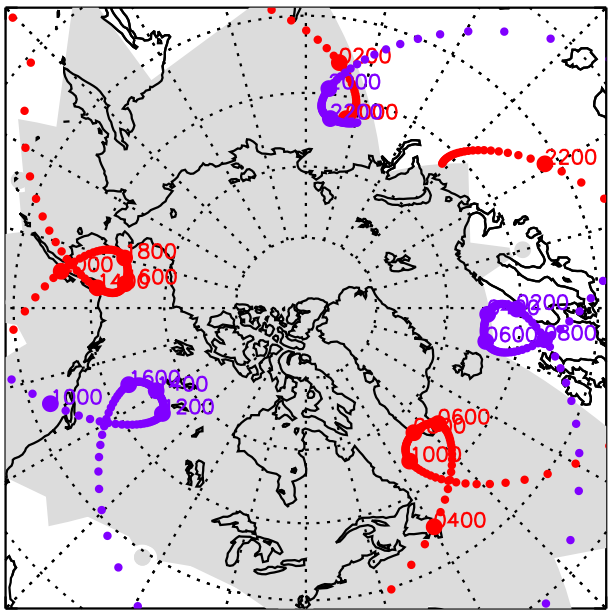
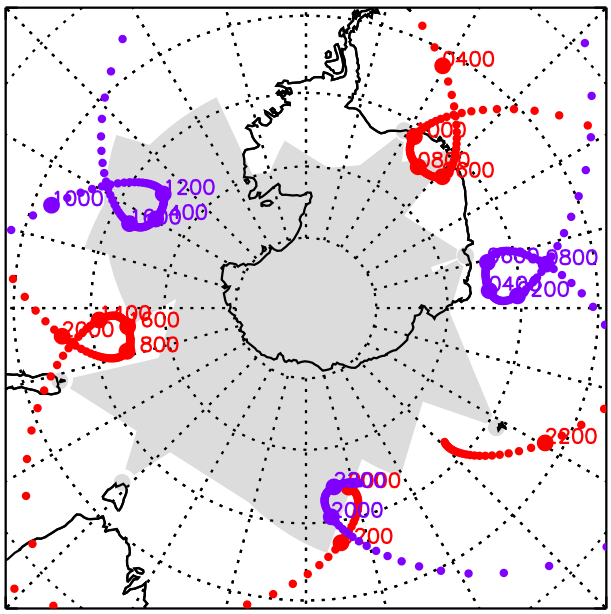
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

