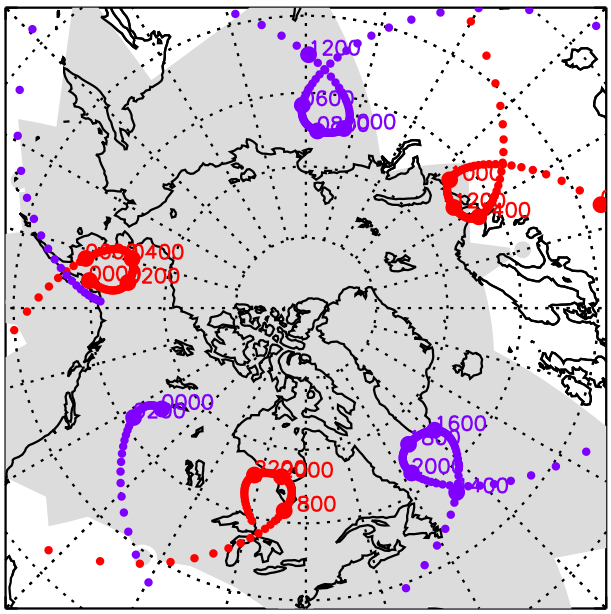
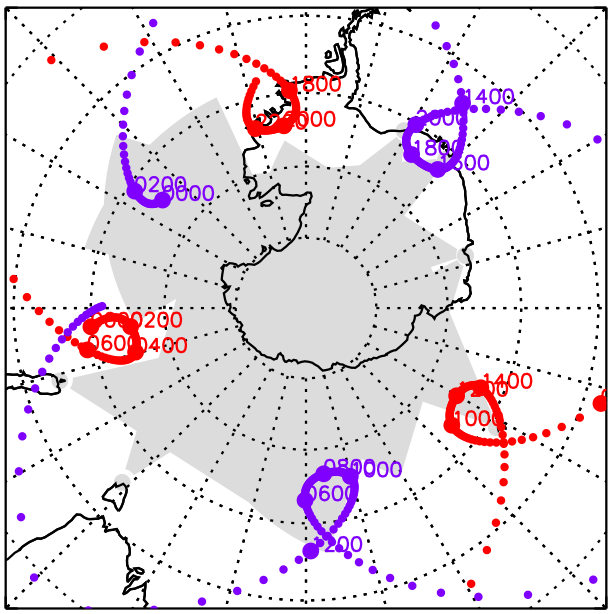
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

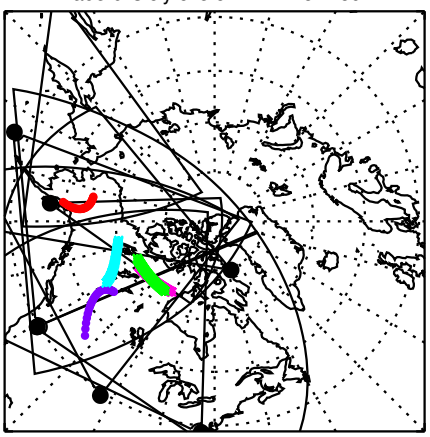
01−Dec−2013

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

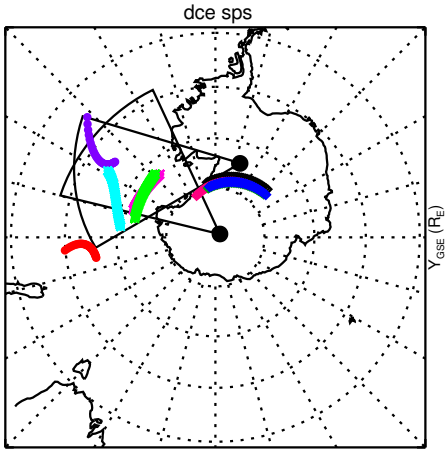


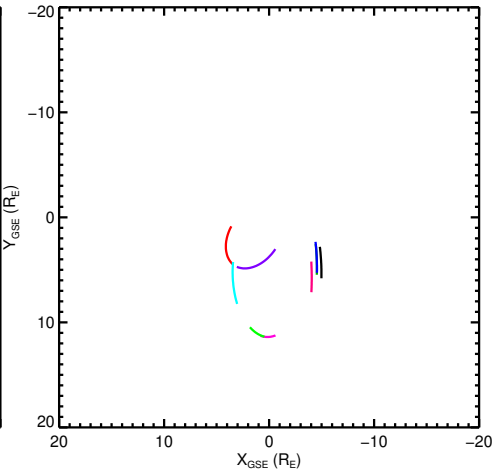


(a) 0000UT to 0250UT
ade bks cly cve cvw fhw hok kod

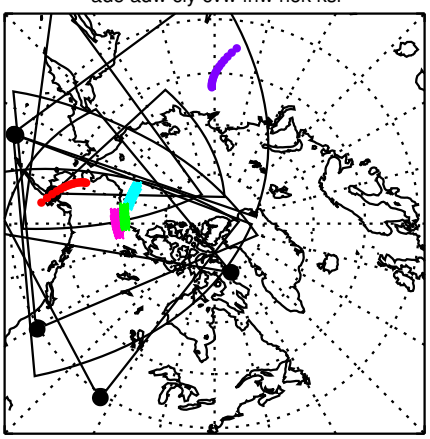


dce sps

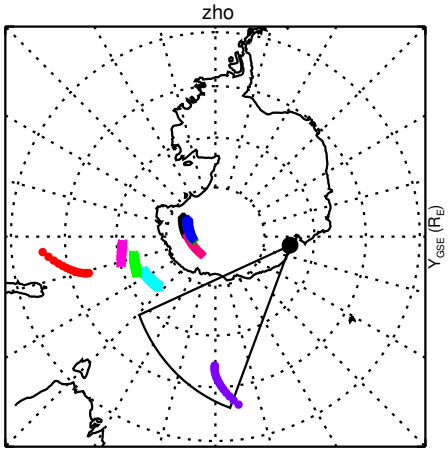


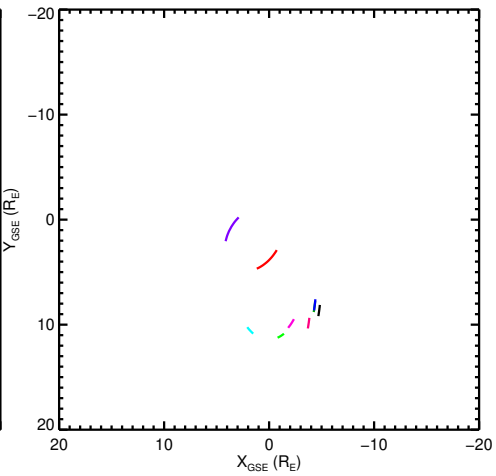


(b) 0500UT to 0620UT
ade adw cly cvw fhw hok ksr

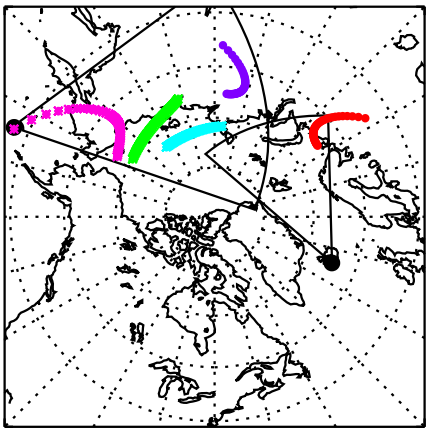


zho

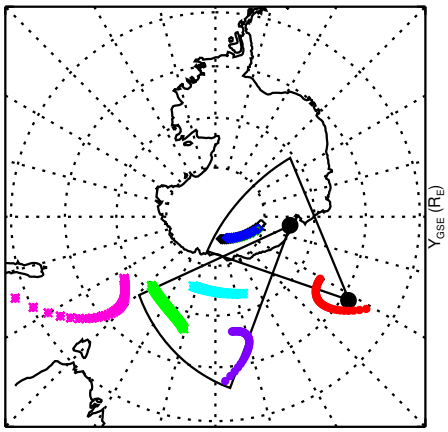


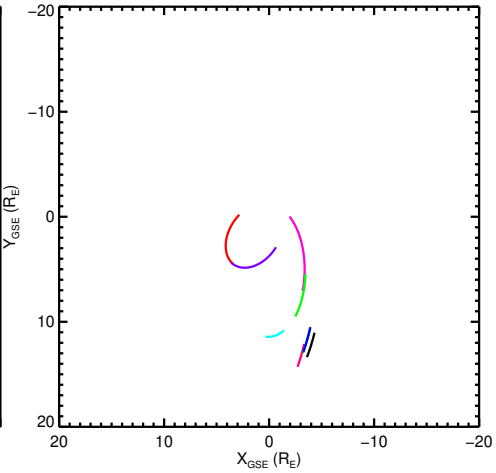


(c) 0825UT to 1155UT
adw pyk

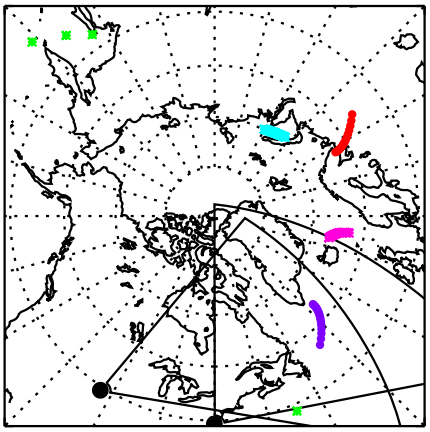


ker zho





(d) 1400UT to 1515UT
fhe wal



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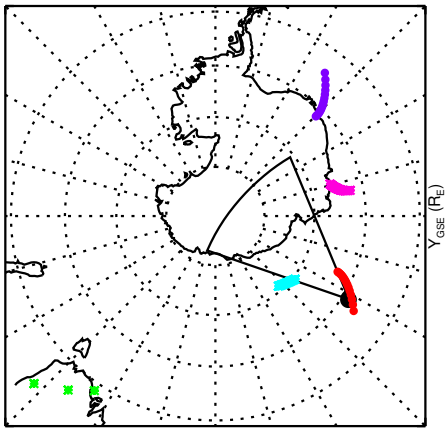
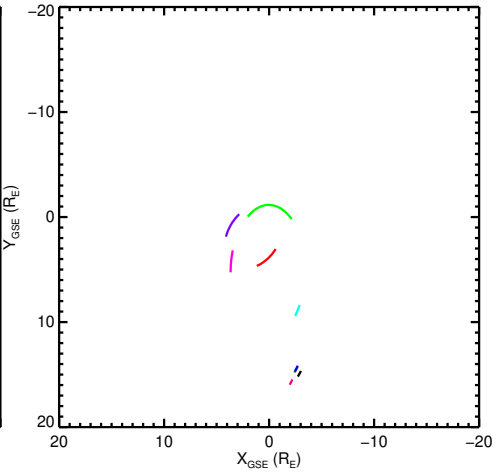
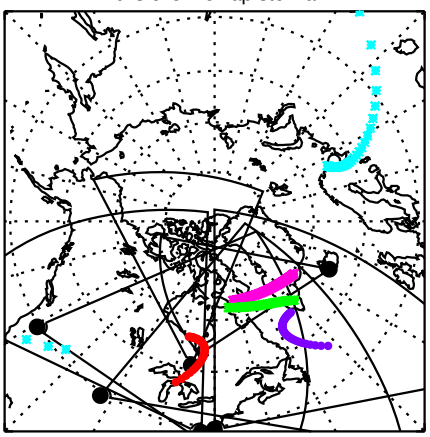




(e) 1725UT to 2055UT
bks cve fhe kap sto wal



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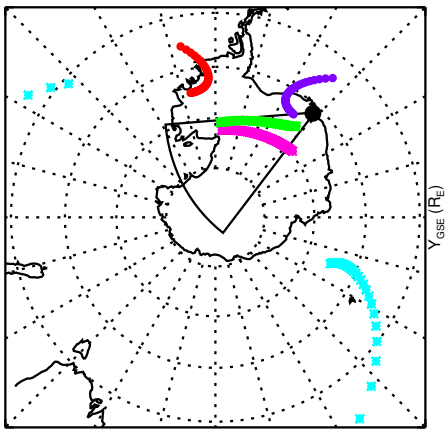
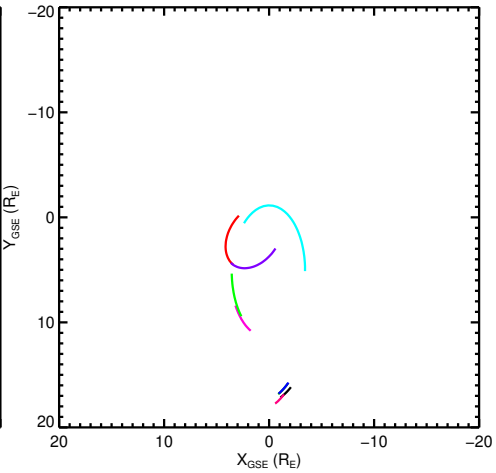
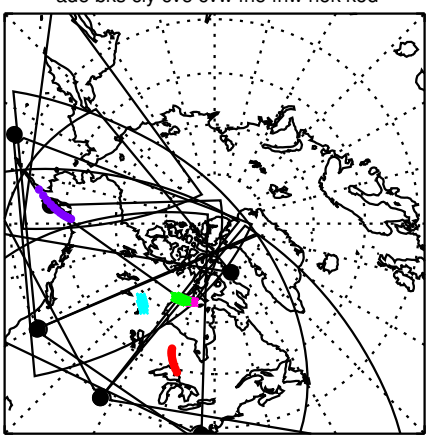
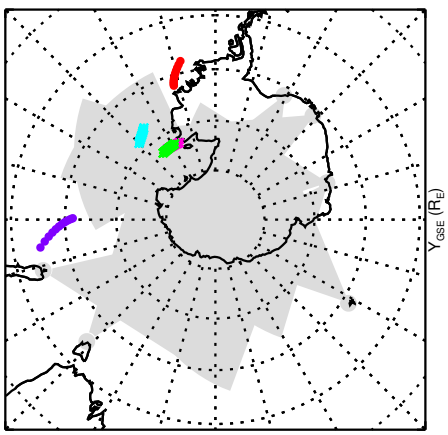
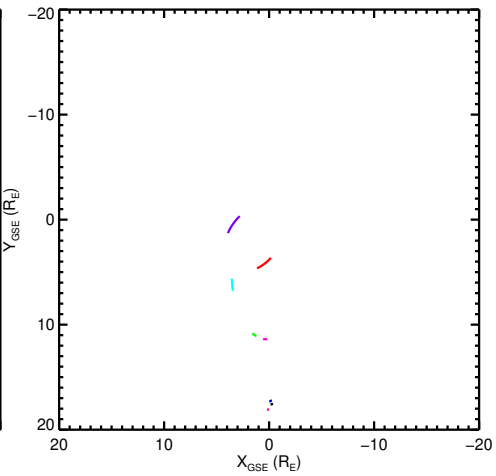




(f) 2300UT to 2355UT
ade bks cly cve cvw fhe fhw hok kod



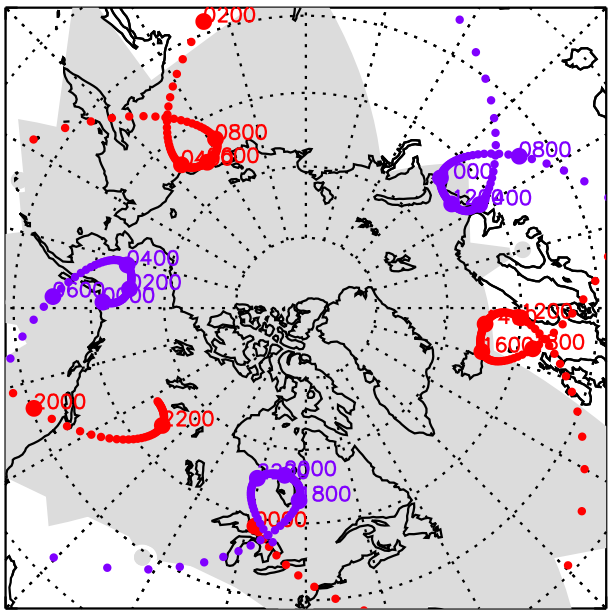


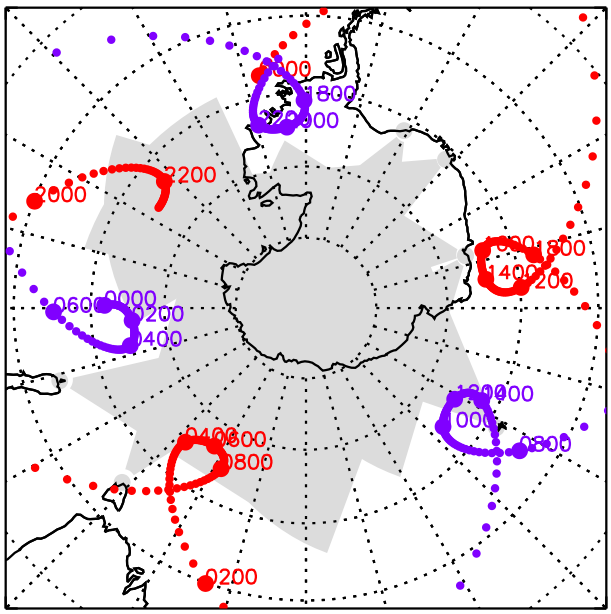


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

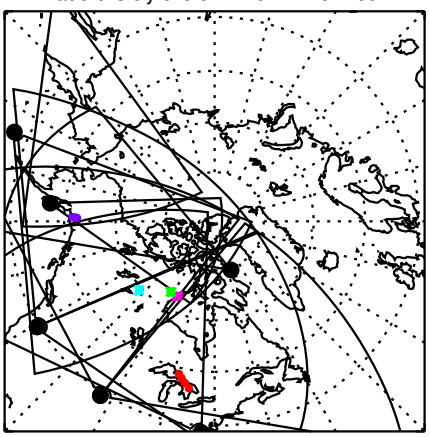
02–Dec–2013

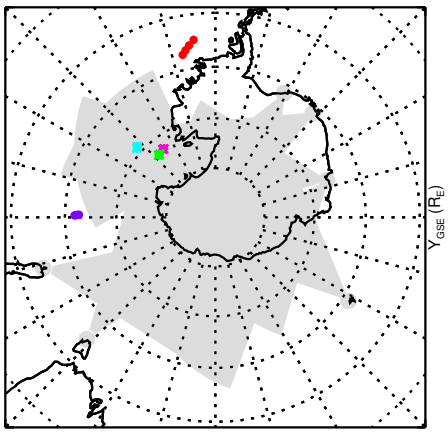
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

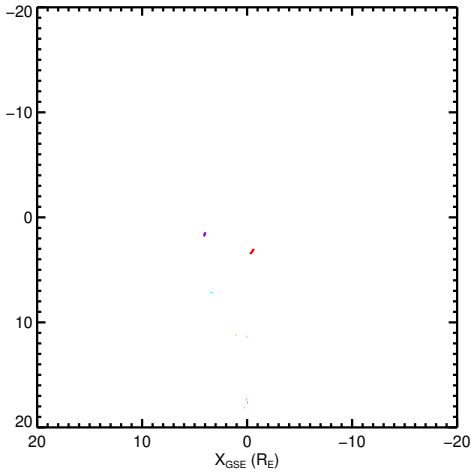




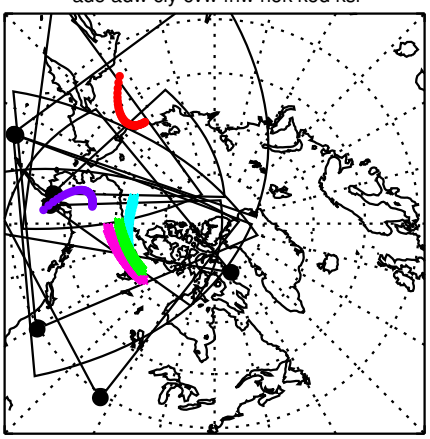
(a) 0000UT to 0015UT
ade bks cly cve cvw fhe fhw hok kod







(b) 0225UT to 0555UT
ade adw cly cvw fhw hok kod ksr



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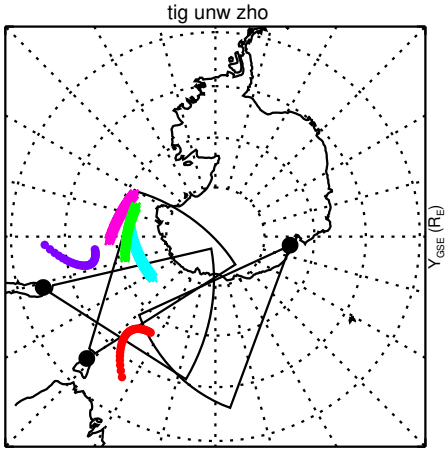
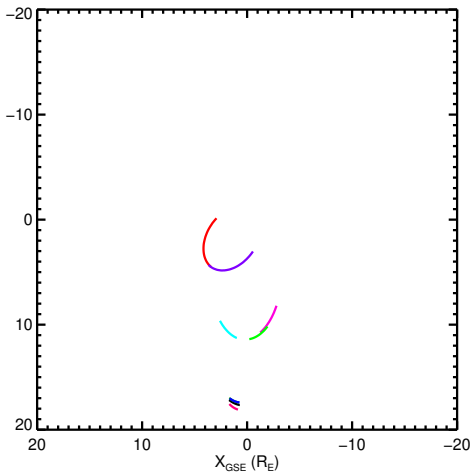
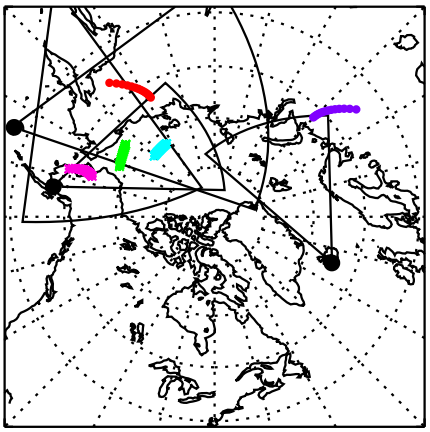
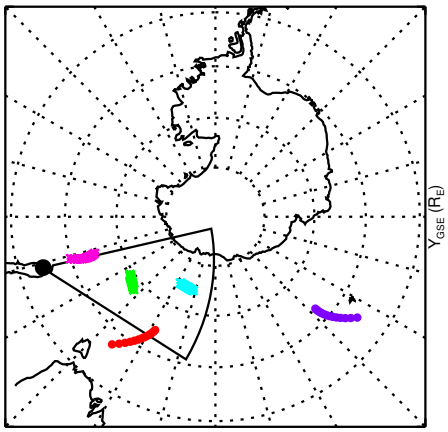


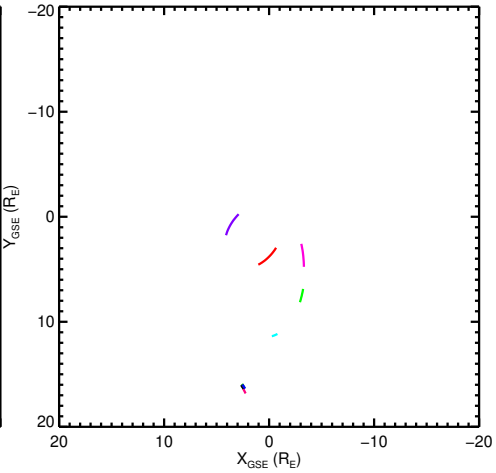


(c) 0805UT to 0915UT
adw hok ksr pyk

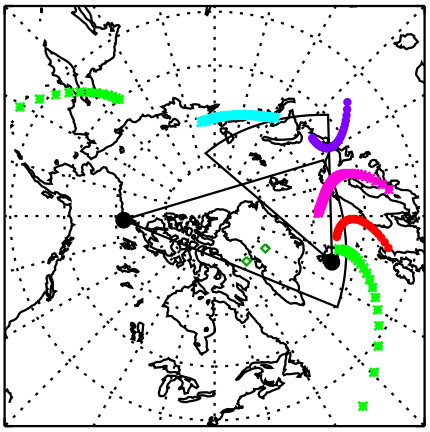


unw





(d) 1120UT to 1500UT
inv pyk



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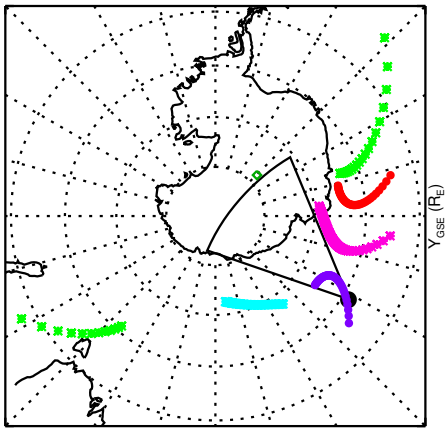
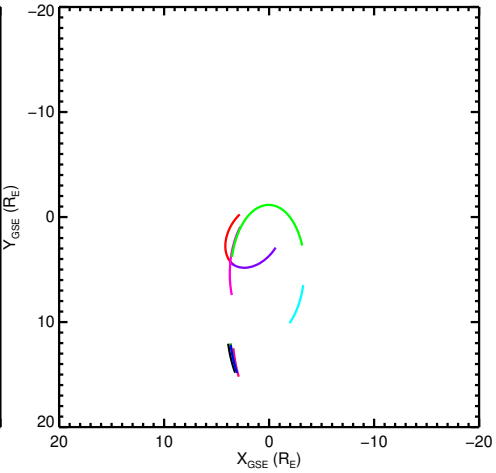
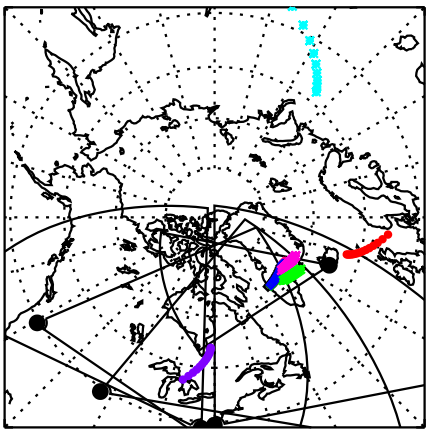
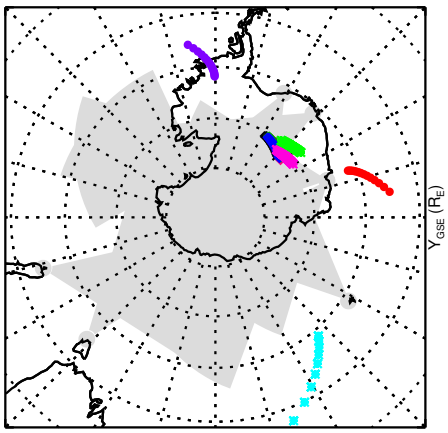
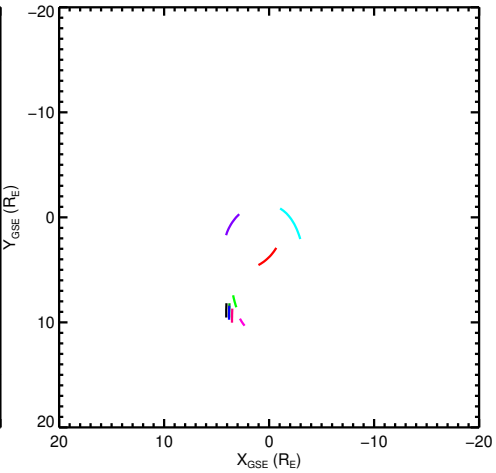




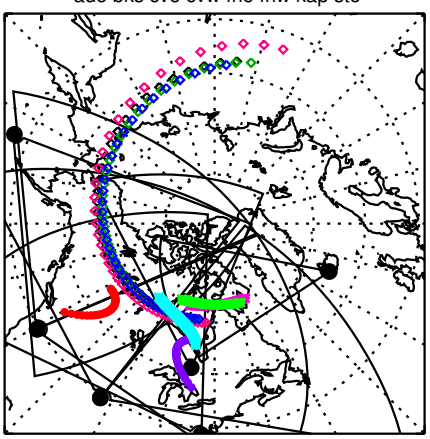
(e) 1705UT to 1815UT
bks cve fhe sto wal



