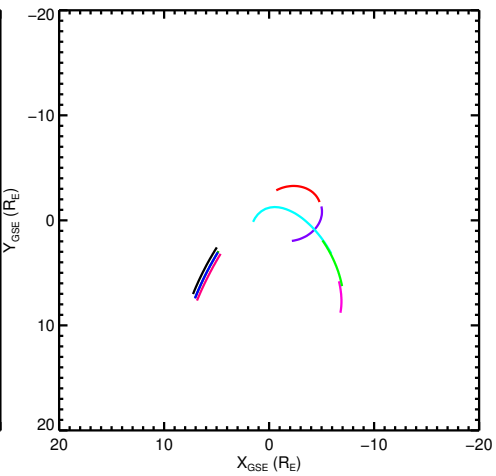


(e) 1535UT to 1900UT
adw hok ksr

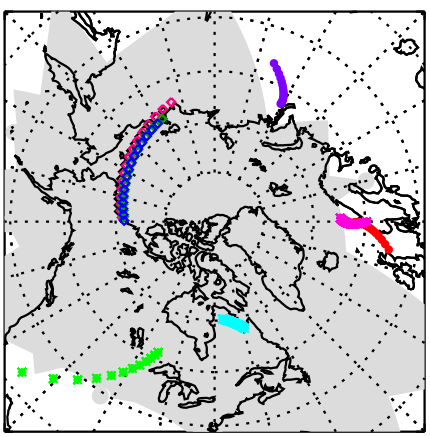


unw zho

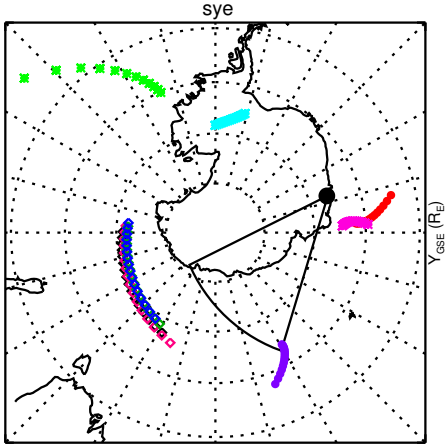


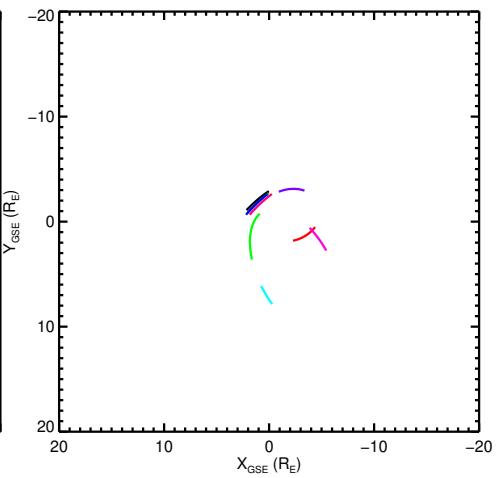


(f) 2105UT to 2230UT



sye

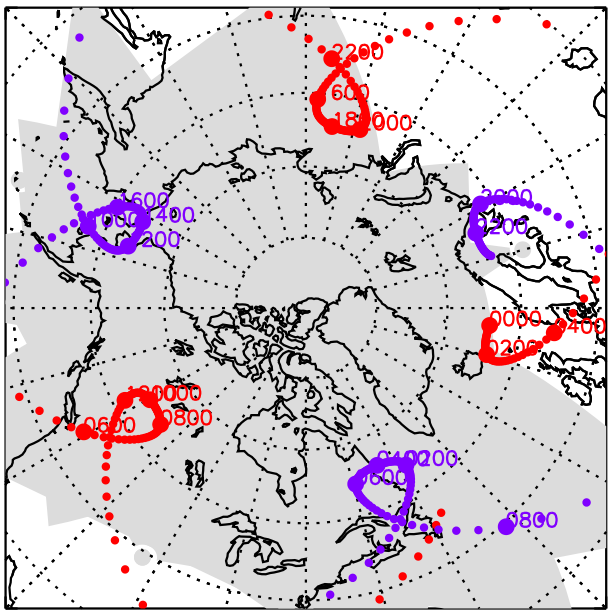


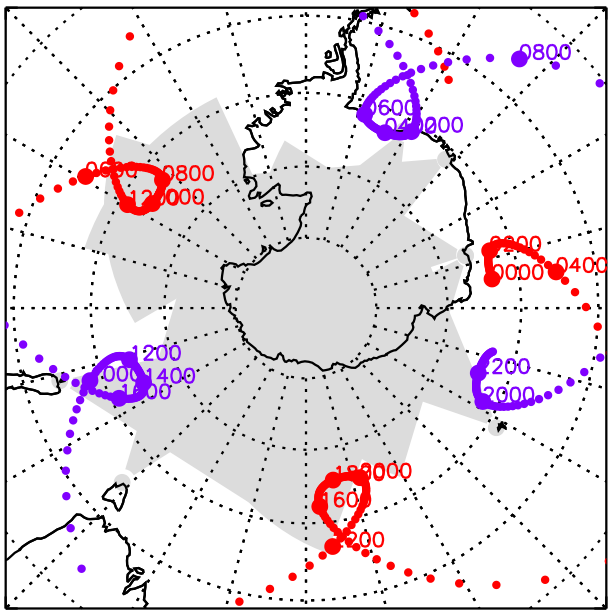


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

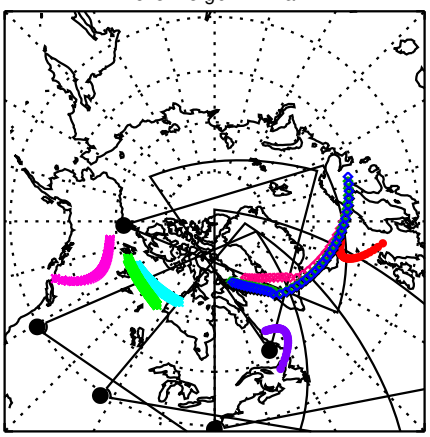
27−Dec−2014

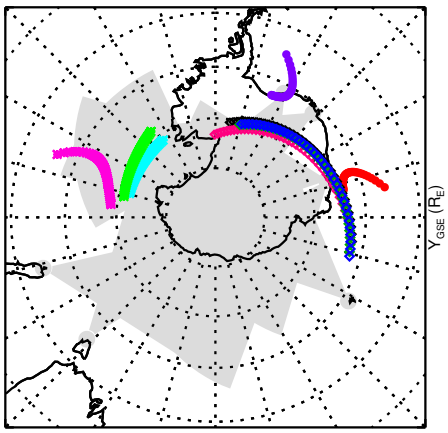
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

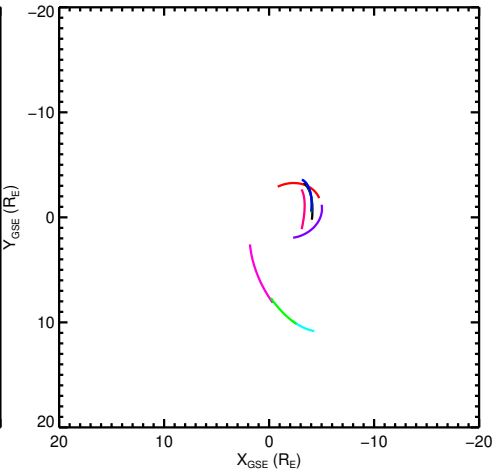




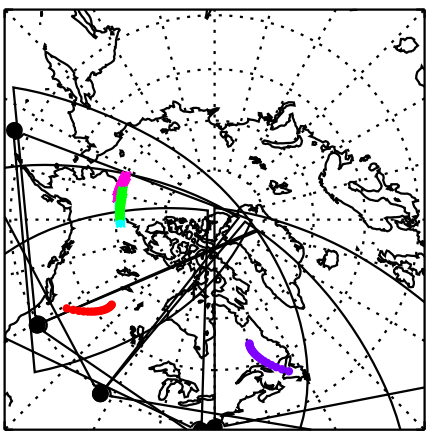
(a) 0040UT to 0355UT
cve fhe gbr inv wal