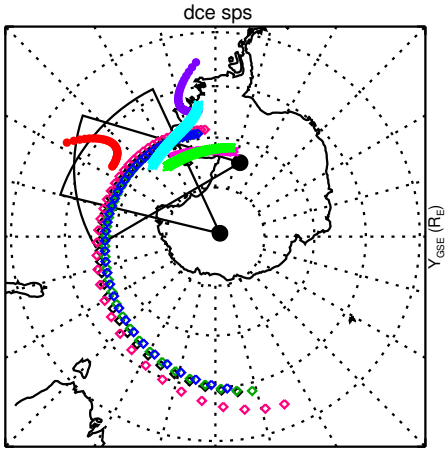


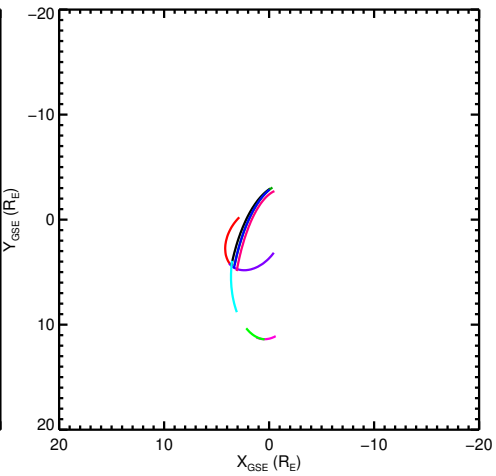


(f) 2020UT to 2355UT
ade bks cve cvw fhe fhw kap sto



dce sps

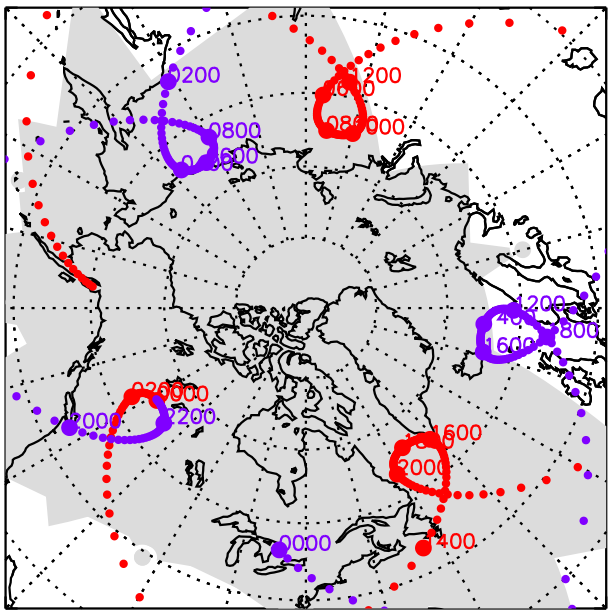


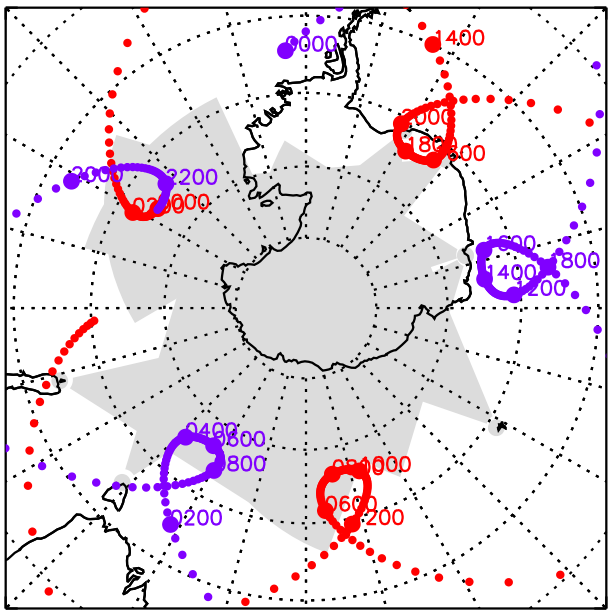


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

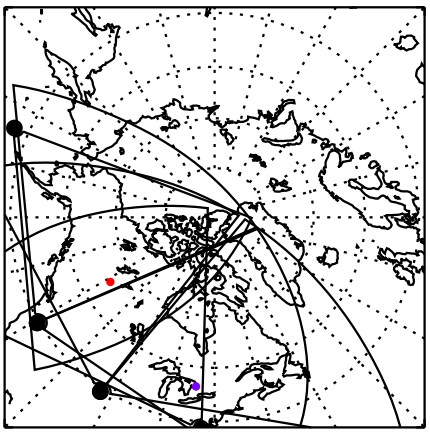
03–Dec–2013

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

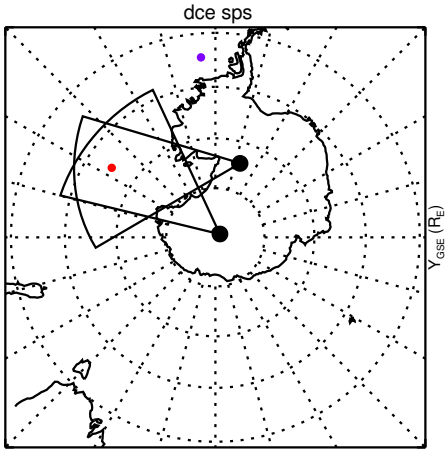


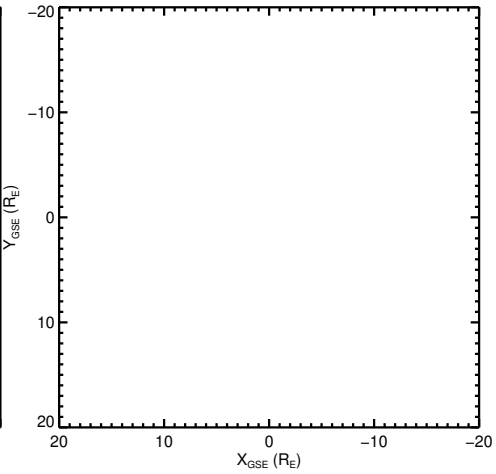


(a) 0000UT to 0000UT
ade bks cve cvw fhe fhw

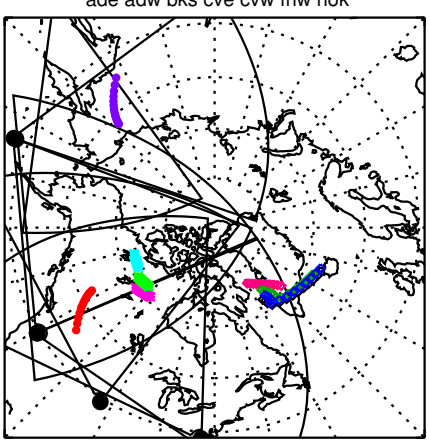


dce sps

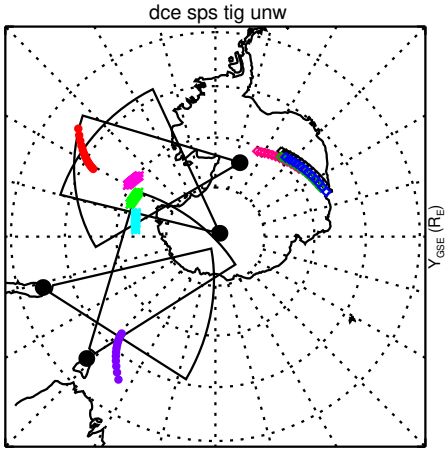


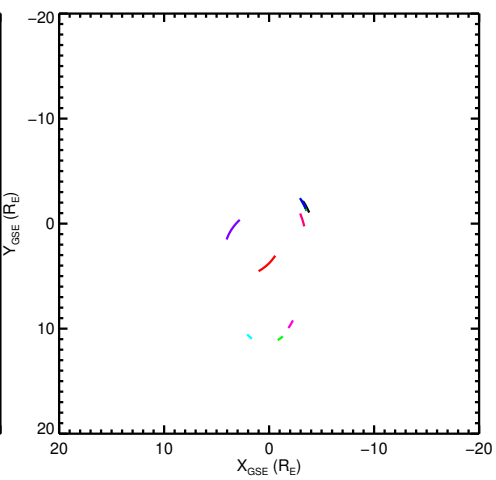


(b) 0205UT to 0310UT
ade adw bks cve cvw fhw hok

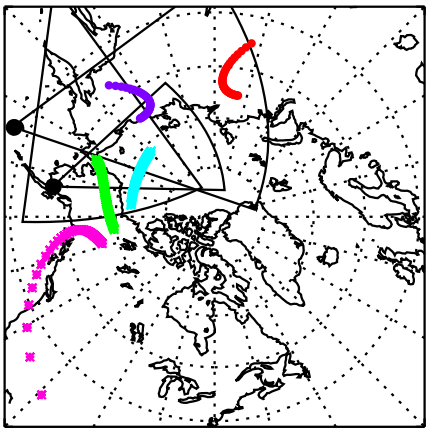


dce sps tig unw

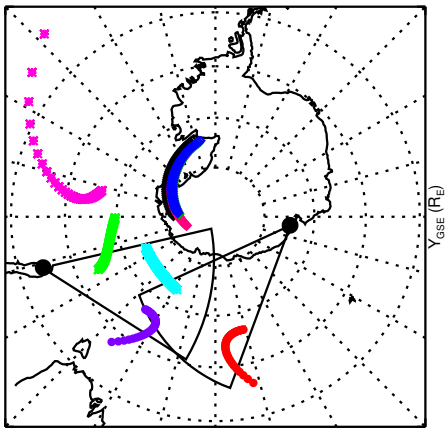


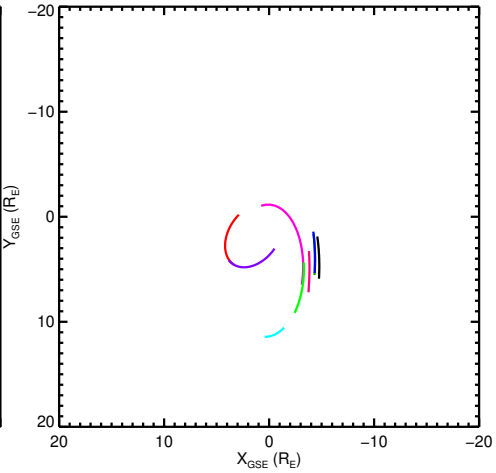


(c) 0520UT to 0900UT
adw hok ksr

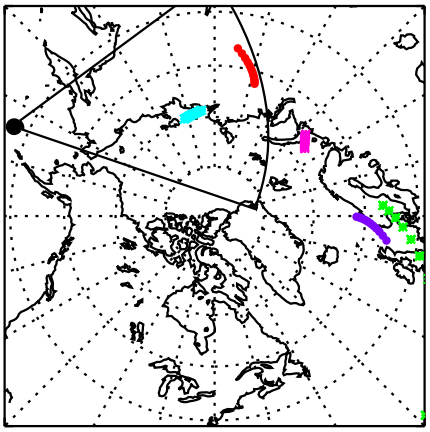


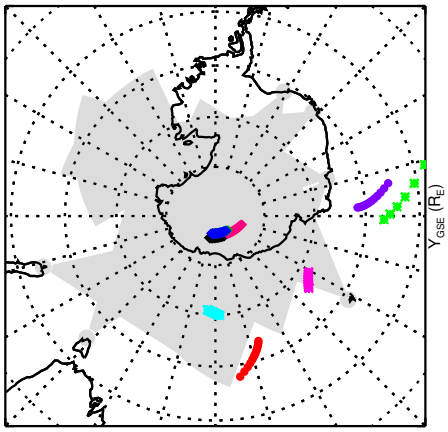
unw zho

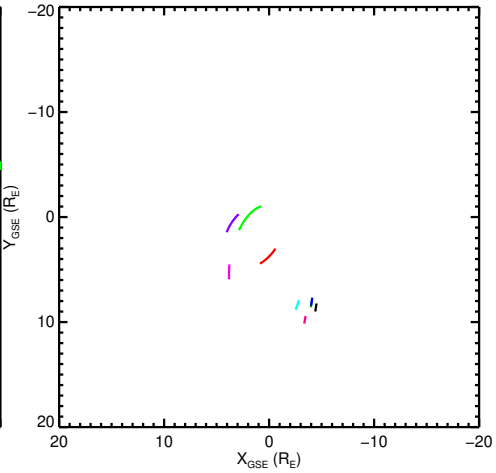




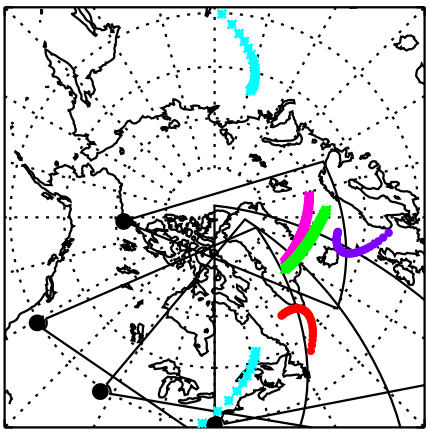
(d) 1110UT to 1210UT
adw



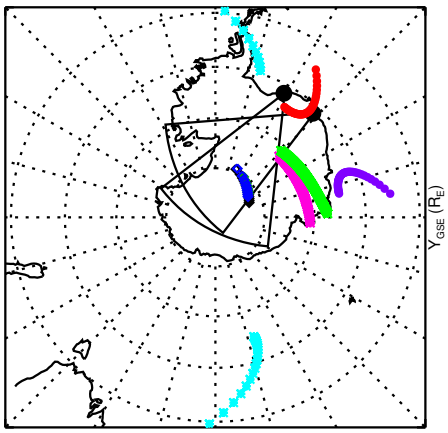


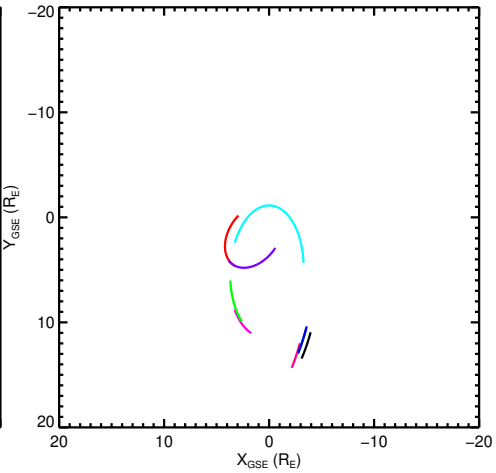


(e) 1420UT to 1805UT
cve fhe inv wal

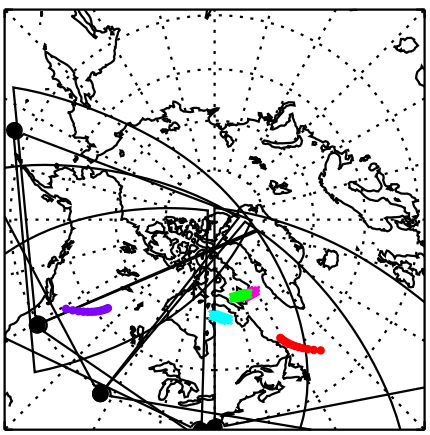


hal san

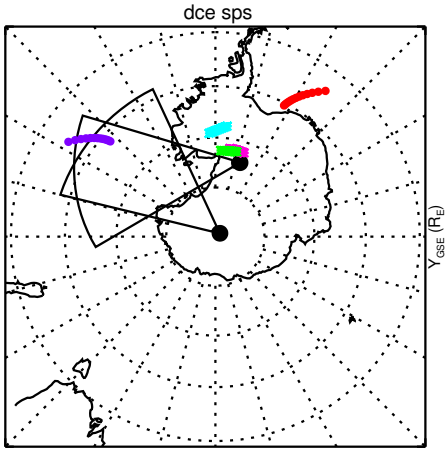


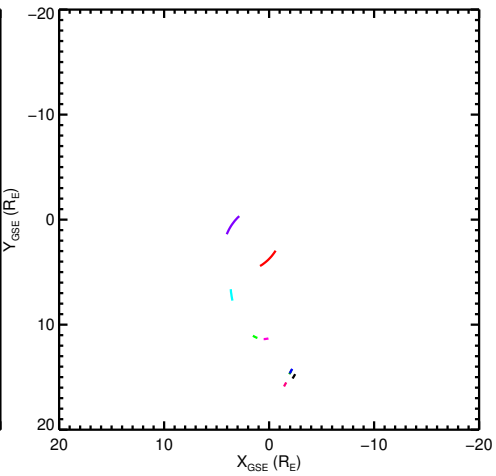


(f) 2010UT to 2110UT
ade bks cve cvw fhe fhw wal

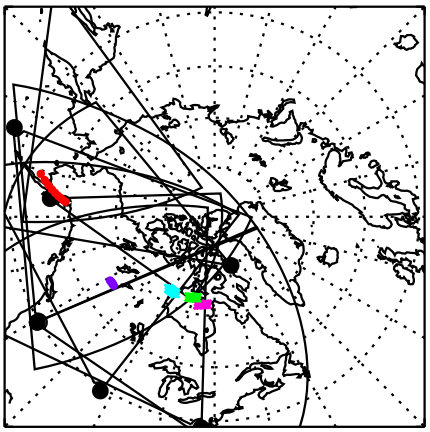


dce sps

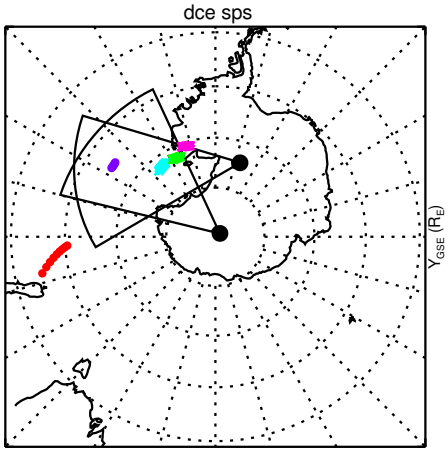


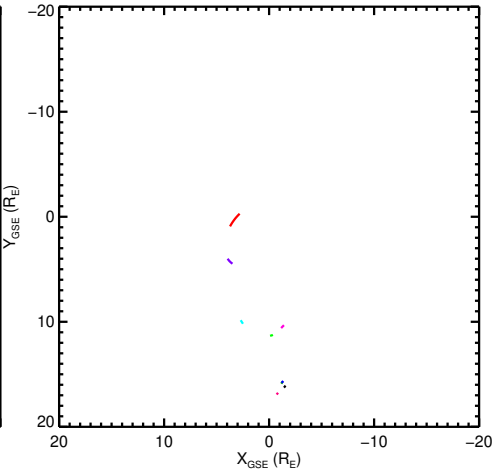


(g) 2315UT to 2355UT
ade bks cly cve cvw fhw hok kod



dce sps

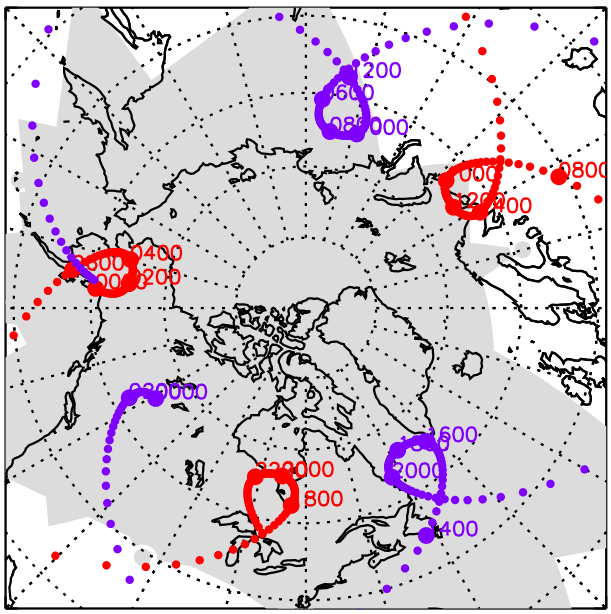


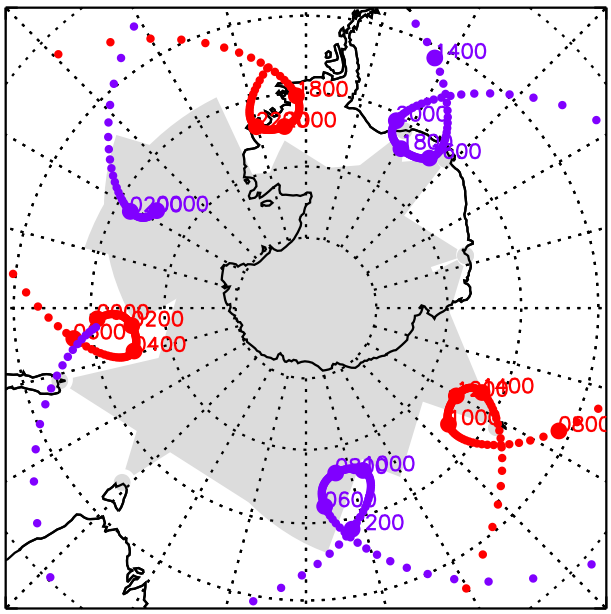


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

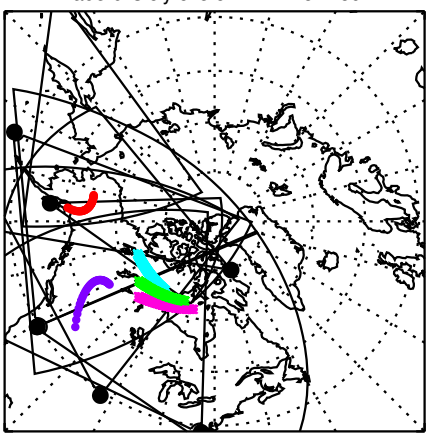
04–Dec–2013

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

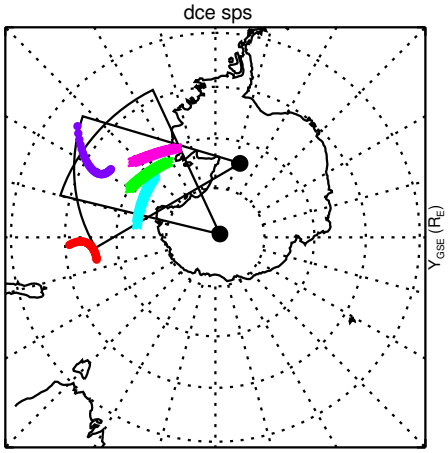


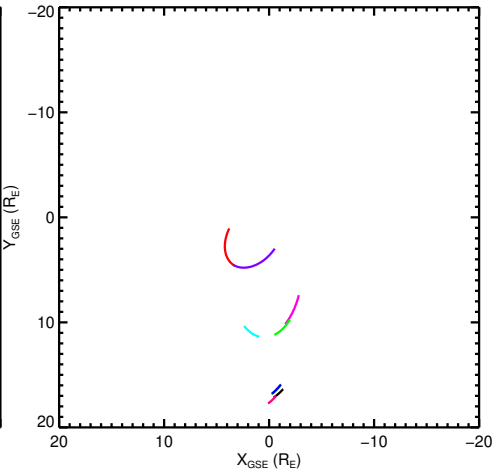


(a) 0000UT to 0305UT
ade bks cly cve cvw fhw hok kod

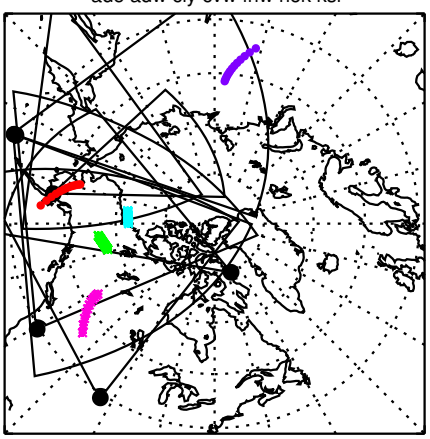


dce sps

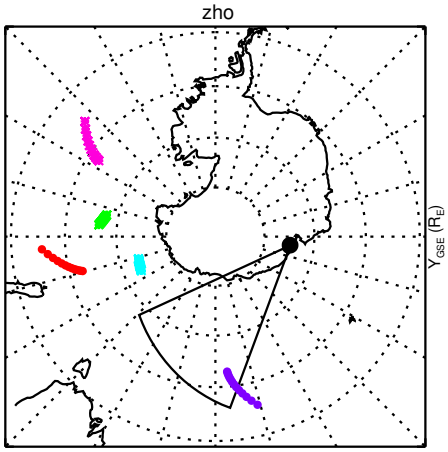


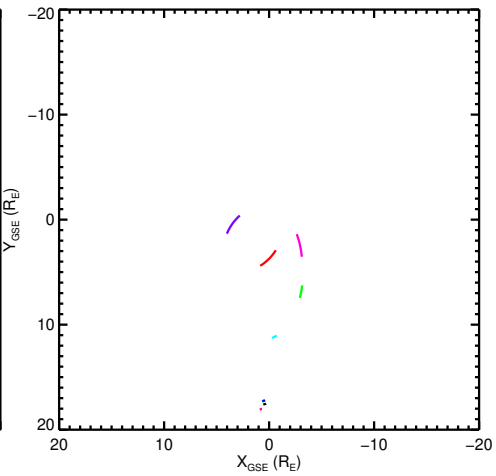


(b) 0510UT to 0610UT
ade adw cly cvw fhw hok ksr

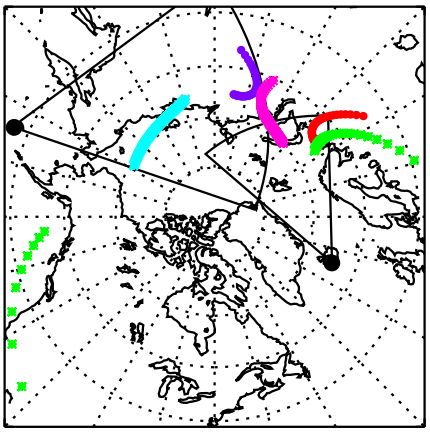


zho

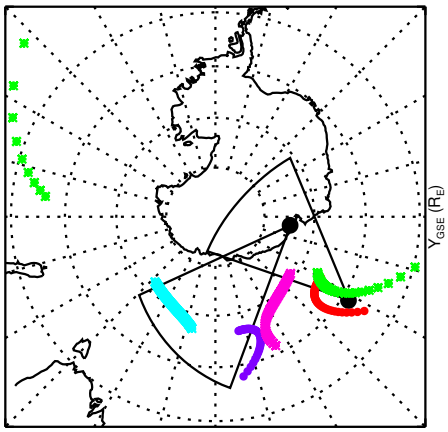


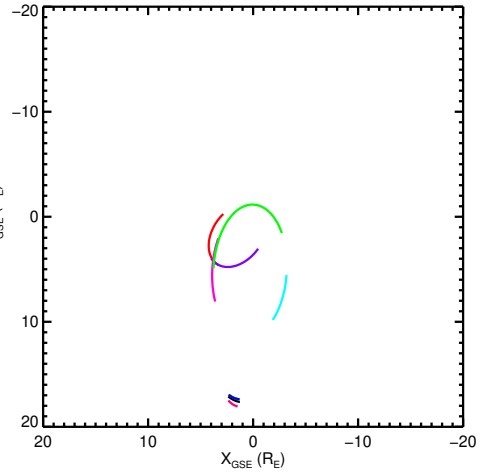


(c) 0815UT to 1205UT
adw pyk

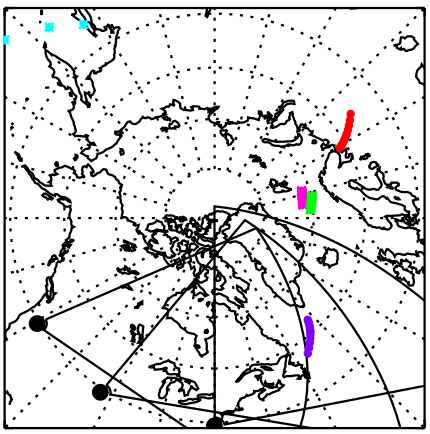


ker zho





(d) 1415UT to 1505UT
cve fhe wal



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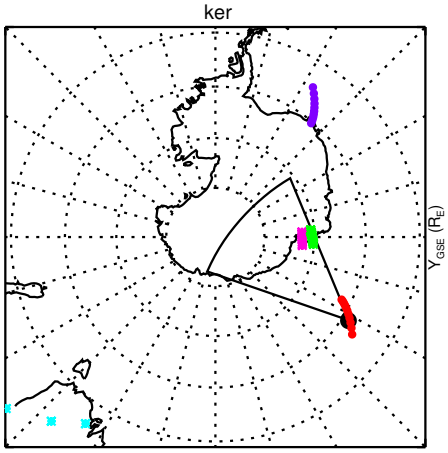
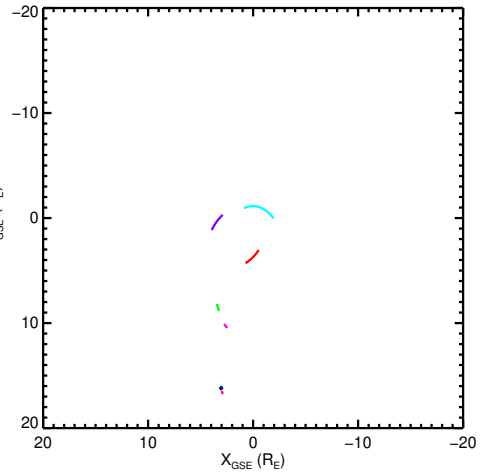
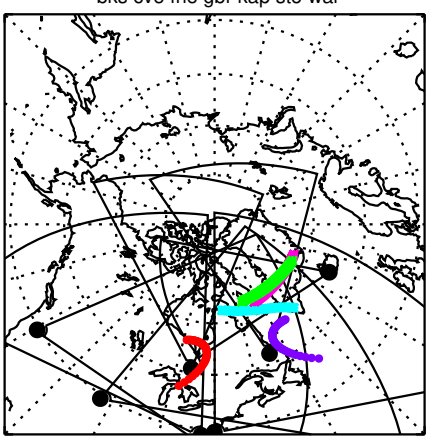




(e) 1715UT to 2110UT
bks cve fhe gbr kap sto wal



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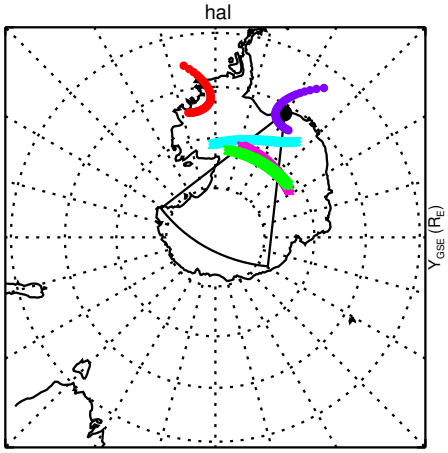
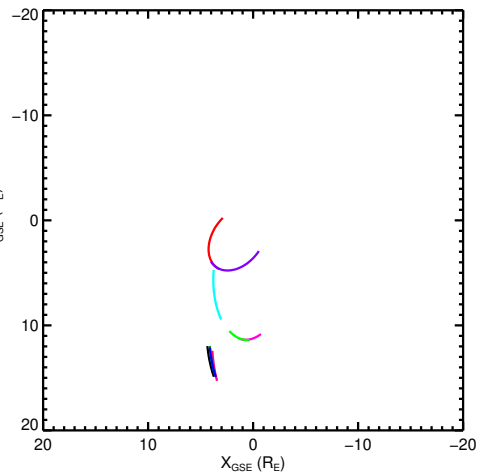
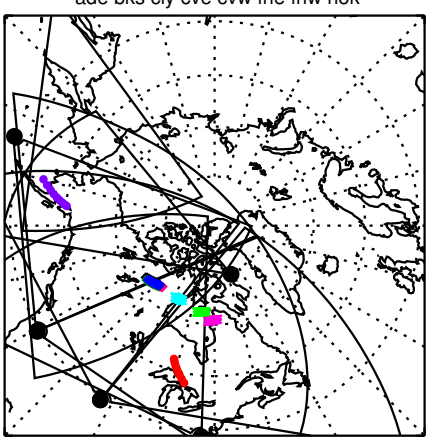
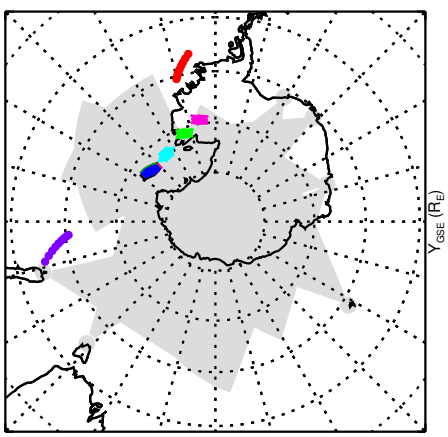
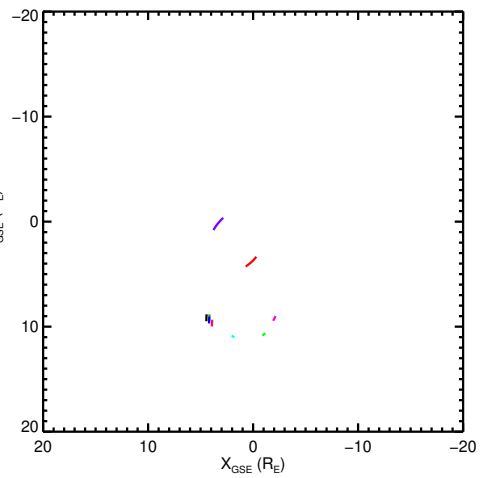




(f) 2315UT to 2355UT
ade bks cly cve cvw fhe fhw hok



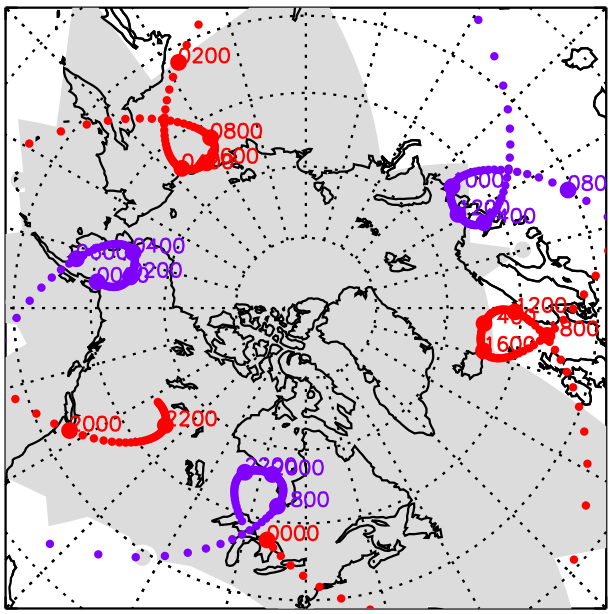


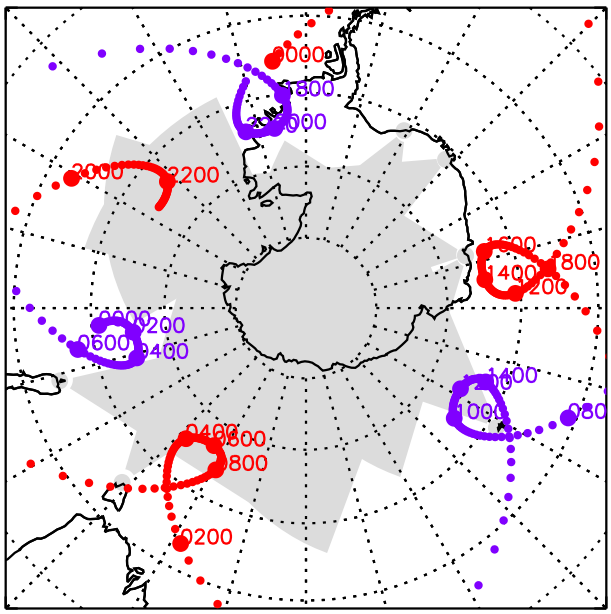


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

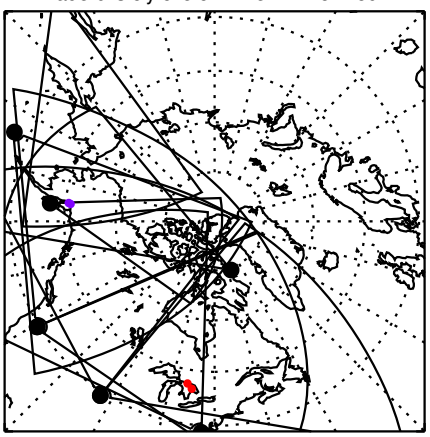
05–Dec–2013

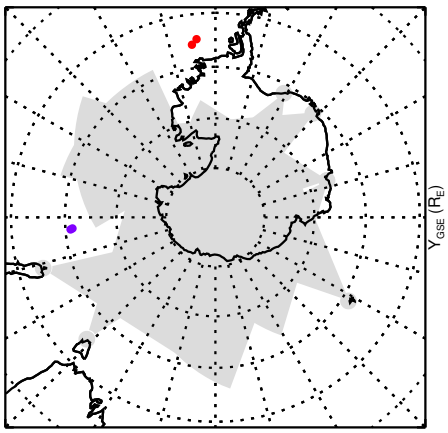
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

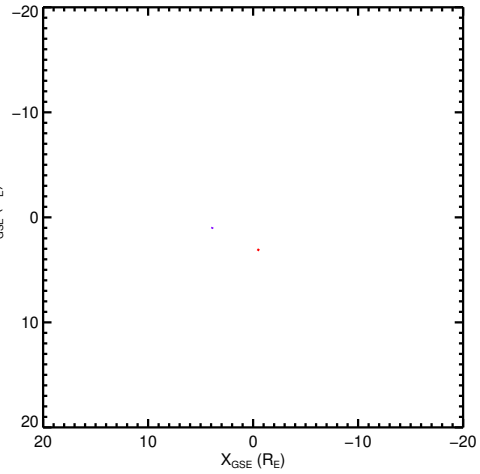




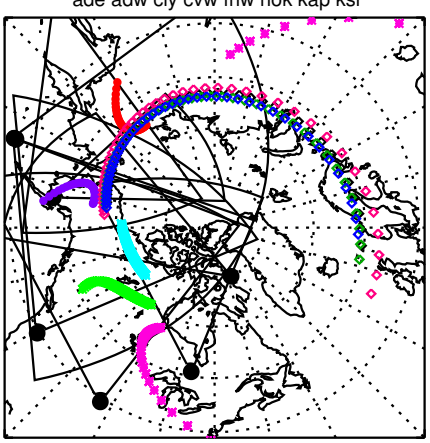
(a) 0000UT to 0005UT
ade bks cly cve cvw fhe fhw hok kod



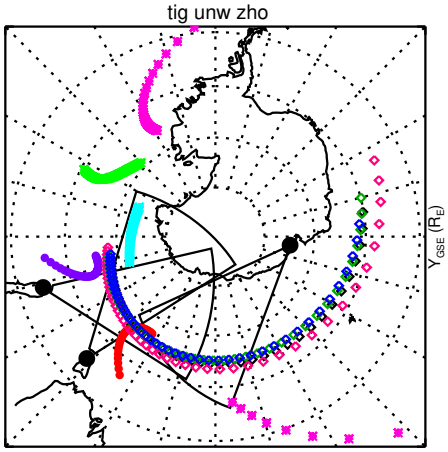


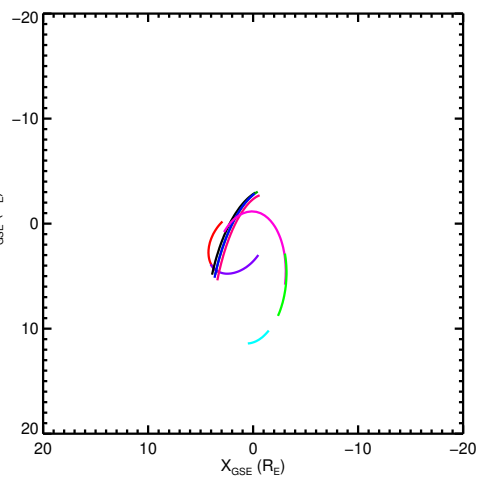


(b) 0215UT to 0610UT
ade adw cly cvw fhw hok kap ksr

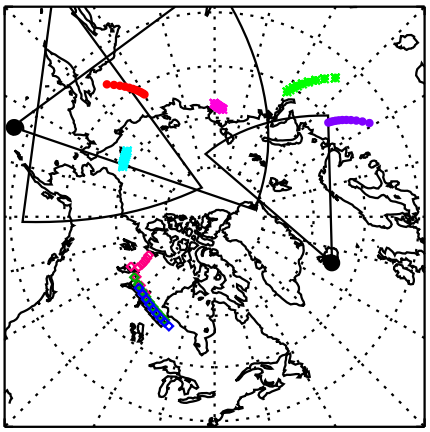


tig unw zho

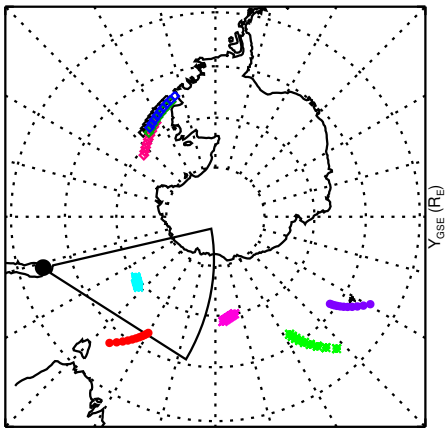


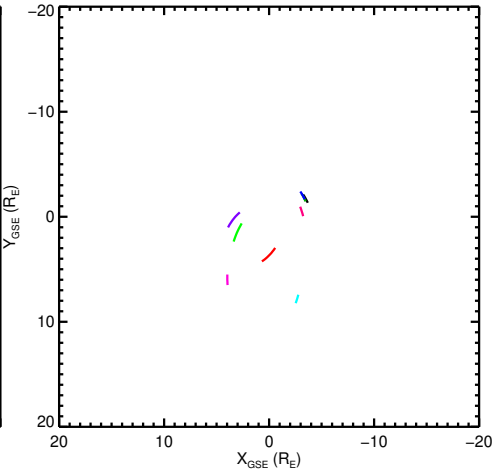


(c) 0815UT to 0905UT
adw hok pyk

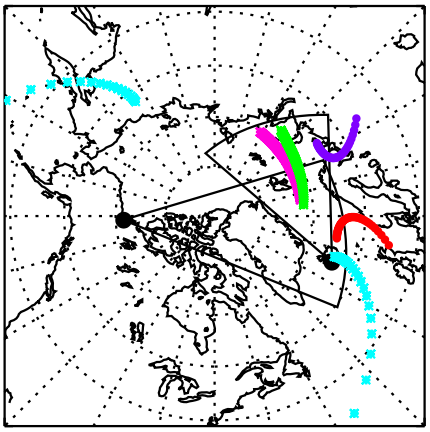


unw





(d) 1110UT to 1510UT
inv pyk



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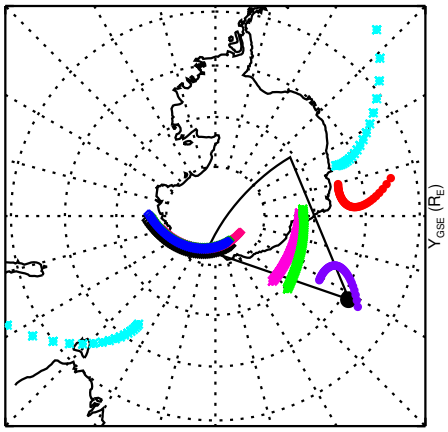
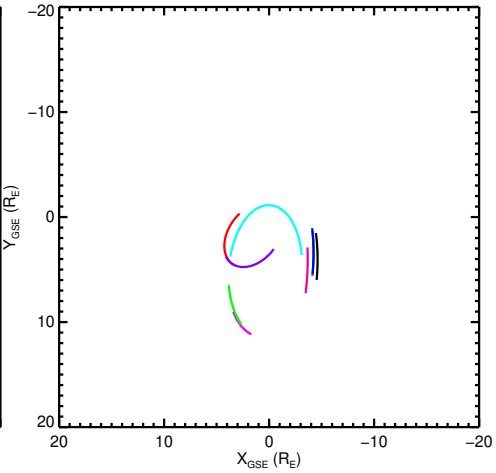
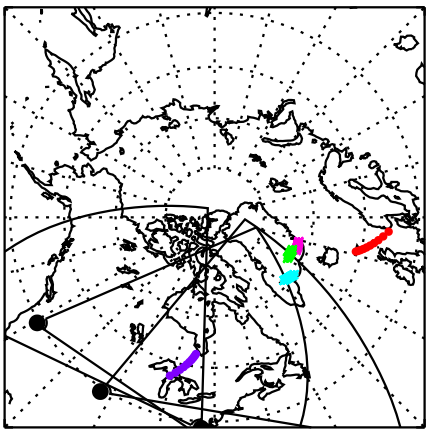
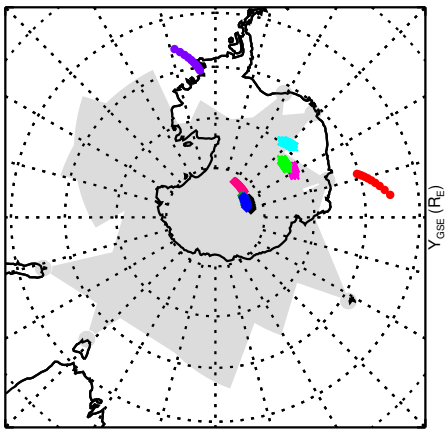
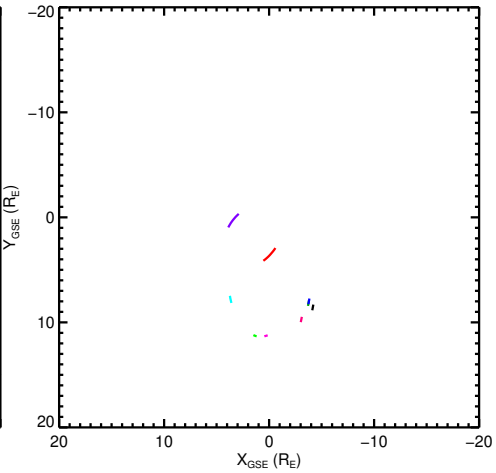




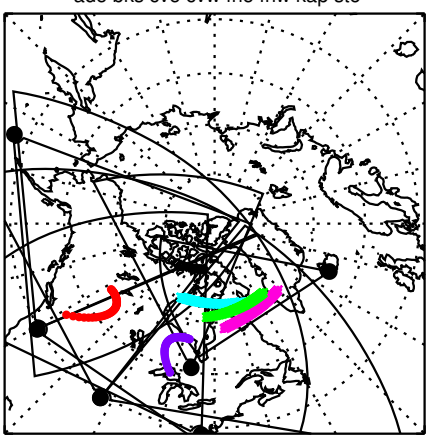
(e) 1720UT to 1805UT
bks cve fhe



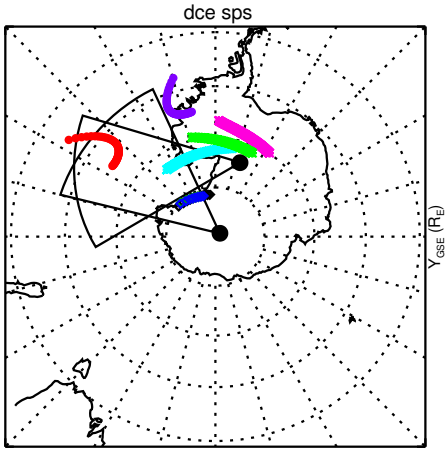


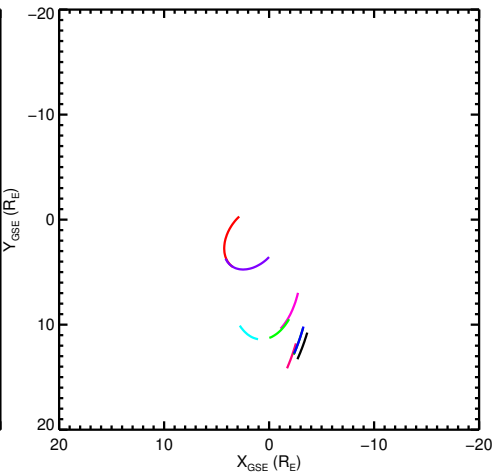


(f) 2010UT to 2355UT
ade bks cve cvw fhe fhw kap sto



dce sps

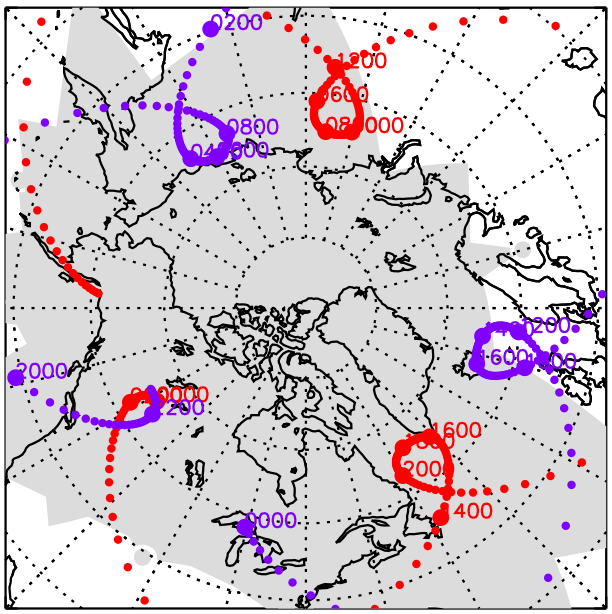


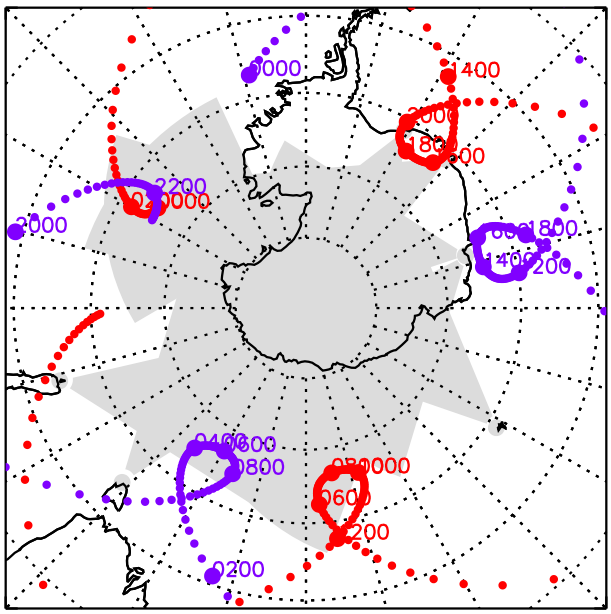


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

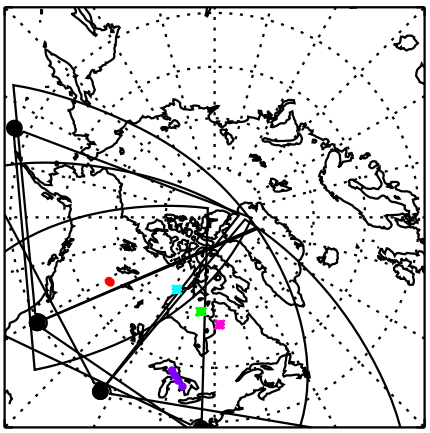
06–Dec–2013

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

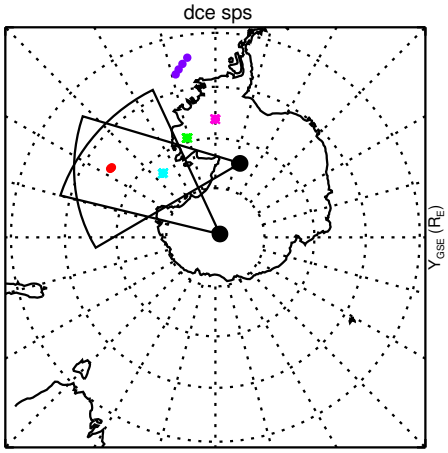


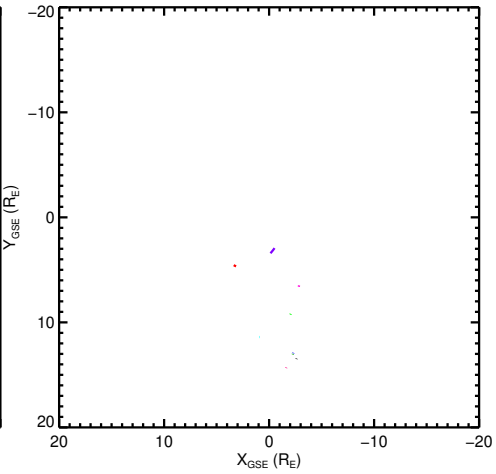


(a) 0000UT to 0015UT
ade bks cve cvw fhe fhw

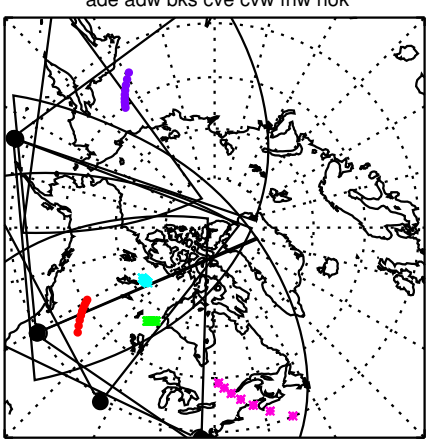


dce sps

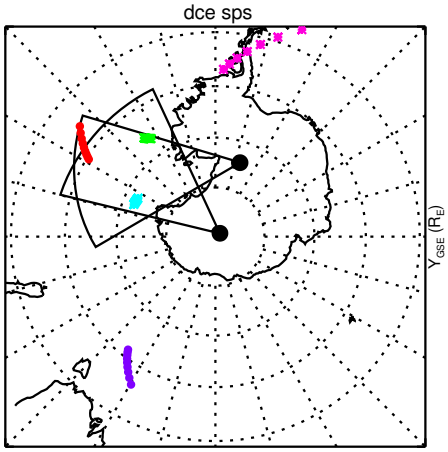


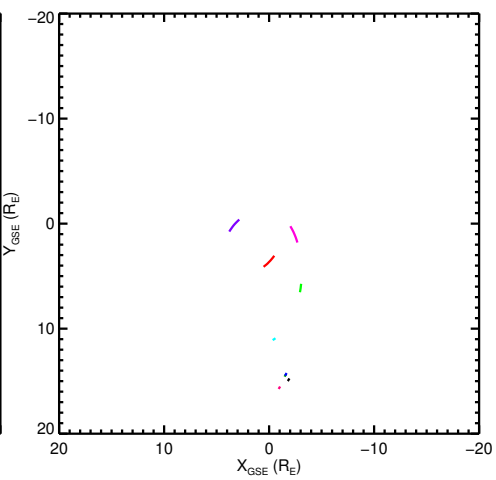


(b) 0220UT to 0300UT
ade adw bks cve cvw fhw hok

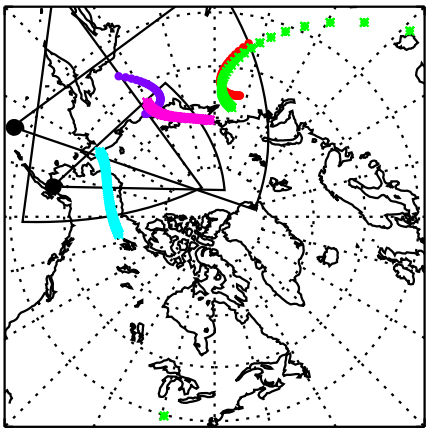


dce sps

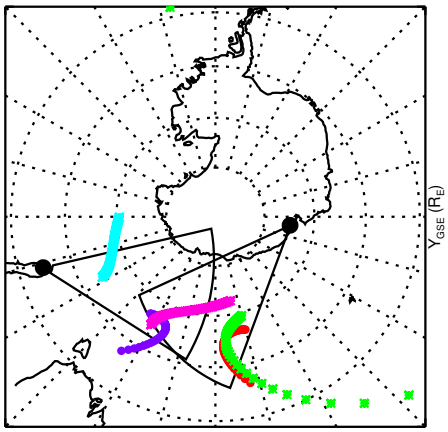


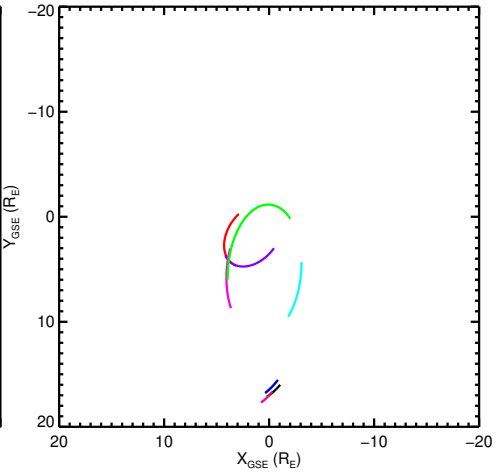


(c) 0510UT to 0915UT
adw hok ksr

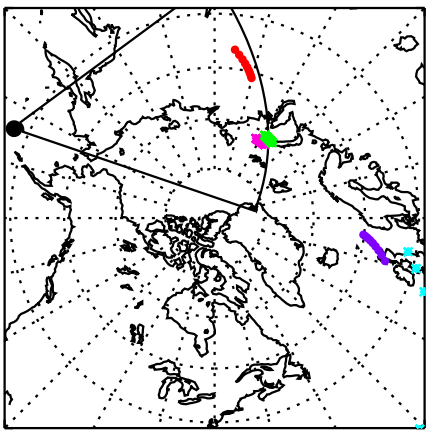


unw zho

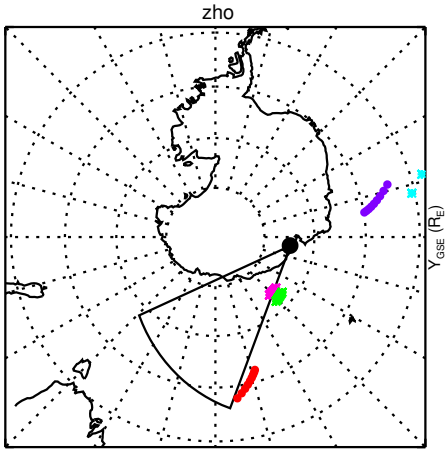


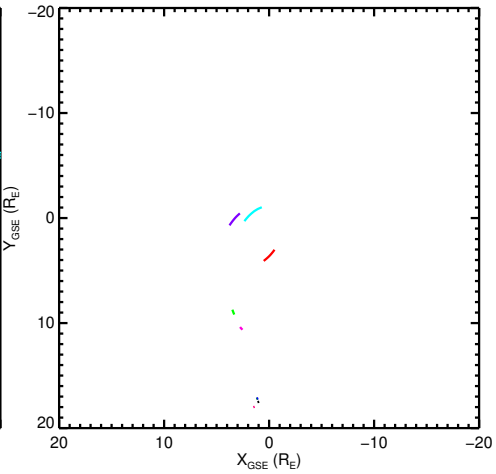


(d) 1120UT to 1200UT
adw

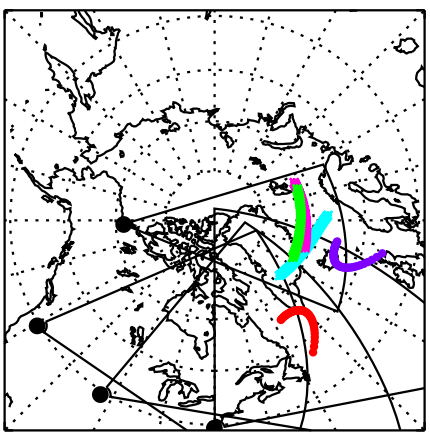


zho

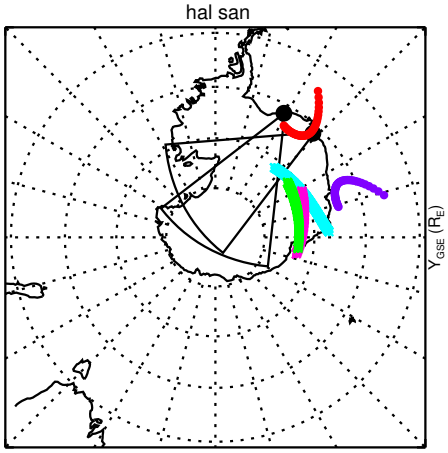


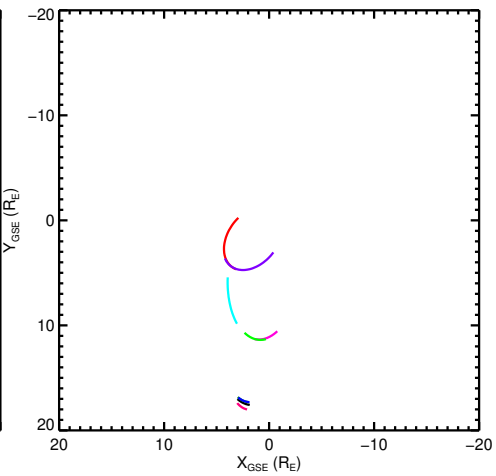


(e) 1410UT to 1815UT
cve fhe inv wal

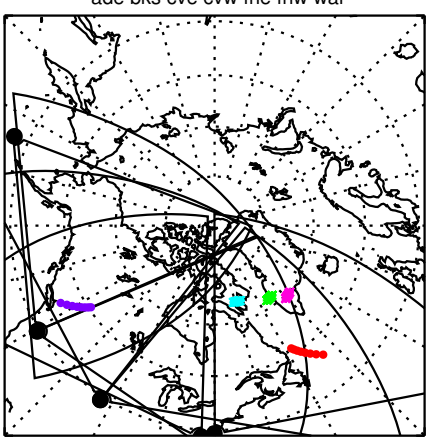


hal san

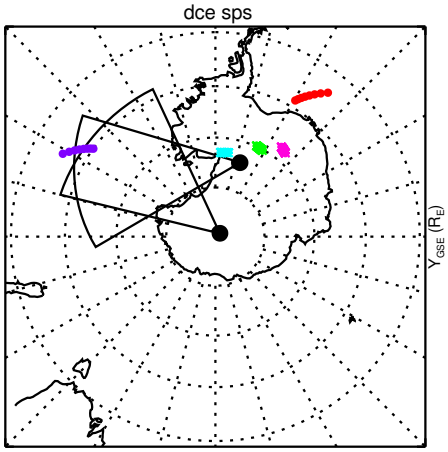


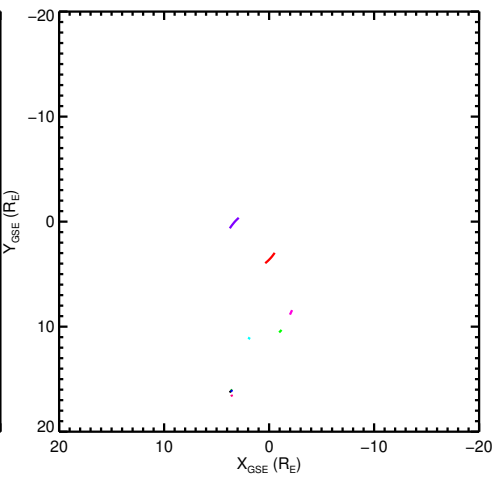


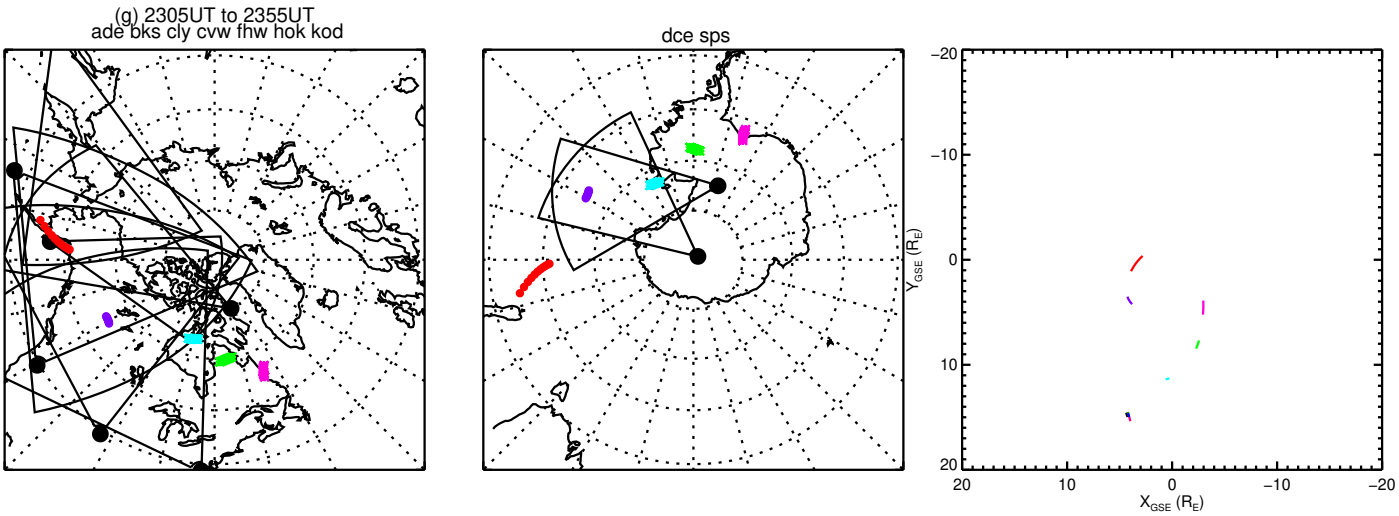
(f) 2025UT to 2100UT
ade bks cve cvw fhe fhw wal



dce sps



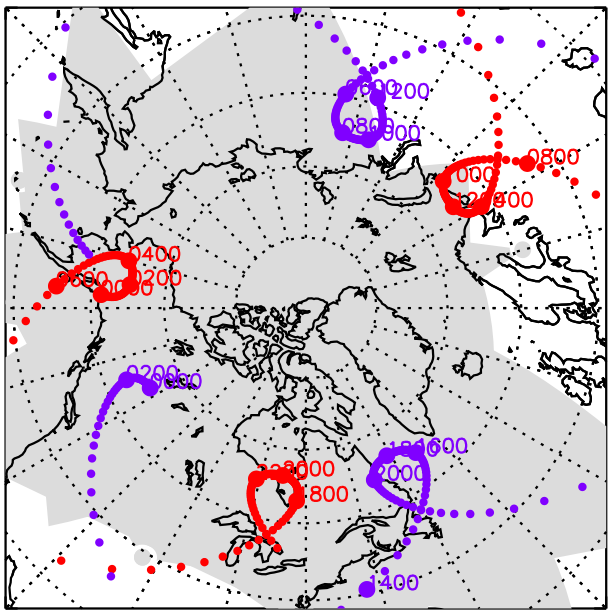


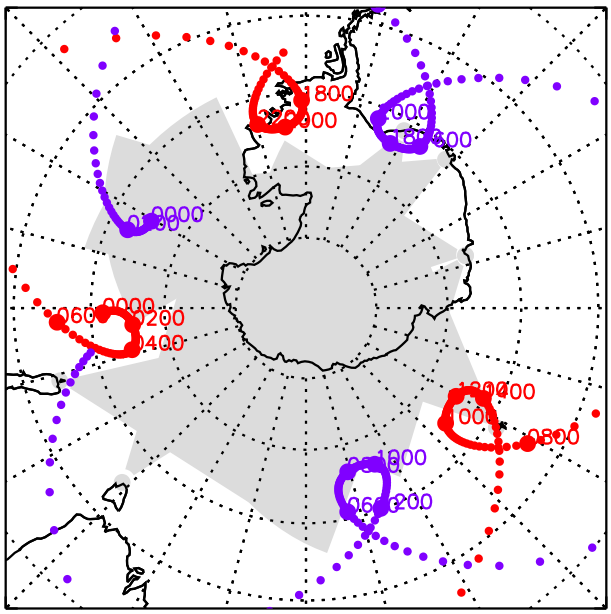

(g) 2305UT to 2355UT
ade bks cly cvw fhw hok kod
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

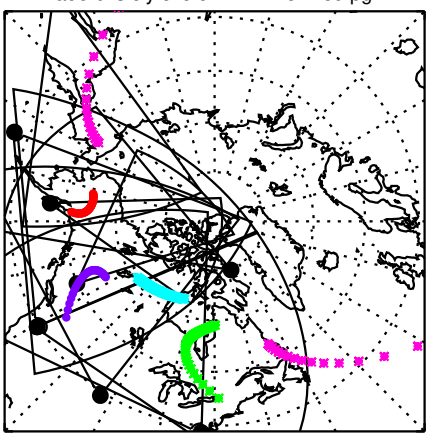
07–Dec–2013

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

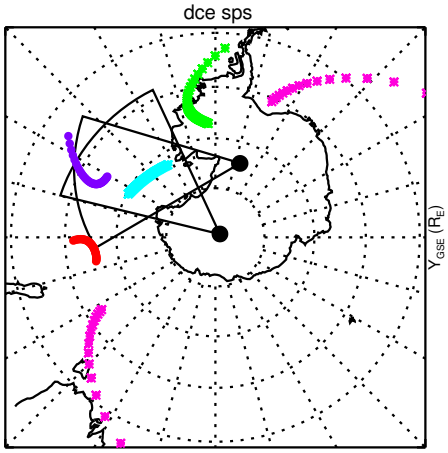


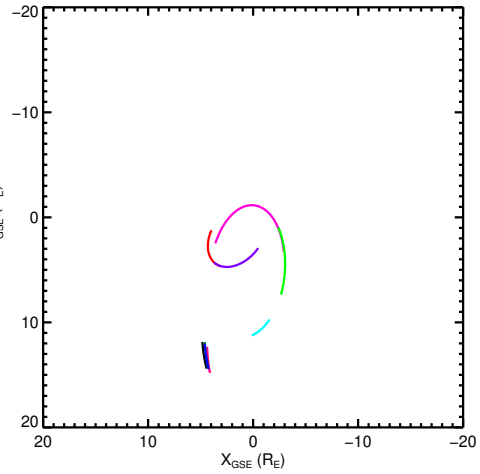


(a) 0000UT to 0320UT
ade bks cly cve cvw fhw hok kod pgr

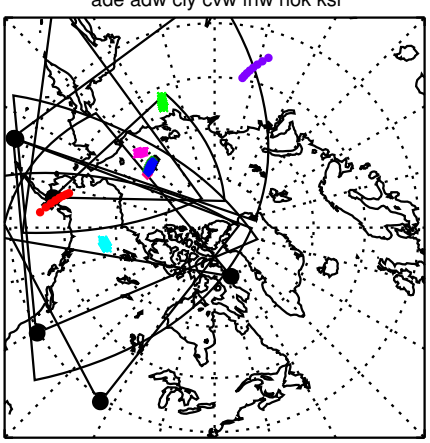


dce sps

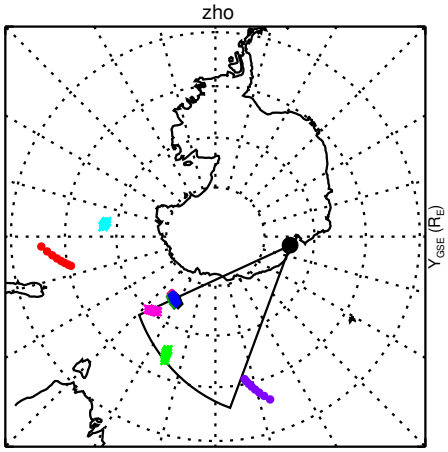


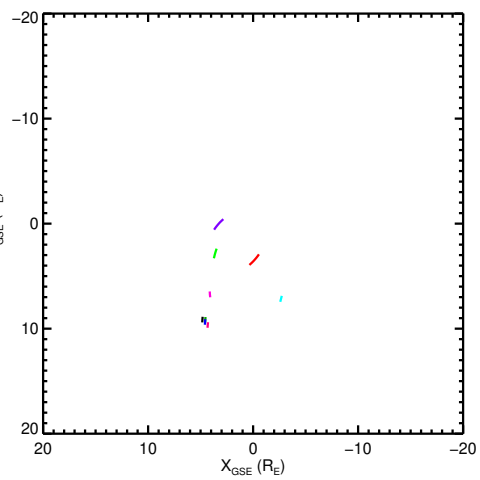


(b) 0525UT to 0600UT
ade adw cly cvw fhw hok ksr

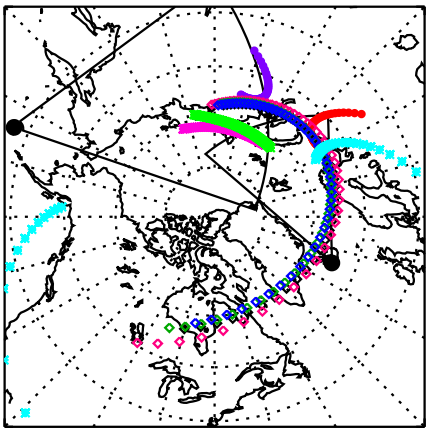


zho

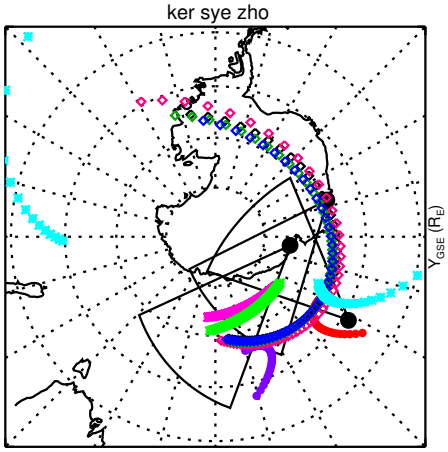


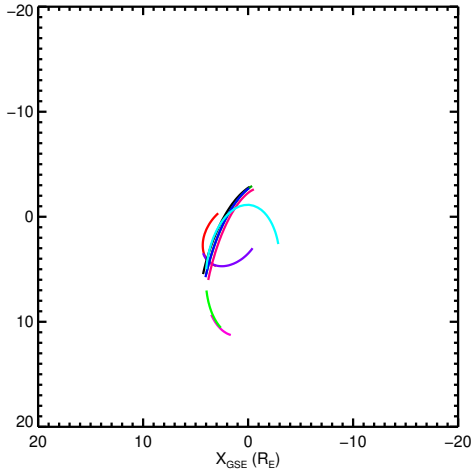


(c) 0805UT to 1220UT
adw pyk

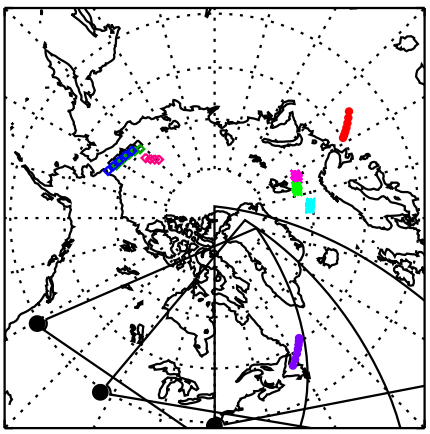


ker sye zho





(d) 1425UT to 1455UT
cve fhe wal



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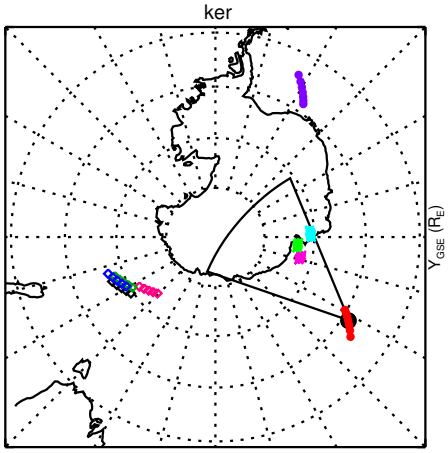
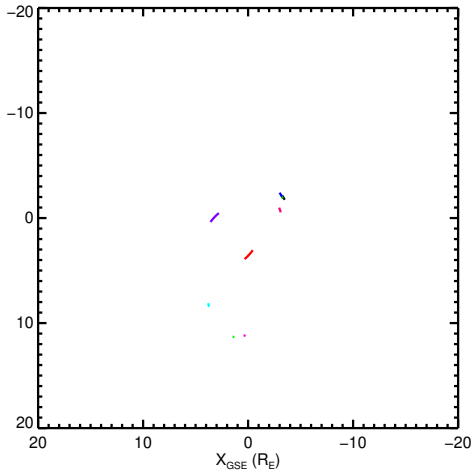
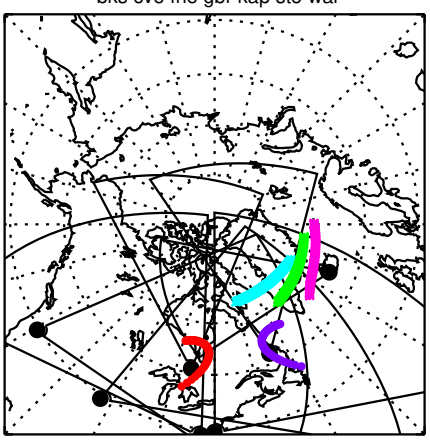




(e) 1705UT to 2120UT
bks cve fhe gbr kap sto wal



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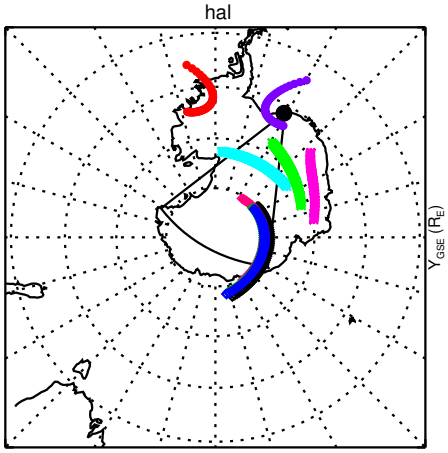
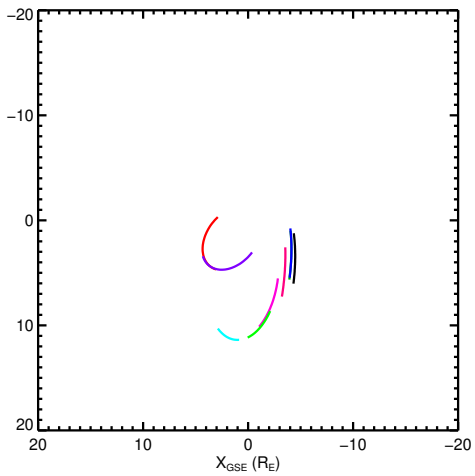
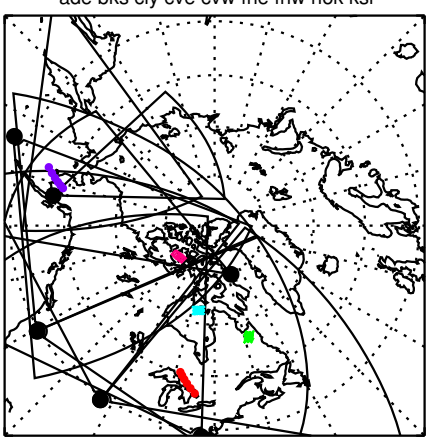
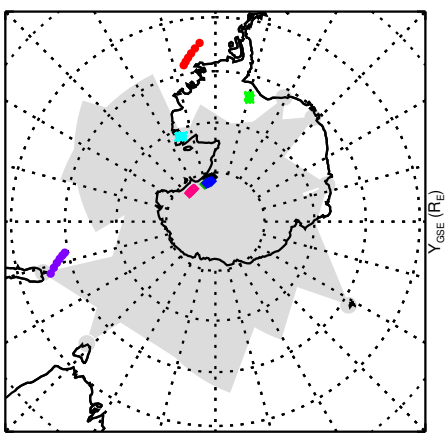
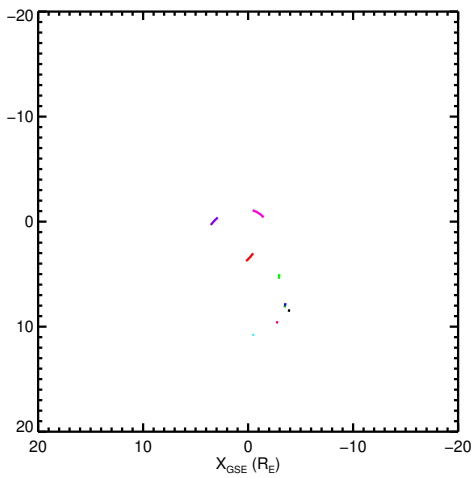




(f) 2330UT to 2355UT
ade bks cly cve cvw fhe fhw hok ksr



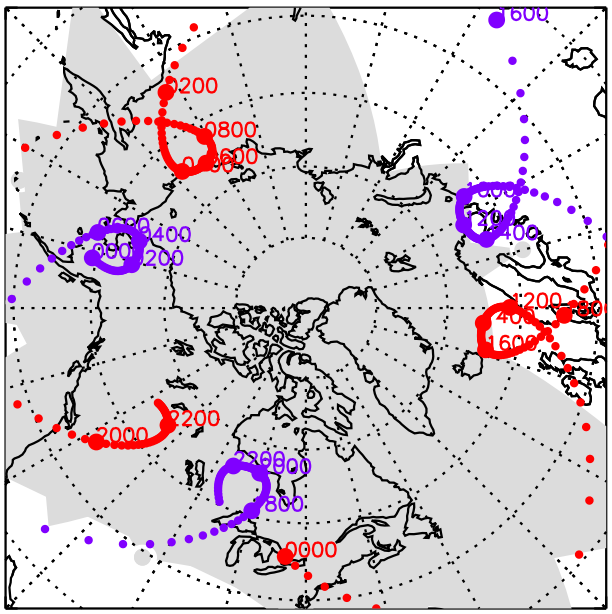


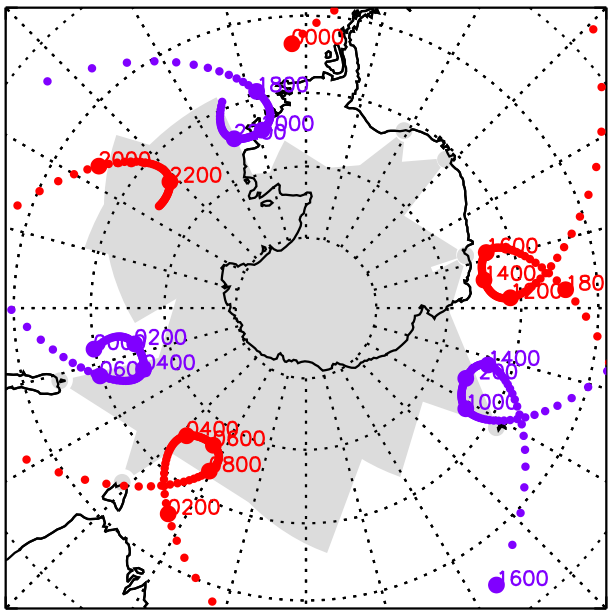


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

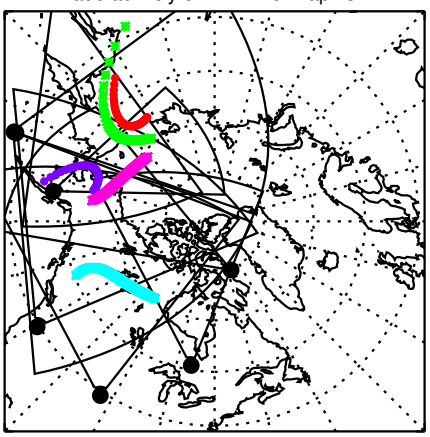
08–Dec–2013

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

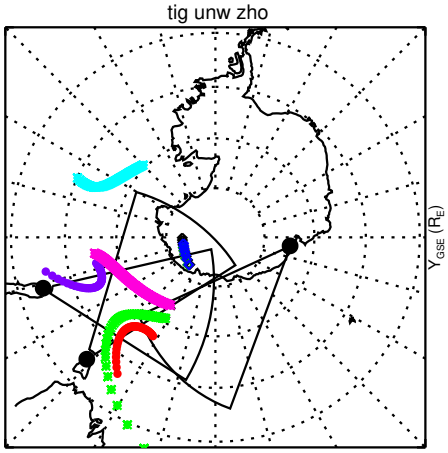


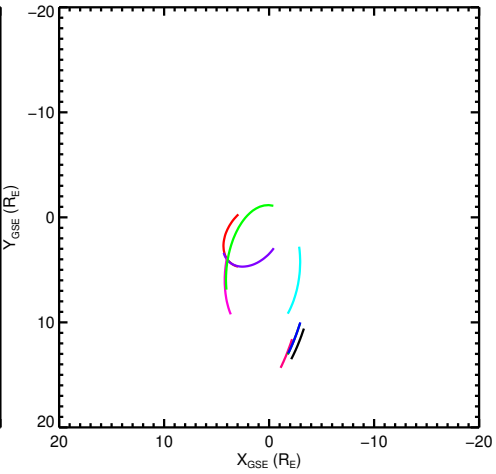


(a) 0205UT to 0625UT
ade adw cly cvw fhw hok kap ksr

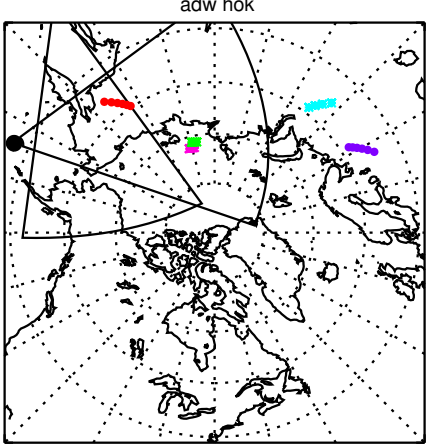


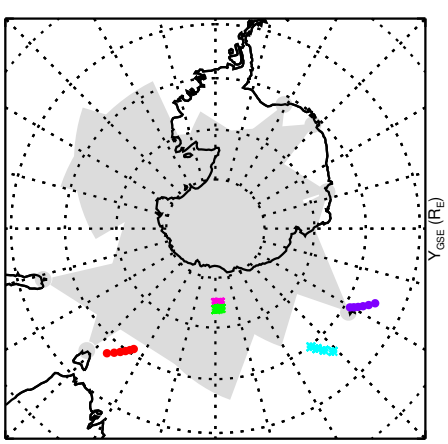
tig unw zho

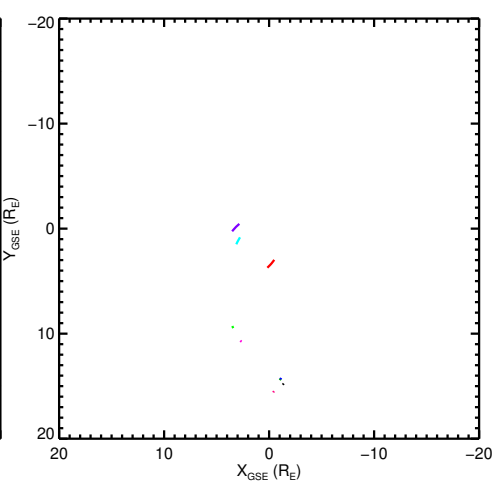




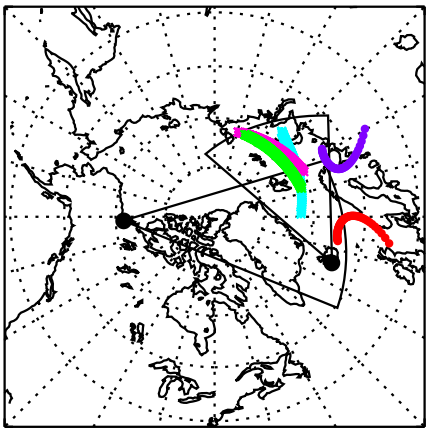
(b) 0830UT to 0855UT
adw hok



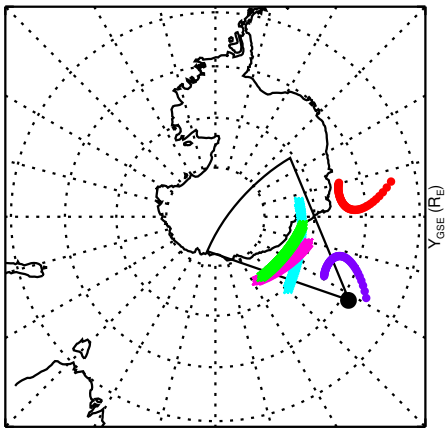


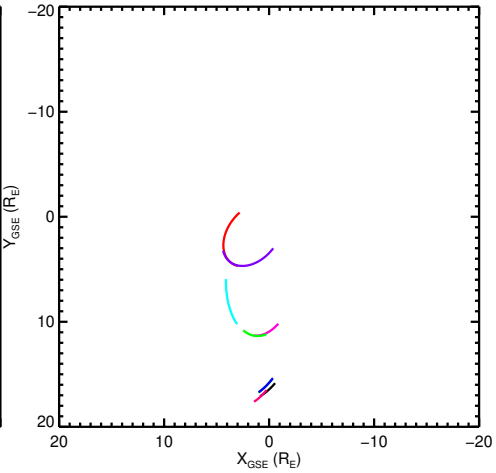


(c) 1100UT to 1525UT
inv pyk

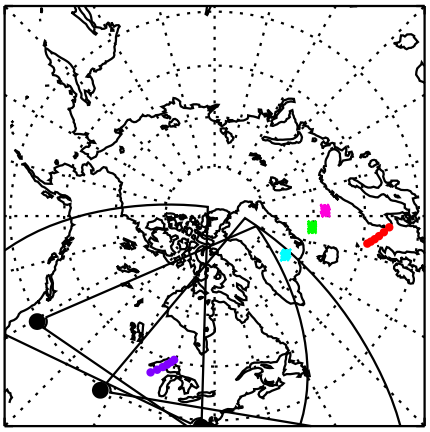


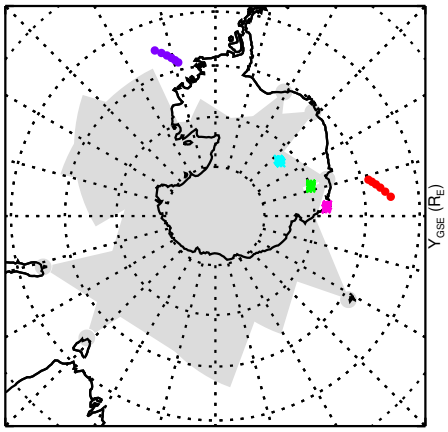
ker

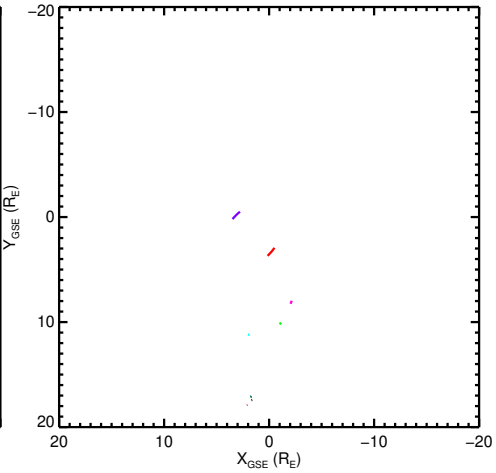




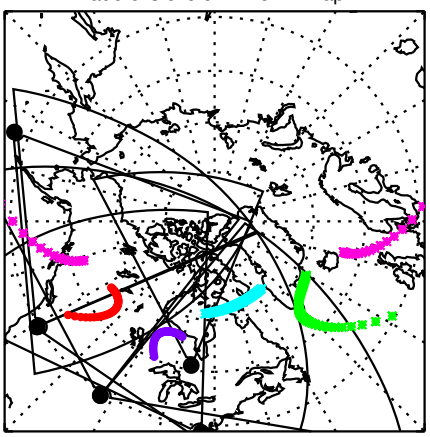
(d) 1730UT to 1755UT
bks cve fhe



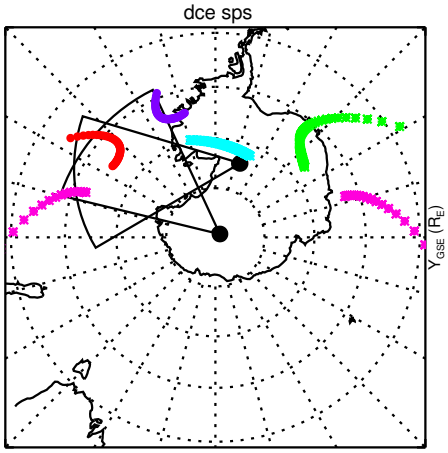


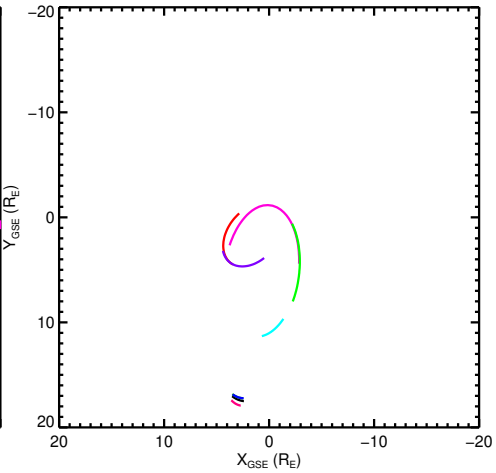


(e) 2000UT to 2355UT
ade bks cve cvw fhe fhw kap



dce sps

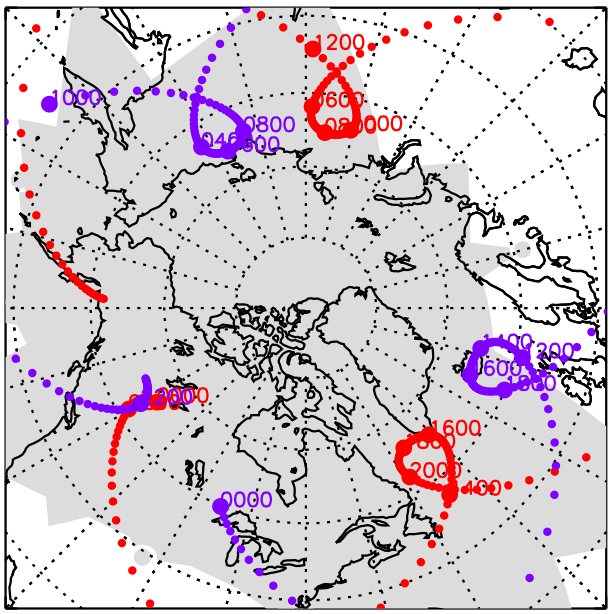


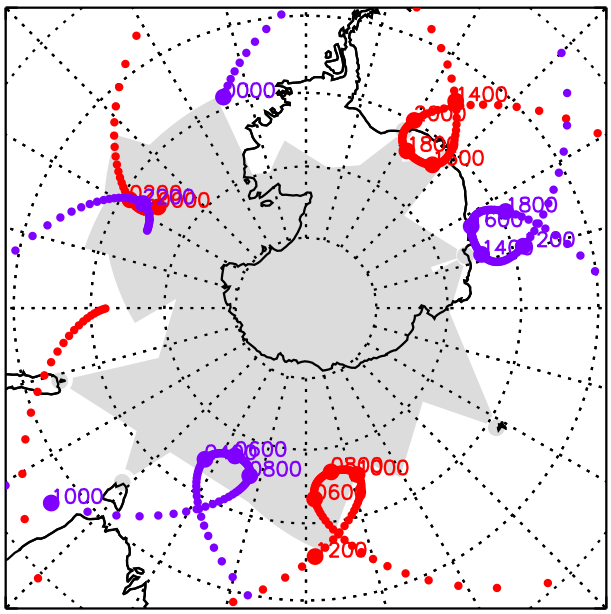


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

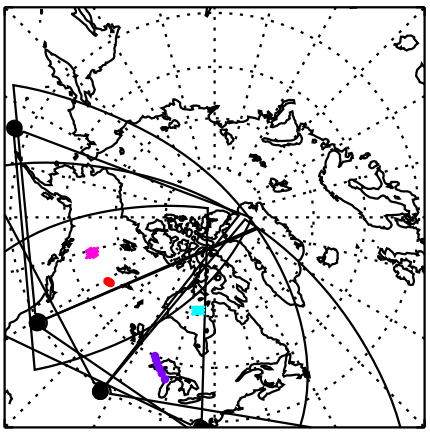
09–Dec–2013

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

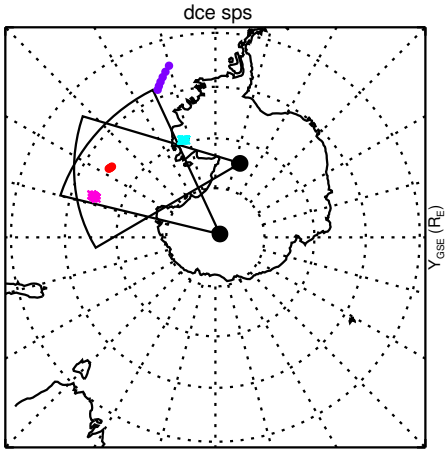


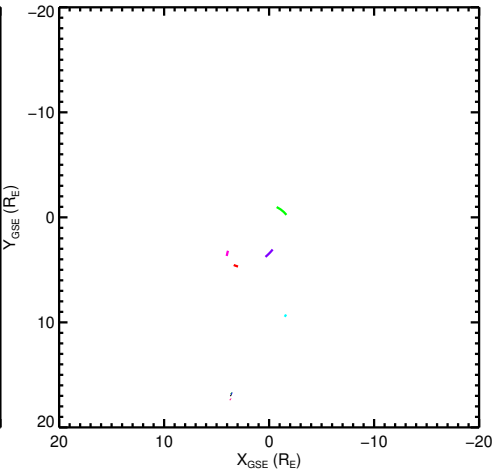


(a) 0000UT to 0025UT
ade bks cve cvw fhe fhw

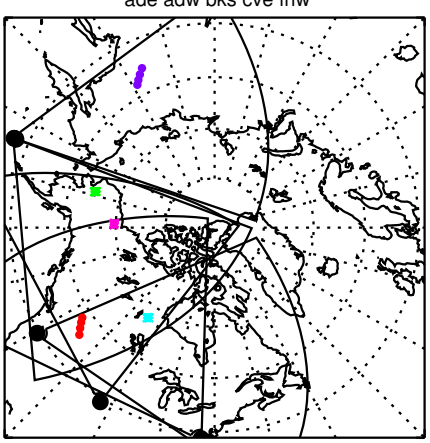


dce sps

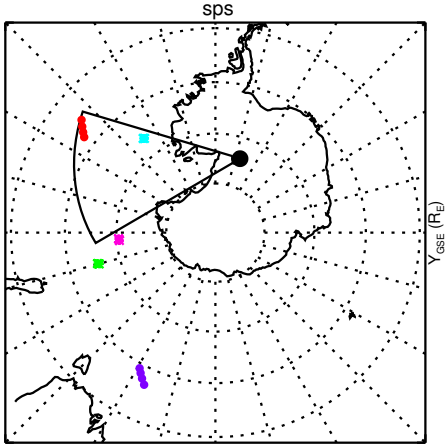


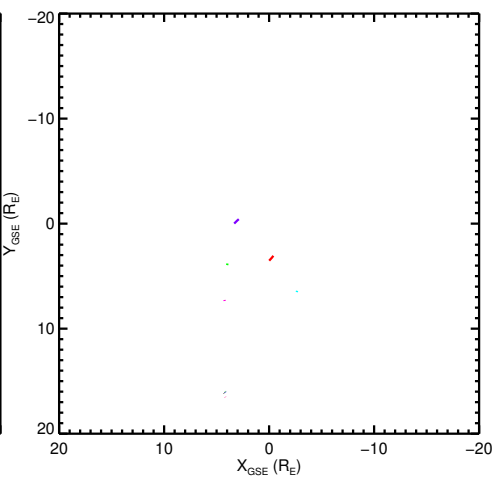


(b) 0235UT to 0250UT
ade adw bks cve fhw

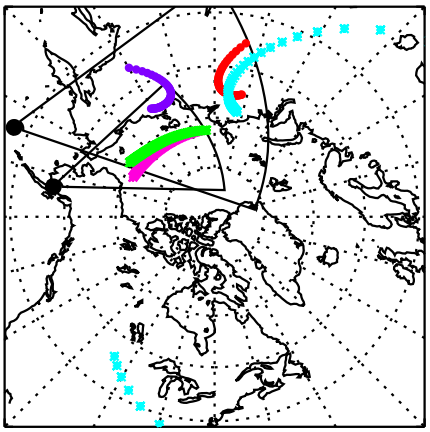


sps

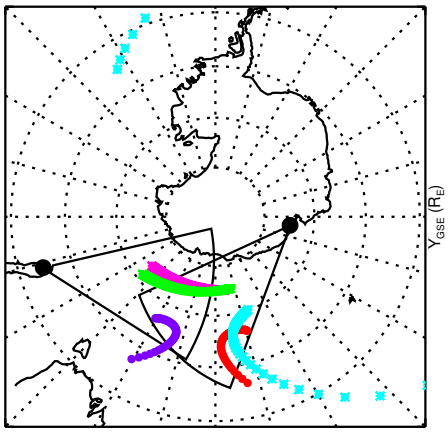


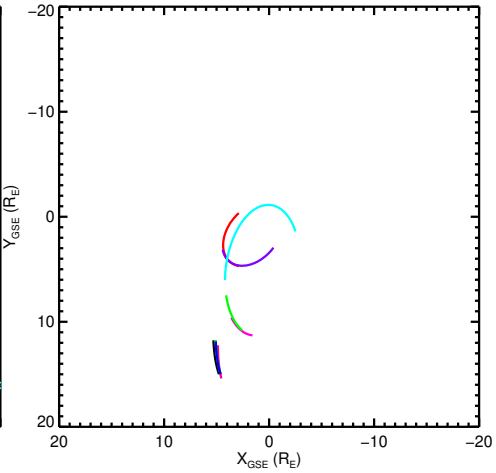


(c) 0500UT to 0930UT
adw ksr

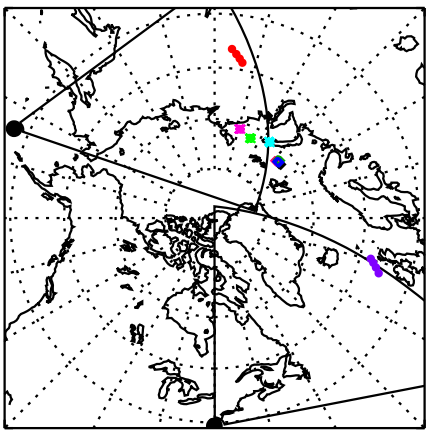


unw zho

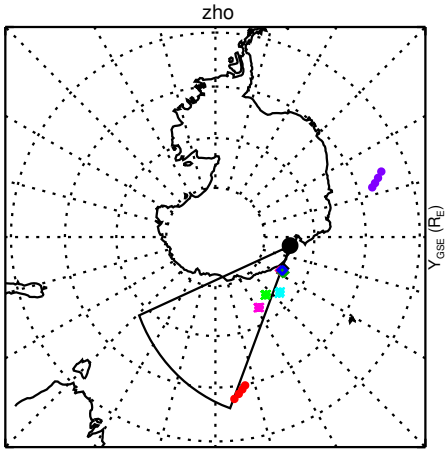


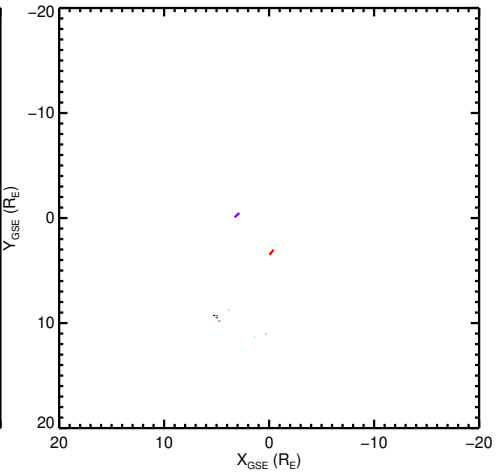


(d) 1135UT to 1150UT
adw wal

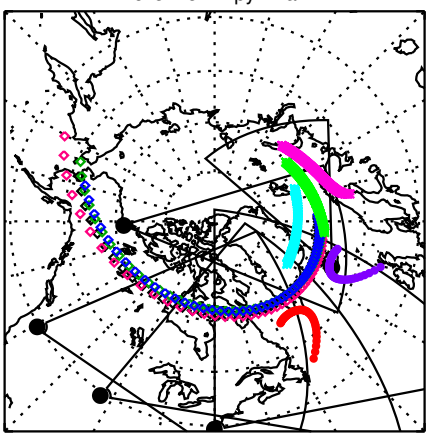


zho

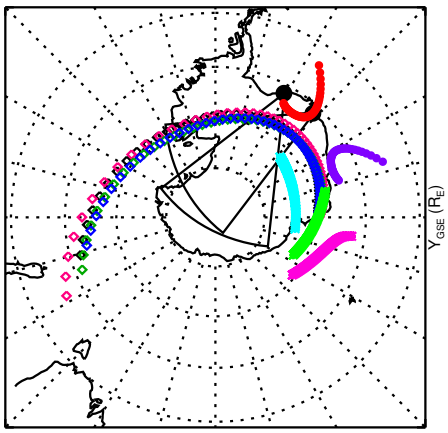


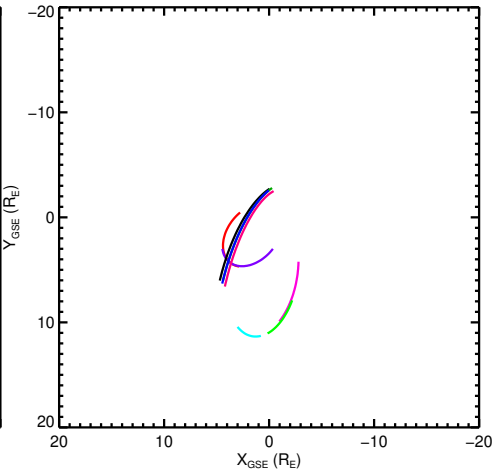


(e) 1355UT to 1830UT
cve fhe inv pyk wal

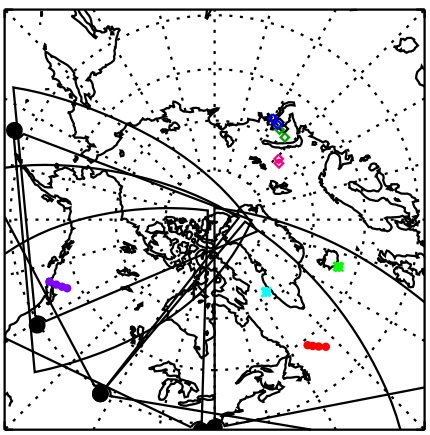


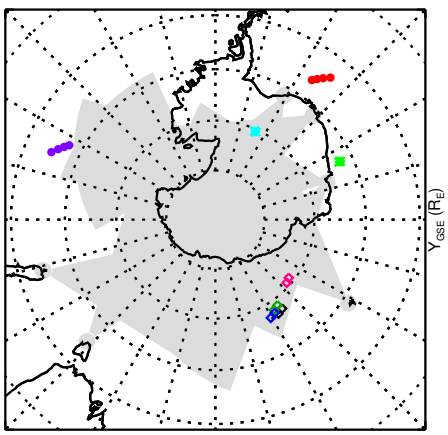
hal san

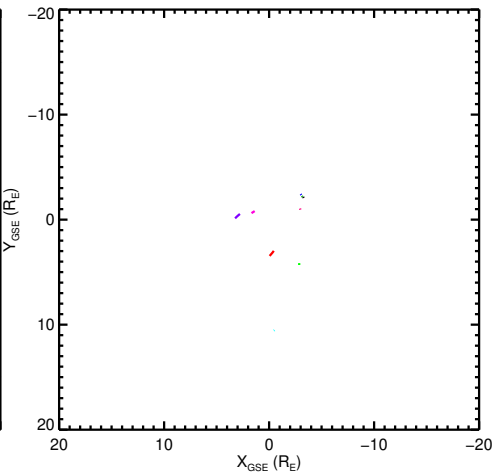




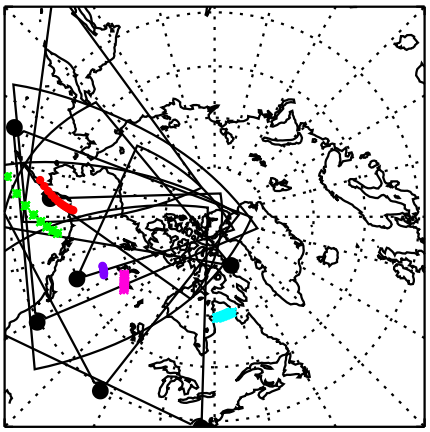
(f) 2035UT to 2050UT
ade bks cvw fhe fhw wal