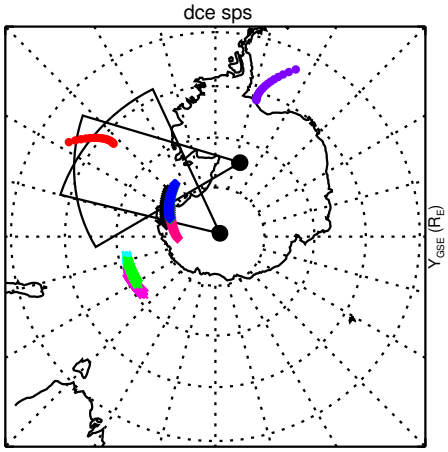


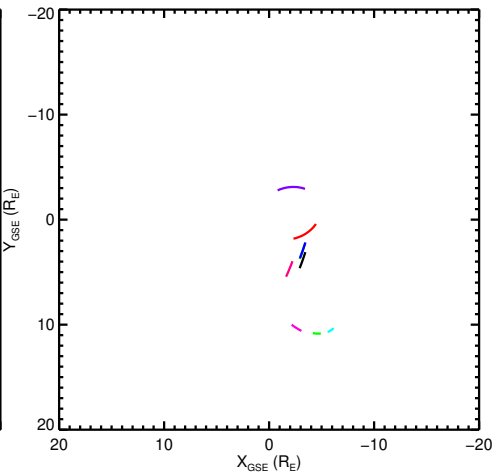


(b) 0605UT to 0735UT
ade bks cve cvw fhe fhw wal



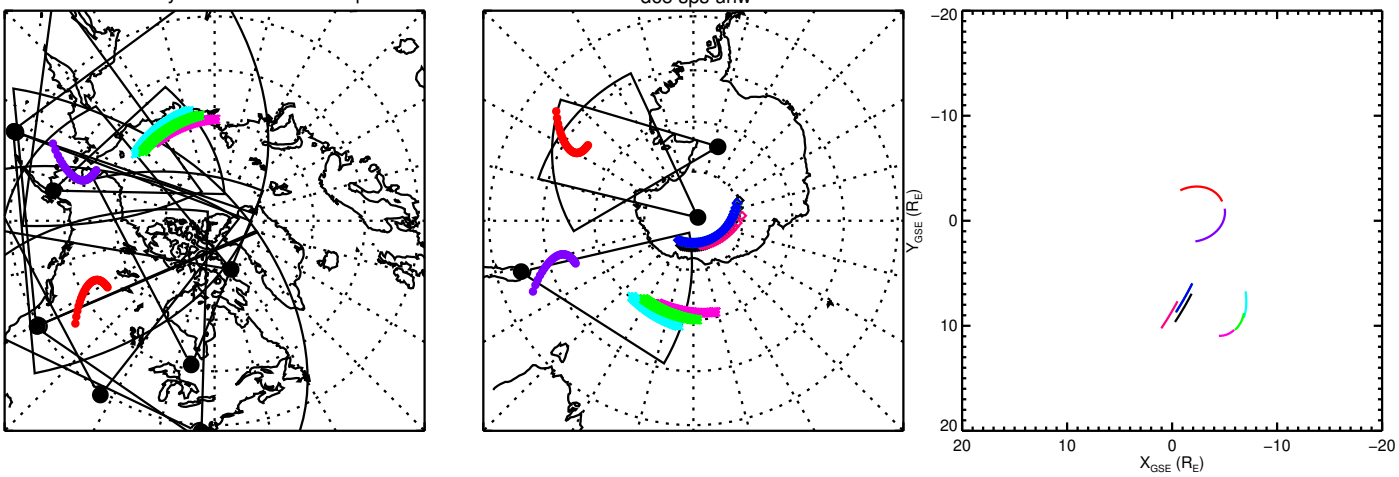
dce sps





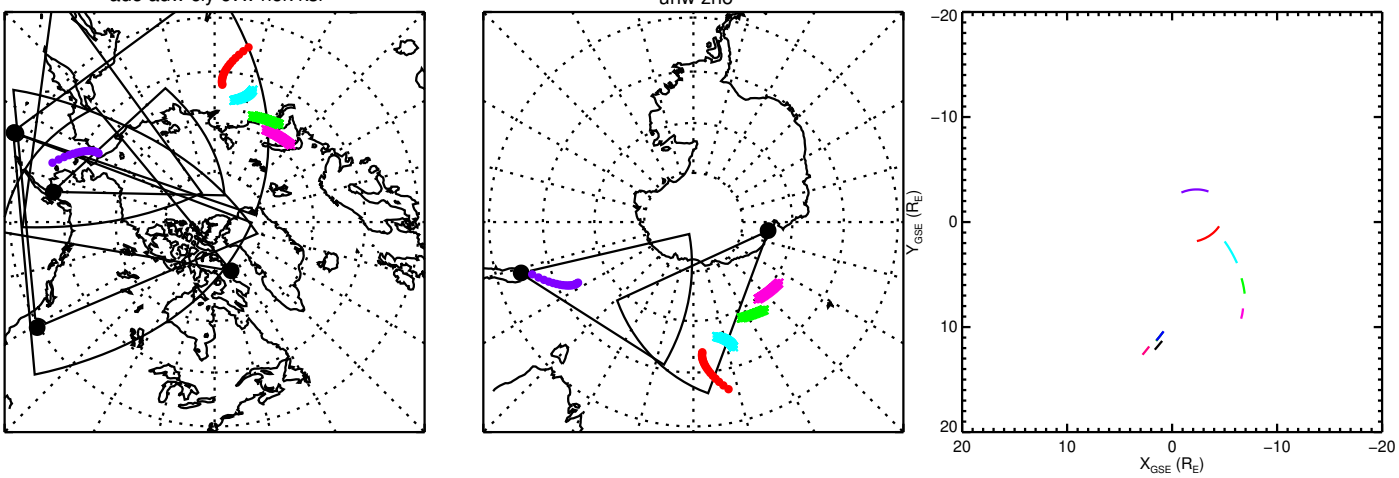
(c) 0940UT to 1255UT
ade adw bks cly cve cvw fhw hok kap ksr

dce sps unw



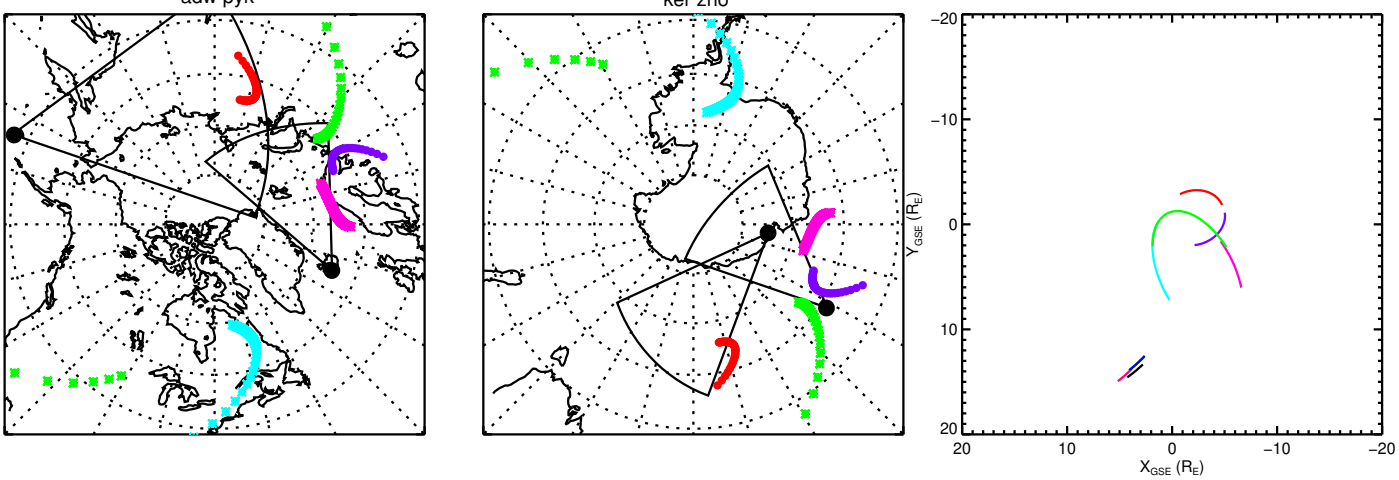
(d) 1505UT to 1635UT
ade adw cly cvw hok ksr

unw zho



(e) 1840UT to 2155UT
adw pyk

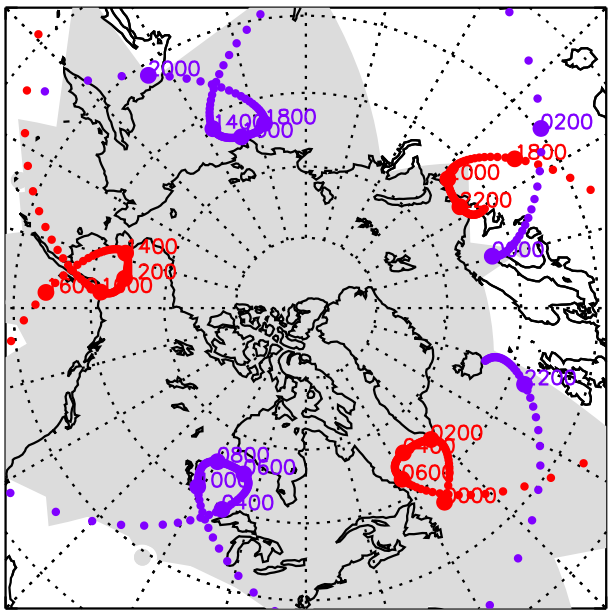
ker zho

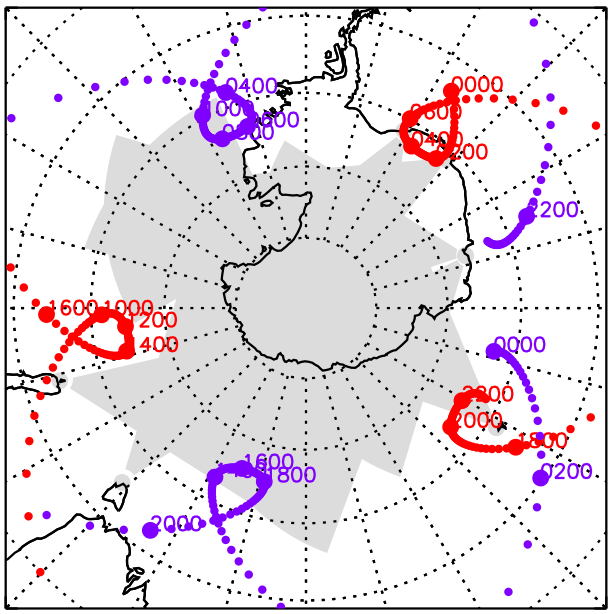


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

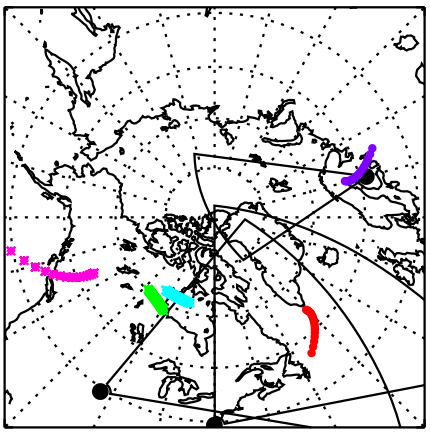
28–Dec–2014

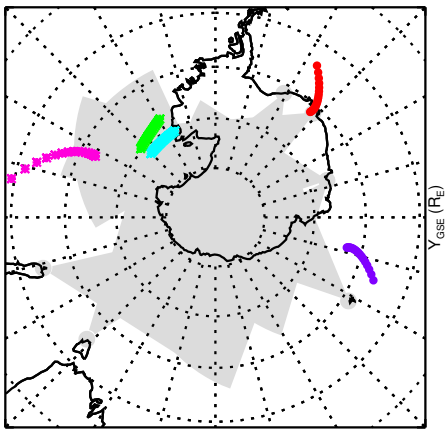
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