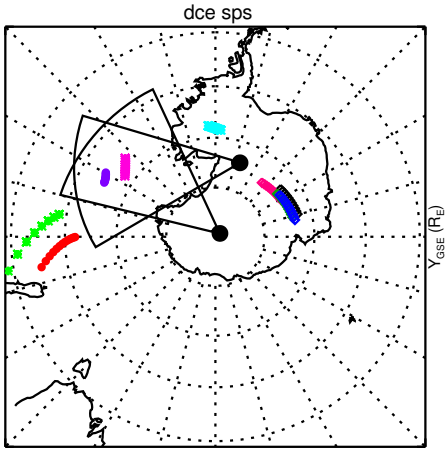


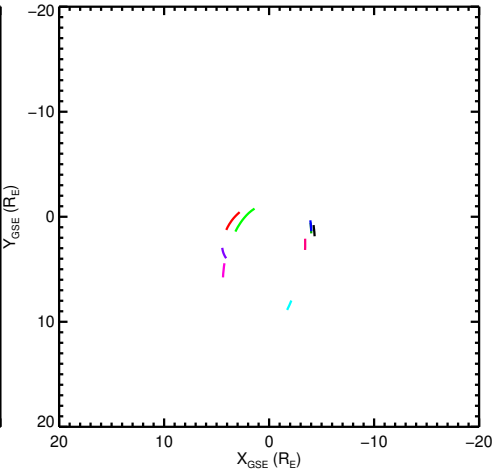


(g) 2255UT to 2355UT
ade bks cly cvw fhw hok kod pgr



dce sps

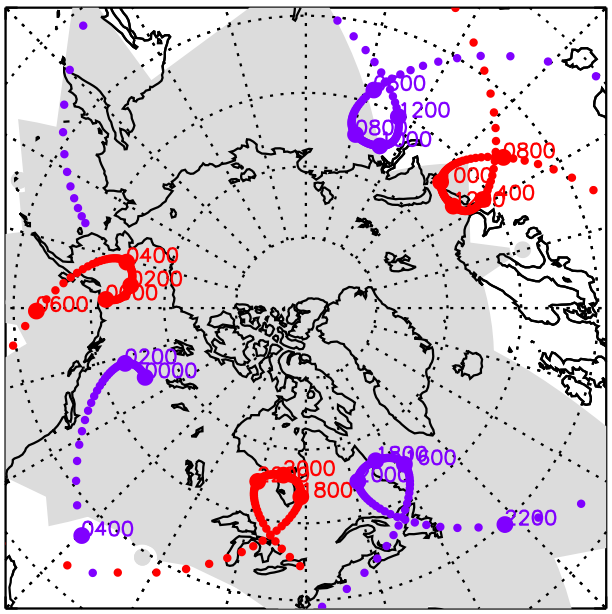


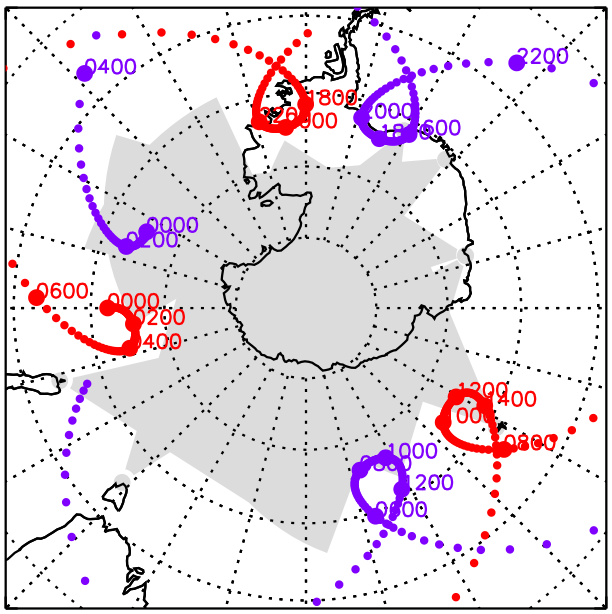


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

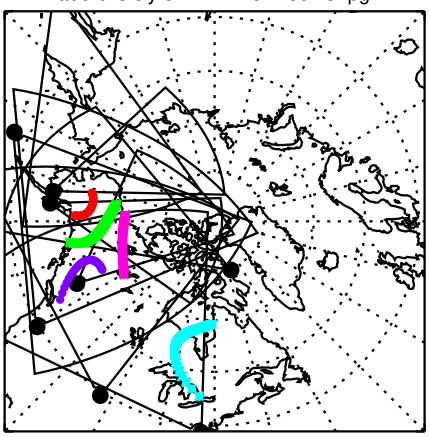
10–Dec–2013

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

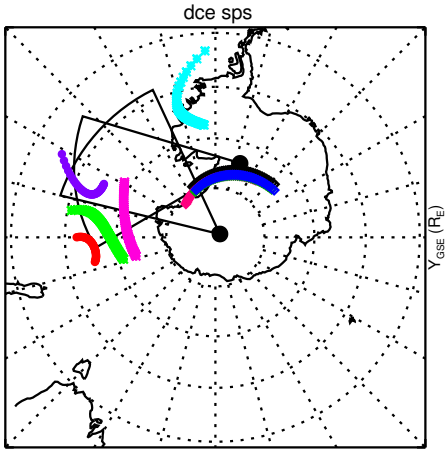


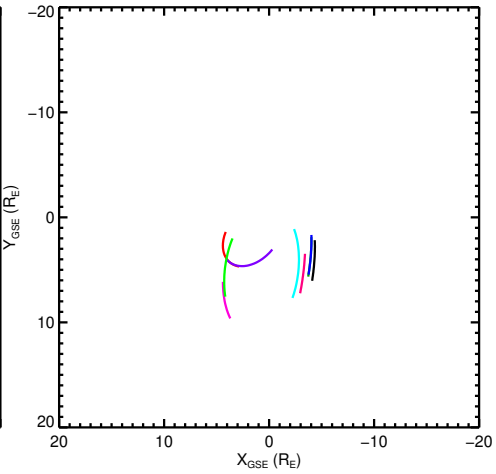


(a) 0000UT to 0330UT
ade bks cly cvw fhw hok kod ksr pgr

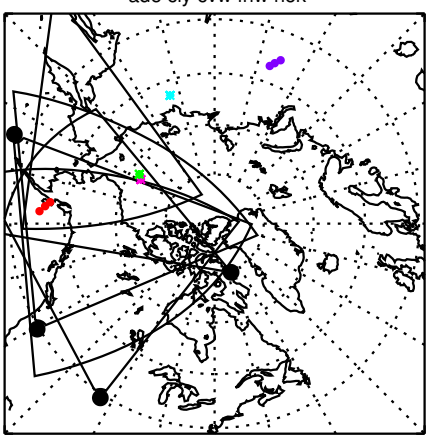


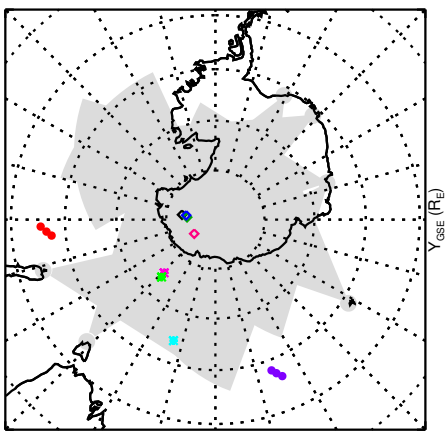
dce sps

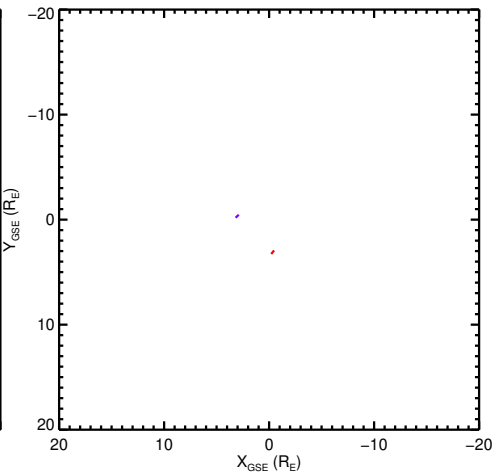




(b) 0540UT to 0550UT
ade cly cvw fhw hok

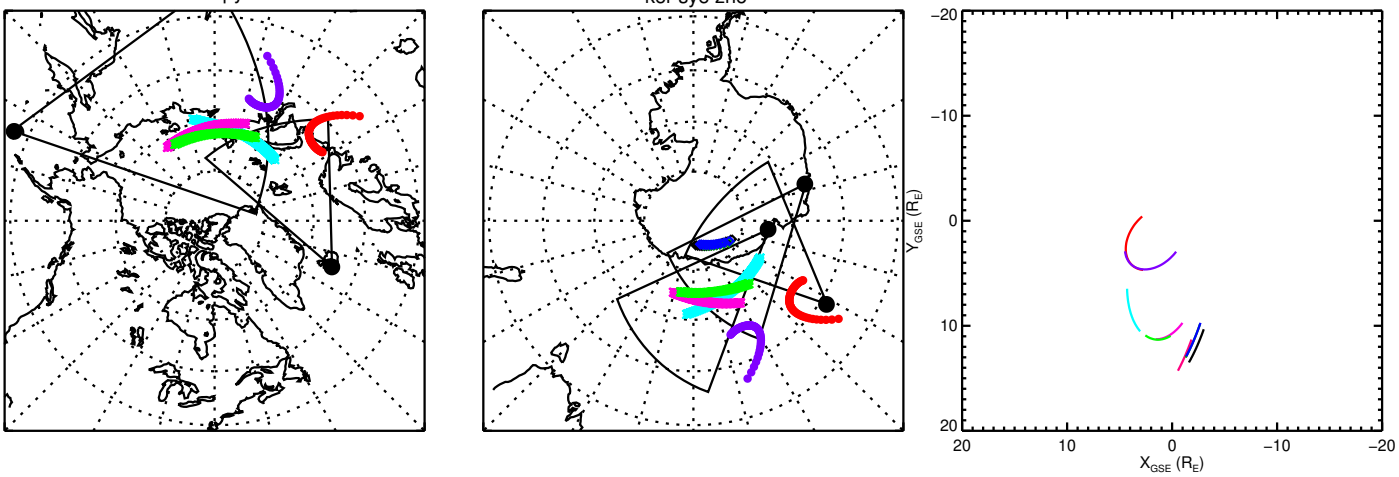




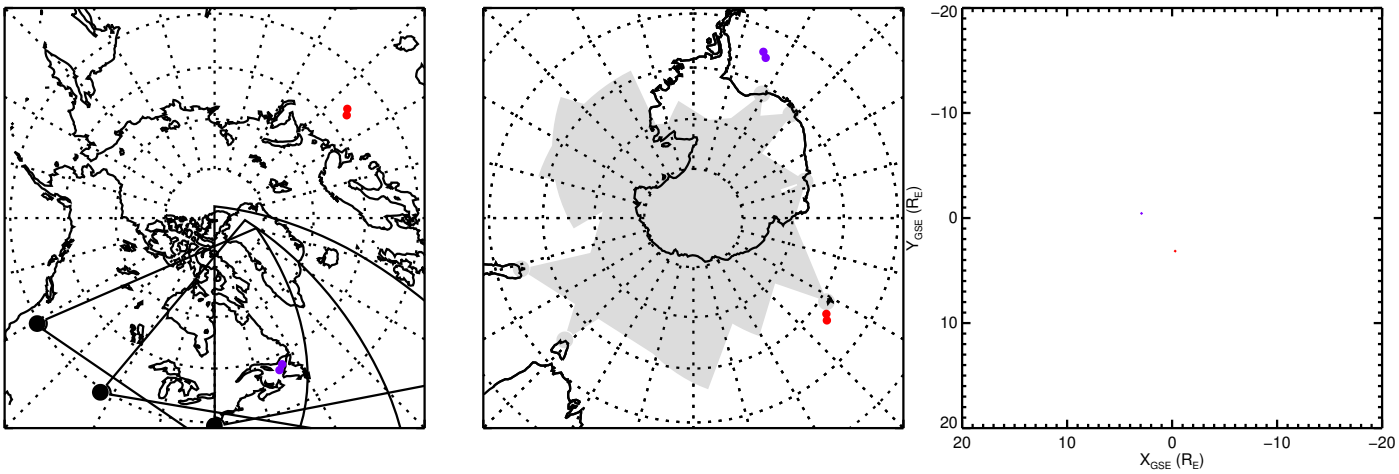


(c) 0755UT to 1235UT
adw pyk

ker sye zho

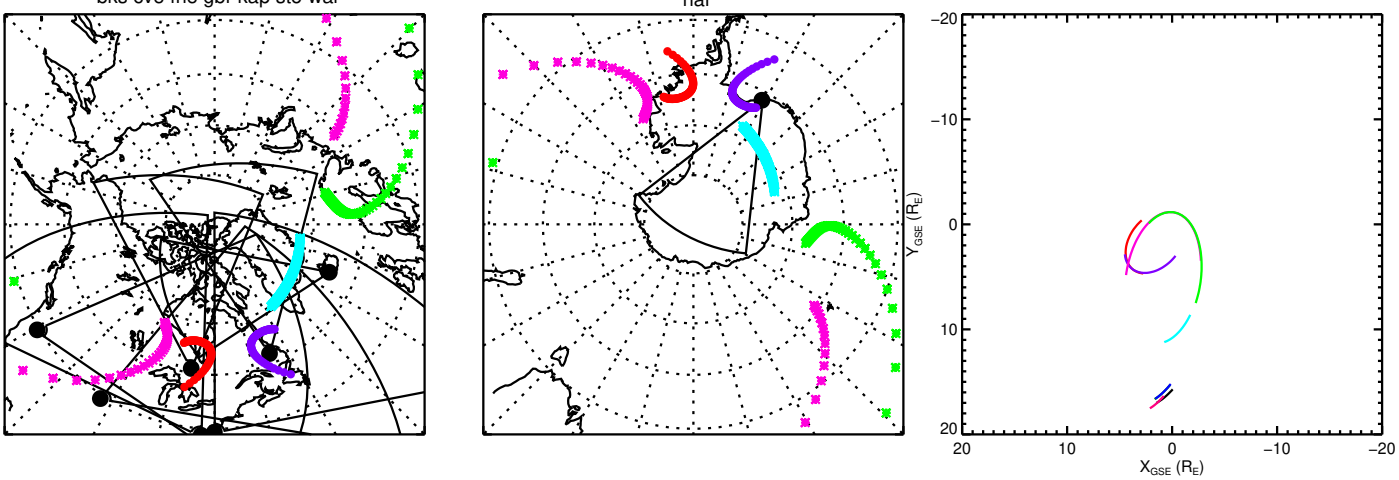


(d) 1440UT to 1445UT
cve fhe wal

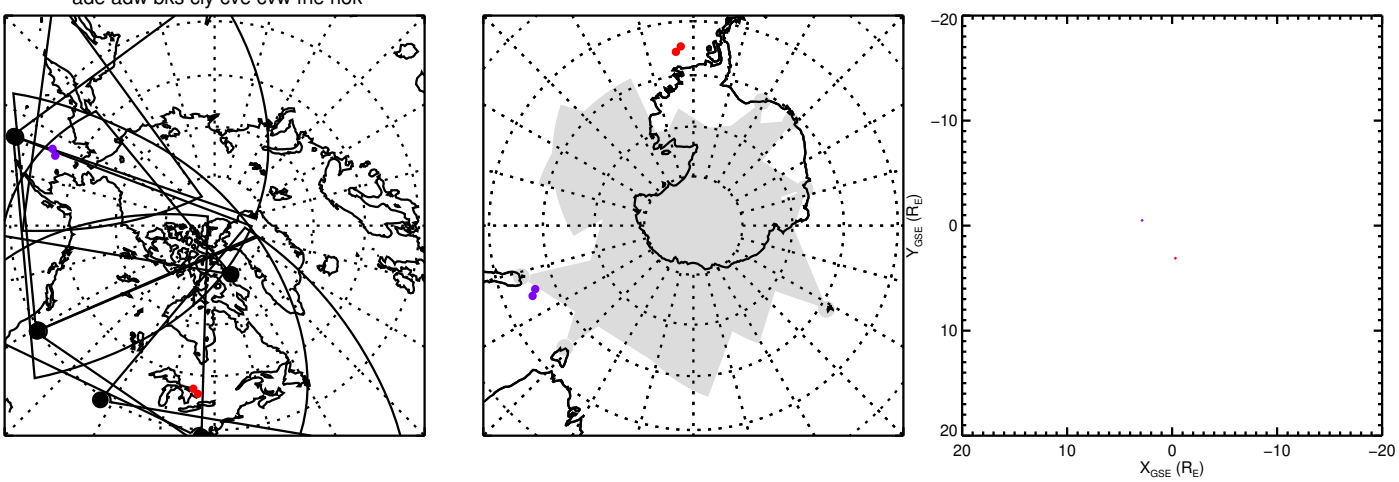


(e) 1655UT to 2135UT
bks cve fhe gbr kap sto wal

hal



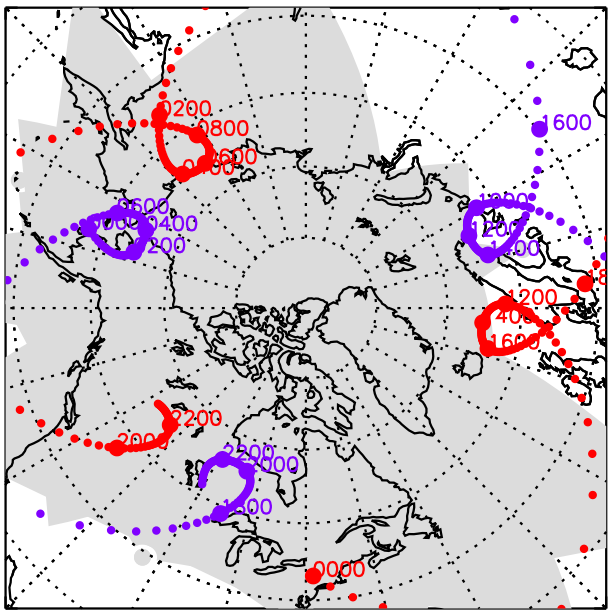
(f) 2340UT to 2345UT
ade adw bks cly cve cvw fhe hok

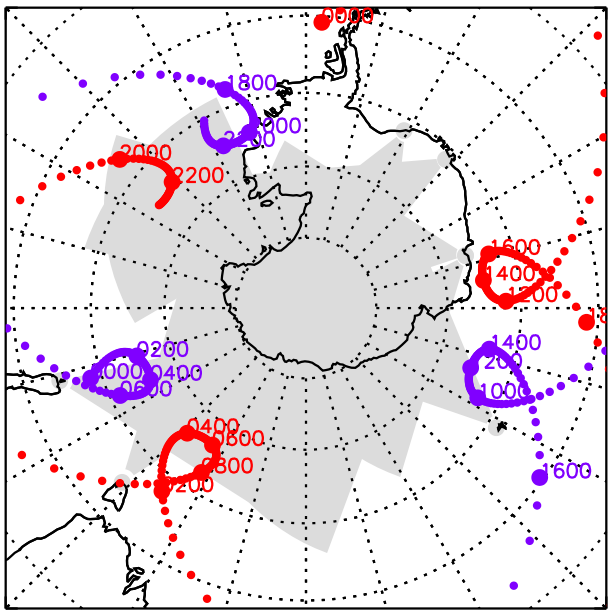


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

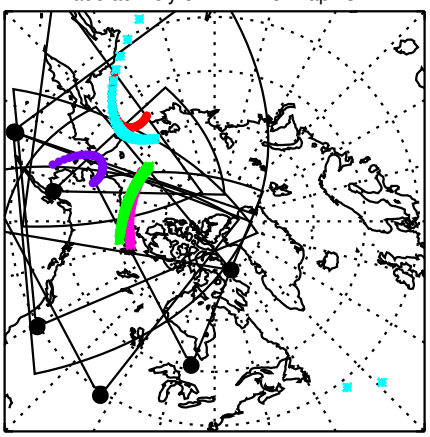
11–Dec–2013

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

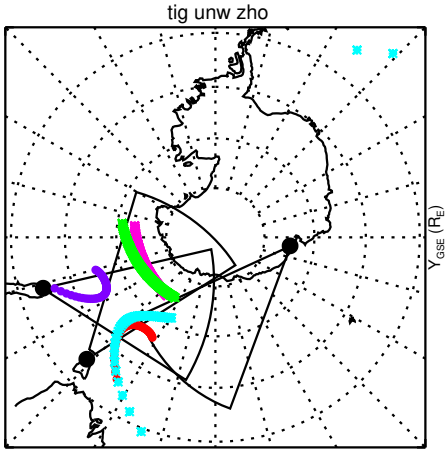


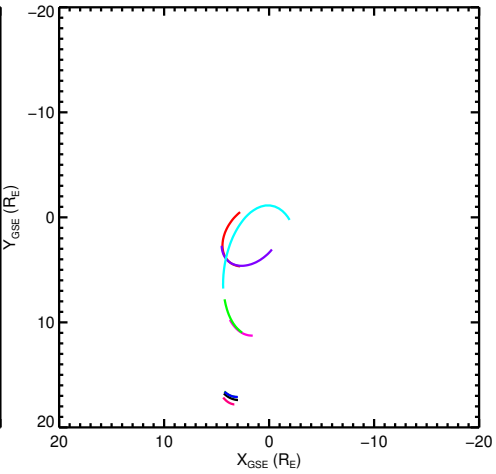


(a) 0150UT to 0635UT
ade adw cly cvw fhw hok kap ksr

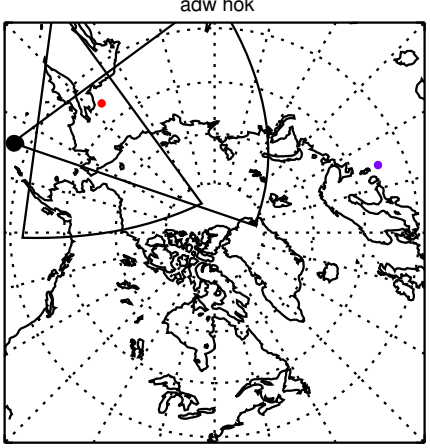


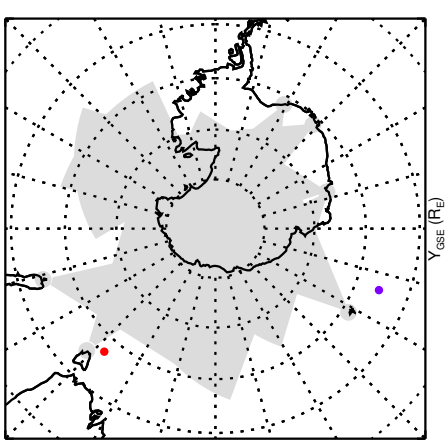
tig unw zho

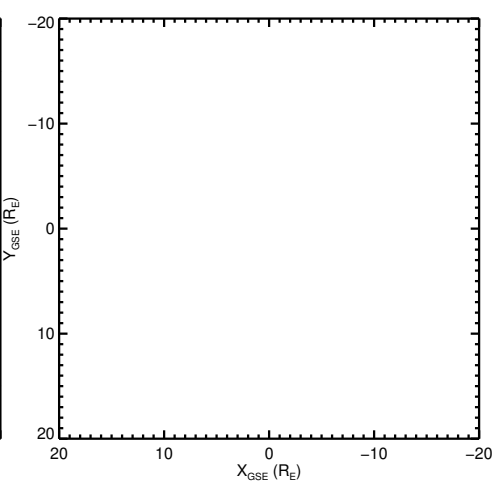




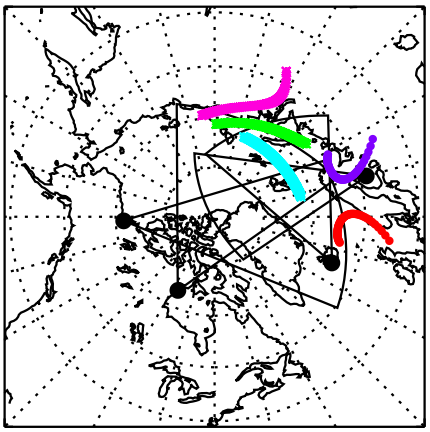
(b) 0845UT to 0845UT
adw hok



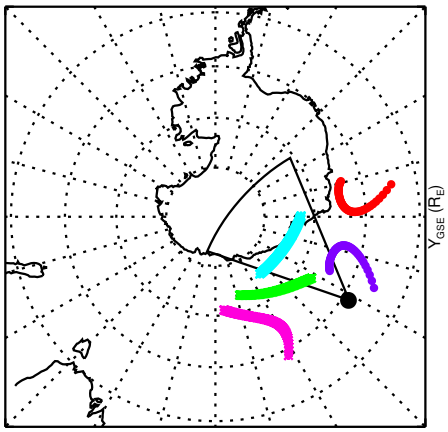


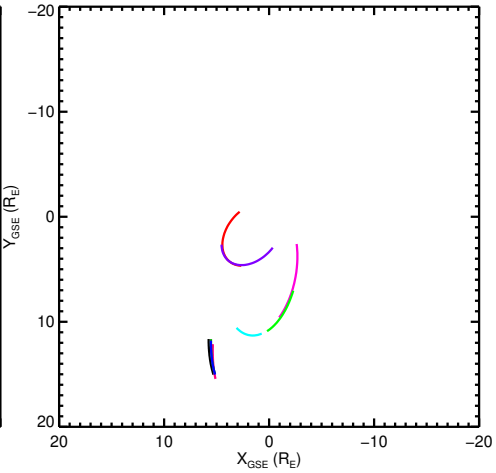


(c) 1050UT to 1540UT
han inv pyk rkn

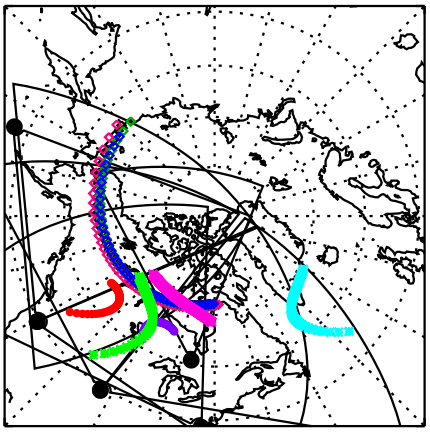


ker

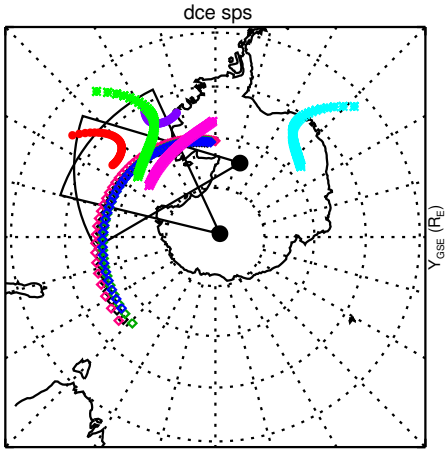


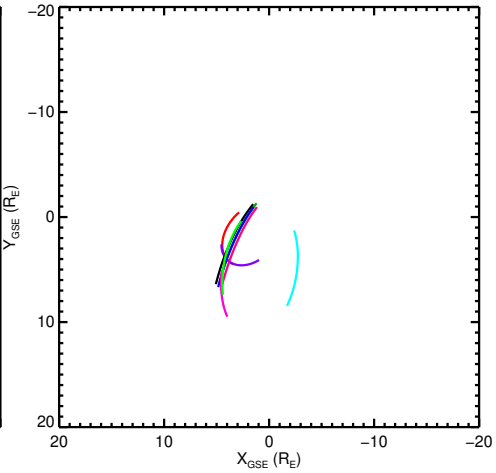


(d) 1950UT to 2355UT
ade bks cve cvw fhe fhw kap



dce sps

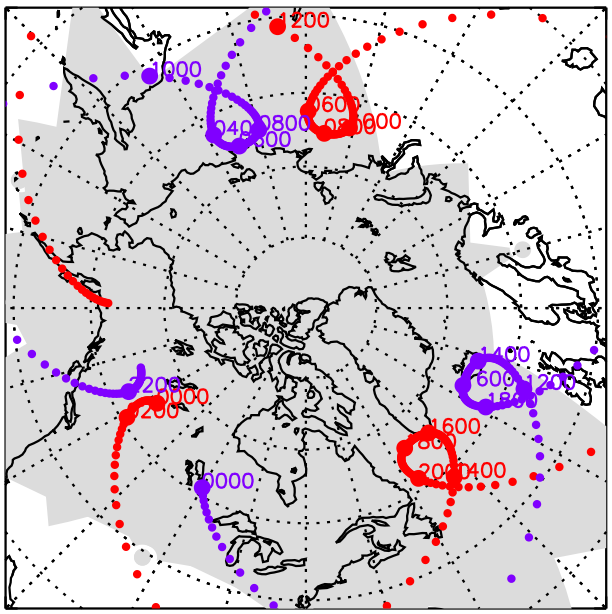


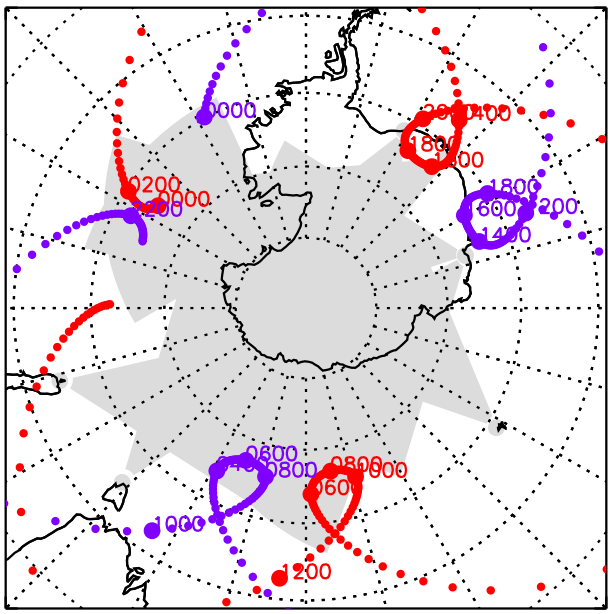


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

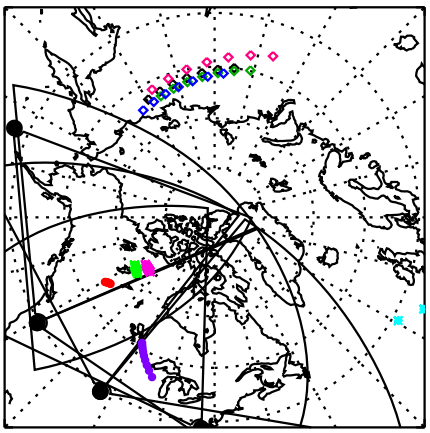
12–Dec–2013

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

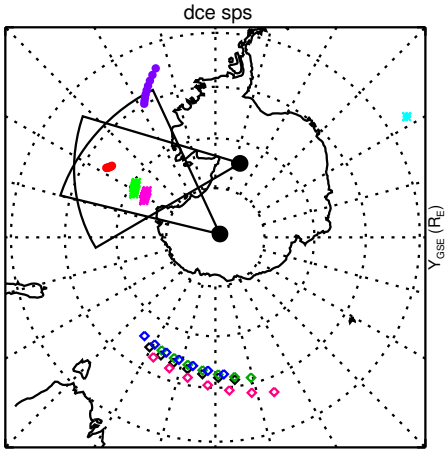


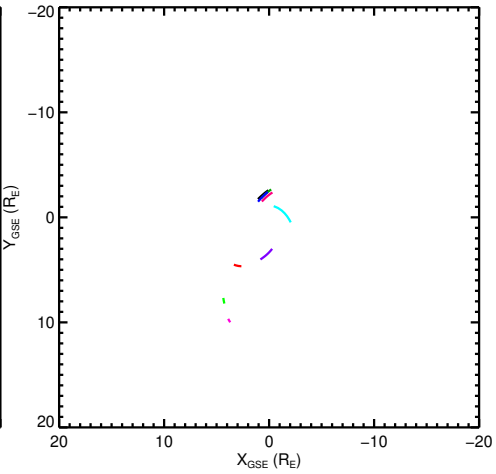


(a) 0000UT to 0040UT
ade bks cve cvw fhe fhw

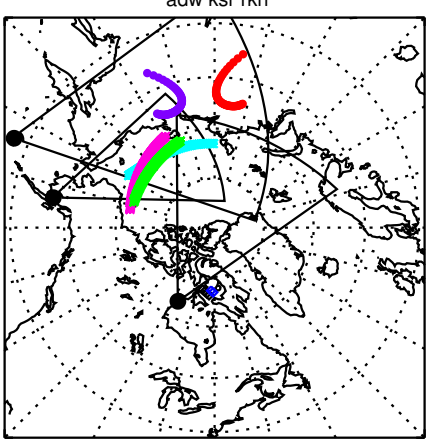


dce sps

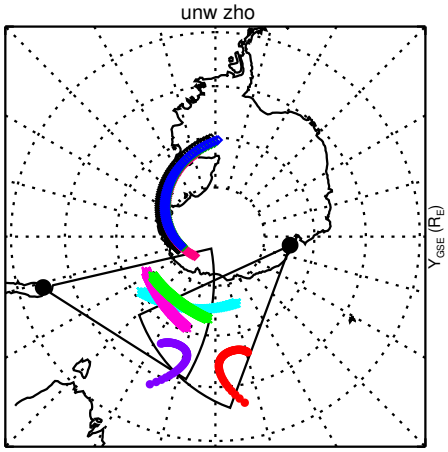


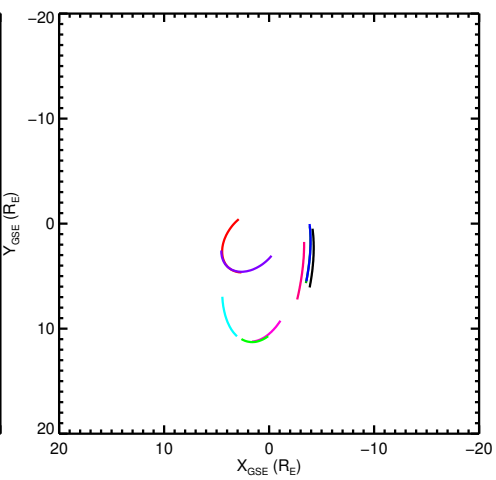


(b) 0450UT to 0940UT
adw ksr rkn

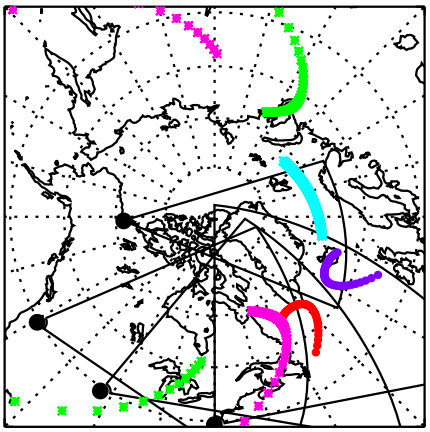


unw zho

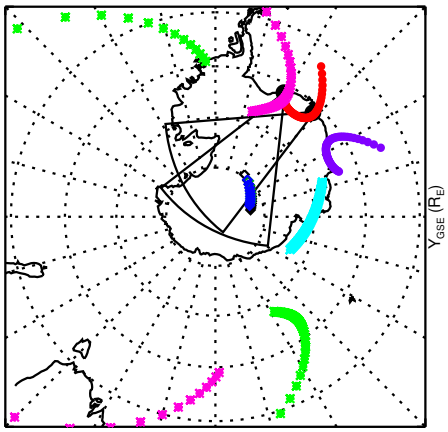


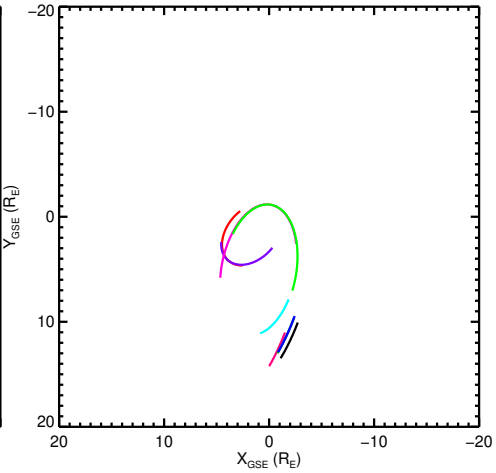


(c) 1345UT to 1845UT
cve fhe inv wal

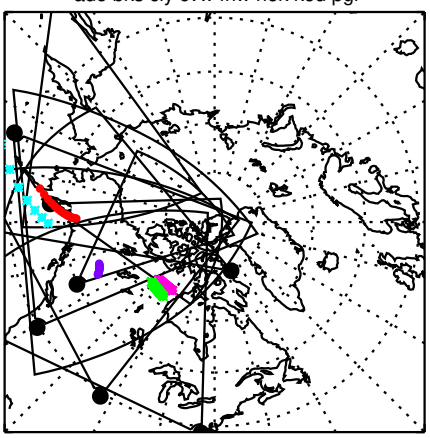


hal san

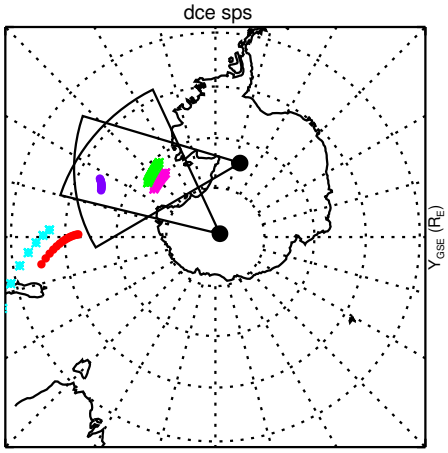


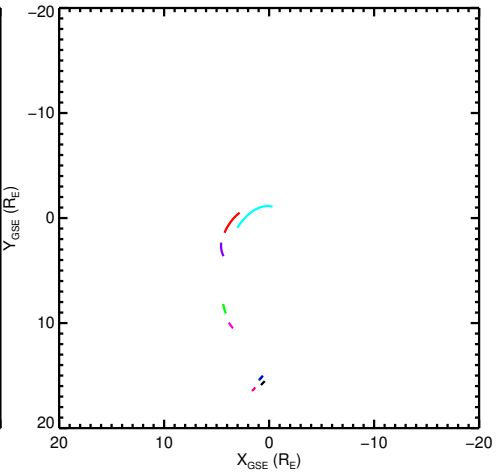


(d) 2245UT to 2355UT
ade bks cly cvw fhw hok kod pgr



dce sps

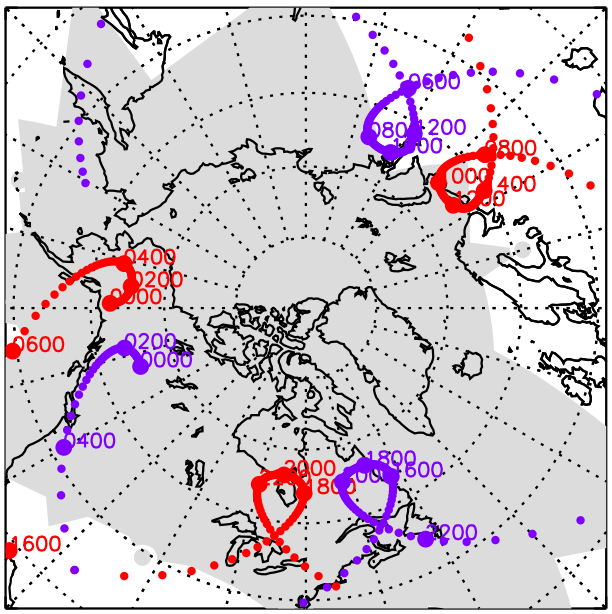


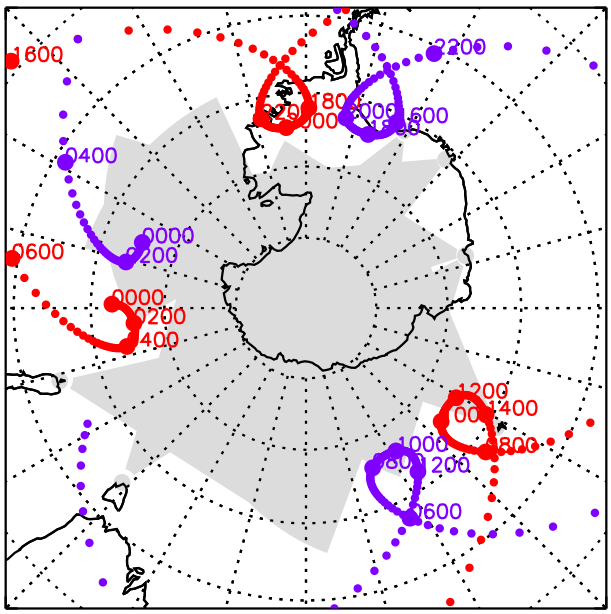


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

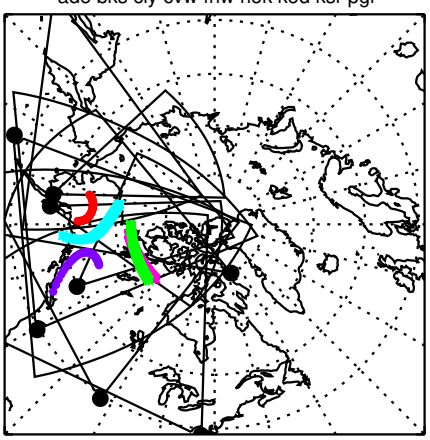
13–Dec–2013

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

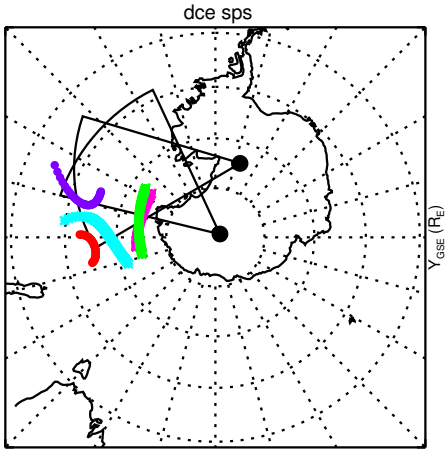


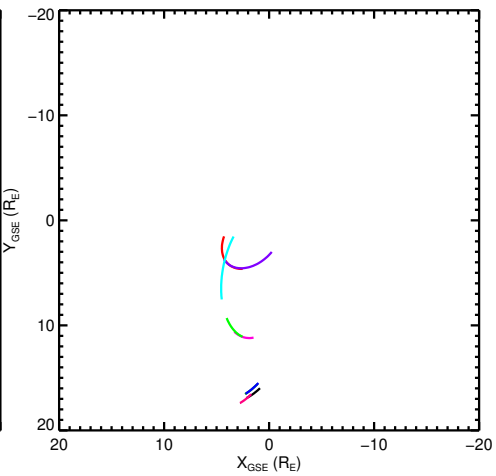


(a) 0000UT to 0345UT
ade bks cly cvw fhw hok kod ksr pgr

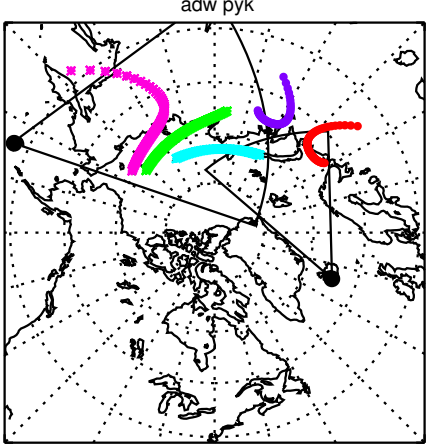


dce sps

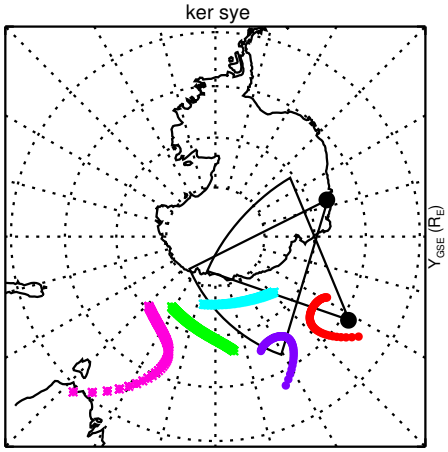


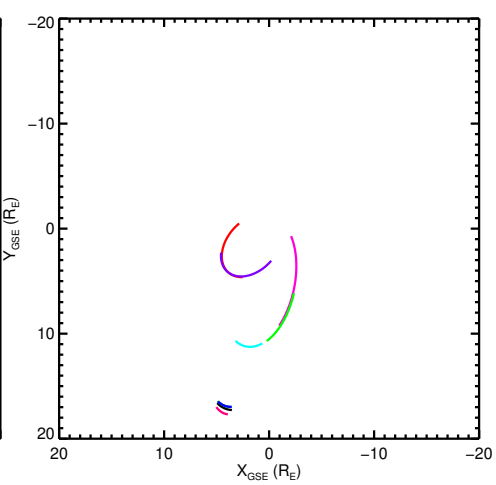


(b) 0745UT to 1245UT
adw pyk

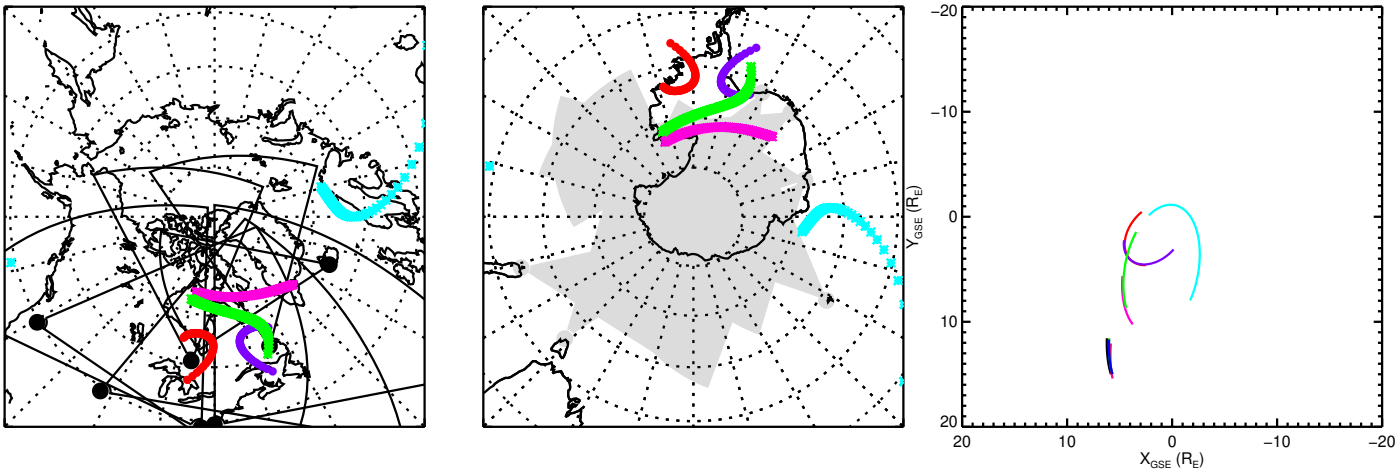


ker sye





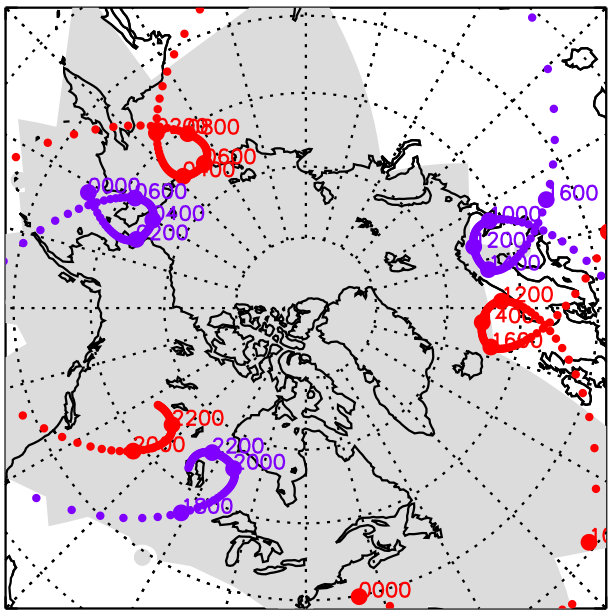
(c) 1645UT to 2145UT
bks cve fhe gbr kap sto wal

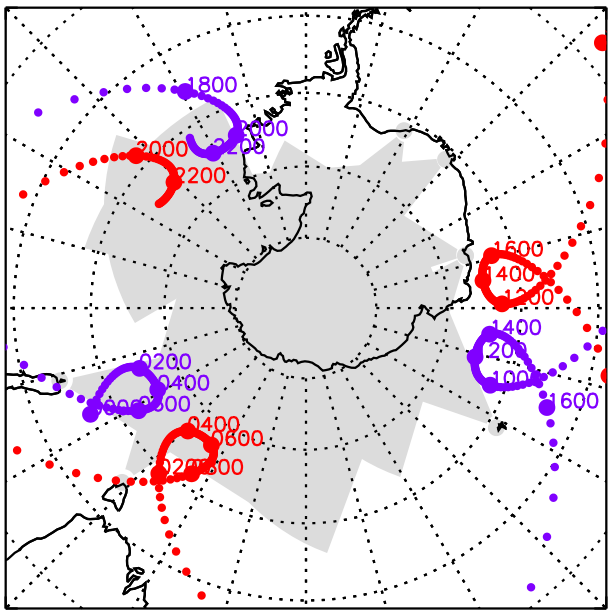


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

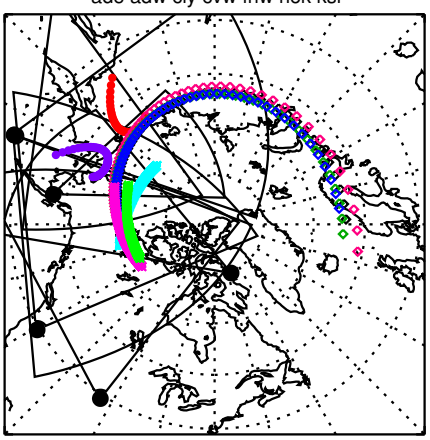
14–Dec–2013

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

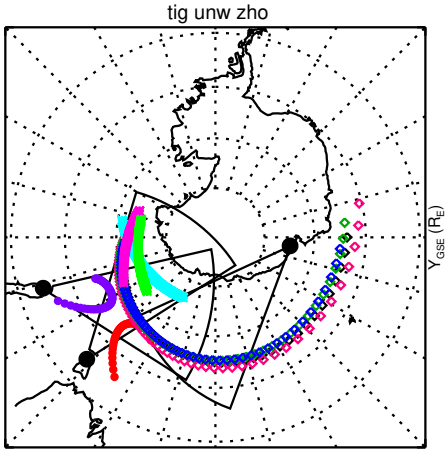


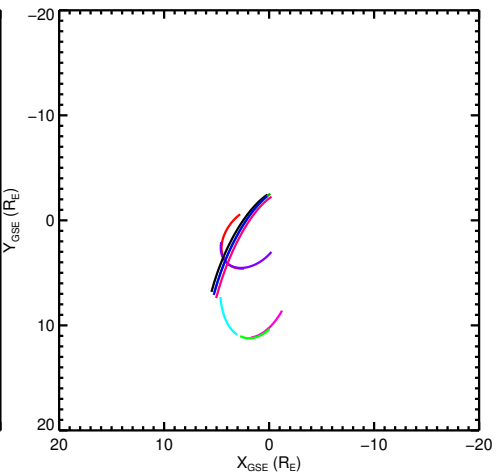


(a) 0140UT to 0650UT
ade adw cly cvw fhw hok ksr

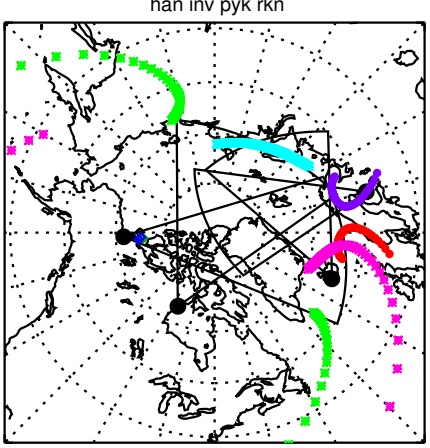


tig unw zho

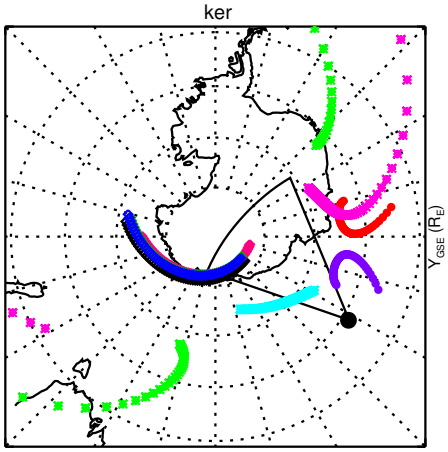


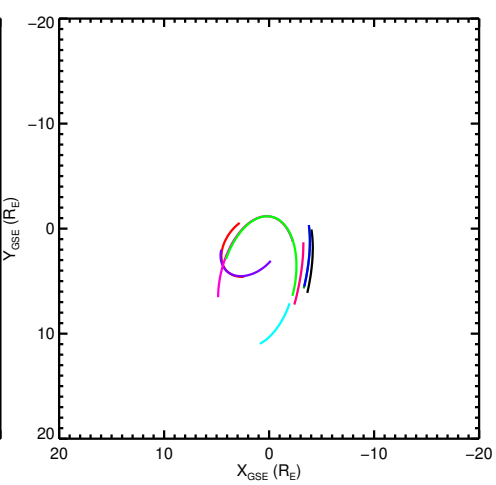


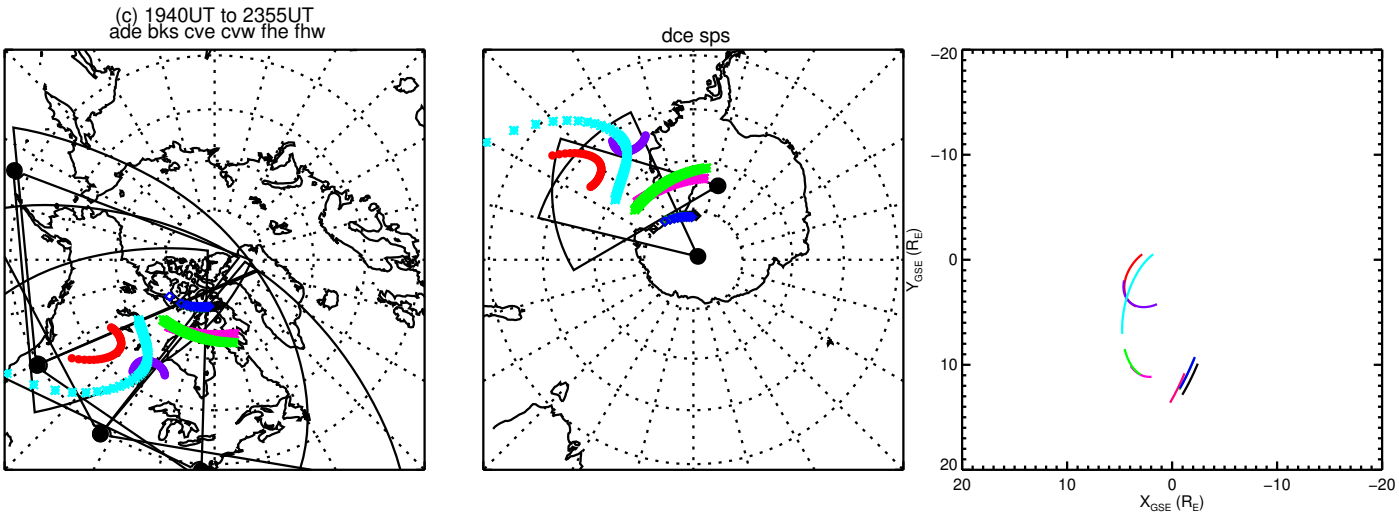
(b) 1040UT to 1550UT
han inv pyk rkn



ker



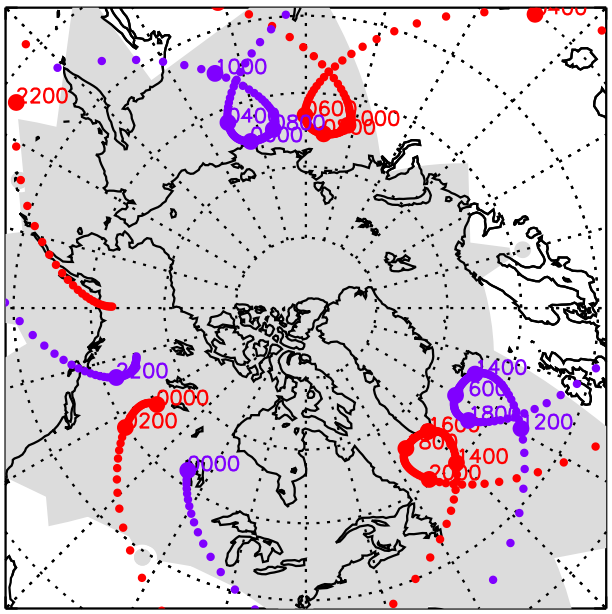


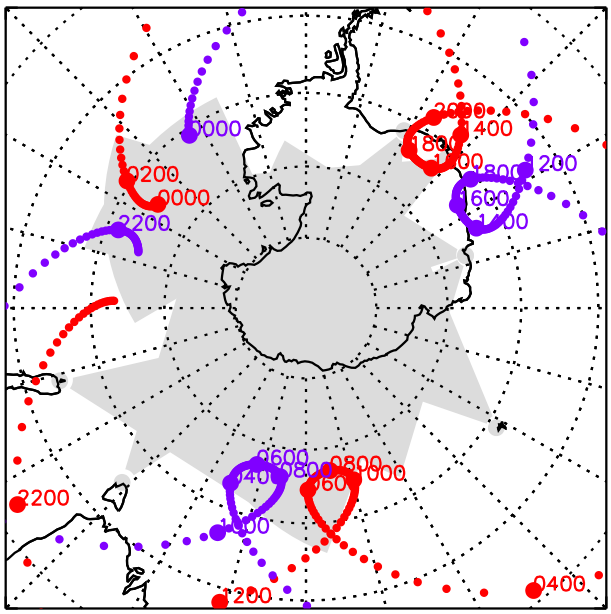

(c) 1940UT to 2355UT
ade bks cve cvw fhe fhw
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

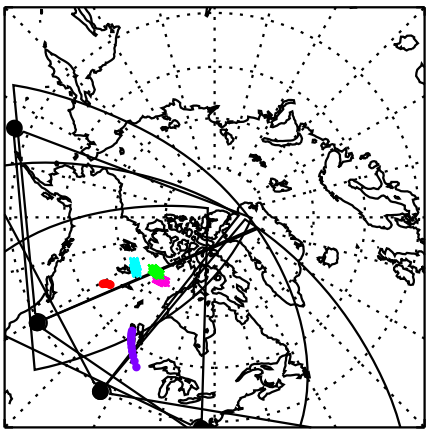
15–Dec–2013

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

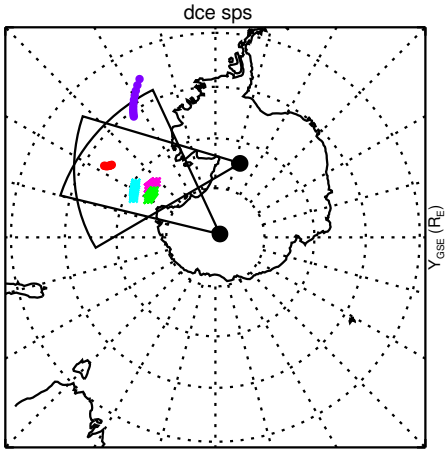


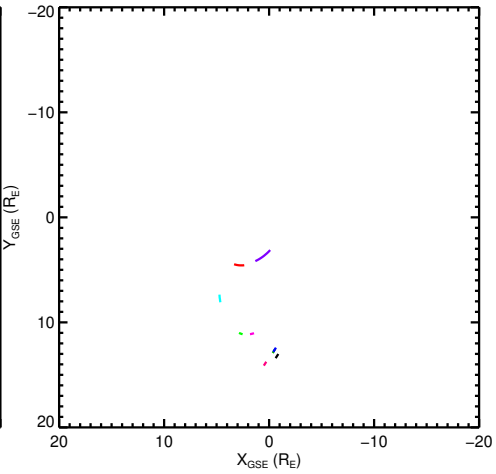


(a) 0000UT to 0050UT
ade bks cve cvw fhe fhw

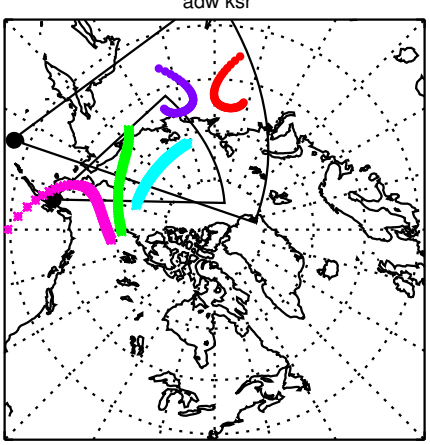


dce sps

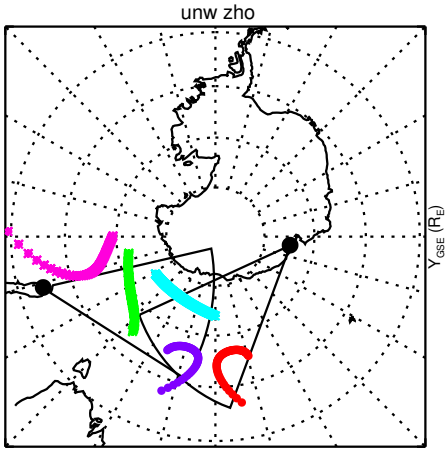


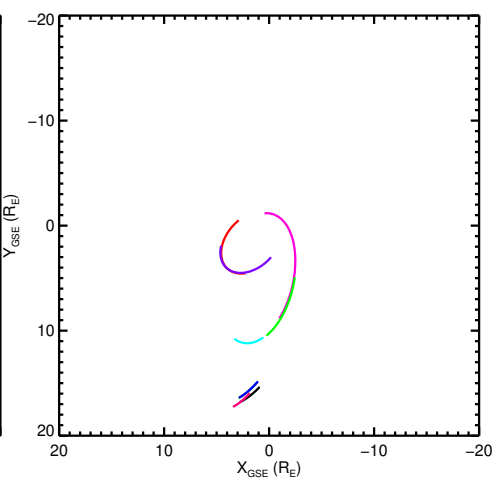


(b) 0440UT to 0955UT
adw ksr

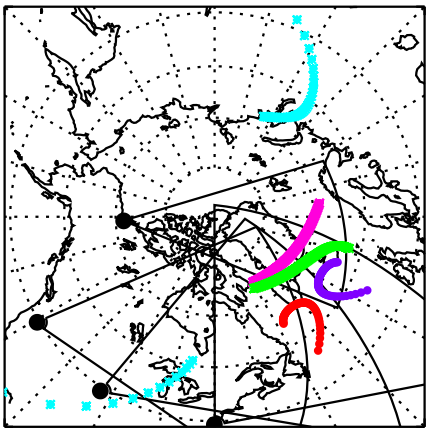


unw zho

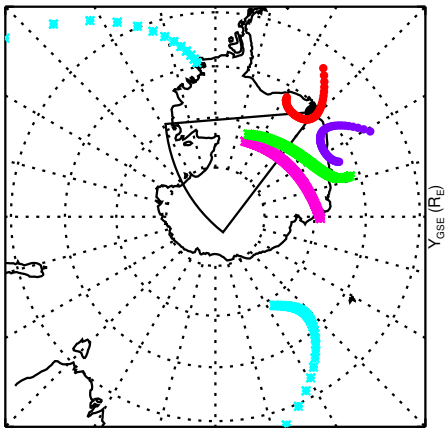


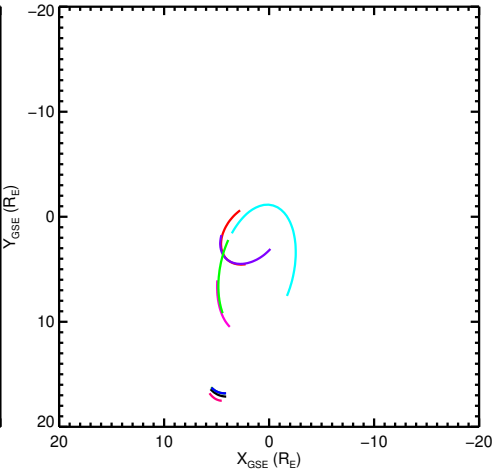


(c) 1335UT to 1855UT
cve fhe inv wal

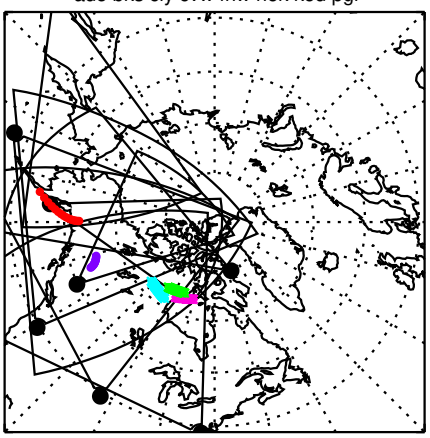


san

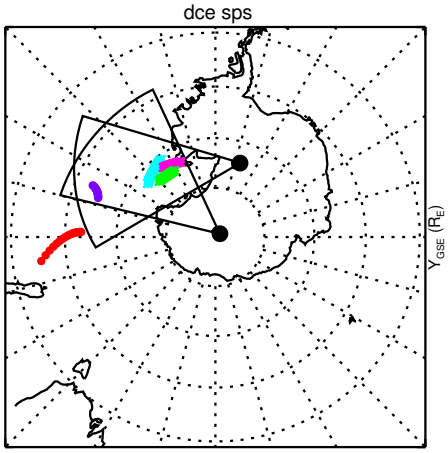


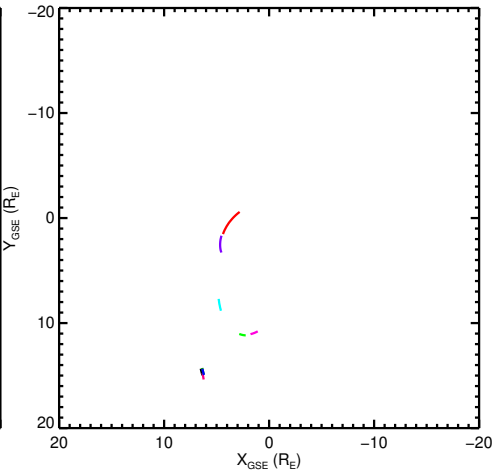


(d) 2235UT to 2355UT
ade bks cly cvw fhw hok kod pgr



dce sps

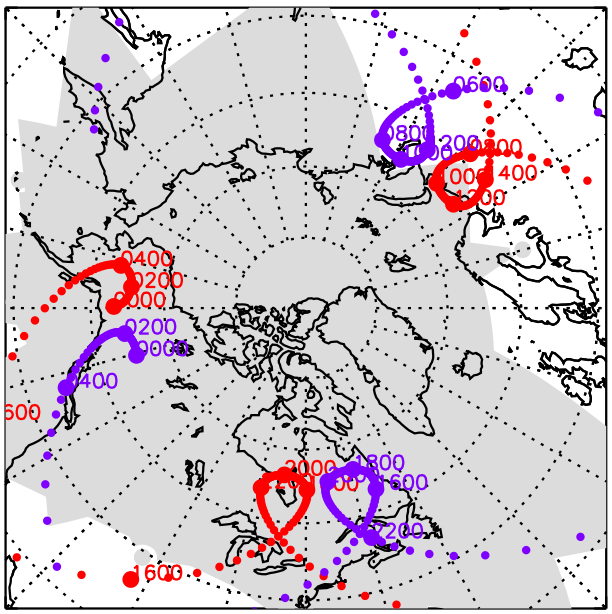


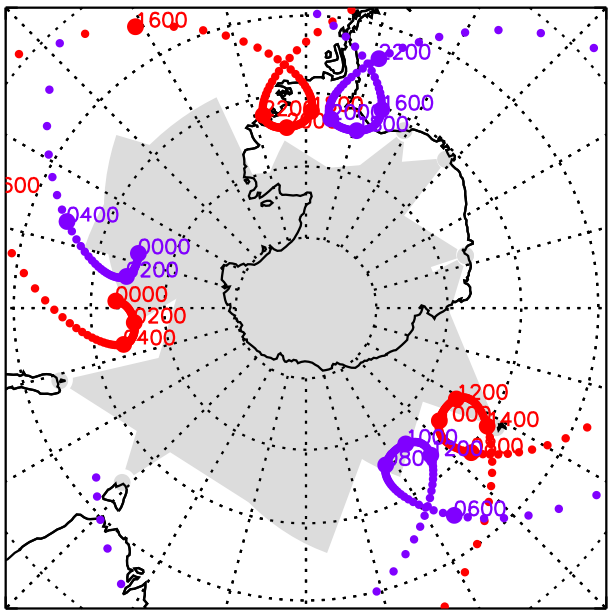


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

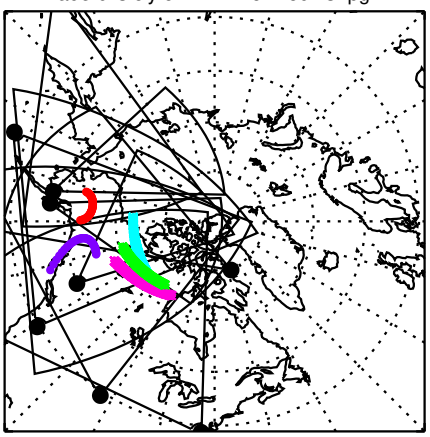
16–Dec–2013

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

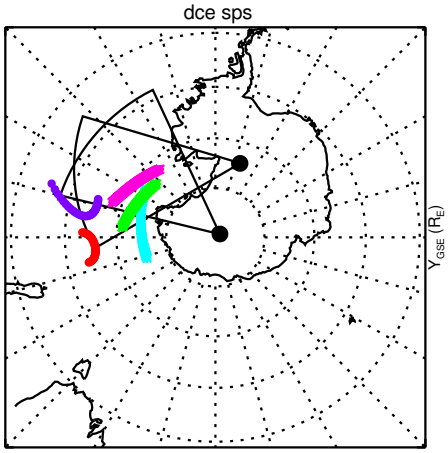


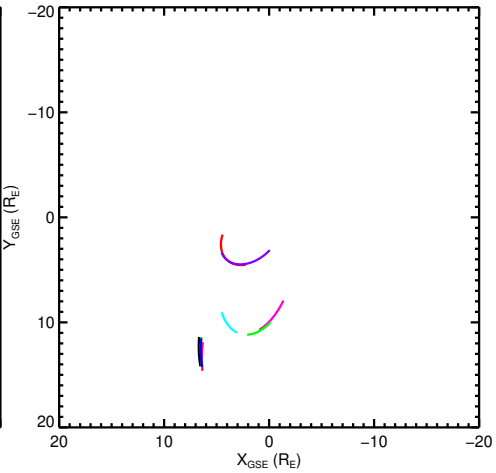


(a) 0000UT to 0355UT
ade bks cly cvw fhw hok kod ksr pgr

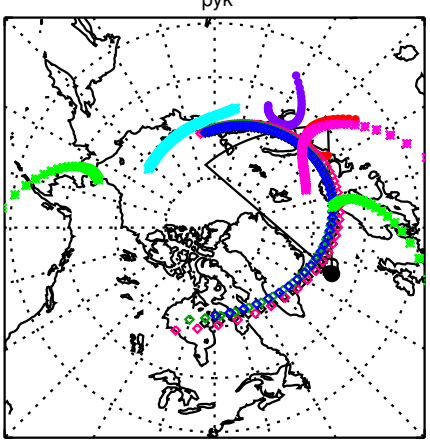


dce sps

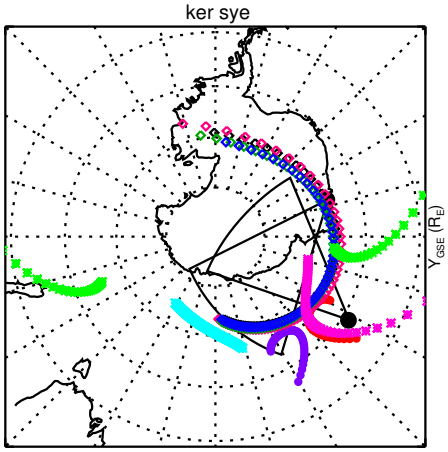


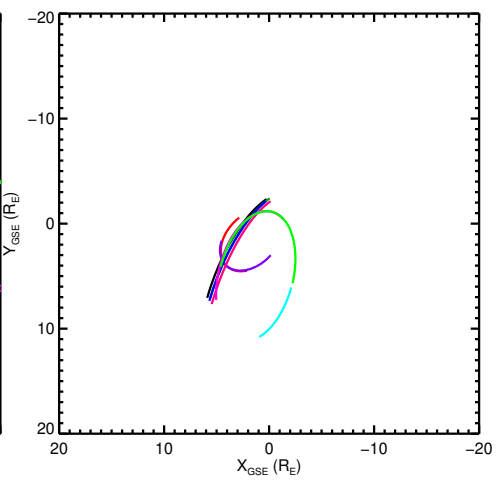


(b) 0735UT to 1300UT
pyk

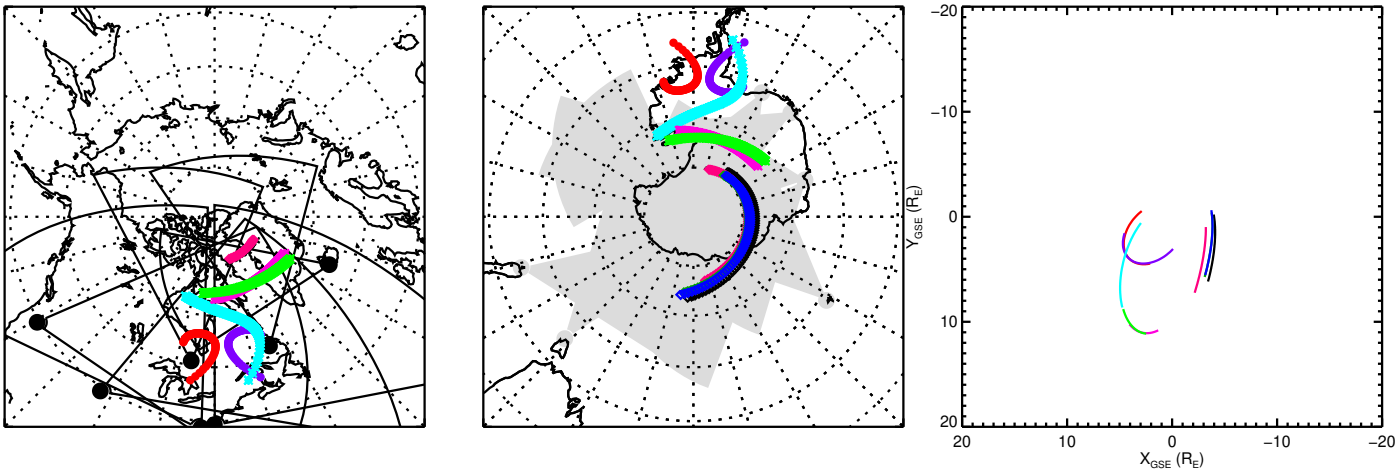


ker sye





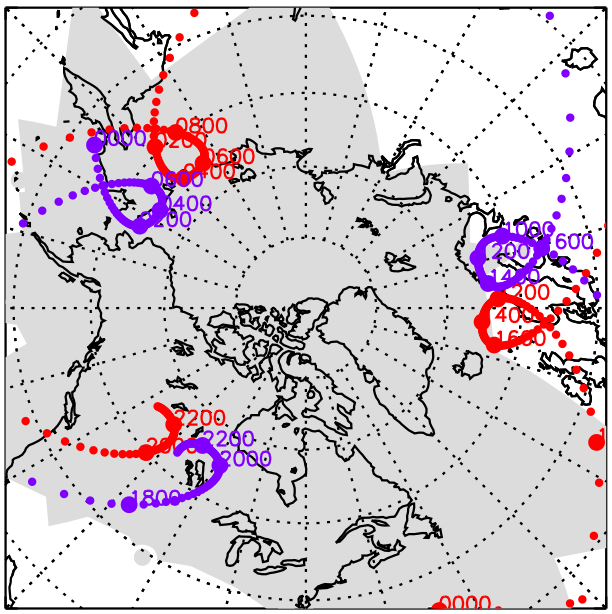
(c) 1635UT to 2200UT
bks cve fhe gbr kap sto wal

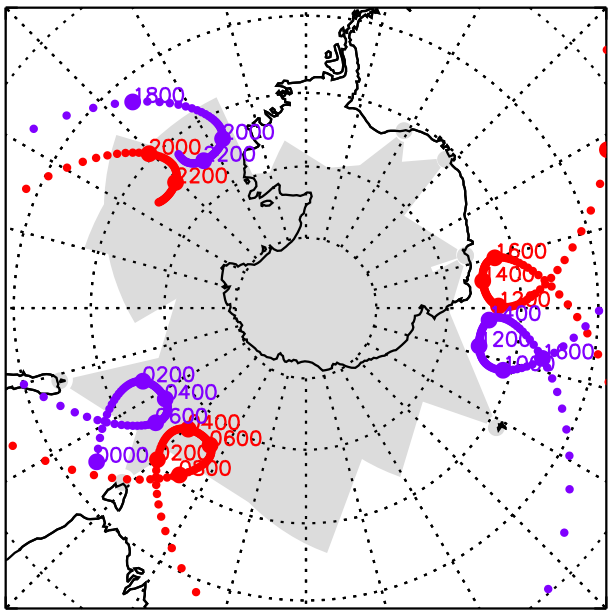


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

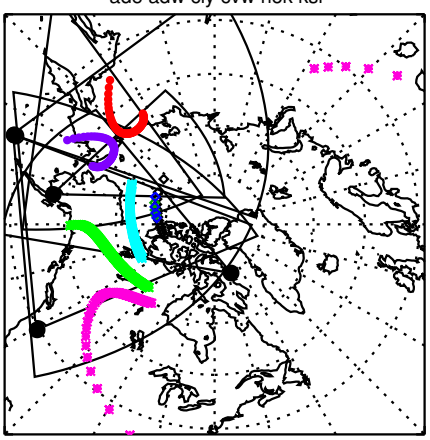
17–Dec–2013

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

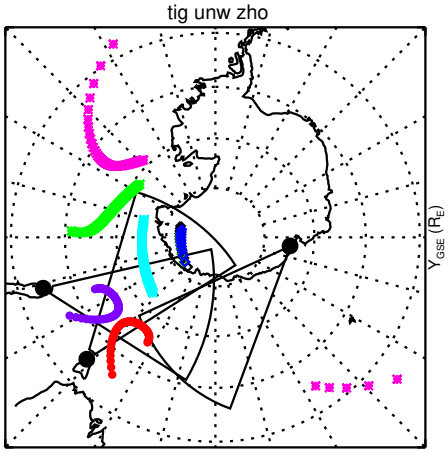


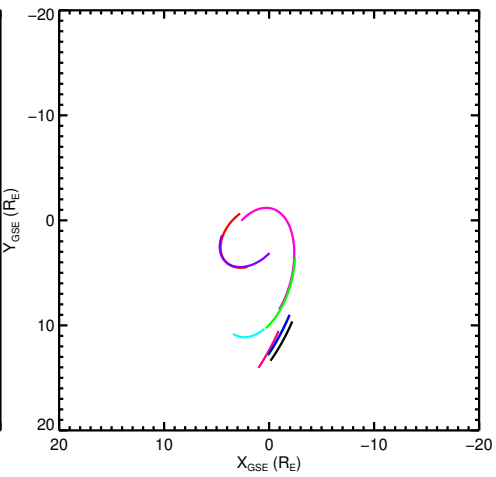


(a) 0130UT to 0700UT
ade adw cly cvw hok ksr

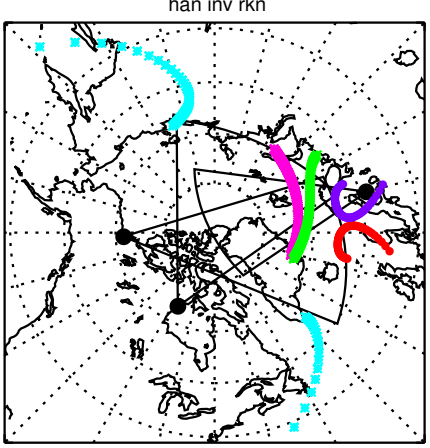


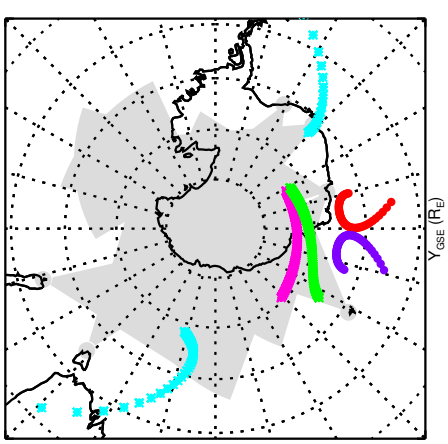
tig unw zho

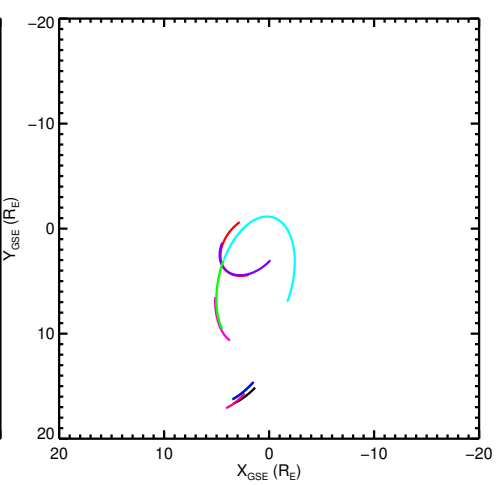


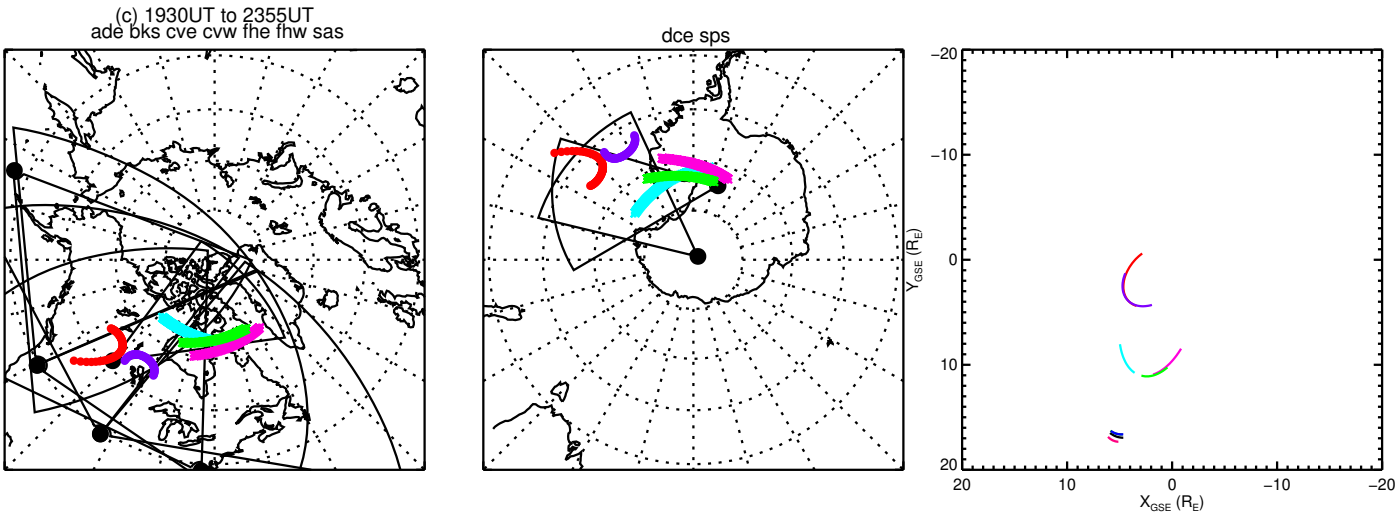


(b) 1030UT to 1605UT
han inv rkn





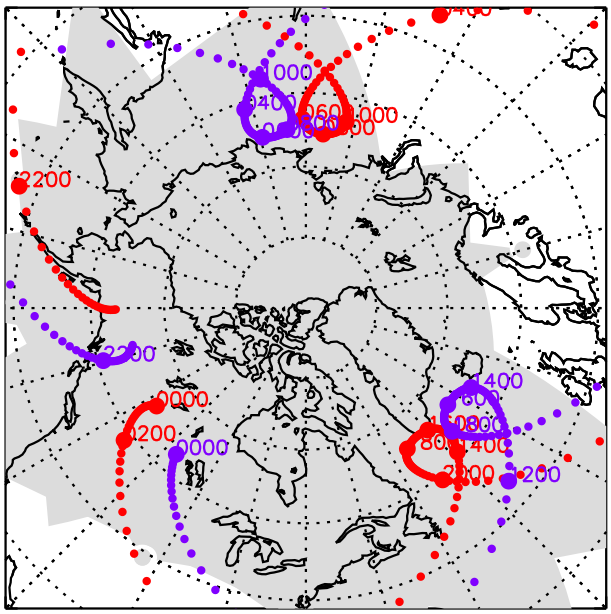


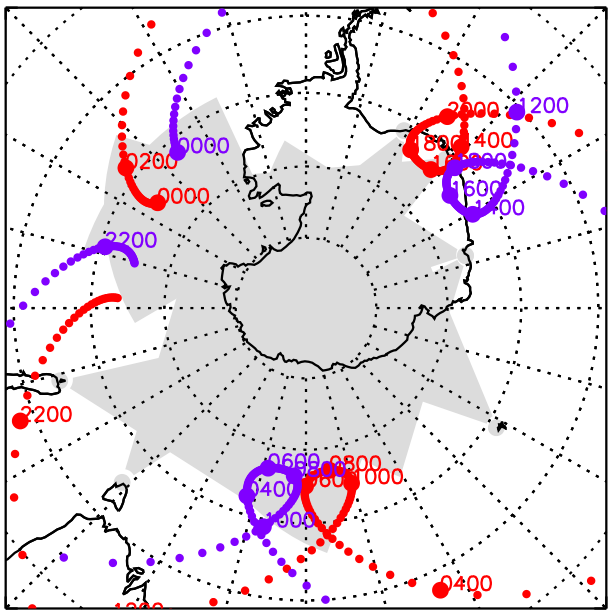

(c) 1930UT to 2355UT
ade bks cve cvw fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