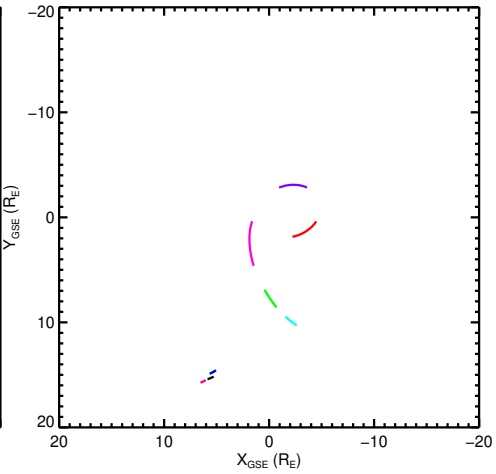




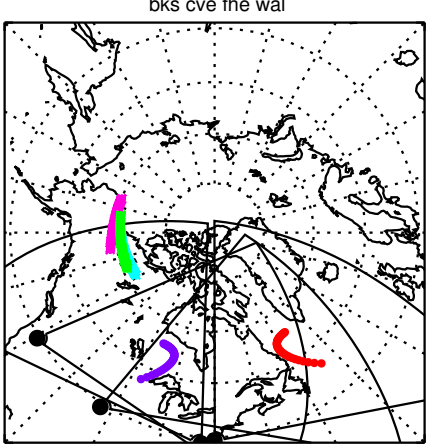
(a) 0000UT to 0135UT
fhe han wal



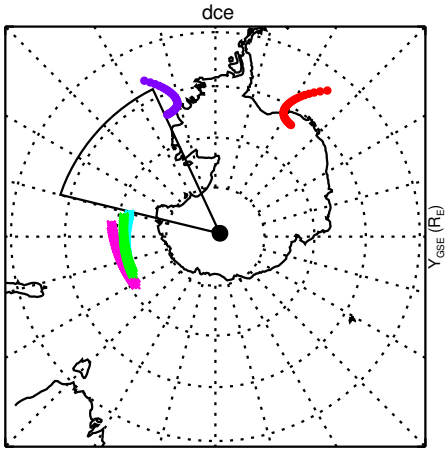


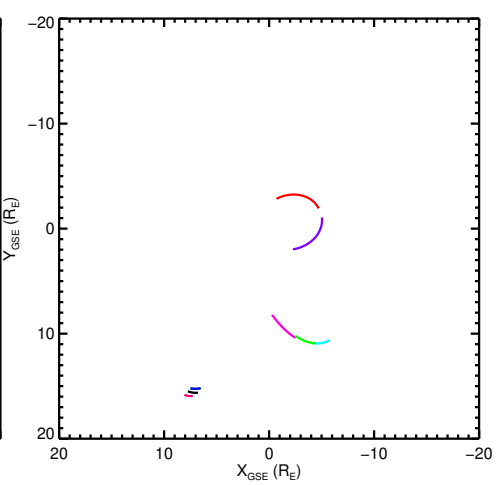


(b) 0345UT to 0655UT
bks cve fhe wal

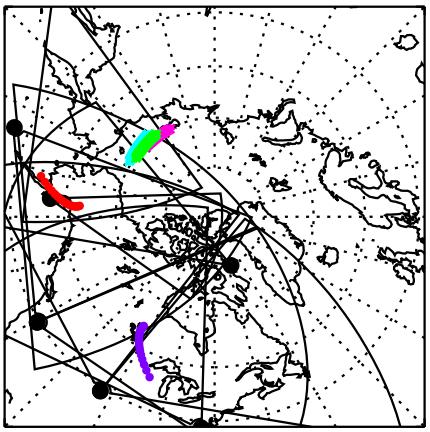


dce

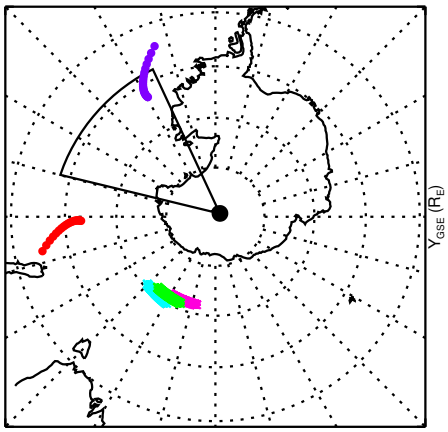


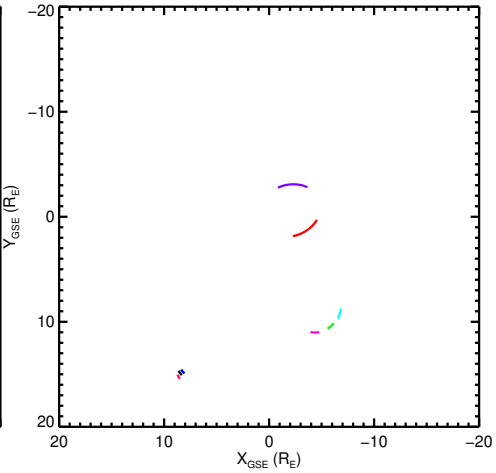


(c) 0900UT to 1040UT
ade bks cly cve cvw fhe fhw hok kod

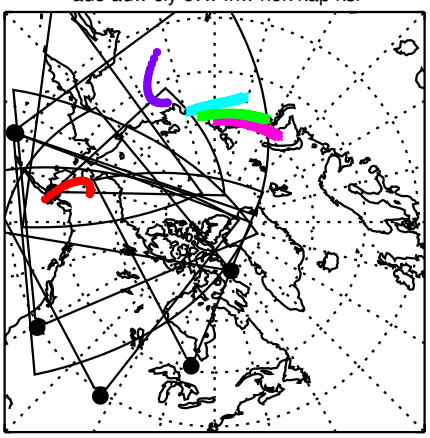


dce

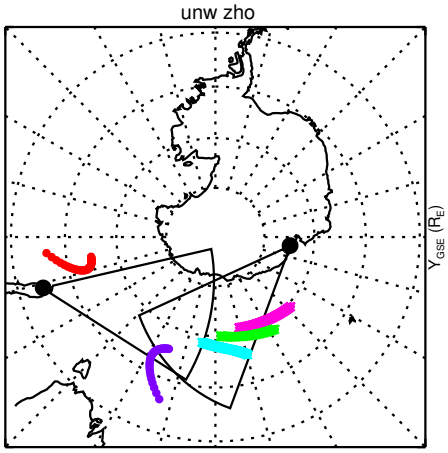


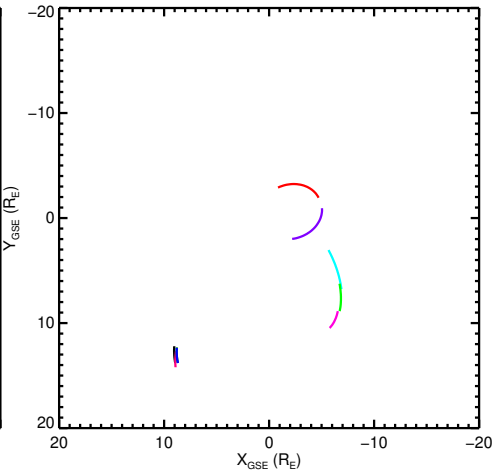


(d) 1245UT to 1550UT
ade adw cly cvw fhw hok kap ksr

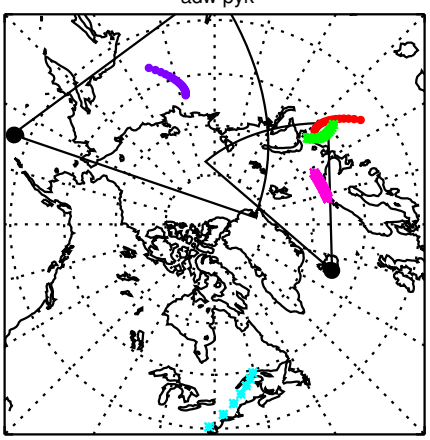


unw zho

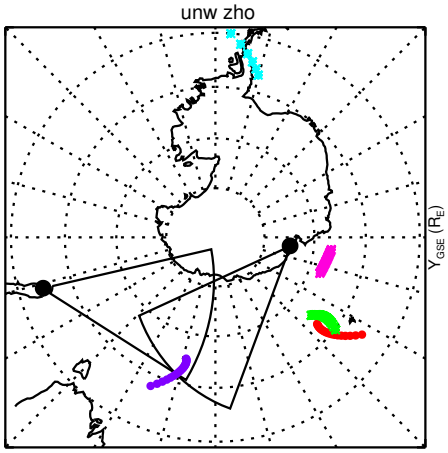


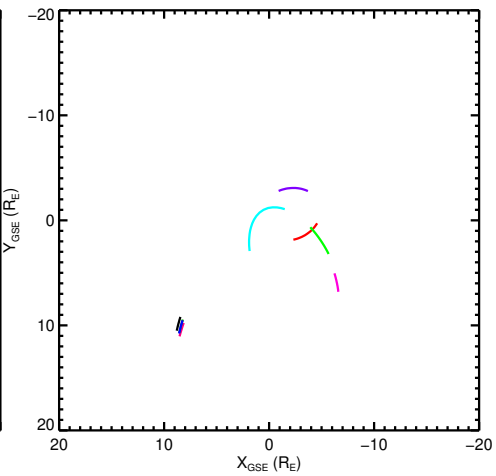


(e) 1800UT to 1940UT