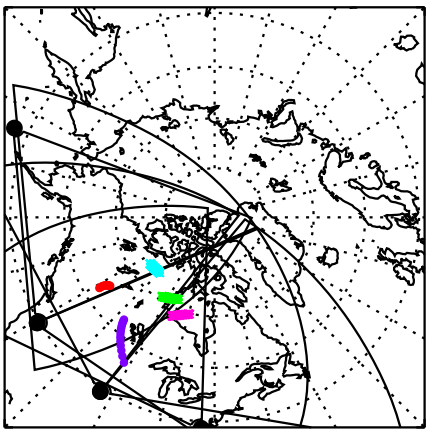
18–Dec–2013

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

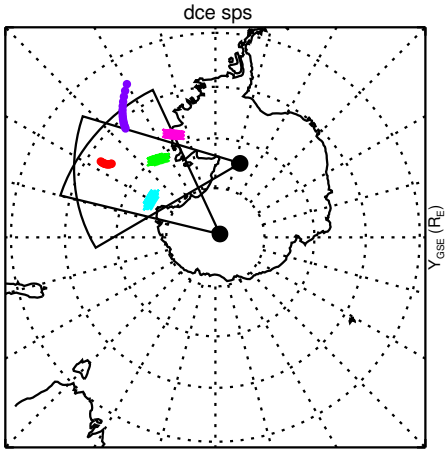


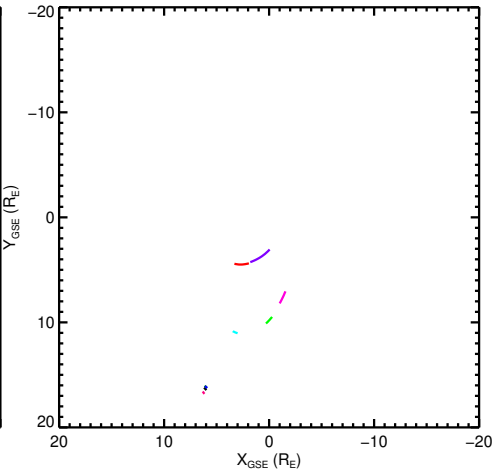


(a) 0000UT to 0105UT
ade bks cve cvw fhe fhw

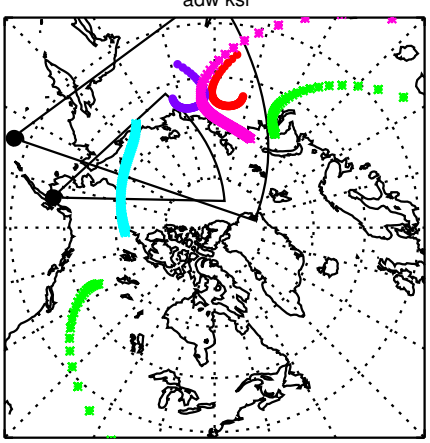


dce sps

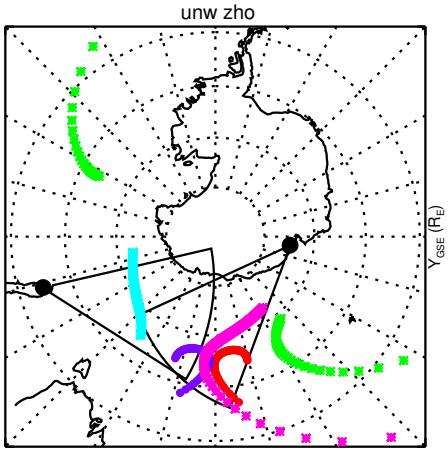


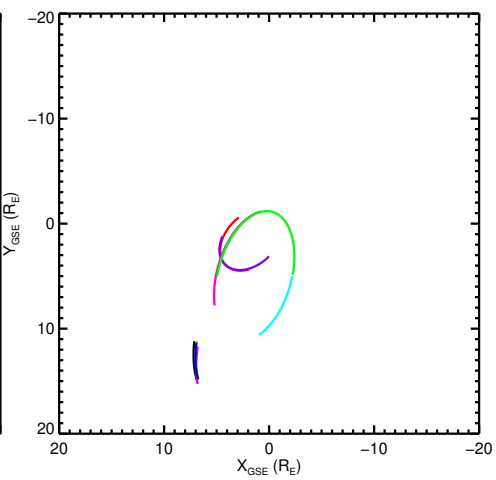


(b) 0430UT to 1005UT
adw ksr

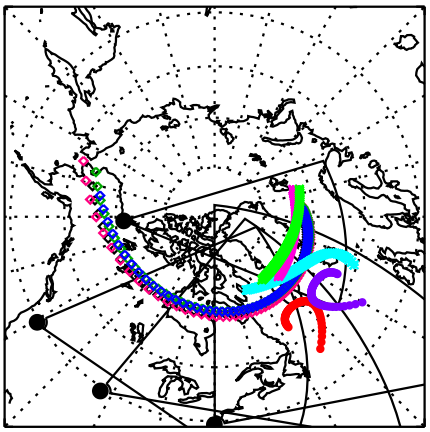


unw zho

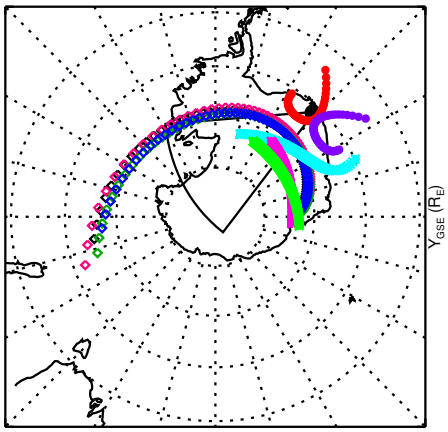


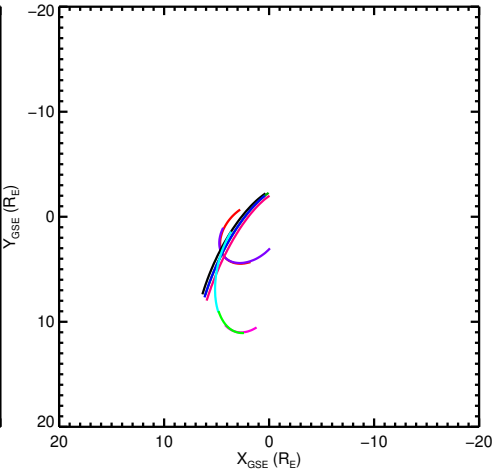


(c) 1325UT to 1910UT
cve fhe inv wal

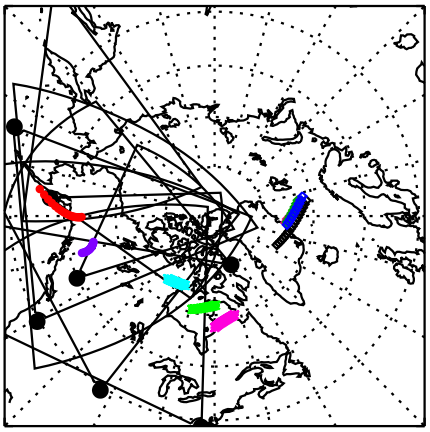


san

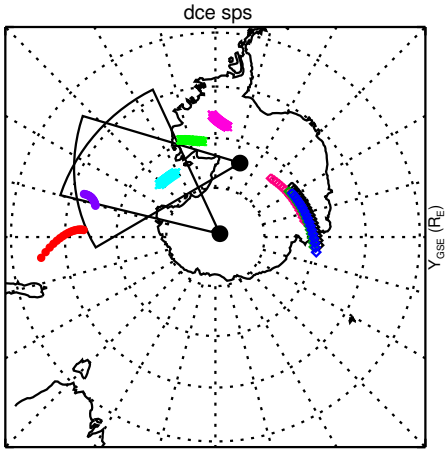


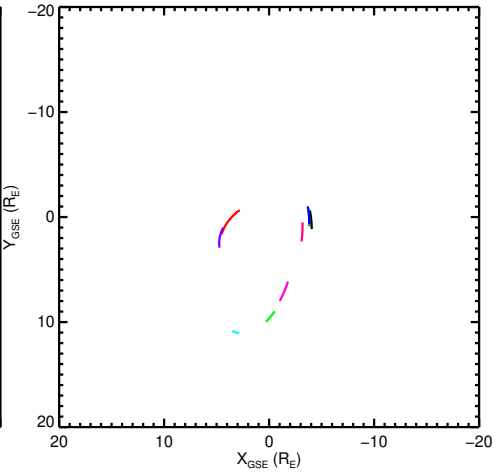


(d) 2225UT to 2355UT
ade bks cly cvw fhw hok kod pgr



dce sps

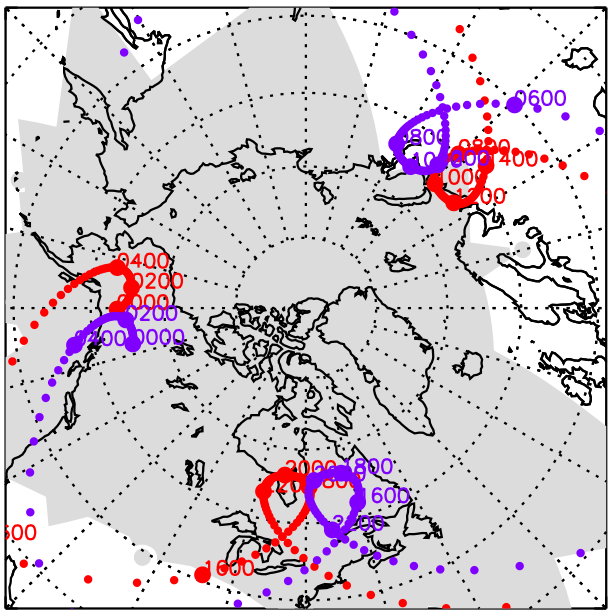


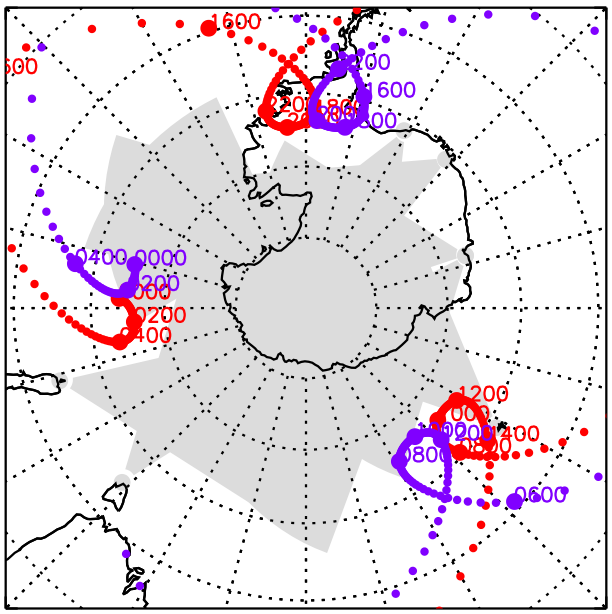


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

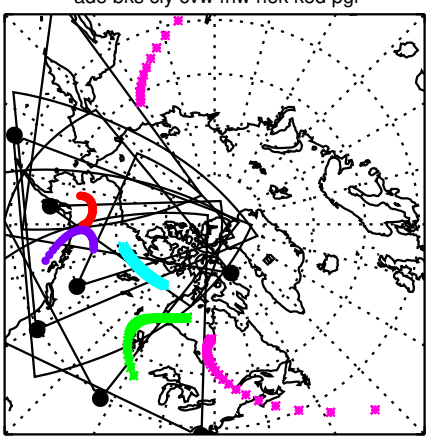
19–Dec–2013

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

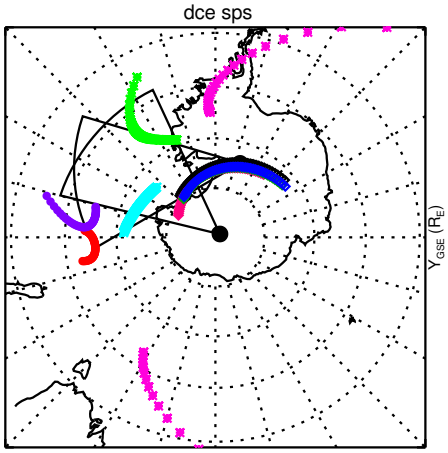


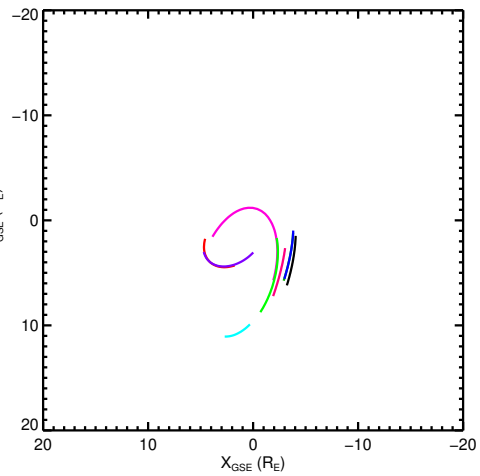


(a) 0000UT to 0410UT
ade bks cly cvw fhw hok kod pgr

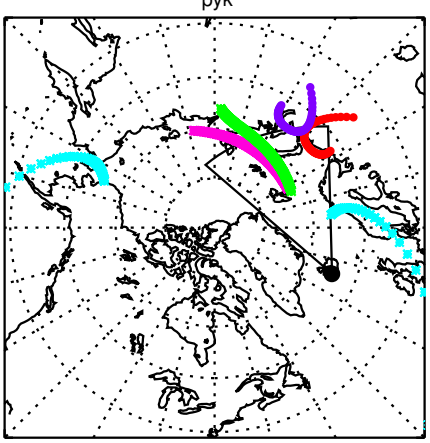


dce sps

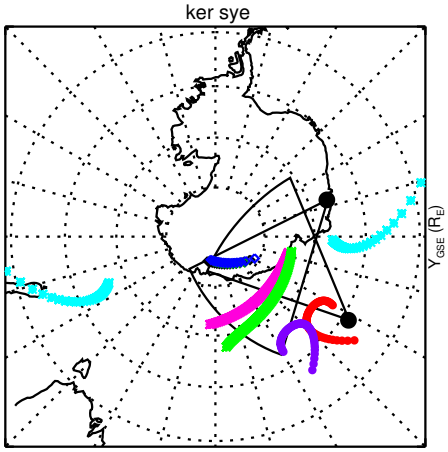


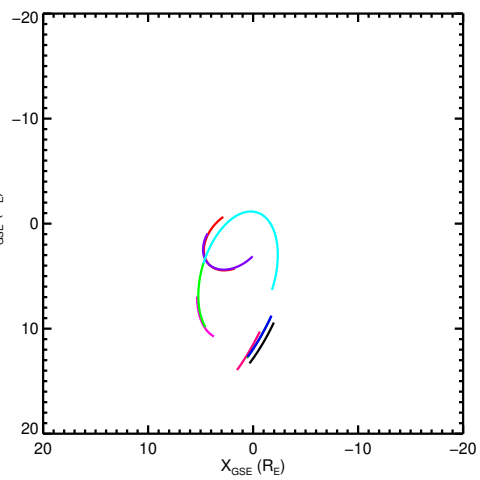


(b) 0725UT to 1310UT
pyk

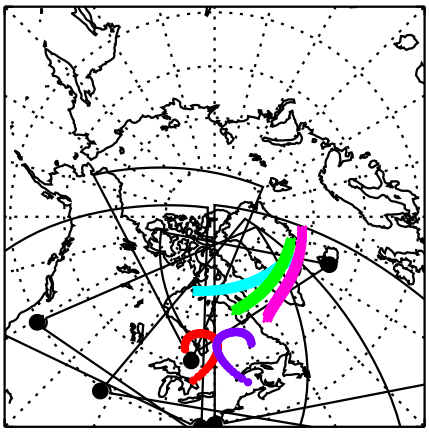


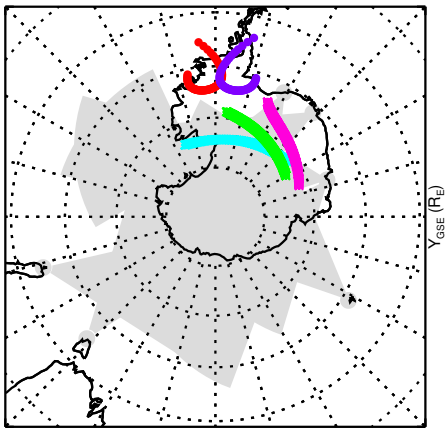
ker sye

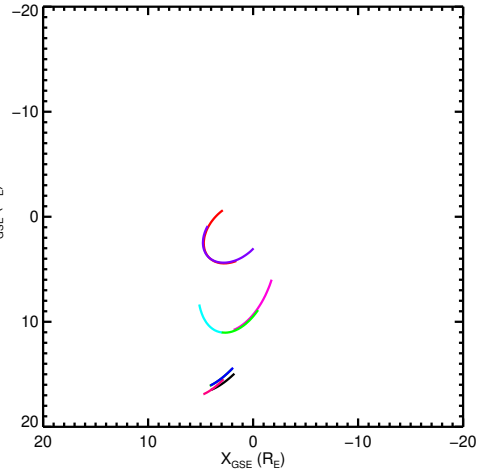




(c) 1625UT to 2215UT
bks cve fhe kap sto wal



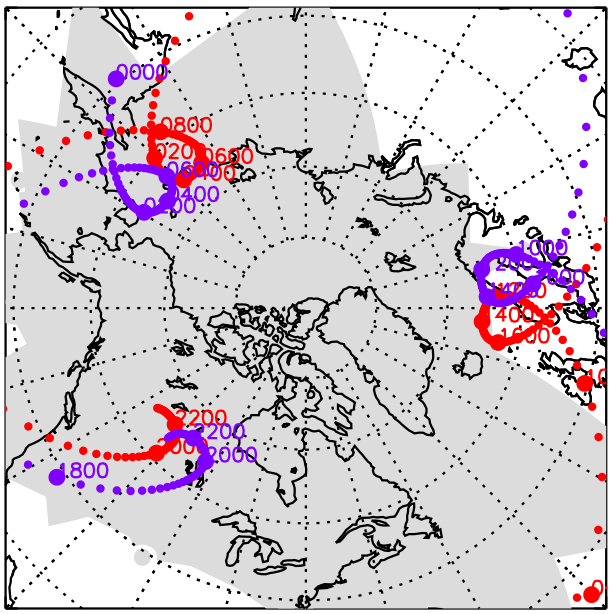


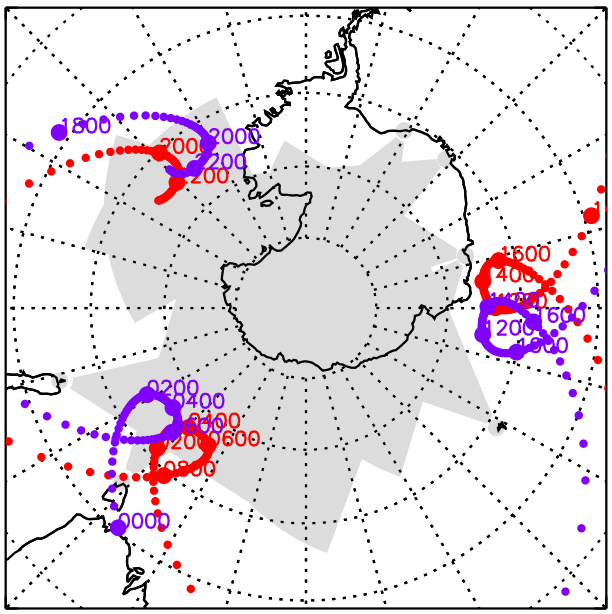


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

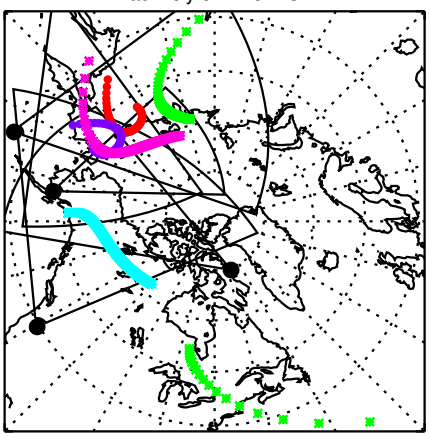
20–Dec–2013

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

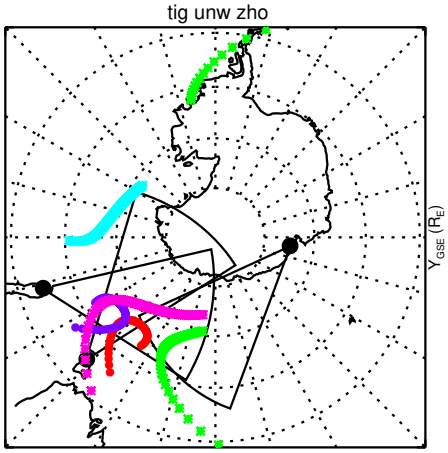


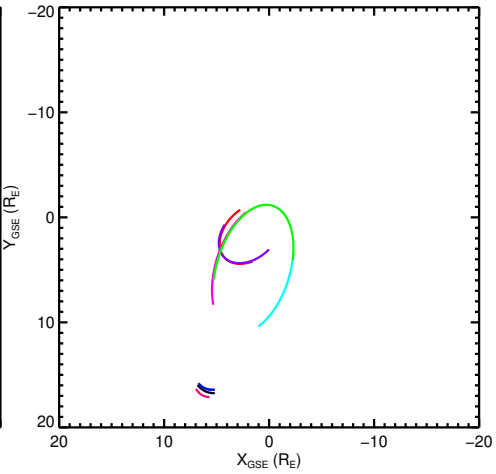


(a) 0120UT to 0715UT
adw cly cvw hok ksr

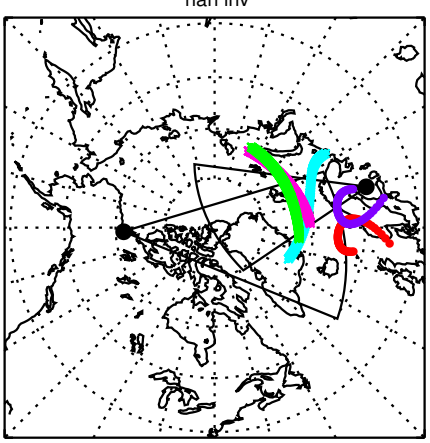


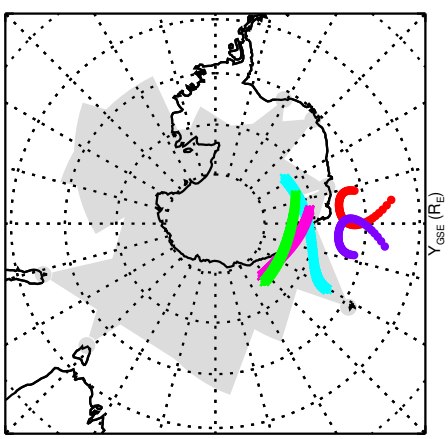
tig unw zho

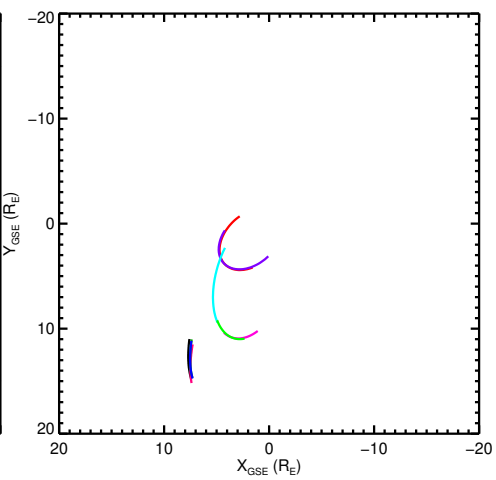


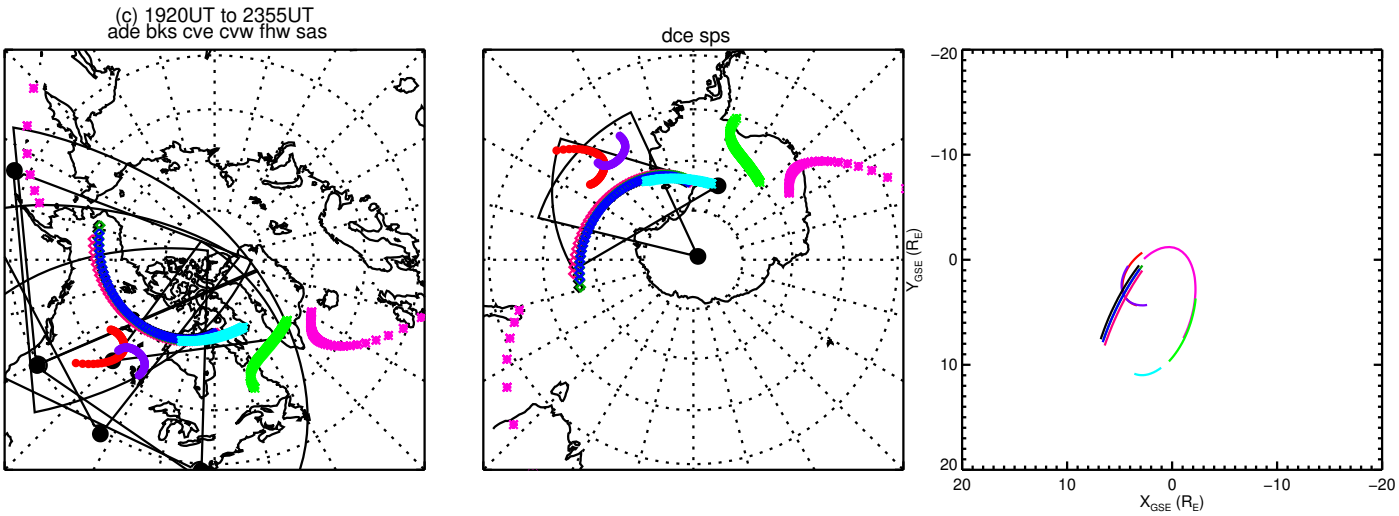


(b) 1020UT to 1615UT
han inv





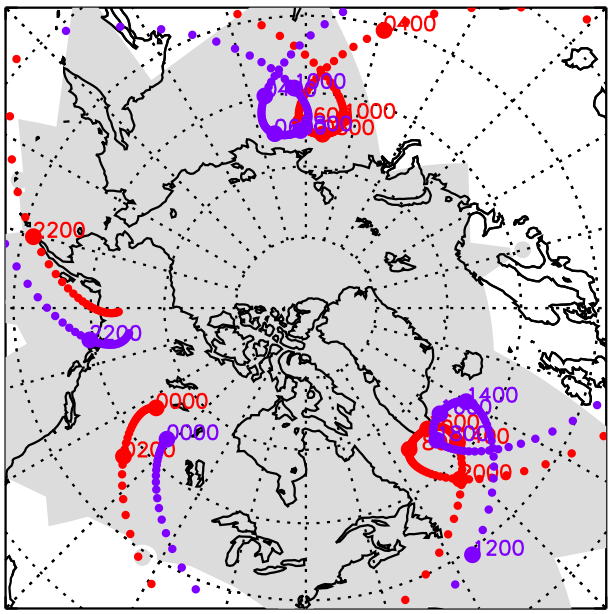


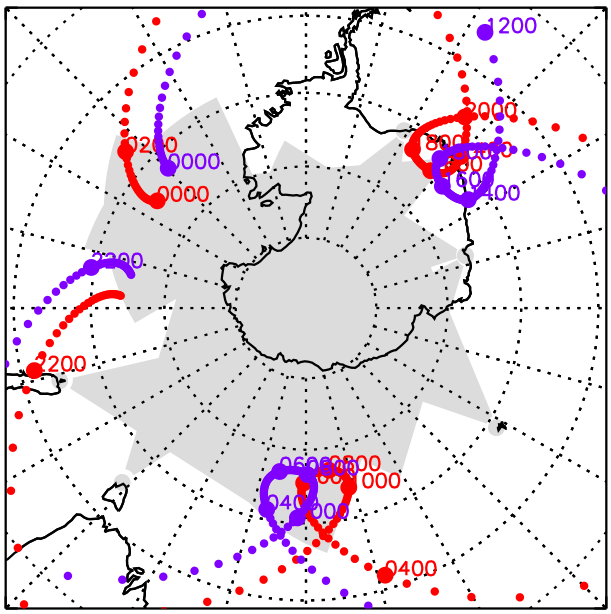

(c) 1920UT to 2355UT
ade bks cve cvw fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

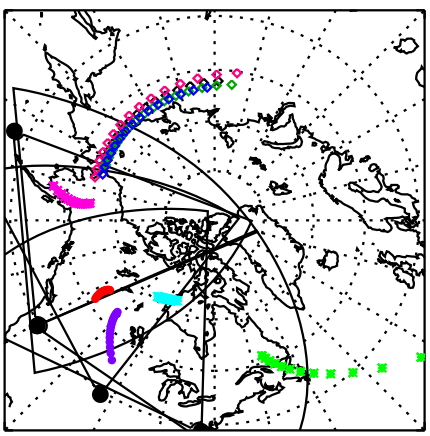
21−Dec−2013

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

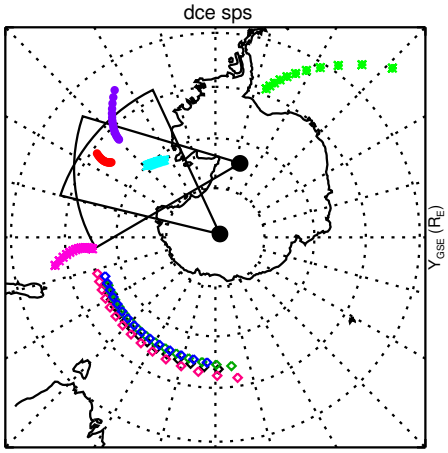


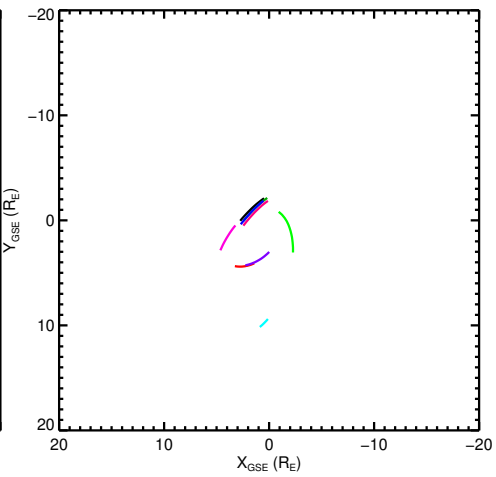


(a) 0000UT to 0120UT
ade bks cve cvw fhw

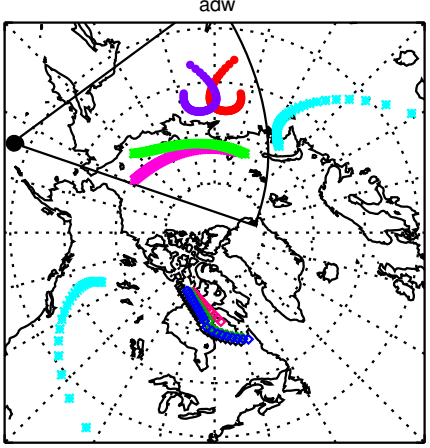


dce sps

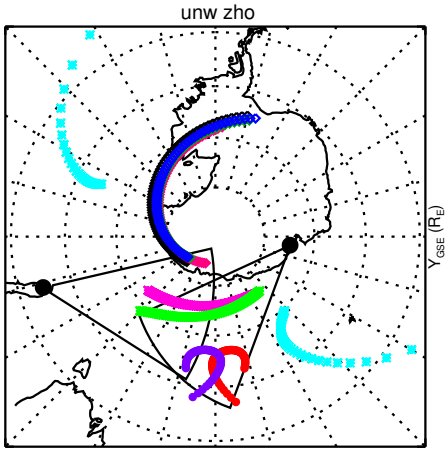


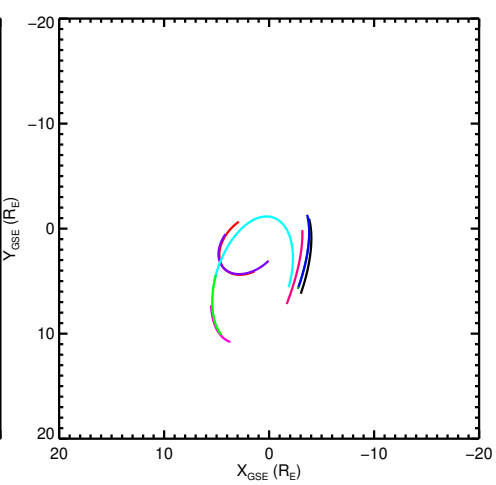


(b) 0420UT to 1020UT
adw

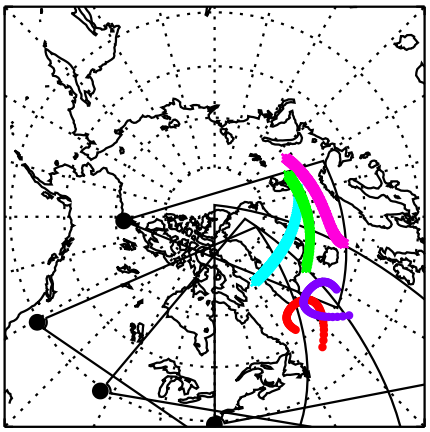


unw zho

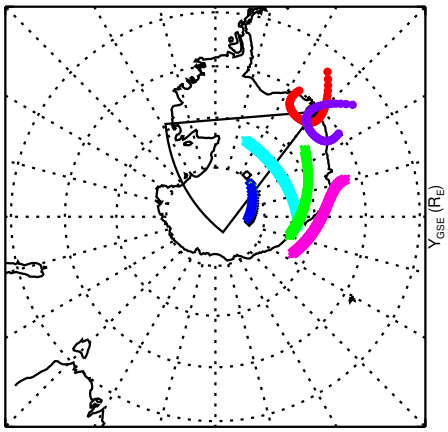


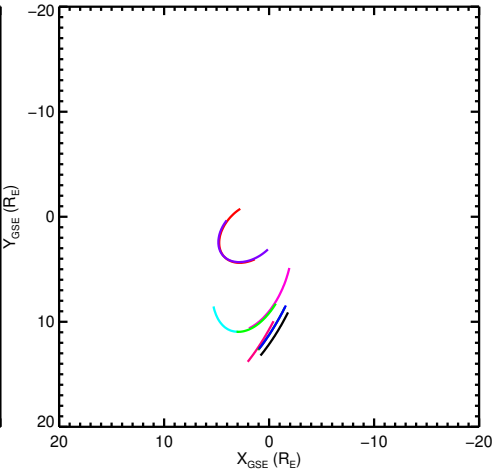


(c) 1315UT to 1920UT
cve fhe inv wal

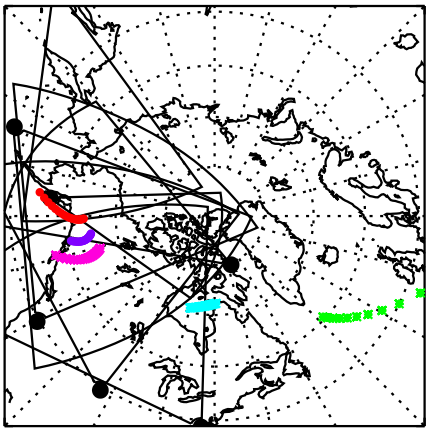


san

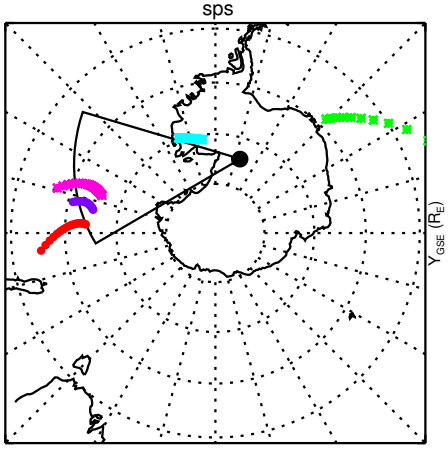


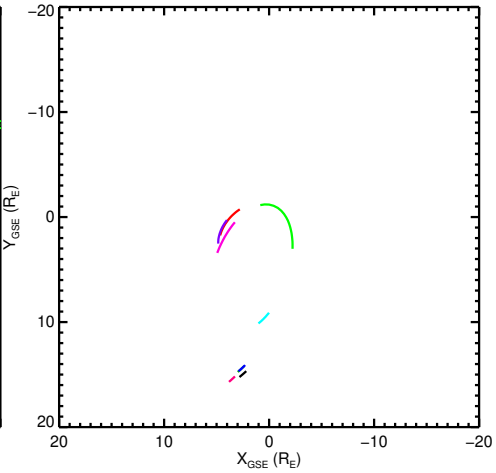


(d) 2215UT to 2355UT
ade bks cly cvw fhw hok kod



sps

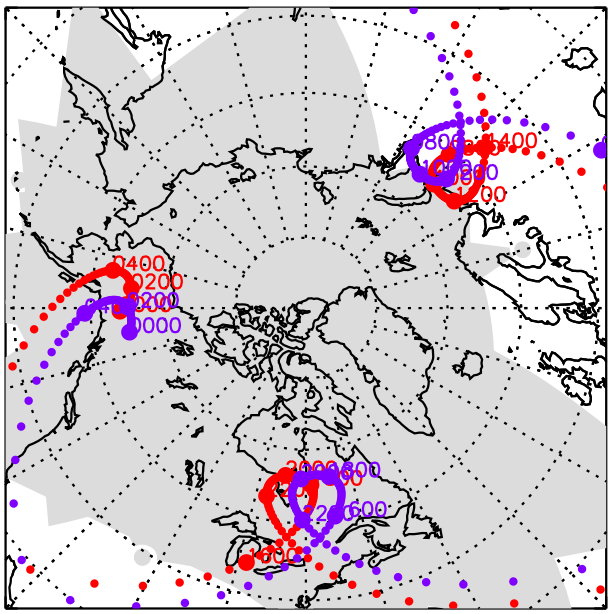


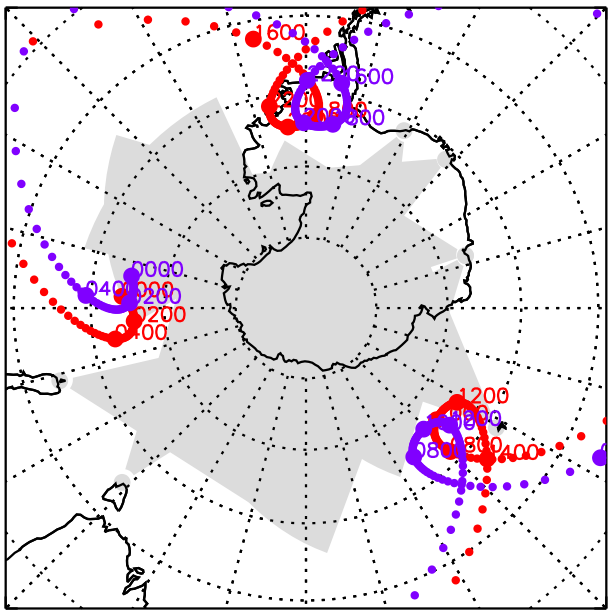


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

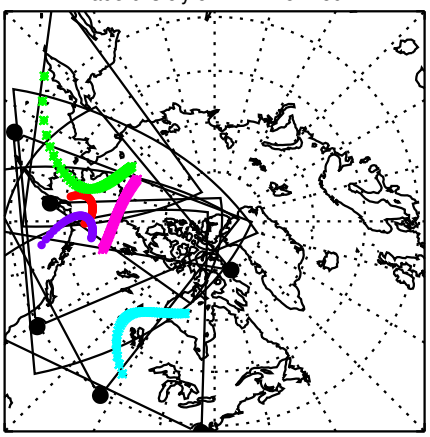
22–Dec–2013

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

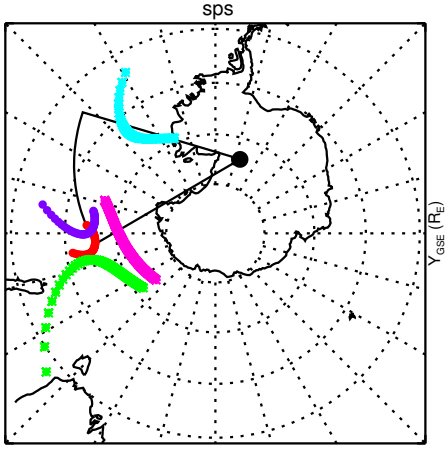


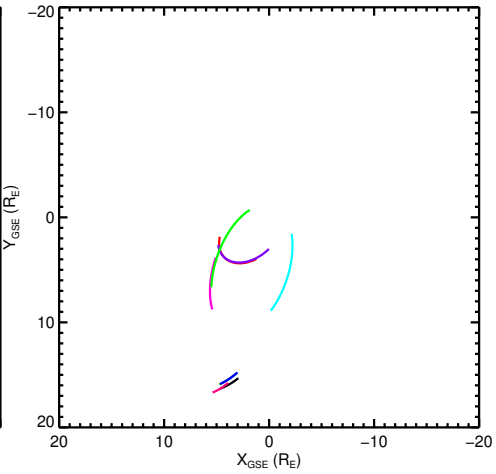


(a) 0000UT to 0425UT
ade bks cly cvw fhw hok kod

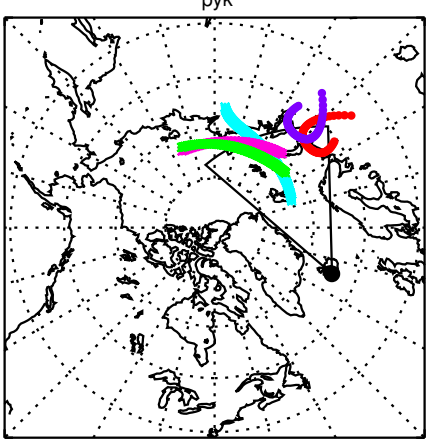


sps

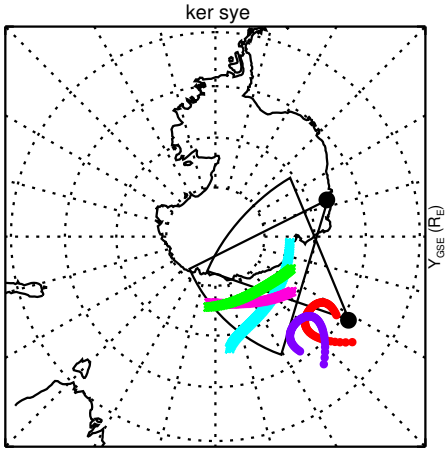


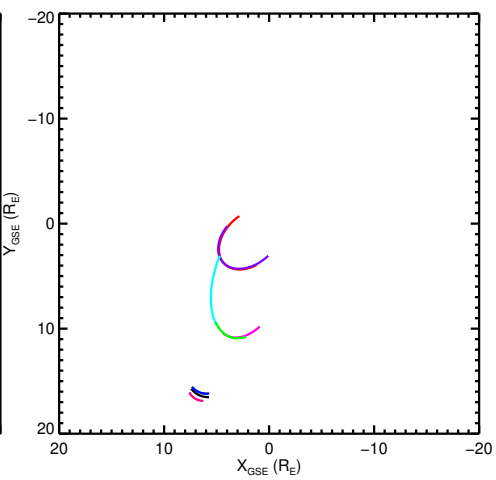


(b) 0715UT to 1325UT
pyk

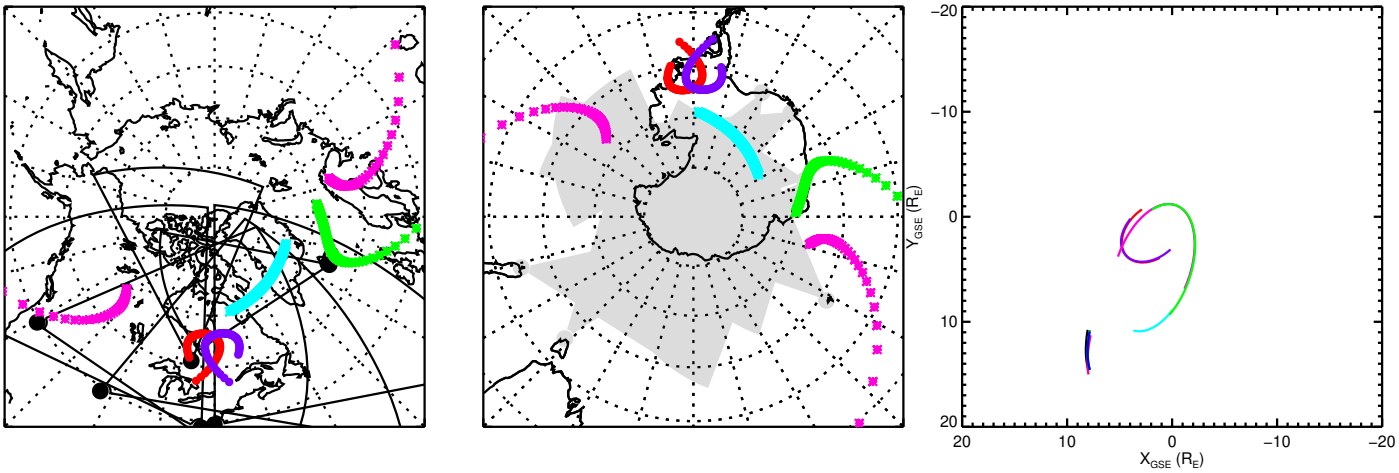


ker sye





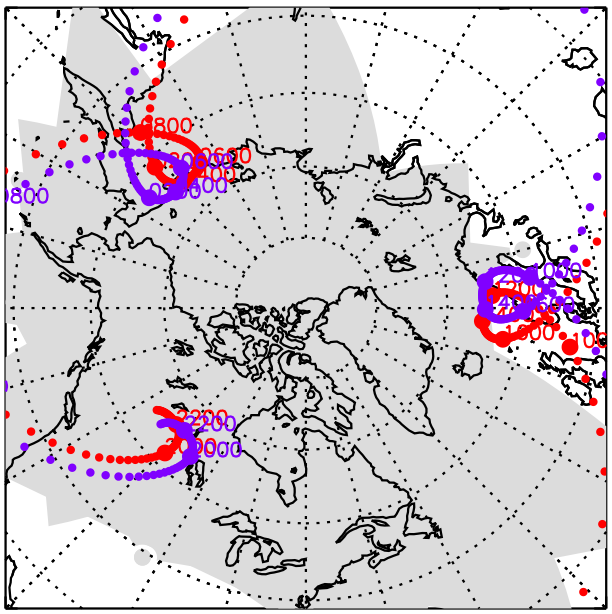
(c) 1615UT to 2225UT
bks cve fhe kap sto wal

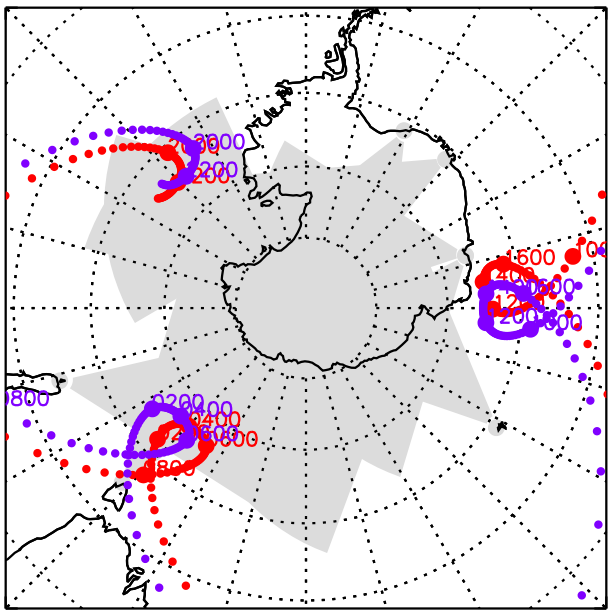


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

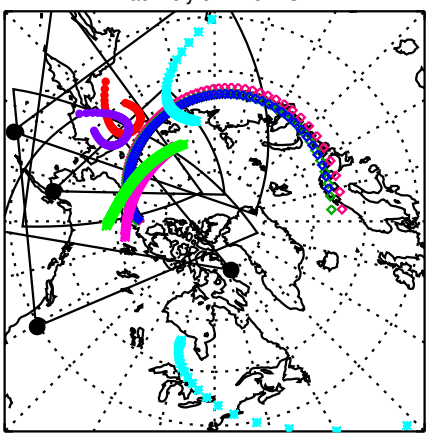
23–Dec–2013

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

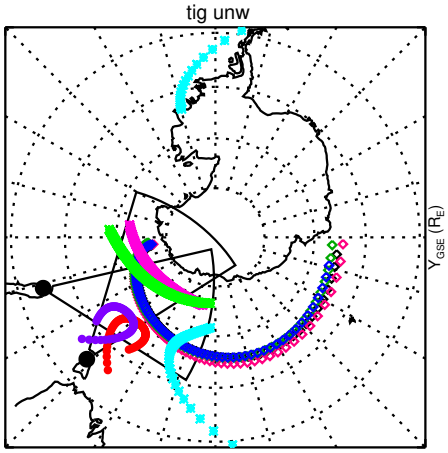


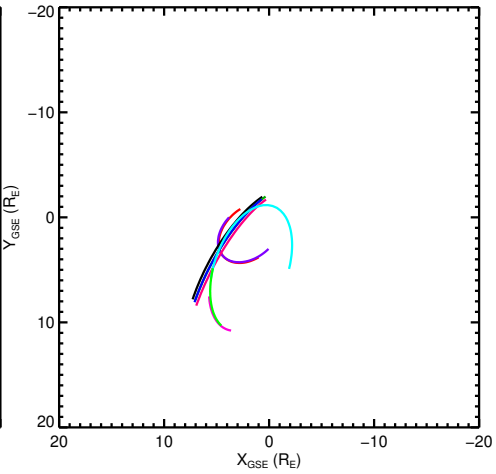


(a) 0110UT to 0730UT
adw cly cvw hok ksr

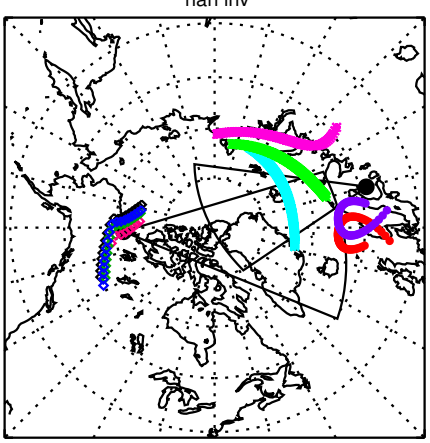


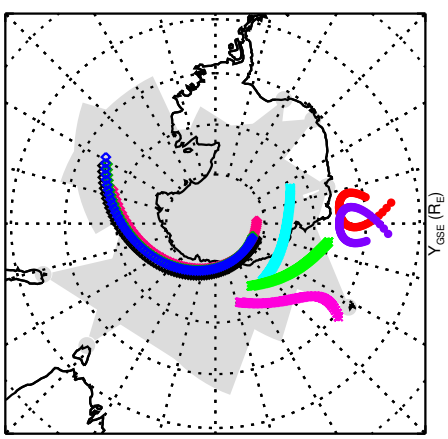
tig unw

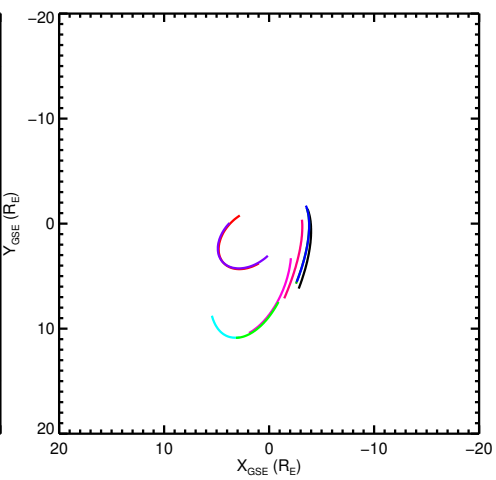


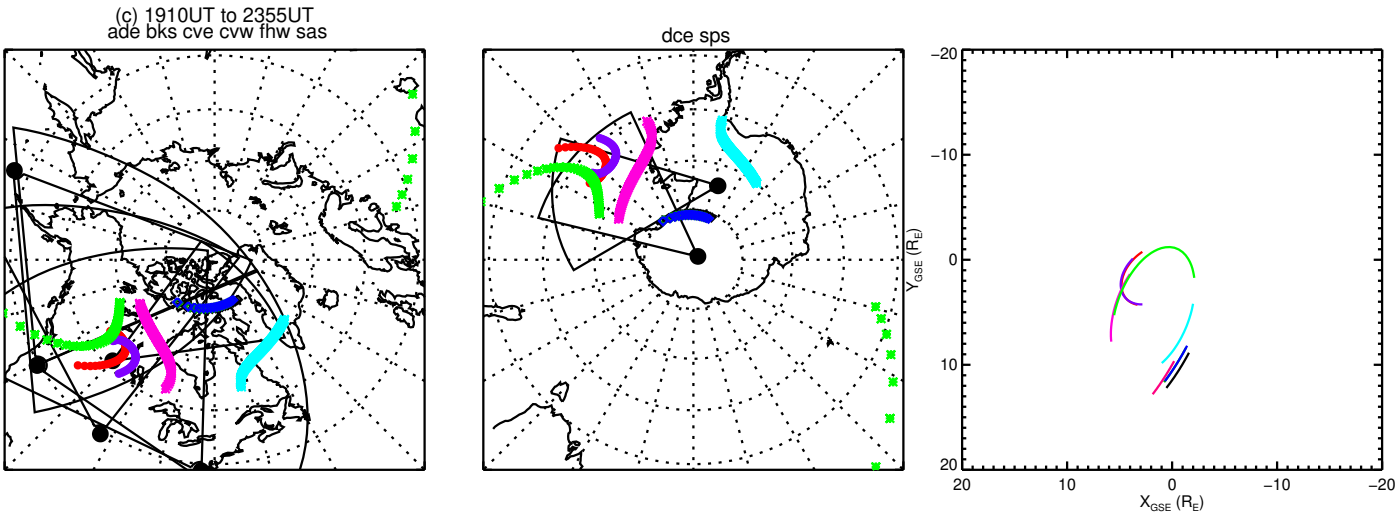


(b) 1010UT to 1630UT
han inv





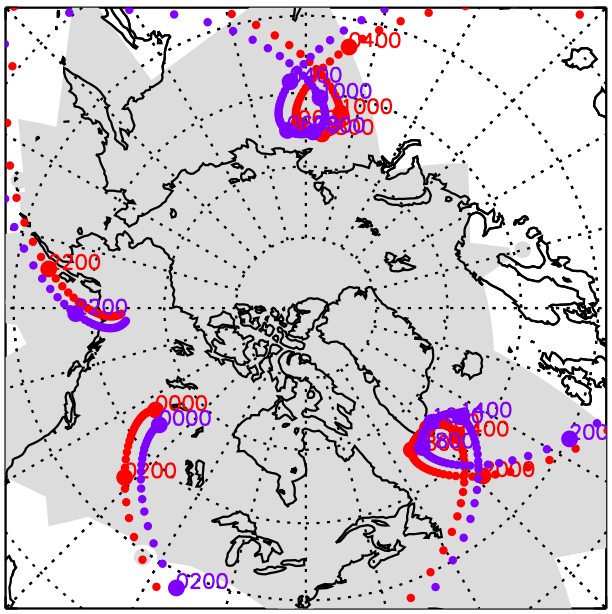


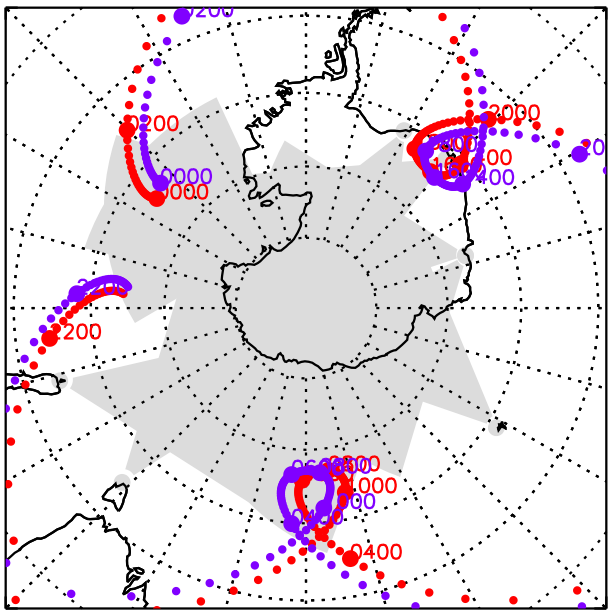

(c) 1910UT to 2355UT
ade bks cve cvw fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

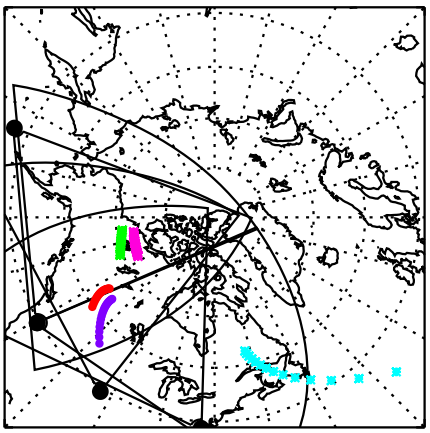
24–Dec–2013

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

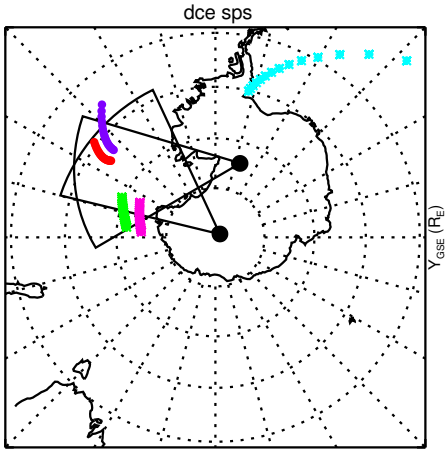


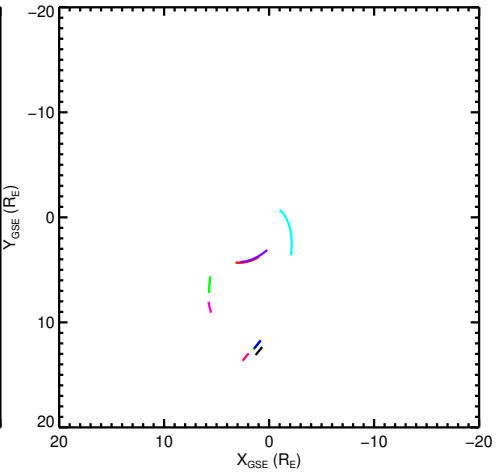


(a) 0000UT to 0130UT
ade bks cve cvw fhw

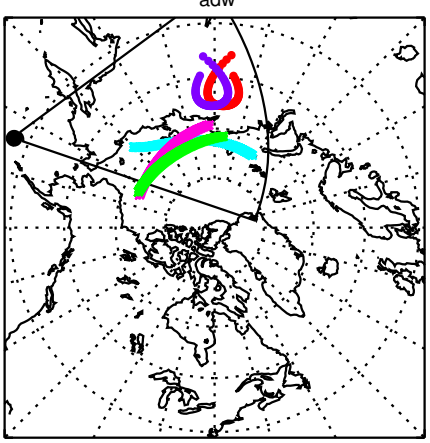


dce sps

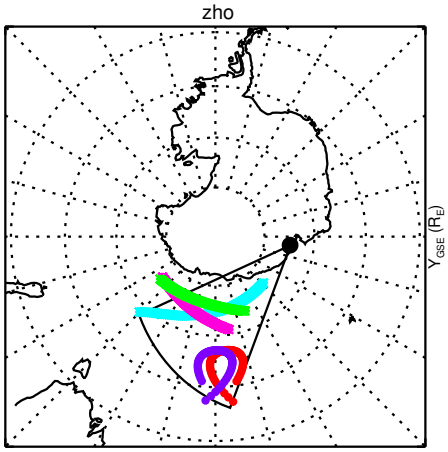


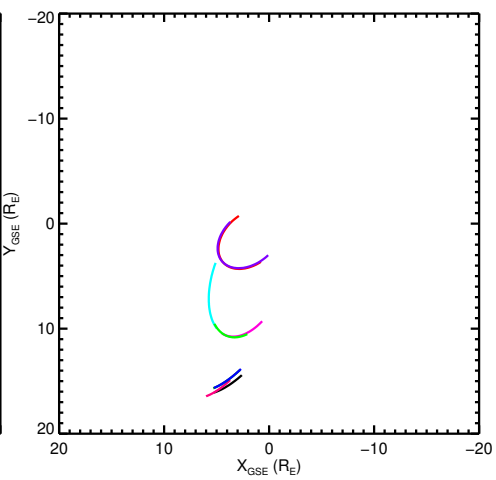


(b) 0410UT to 1035UT
adw

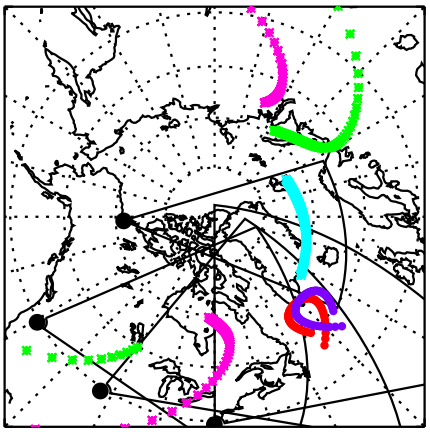


zho

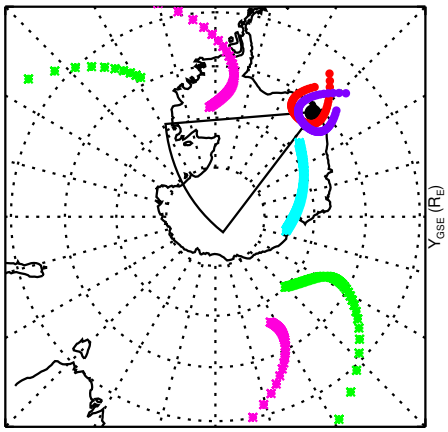


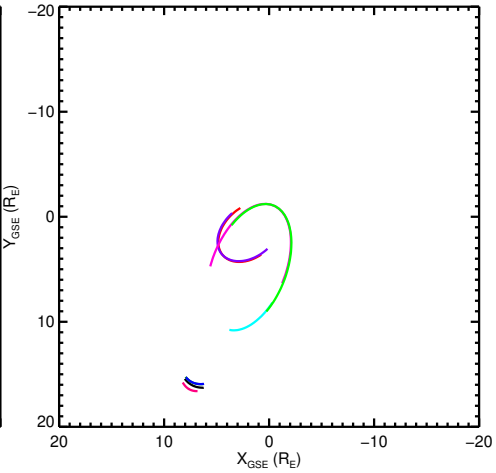


(c) 1305UT to 1935UT
cve fhe inv wal

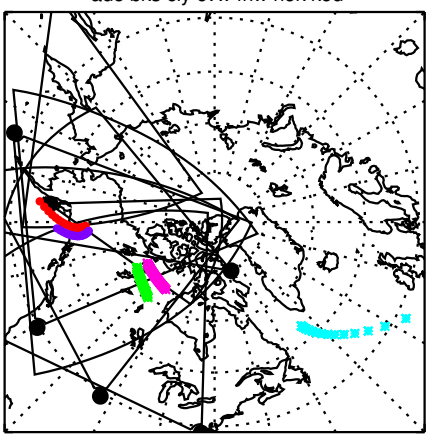


san

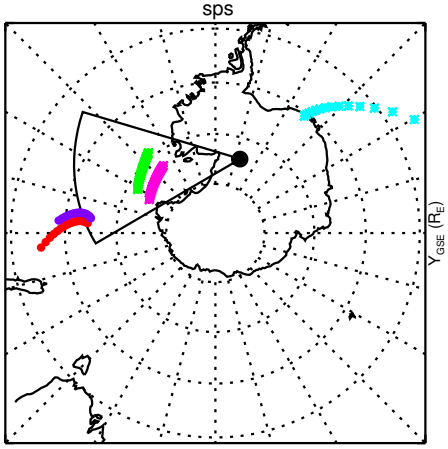


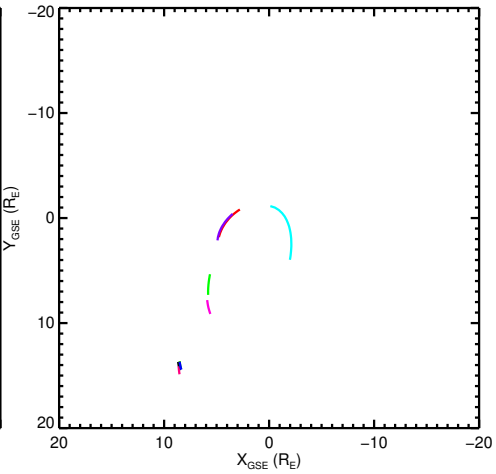


(d) 2205UT to 2355UT
ade bks cly cvw fhw hok kod



sps

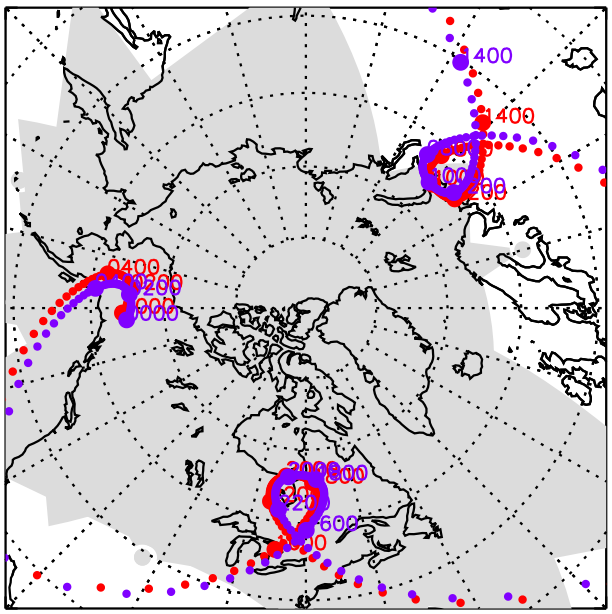


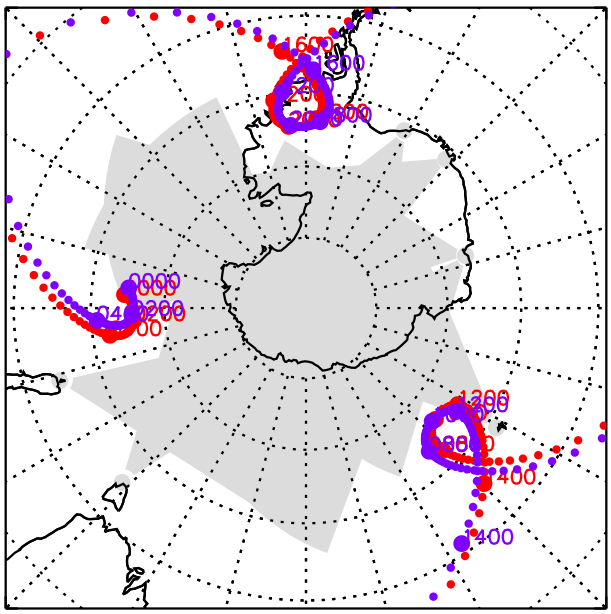


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

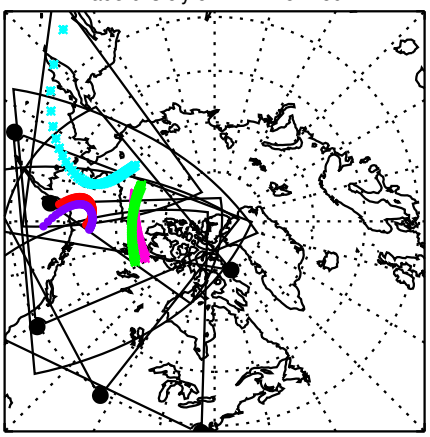
25–Dec–2013

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

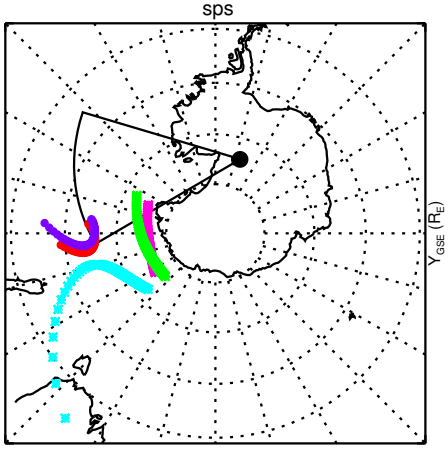


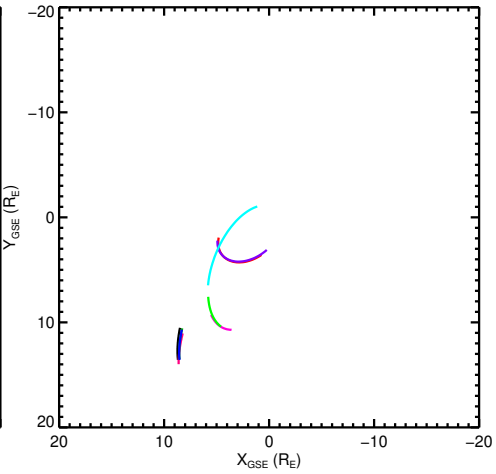


(a) 0000UT to 0435UT
ade bks cly cvw fhw hok kod

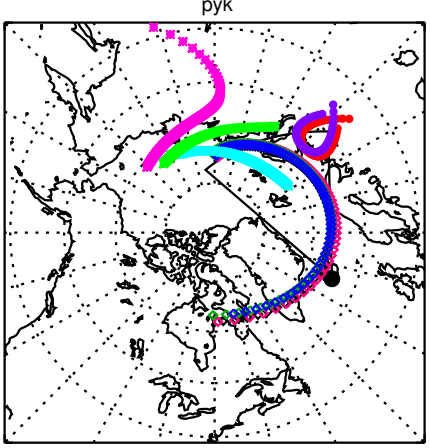


sps

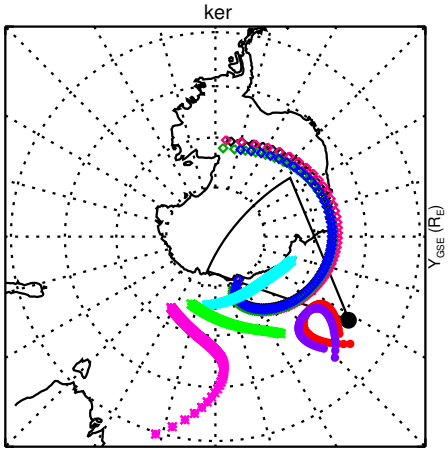


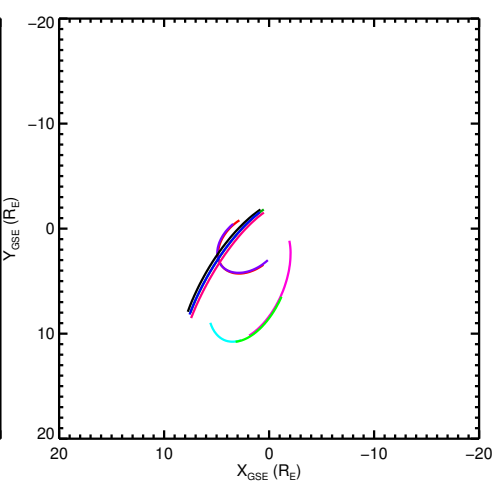


(b) 0705UT to 1340UT
pyk

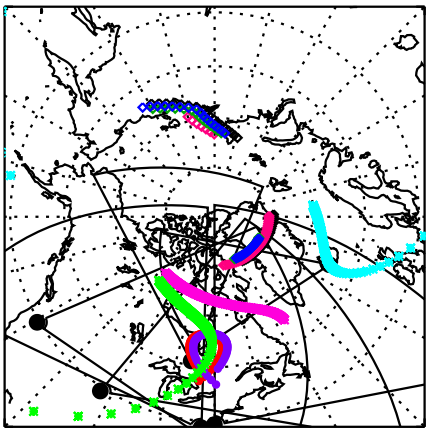


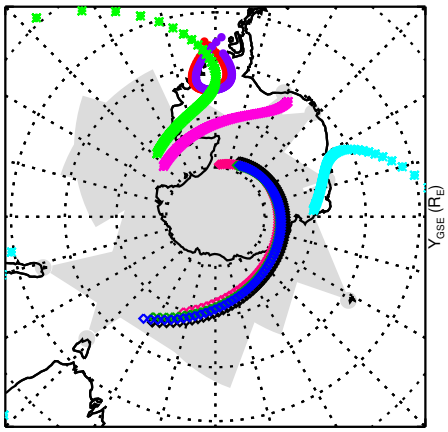
ker

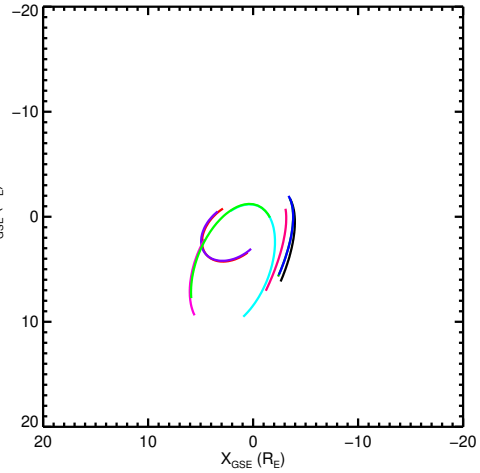




(c) 1605UT to 2240UT
bks cve fhe kap sto wal



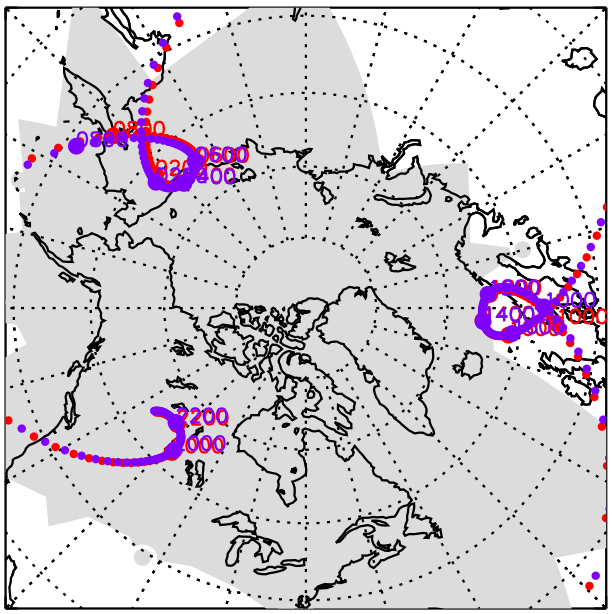


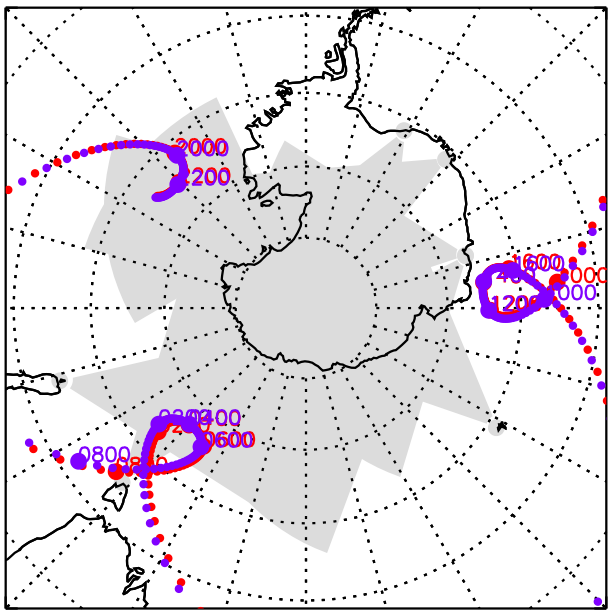


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

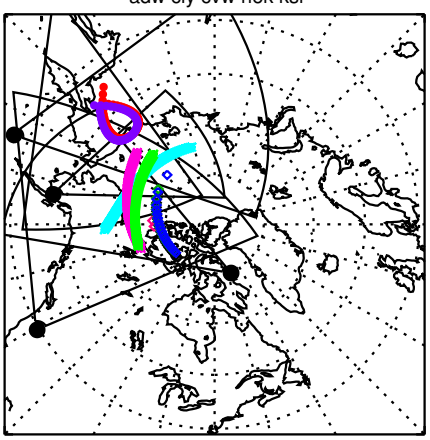
26–Dec–2013

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

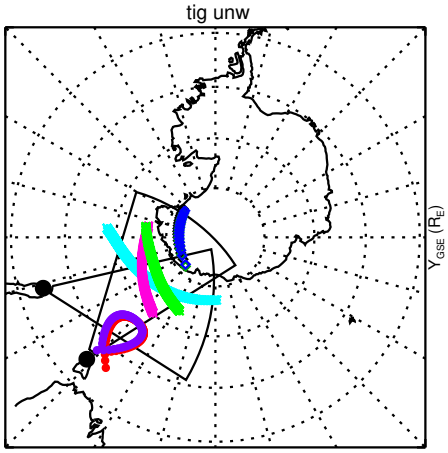


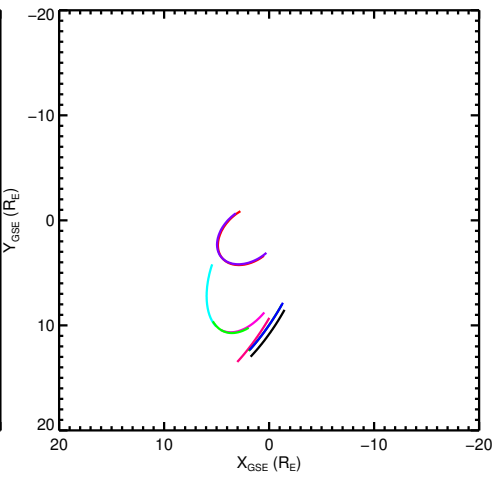


(a) 0100UT to 0740UT
adw cly cvw hok ksr

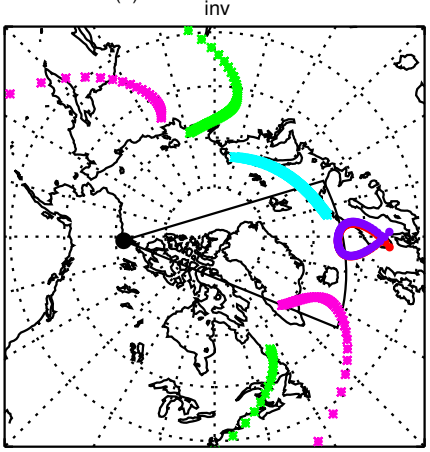


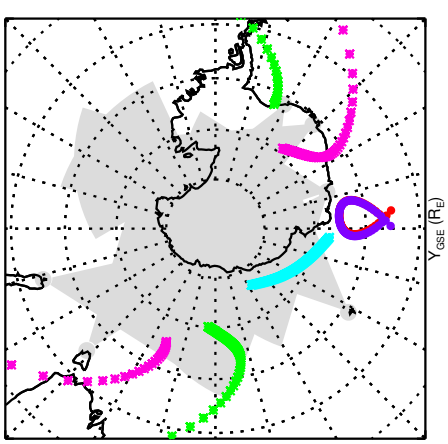
tig unw

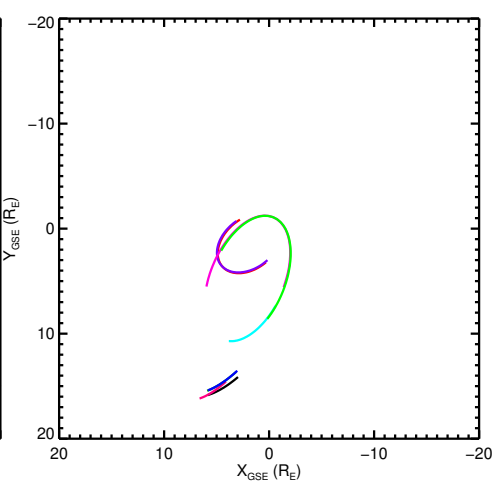


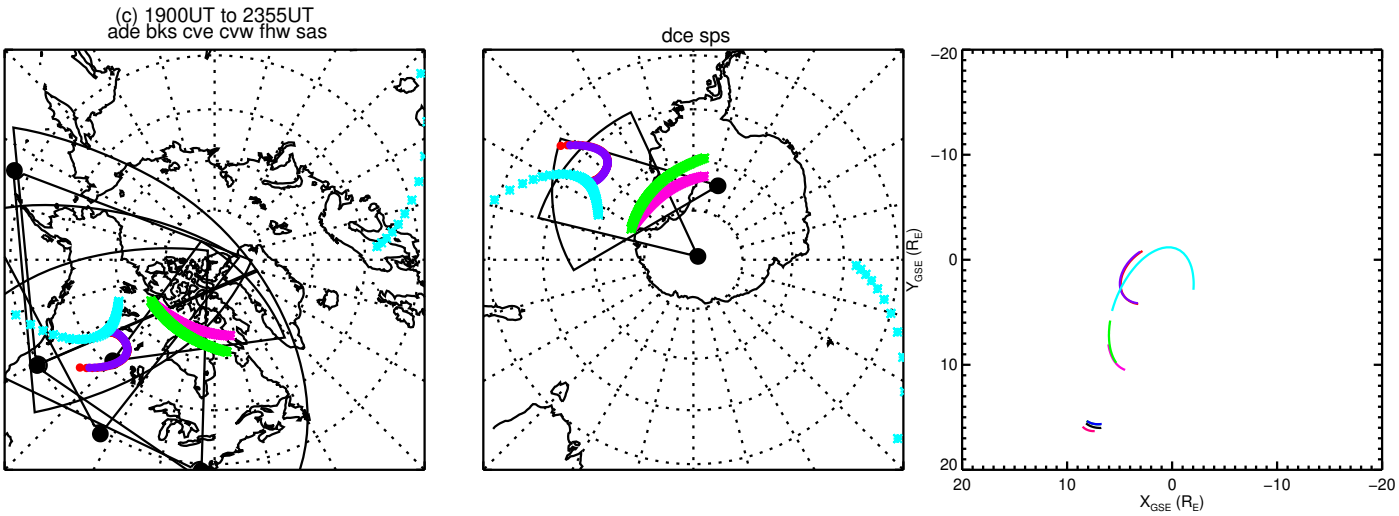


(b) 1000UT to 1645UT
inv





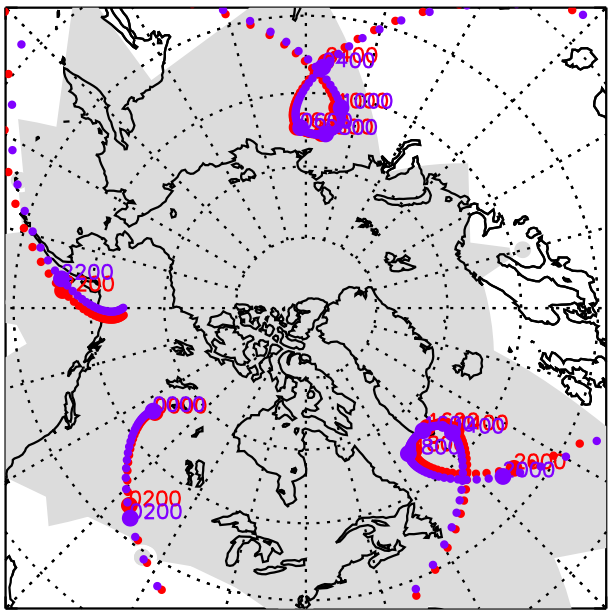


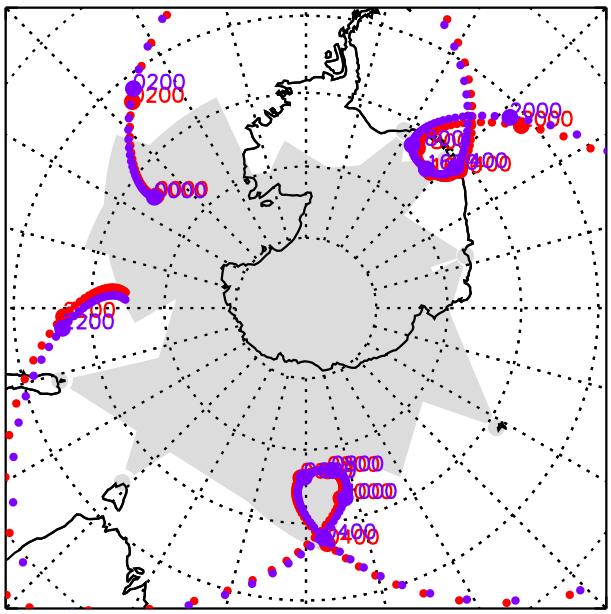

(c) 1900UT to 2355UT
ade bks cve cvw fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