adw pyk

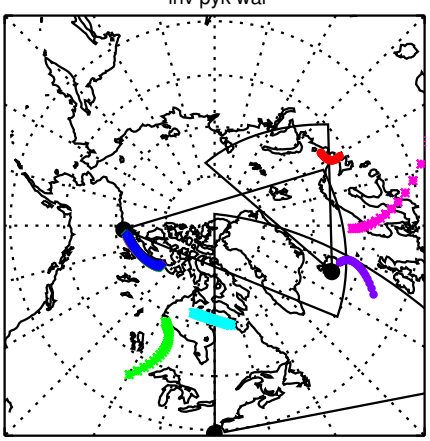


unw zho

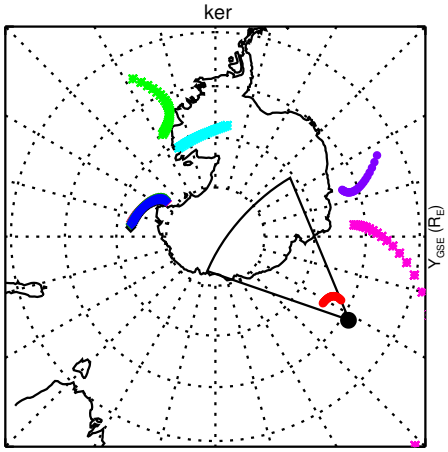


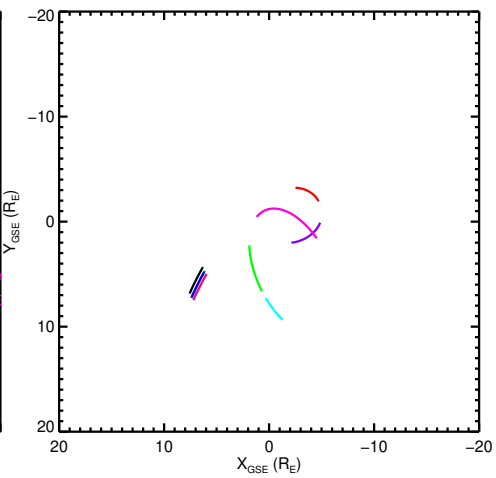


(f) 2145UT to 2355UT
inv pyk wal



ker

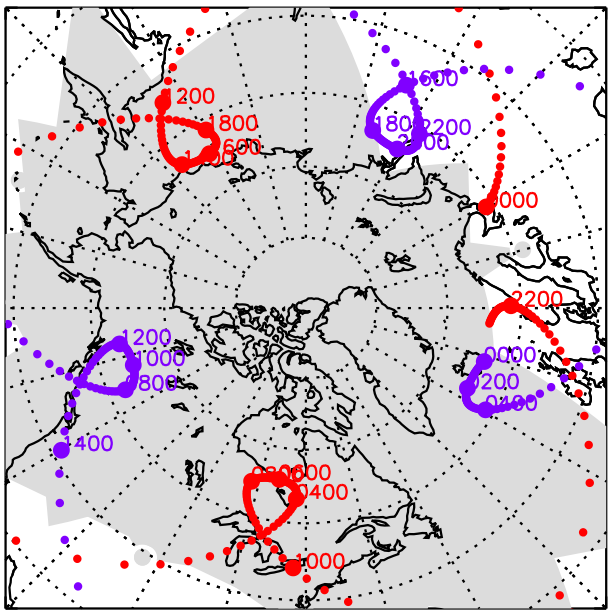


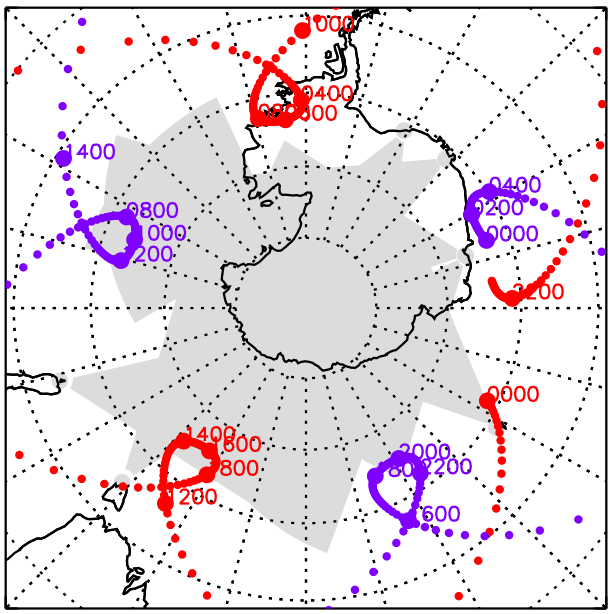


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

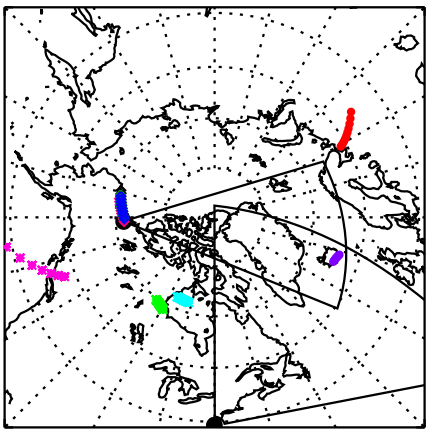
29–Dec–2014

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

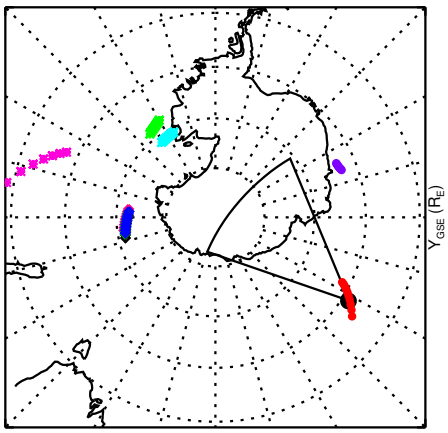


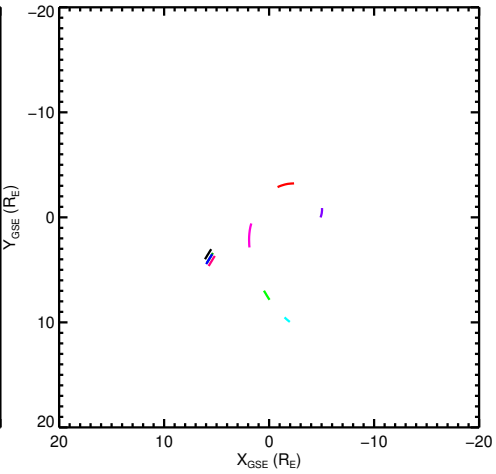


(a) 0000UT to 0050UT
inv wal

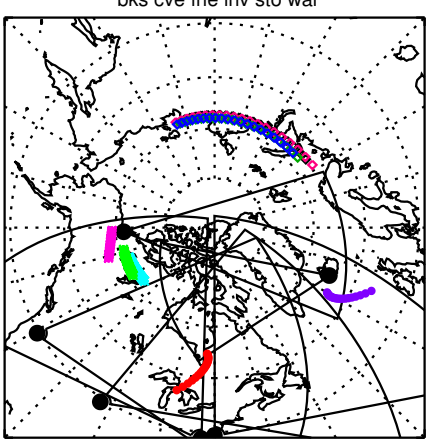


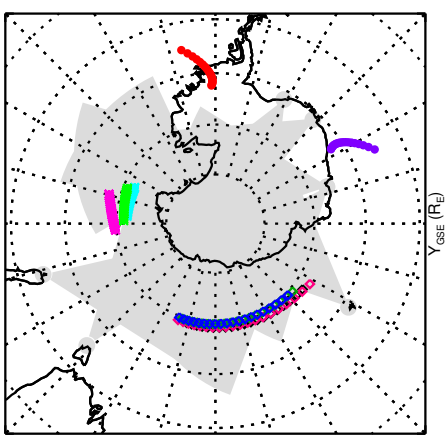
ker

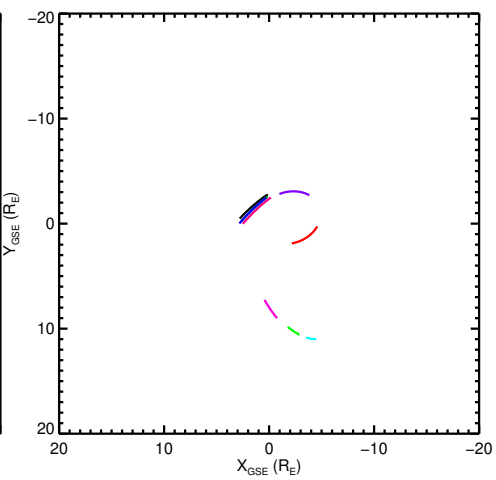




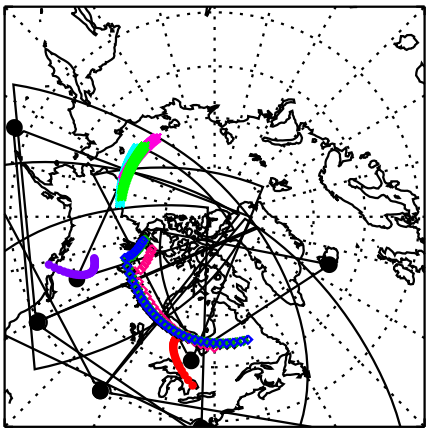
(b) 0255UT to 0440UT
bks cve fhe inv sto wal



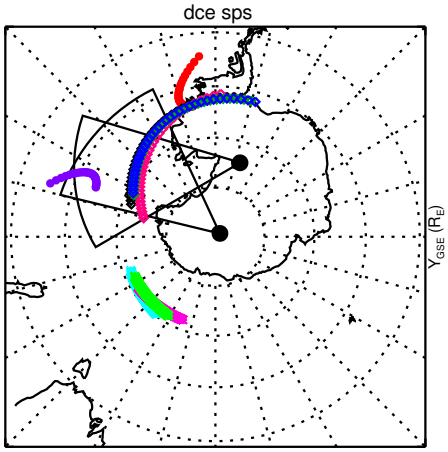


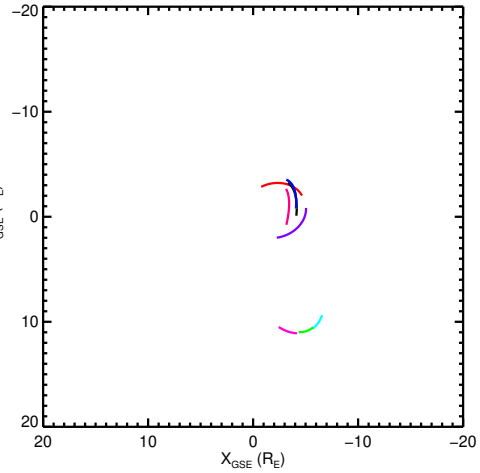


(c) 0650UT to 0950UT
ade bks cve cvw fhe fhw kap pgr sto

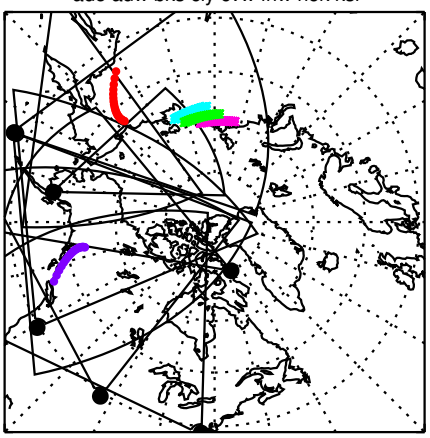


dce sps

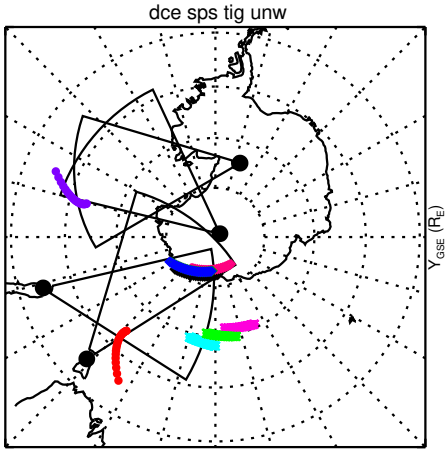


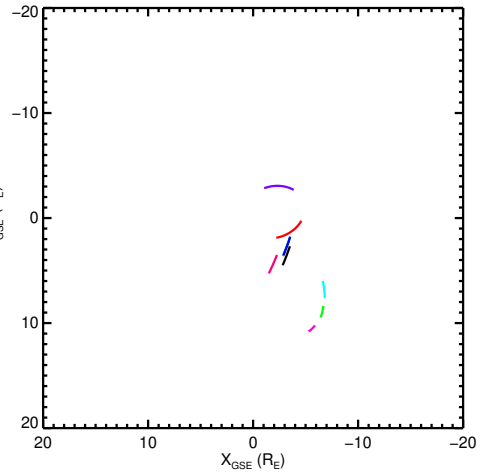


(d) 1155UT to 1340UT
ade adw bks cly cvw fhw hok ksr

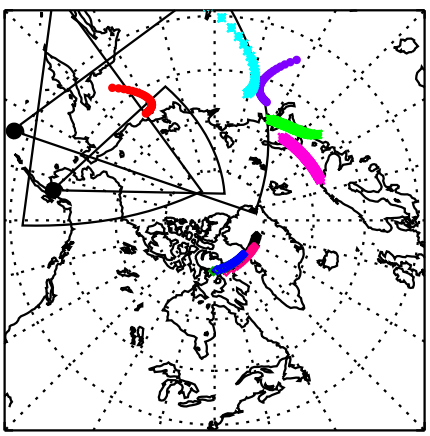


dce sps tig unw

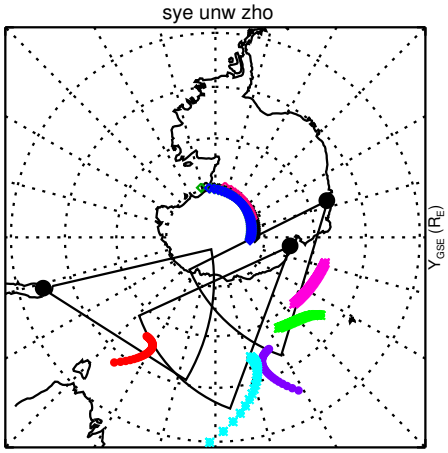


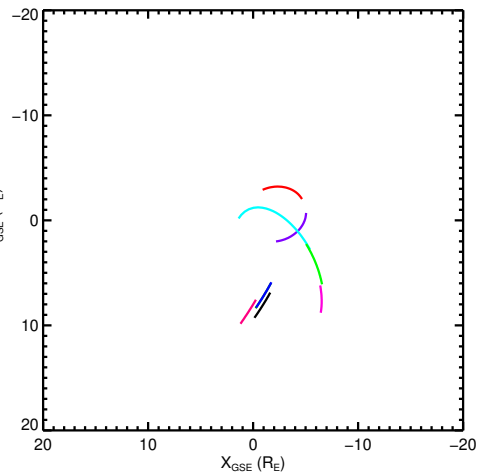


(e) 1550UT to 1845UT
adw hok ksr

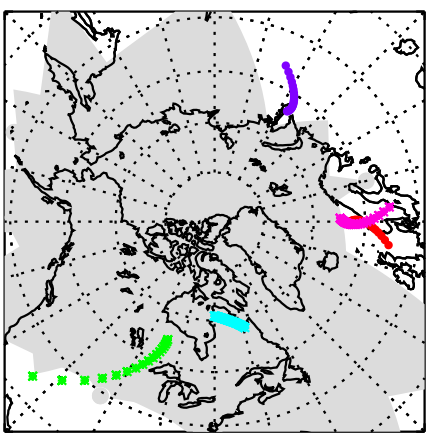


sye unw zho

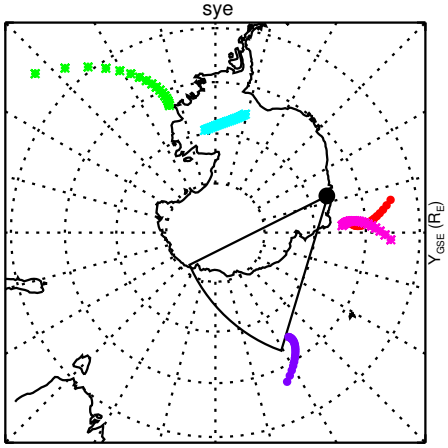


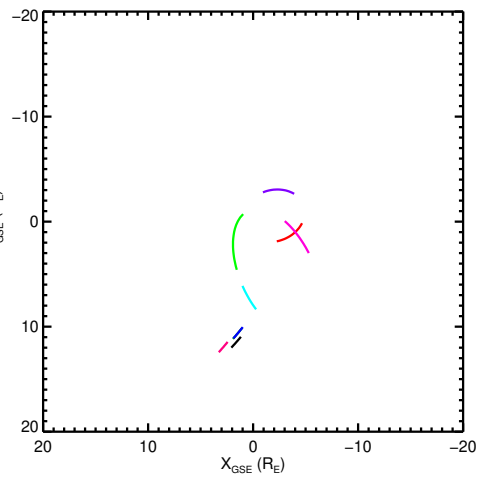


(f) 2055UT to 2245UT



sye