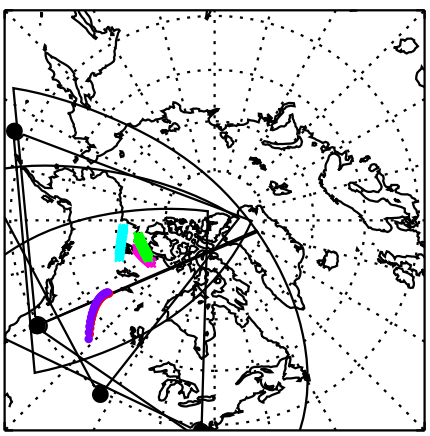
27−Dec−2013

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

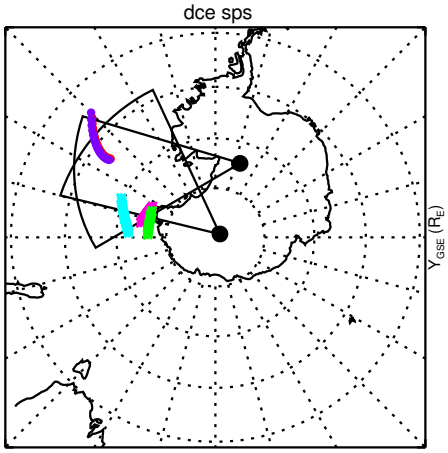


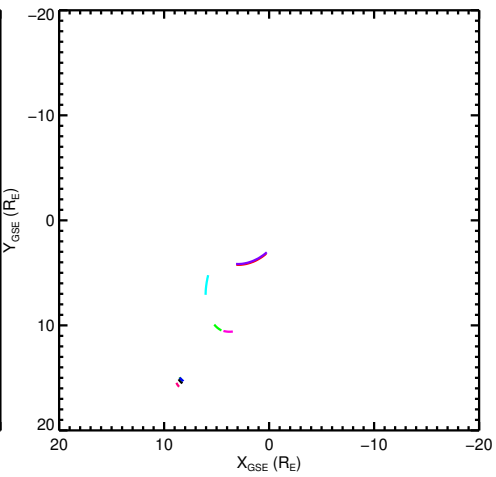


(a) 0000UT to 0145UT
ade bks cve cvw fhw

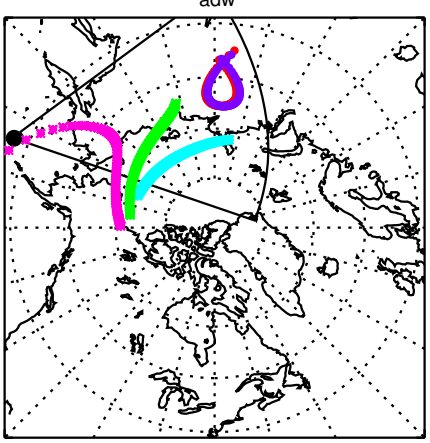


dce sps

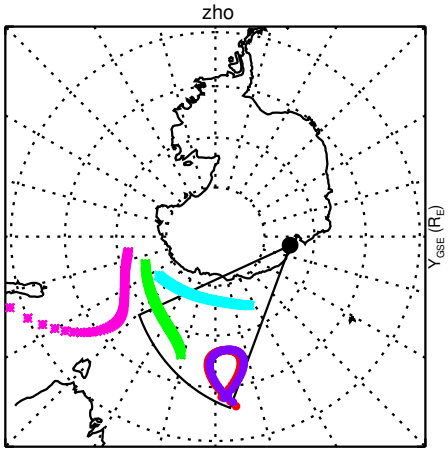


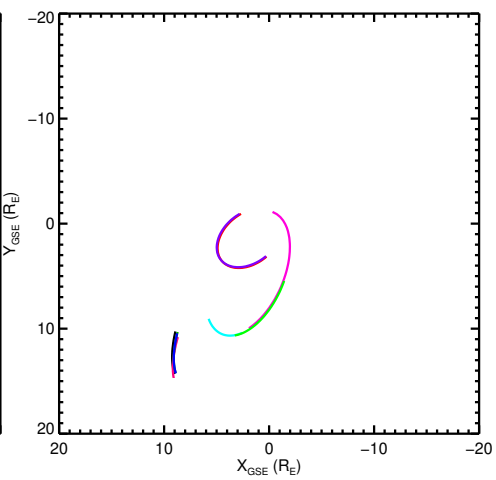


(b) 0355UT to 1045UT
adw

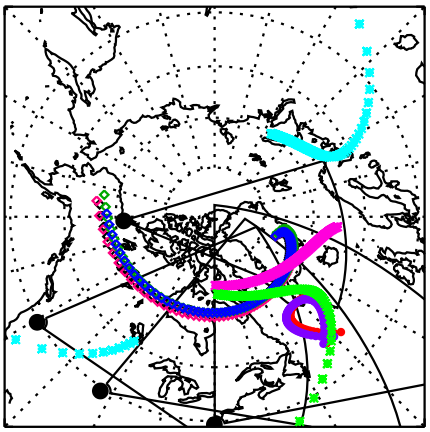


zho

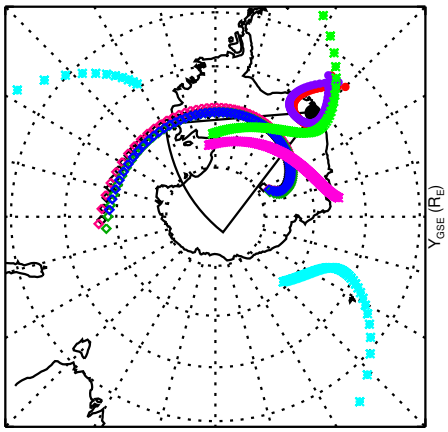


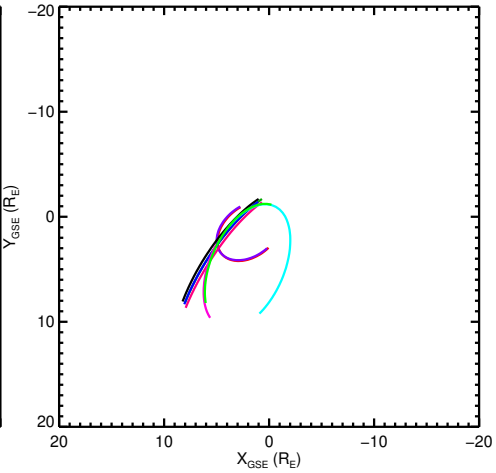


(c) 1255UT to 1950UT
cve fhe inv wal

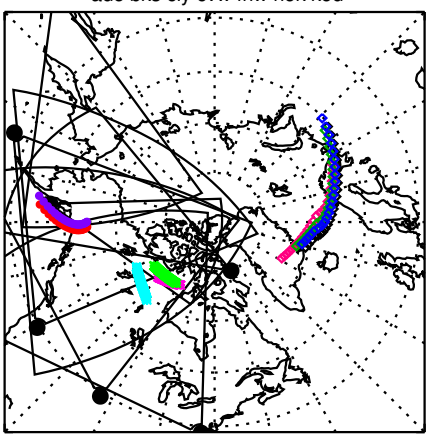


san

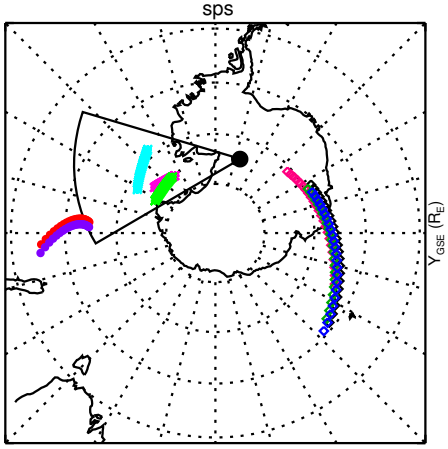


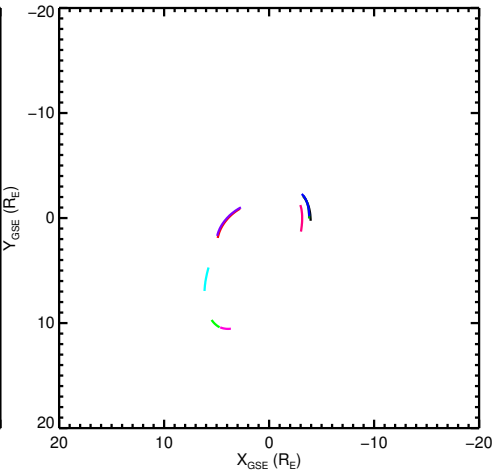


(d) 2155UT to 2355UT
ade bks cly cvw fhw hok kod



sps

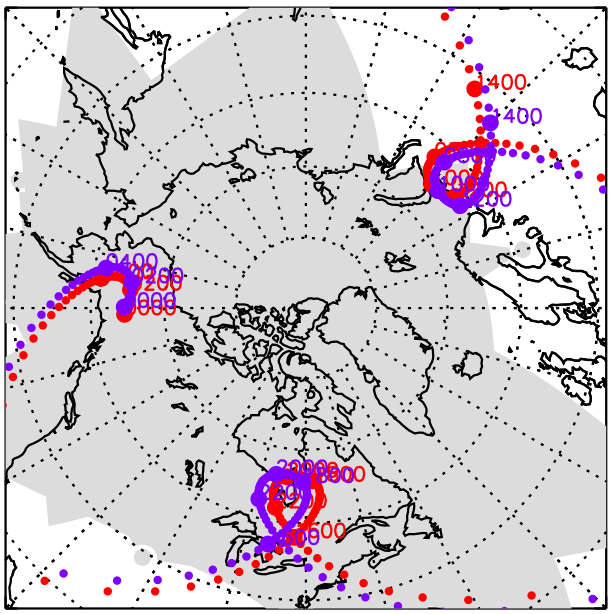


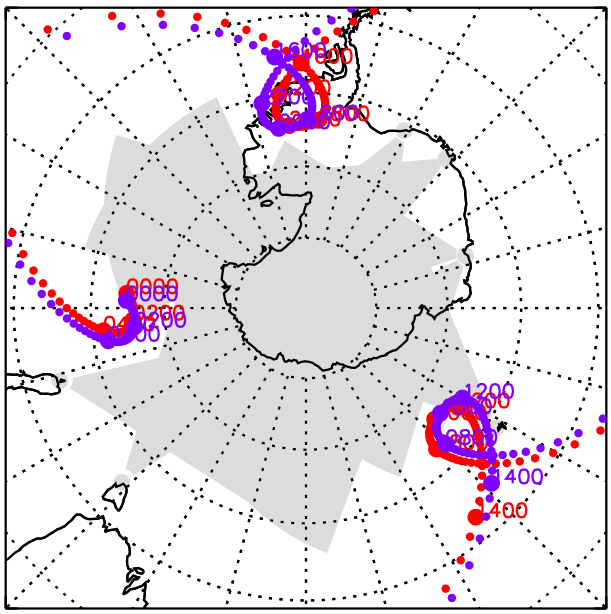


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

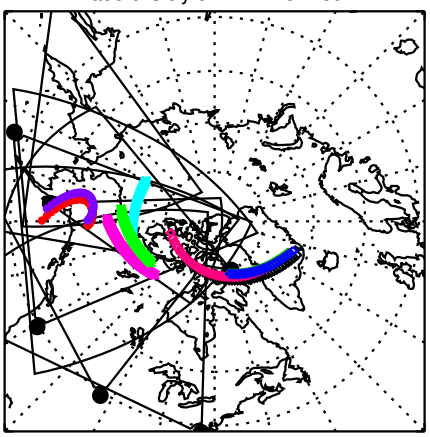
28–Dec–2013

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

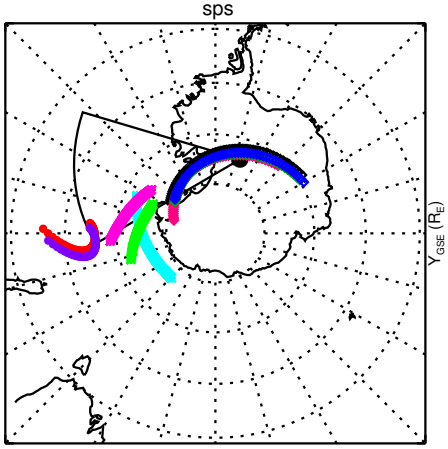


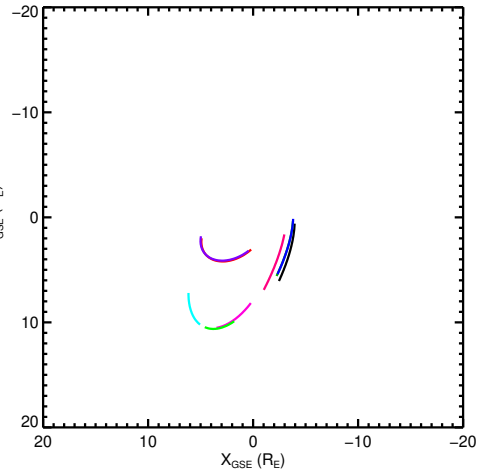


(a) 0000UT to 0445UT
ade bks cly cvw fhw hok kod

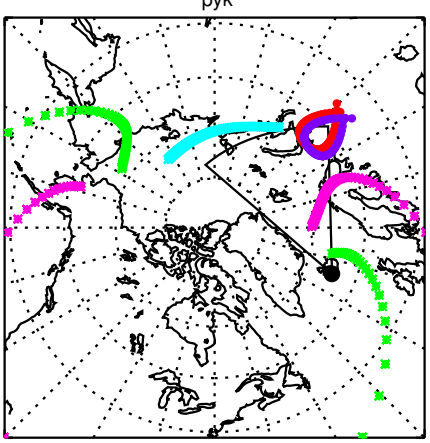


sps

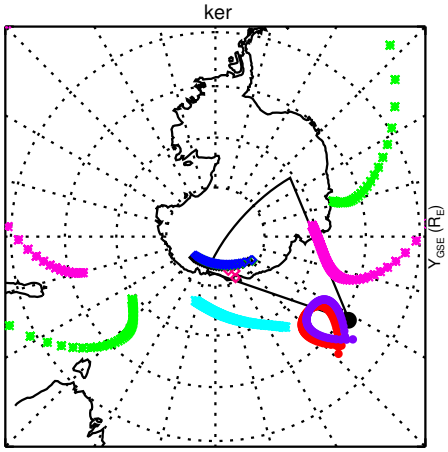


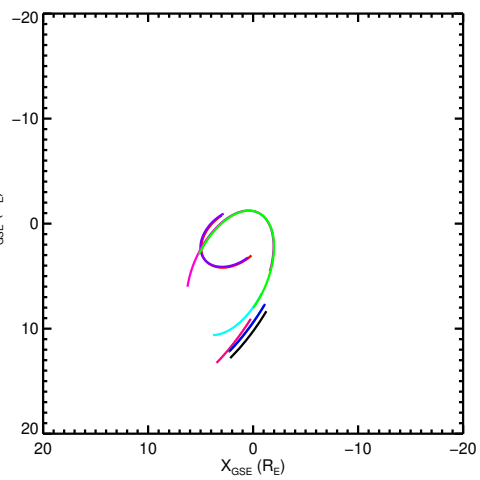


(b) 0700UT to 1345UT
pyk

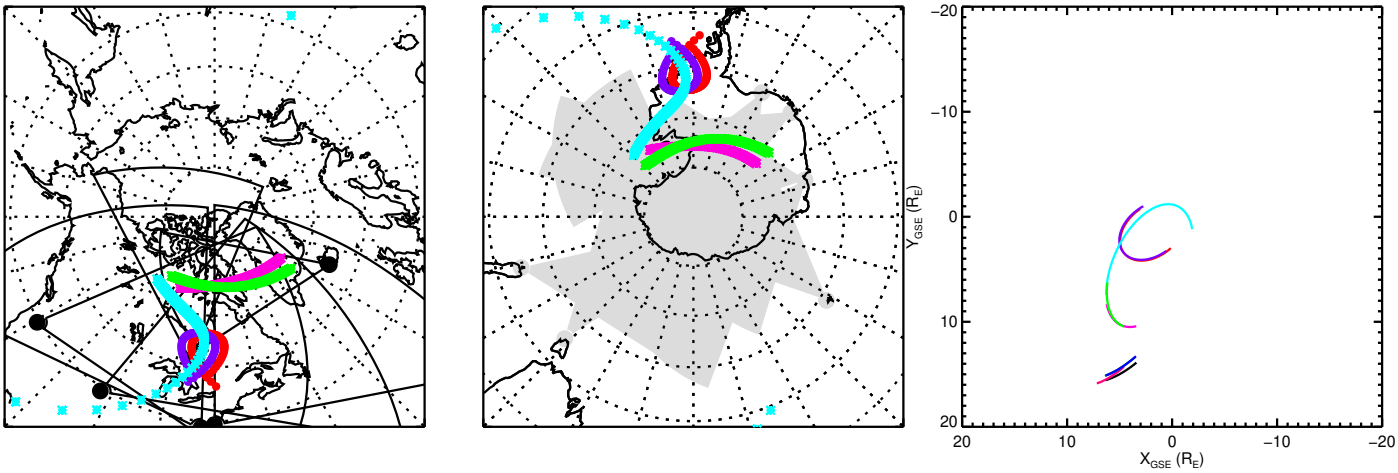


ker





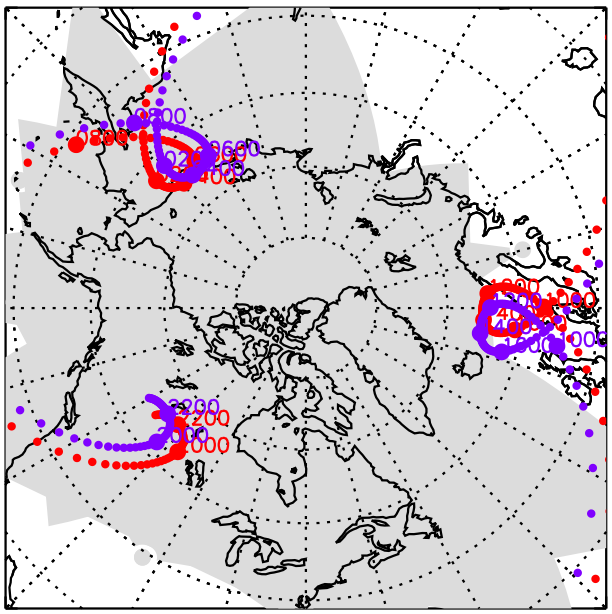
(c) 1600UT to 2245UT
bks cve fhe kap sto wal

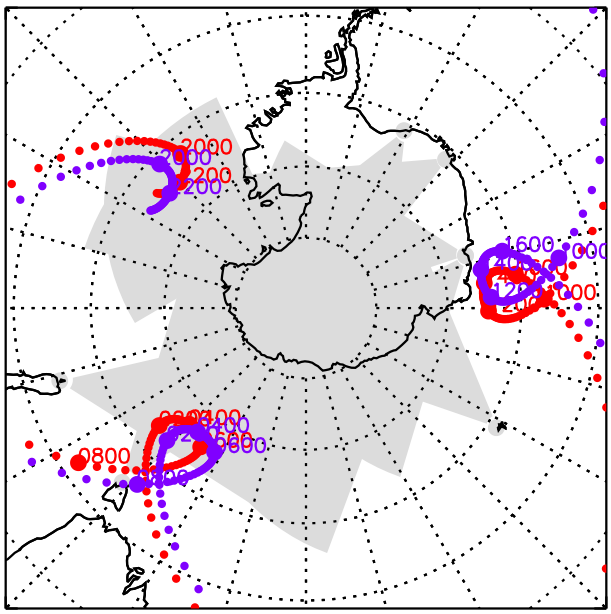


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

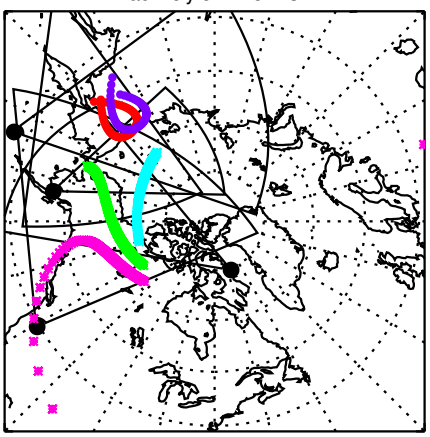
29–Dec–2013

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

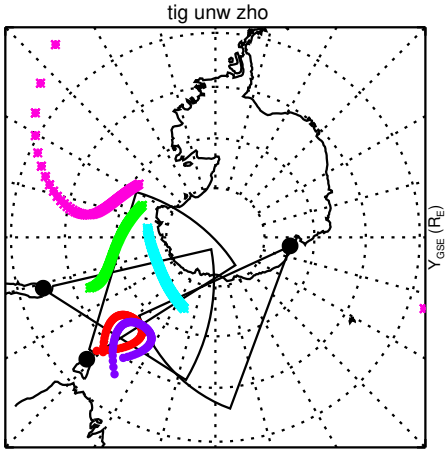


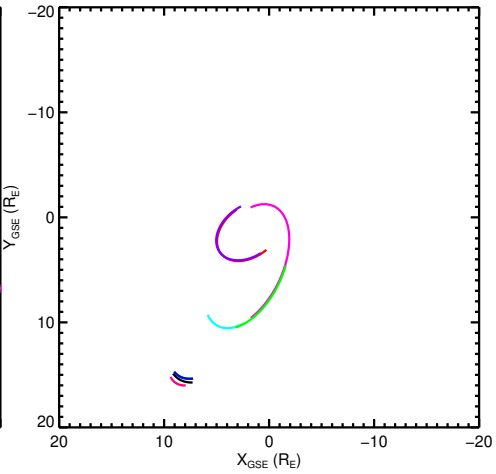


(a) 0100UT to 0740UT
adw cly cvw hok ksr

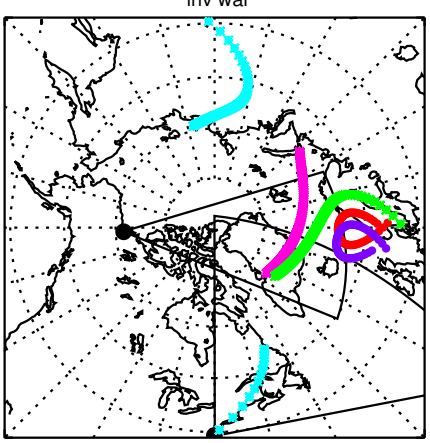


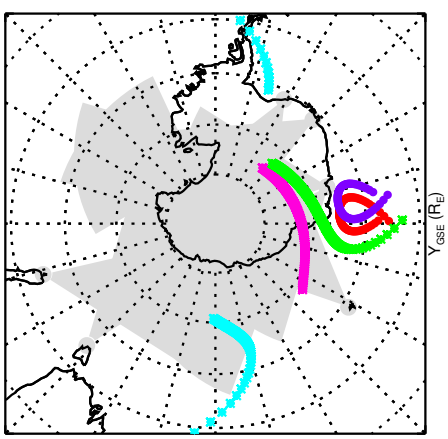
tig unw zho

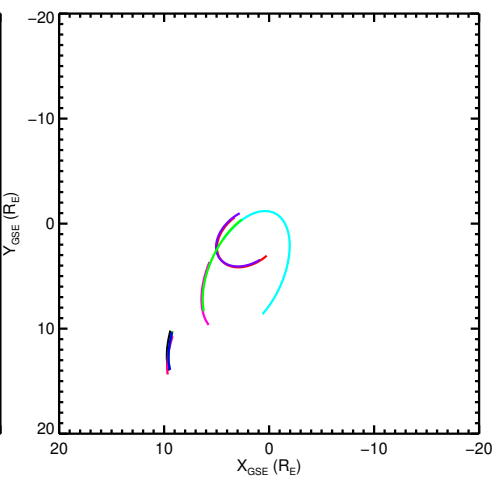


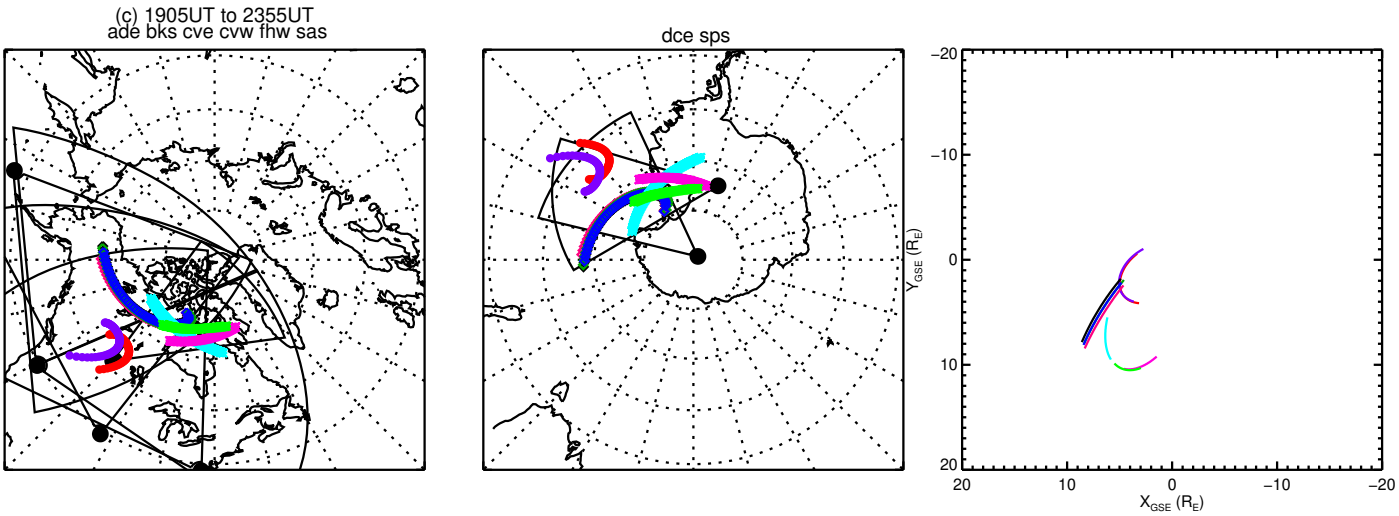


(b) 1005UT to 1640UT
inv wal





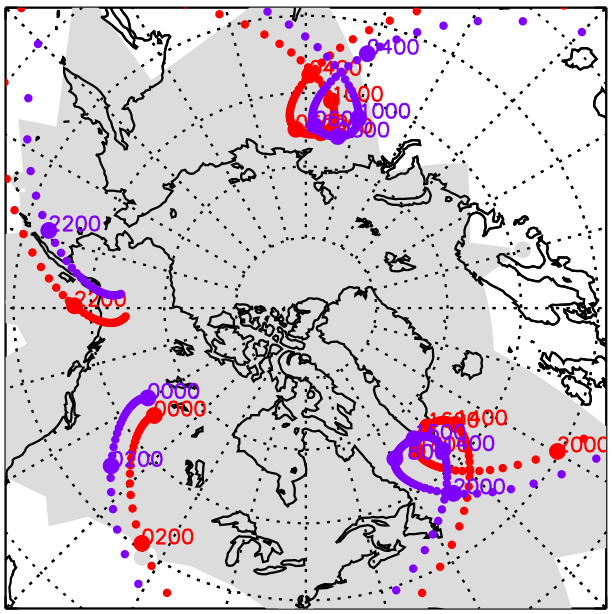


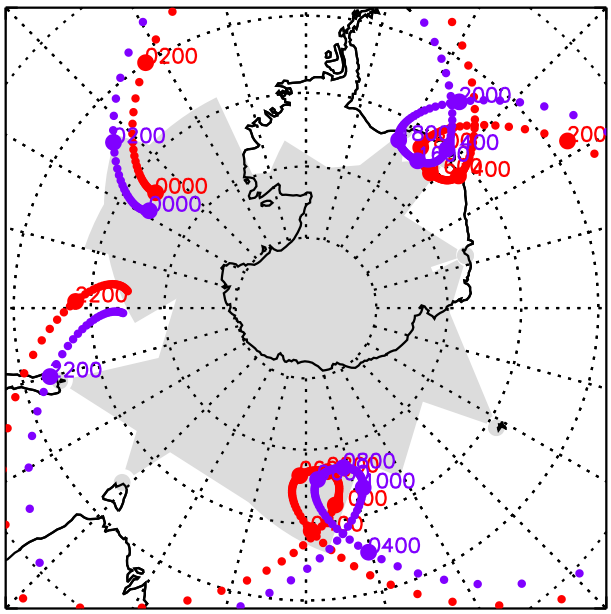

(c) 1905UT to 2355UT
ade bks cve cvw fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

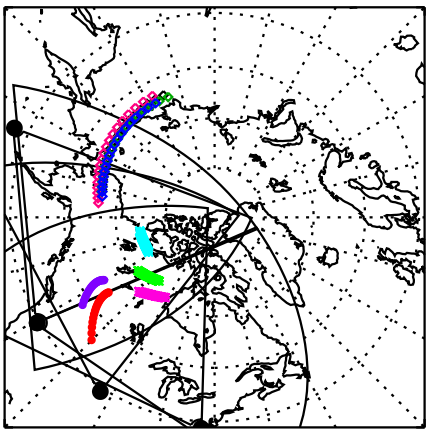
30–Dec–2013

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

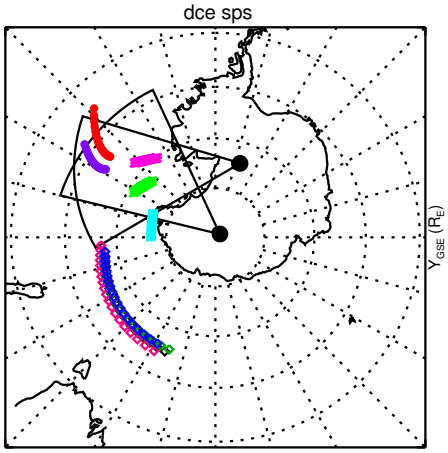


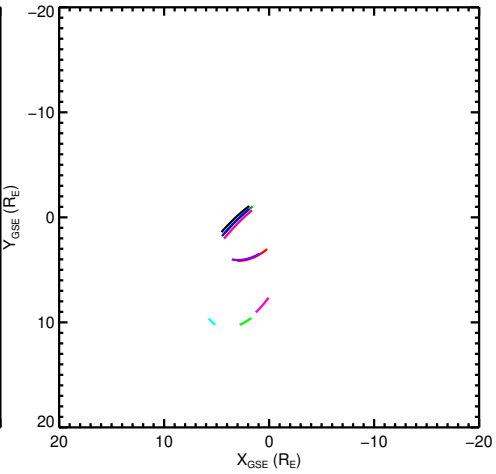


(a) 0000UT to 0140UT
ade bks cve cvw fhw

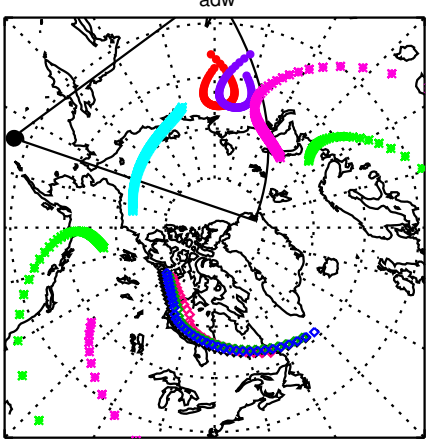


dce sps

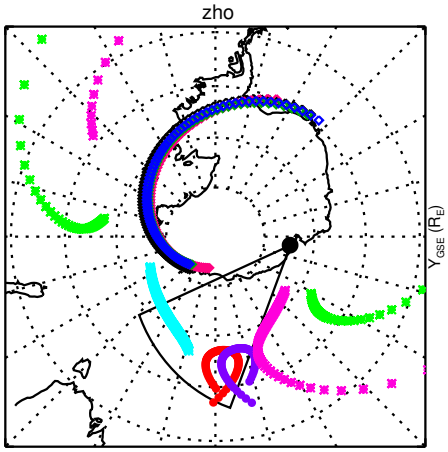


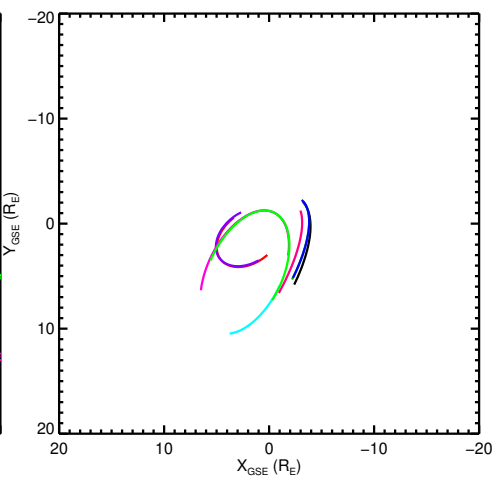


(b) 0405UT to 1040UT
adw

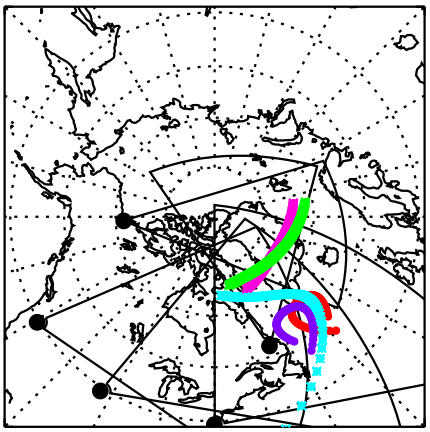


zho

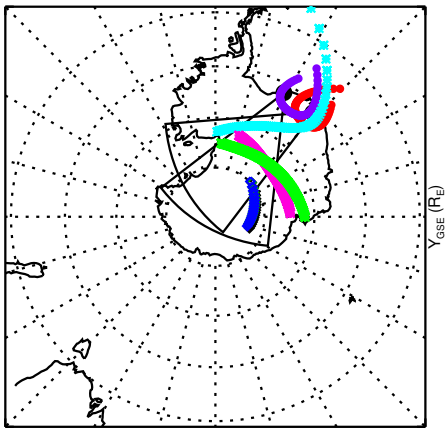


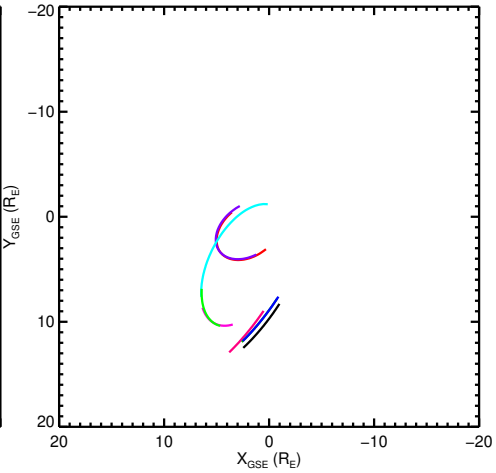


(c) 1310UT to 1935UT
cve fhe gbr inv wal

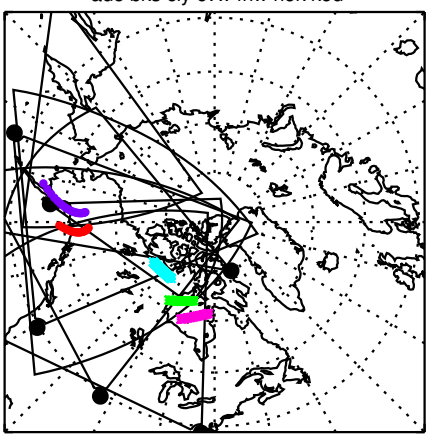


hal san

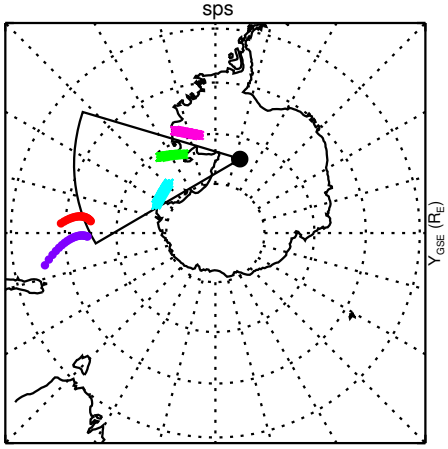


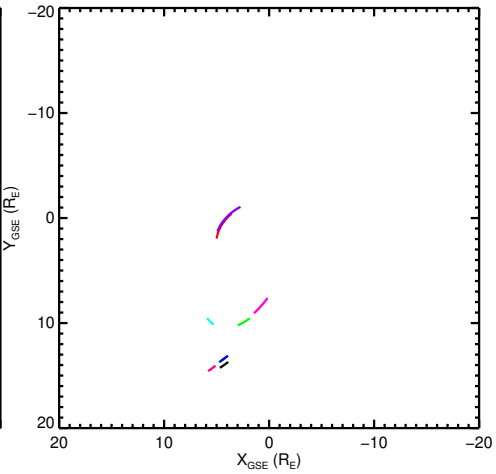


(d) 2210UT to 2355UT
ade bks cly cvw fhw hok kod



sps

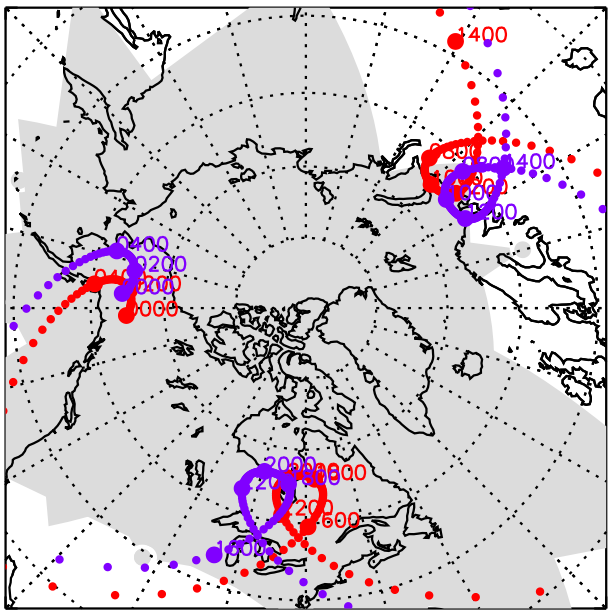


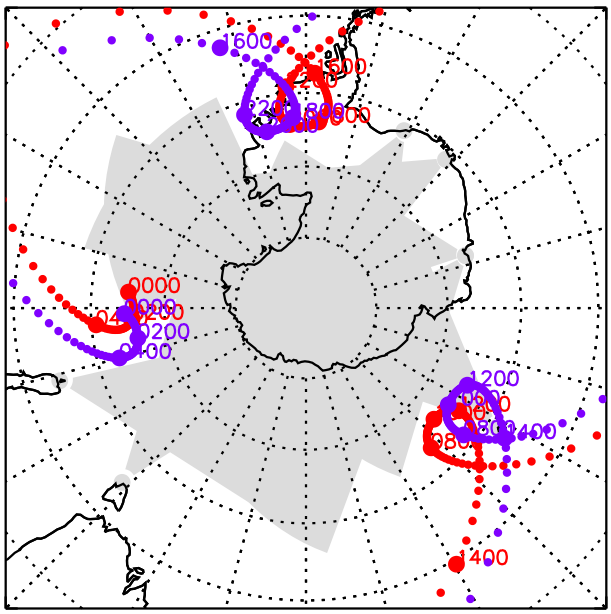


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

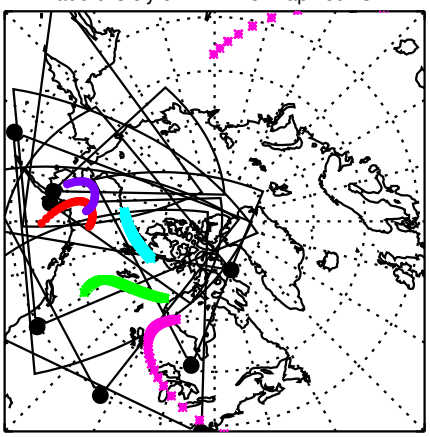
31−Dec−2013

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

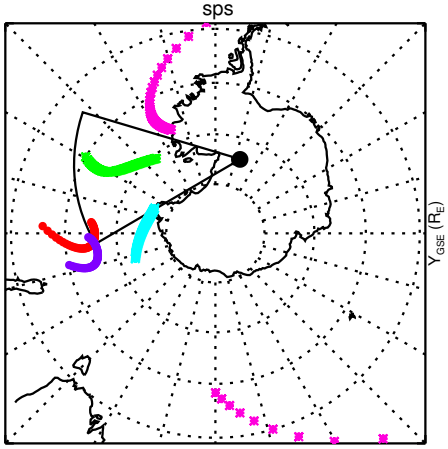


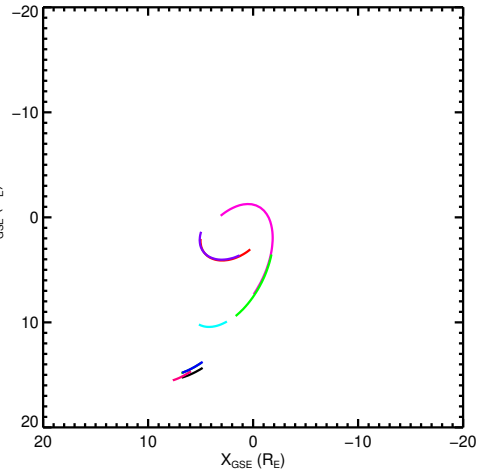


(a) 0000UT to 0435UT
ade bks cly cvw fhw hok kap kod ksr

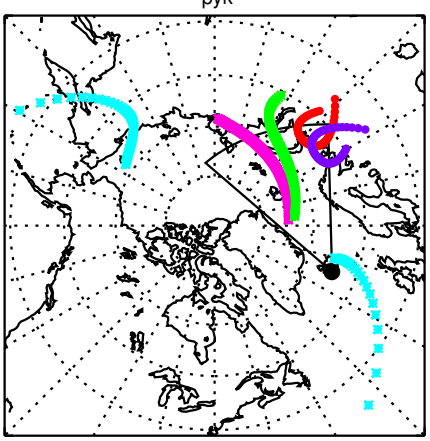


sps

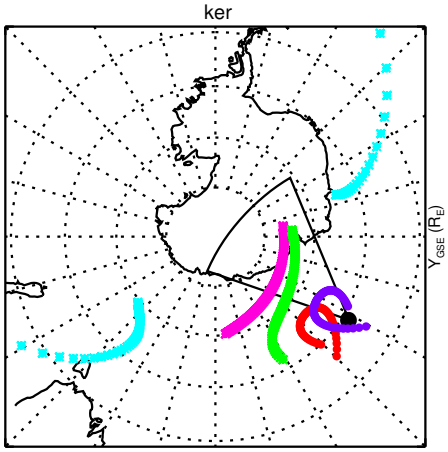


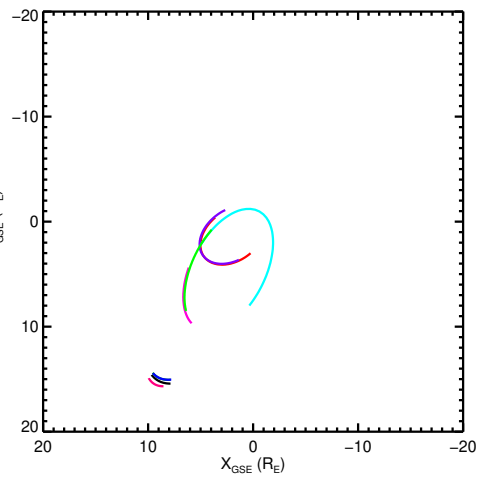
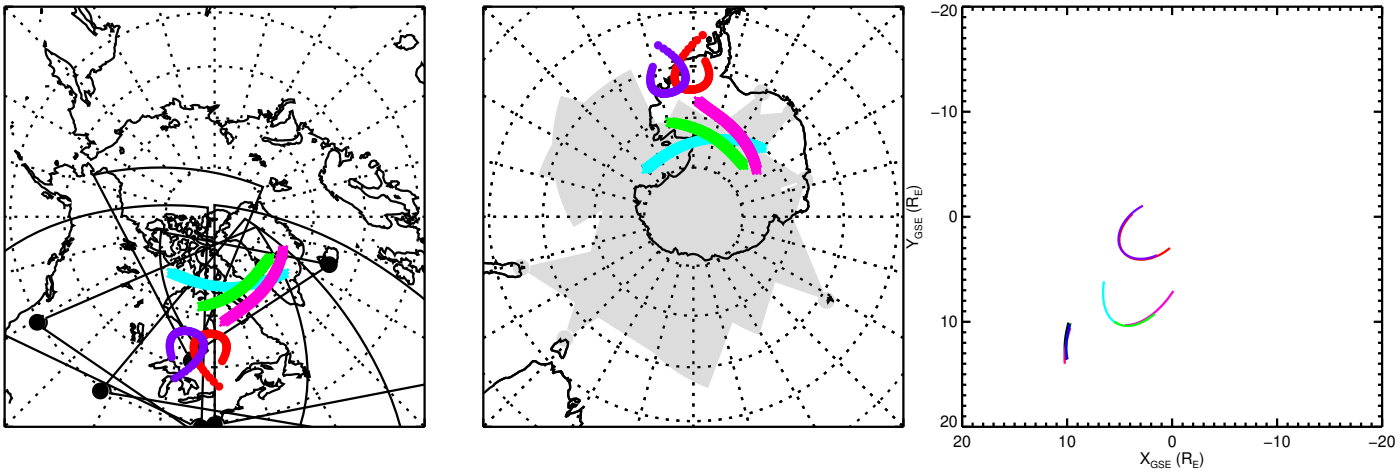


(b) 0710UT to 1335UT
pyk



ker





(c) 1615UT to 2235UT
bks cve fhe kap sto wal