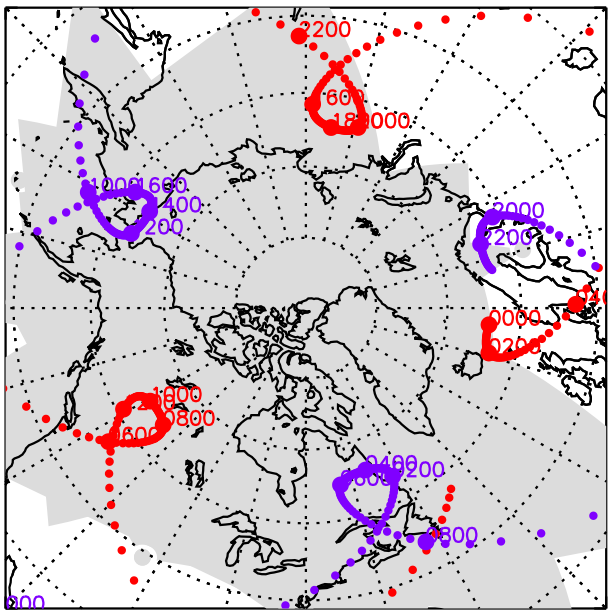


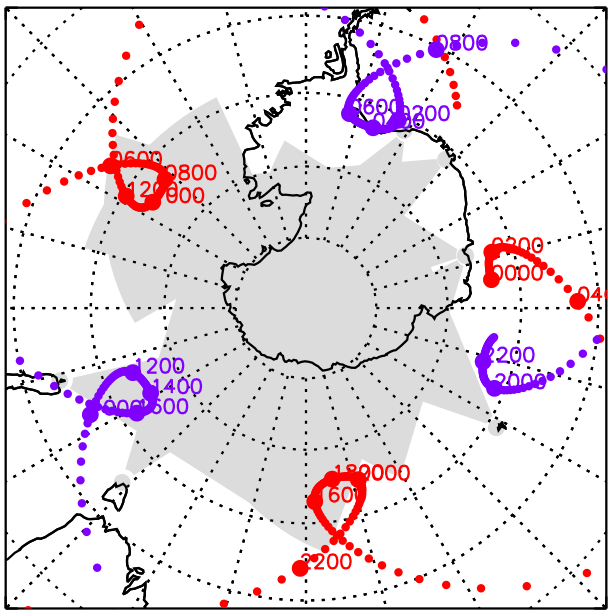


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

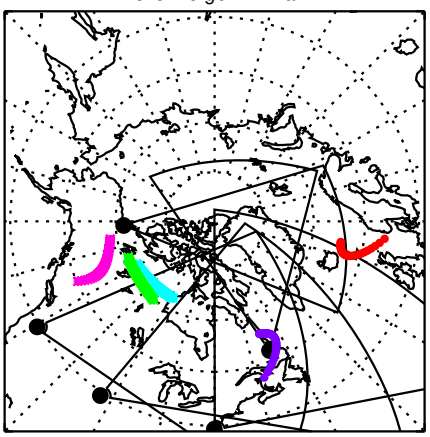
30–Dec–2014

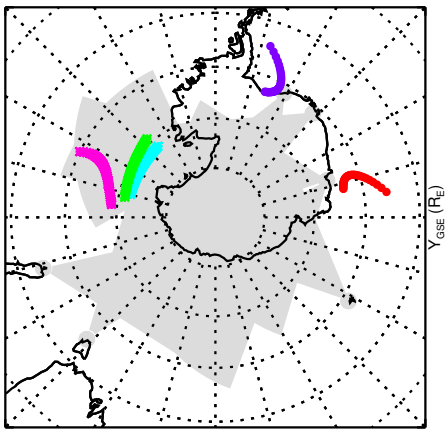
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

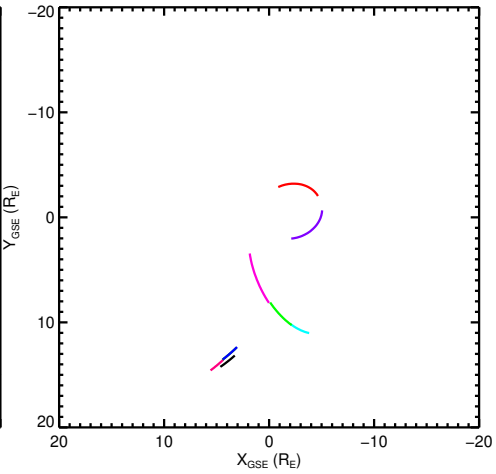




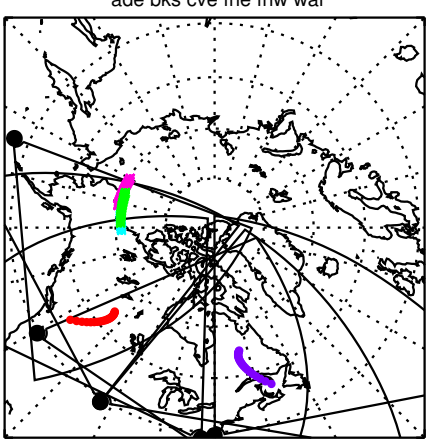
(a) 0050UT to 0345UT
cve fhe gbr inv wal



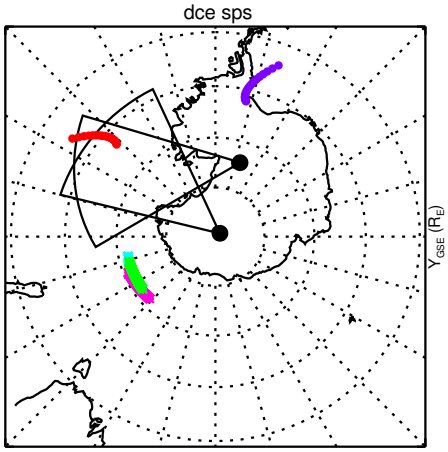


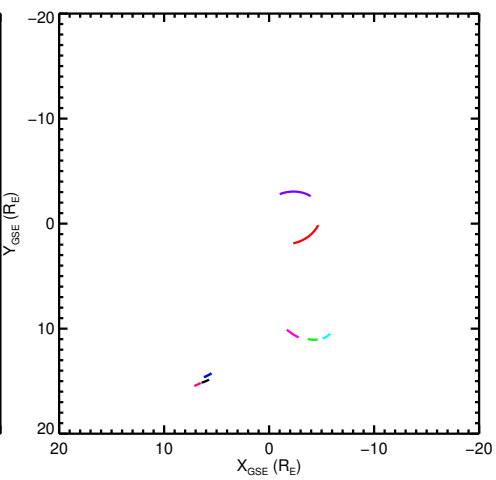


(b) 0555UT to 0745UT
ade bks cve fhe fhw wal



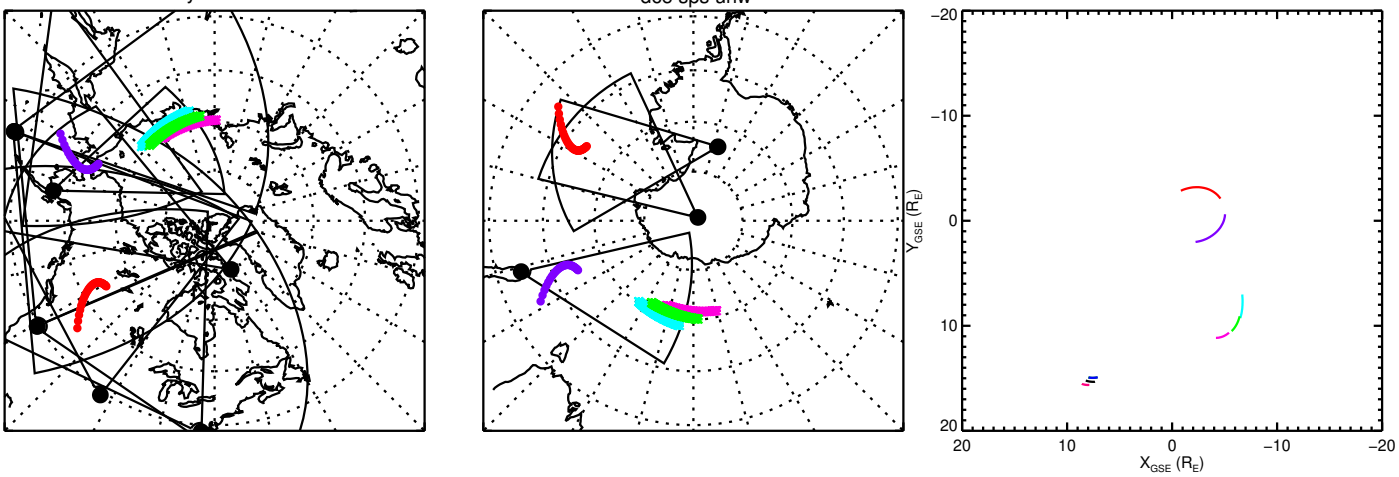
dce sps





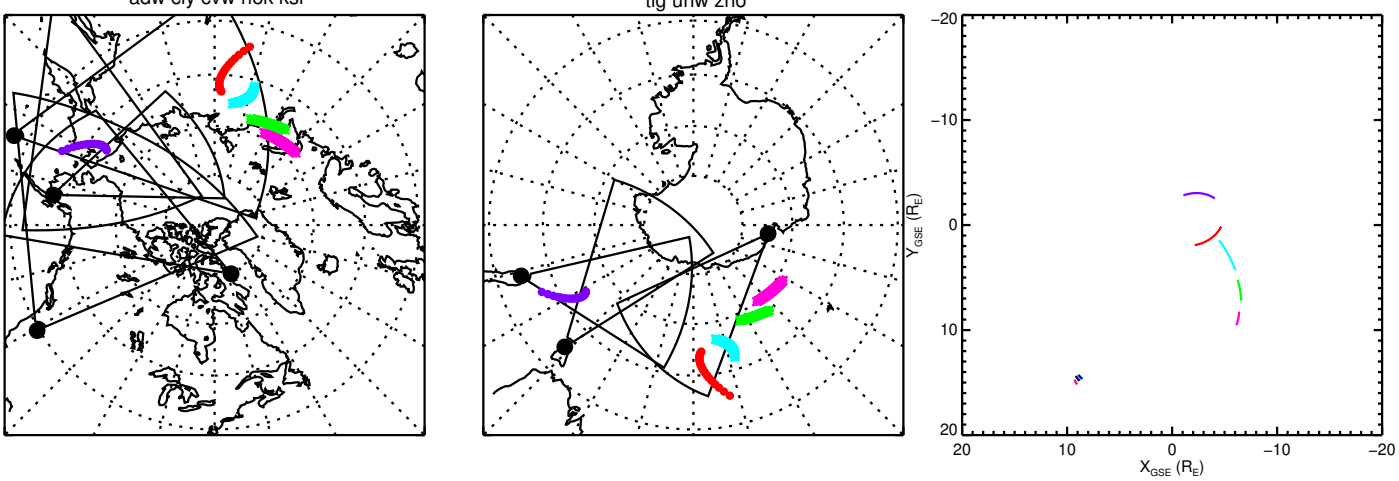
(c) 0955UT to 1245UT
ade adw bks cly cve cvw fhw hok ksr

dce sps unw



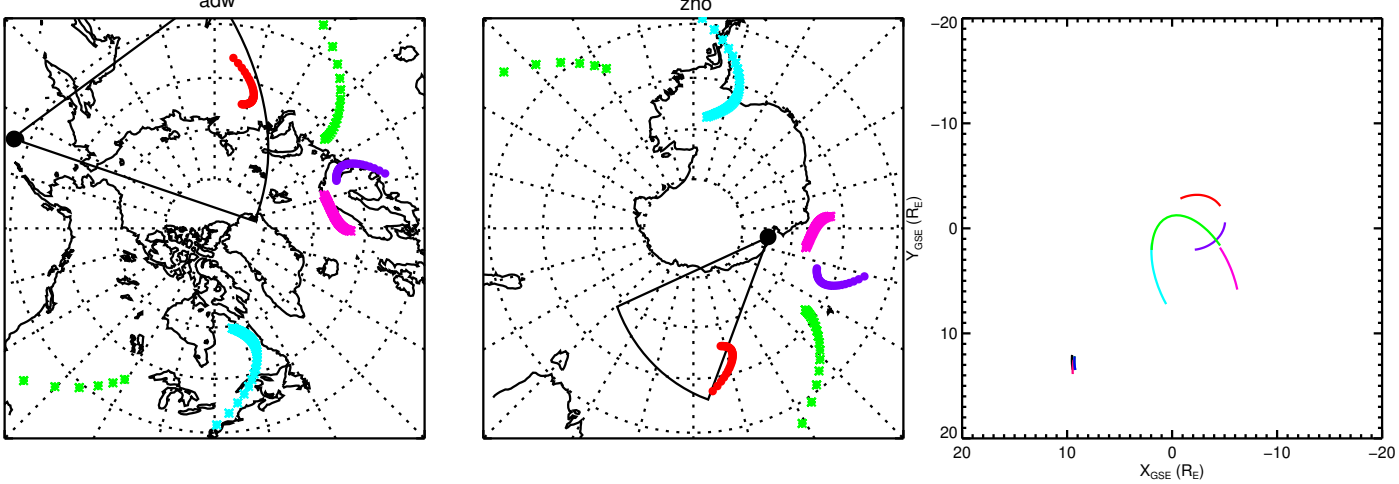
(d) 1450UT to 1645UT
adw cly cvw hok ksr

tig unw zho

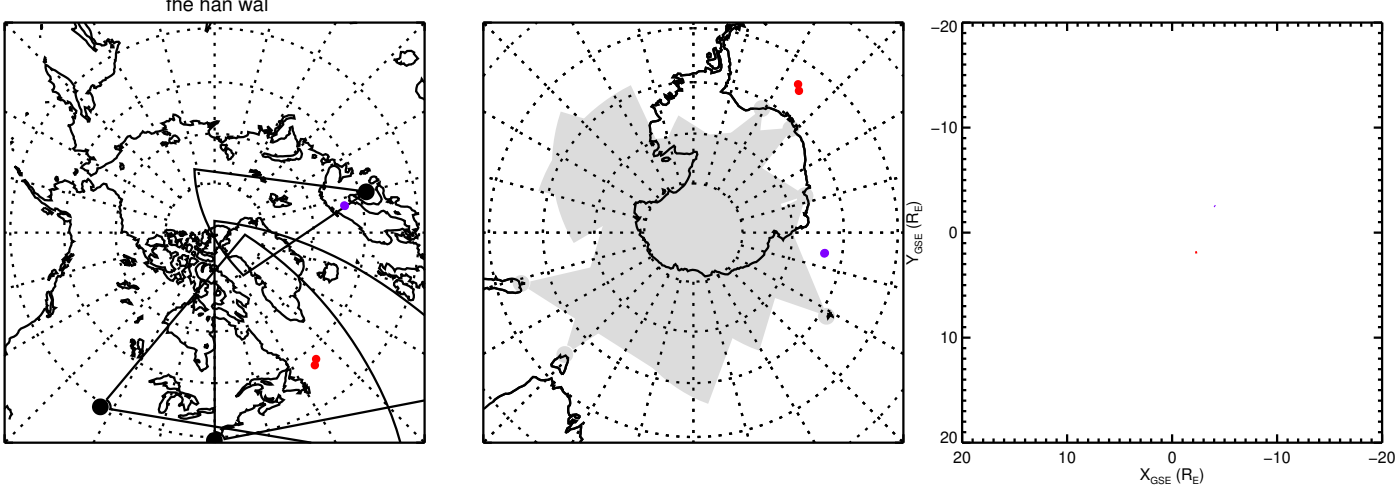


(e) 1855UT to 2145UT
adw

zho



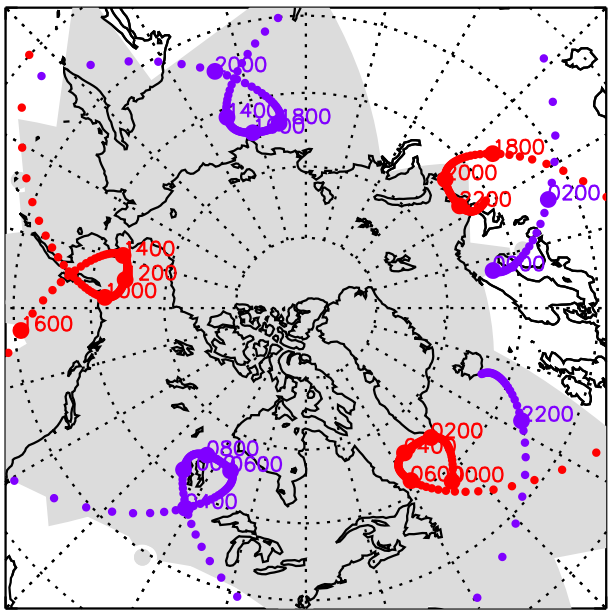
(f) 2350UT to 2355UT
fhe han wal

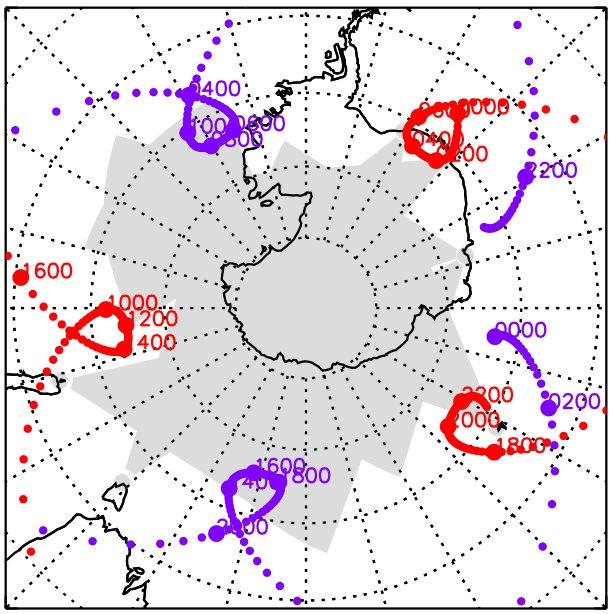


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

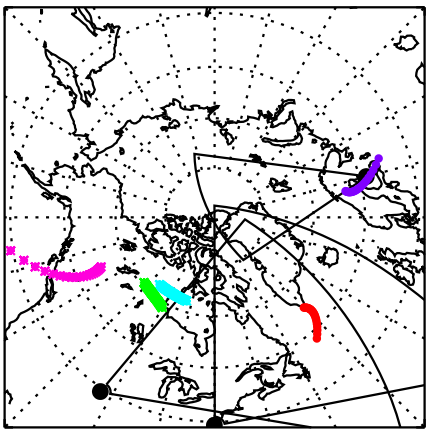
31−Dec−2014

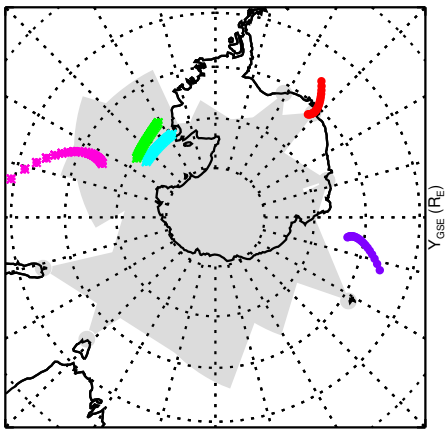
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

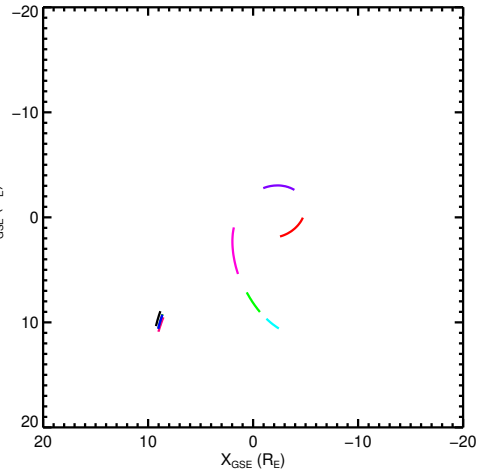




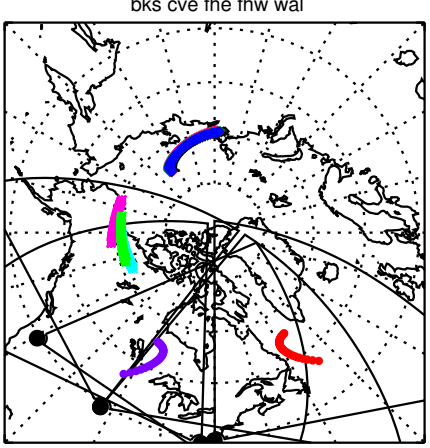
(a) 0000UT to 0150UT
fhe han wal



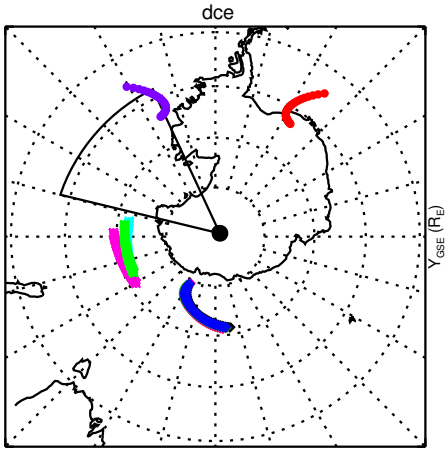


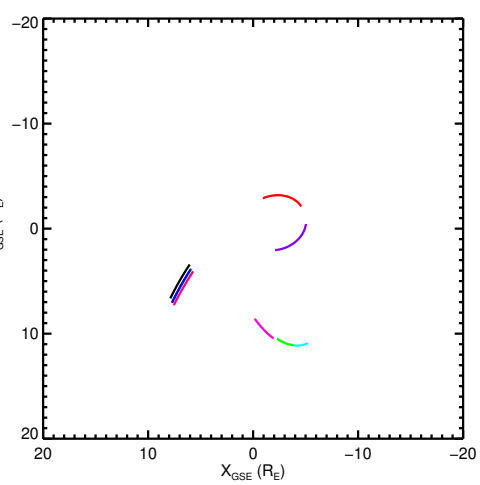


(b) 0355UT to 0640UT
bks cve fhe fhw wal

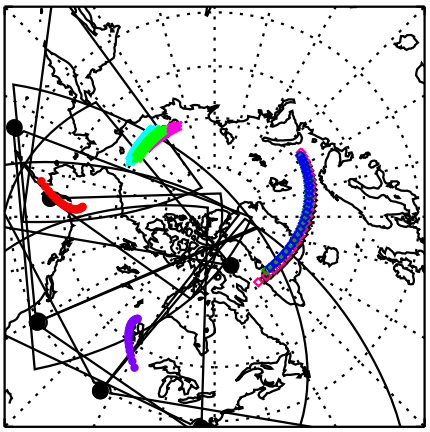


dce

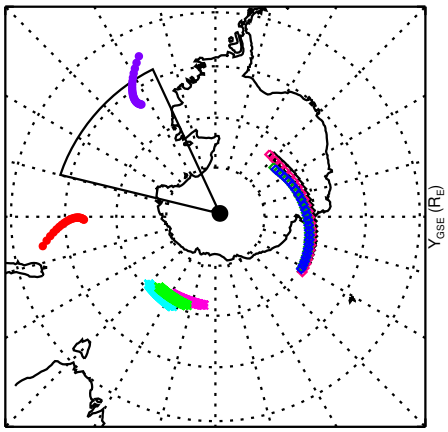


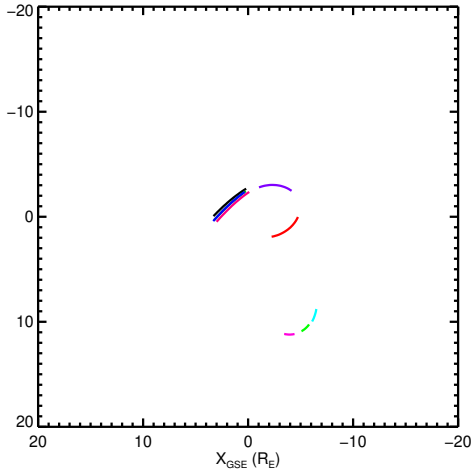


(c) 0850UT to 1050UT
ade bks cly cve cvw fhe fhw hok kod

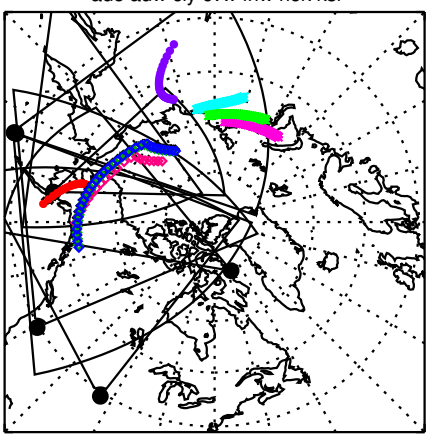


dce

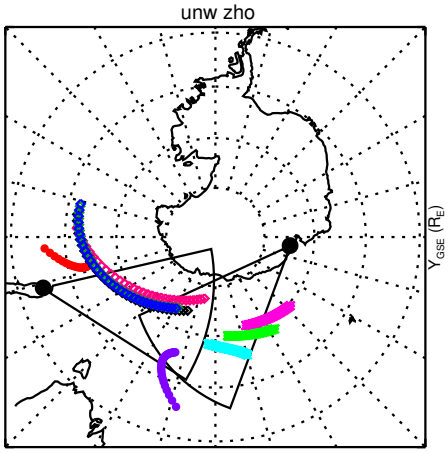


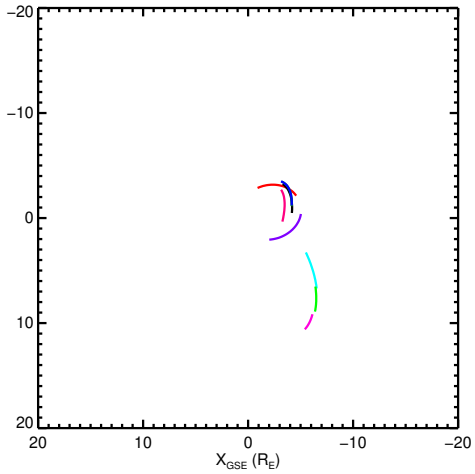


(d) 1255UT to 1540UT
ade adw cly cvw fhw hok ksr

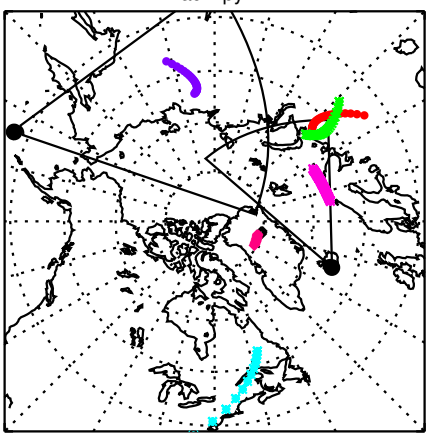


unw zho

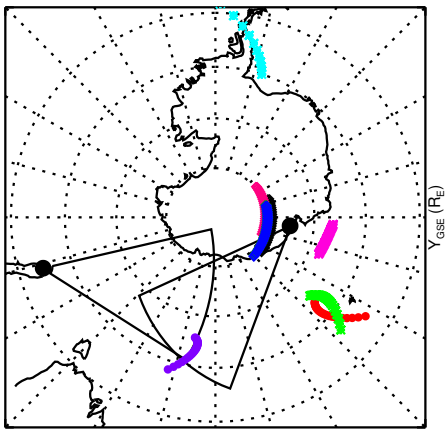


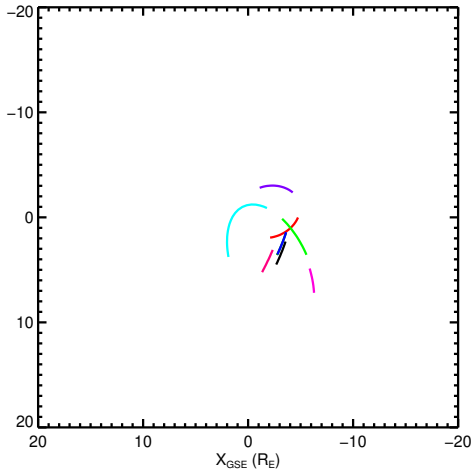


(e) 1745UT to 1950UT
adw pyk

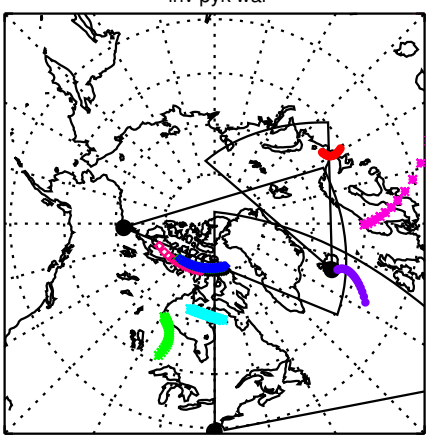
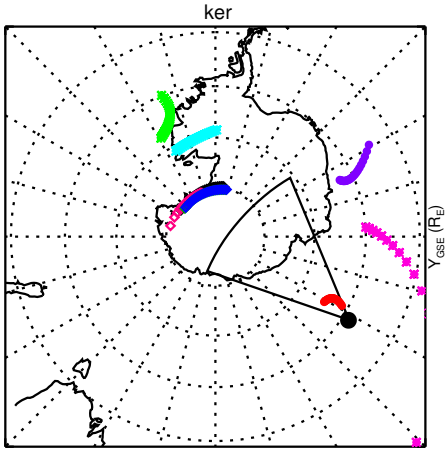
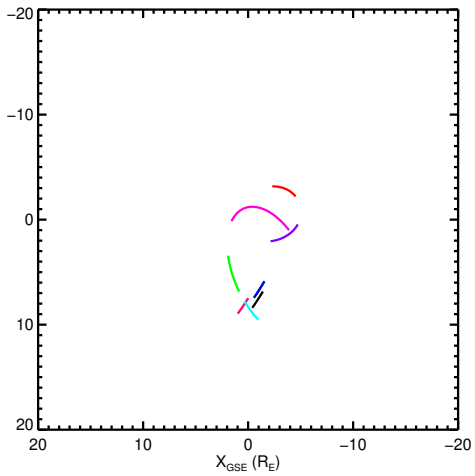


unw zho





(f) 2200UT to 2355UT
inv pyk wal



ker