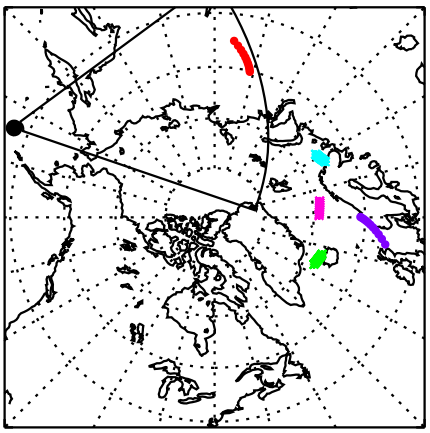
01−Sep−2014

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

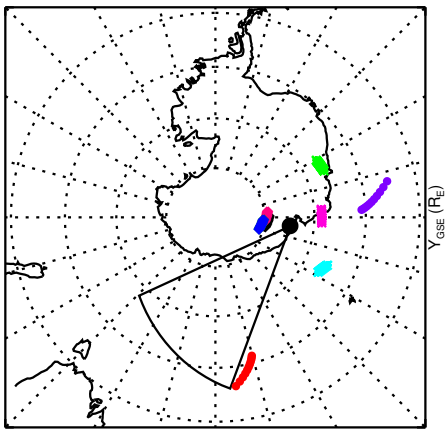


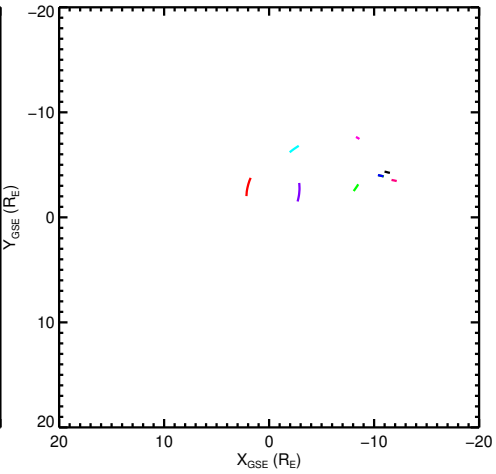


(a) 0115UT to 0205UT
adw

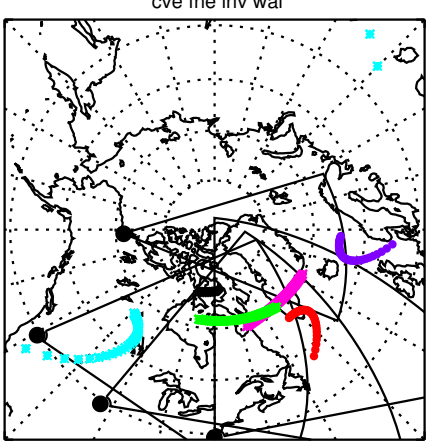


zho





(b) 0415UT to 0810UT
cve fhe inv wal



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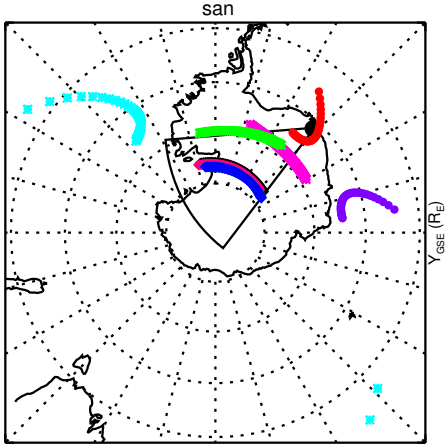
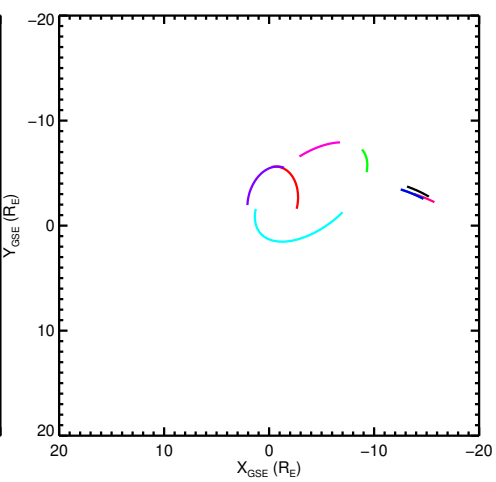
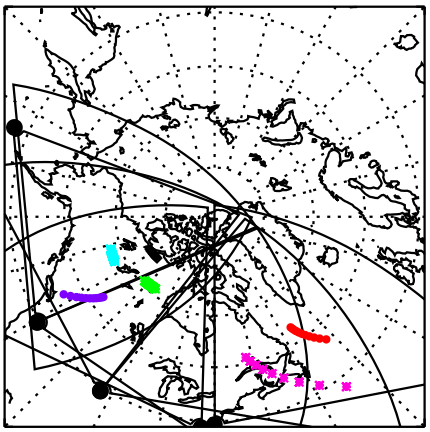
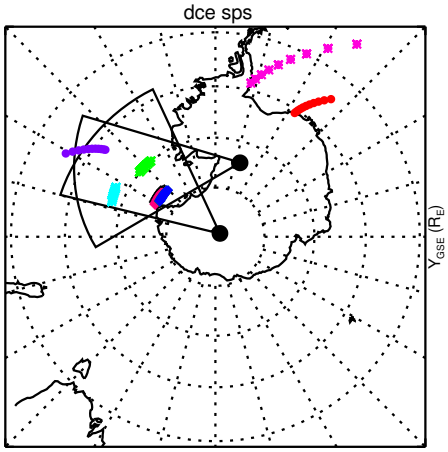


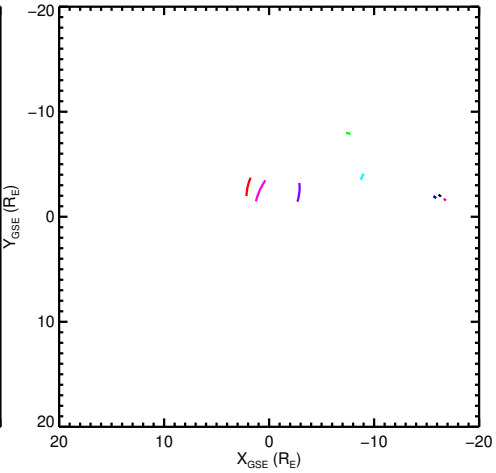


(c) 1015UT to 1105UT
ade bks cve cvw fhe fhw wal

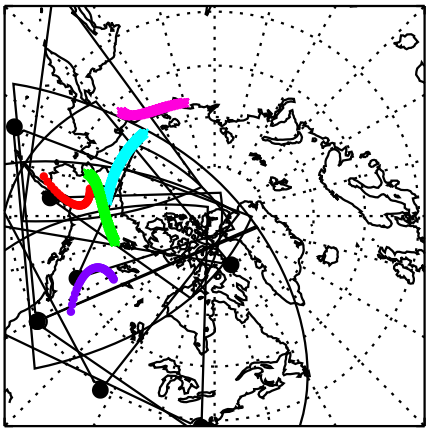


dce sps

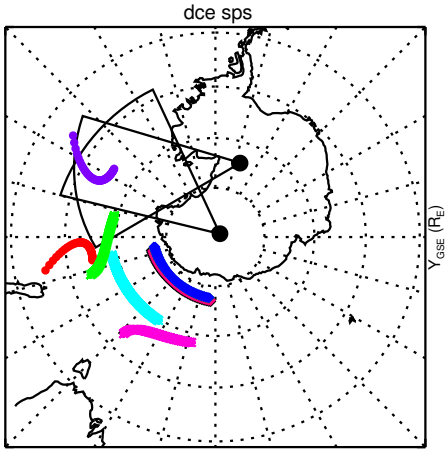


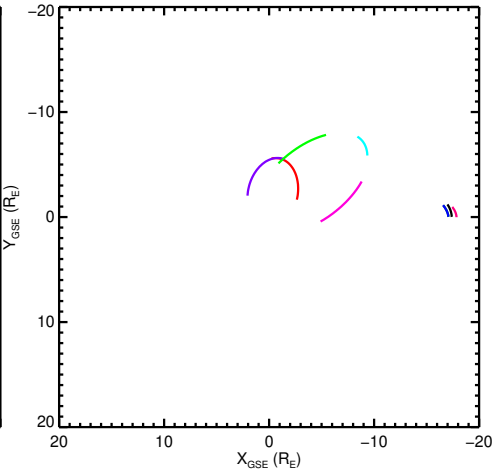


(d) 1315UT to 1710UT
ade bks cly cve cvw fhw hok kod pgr

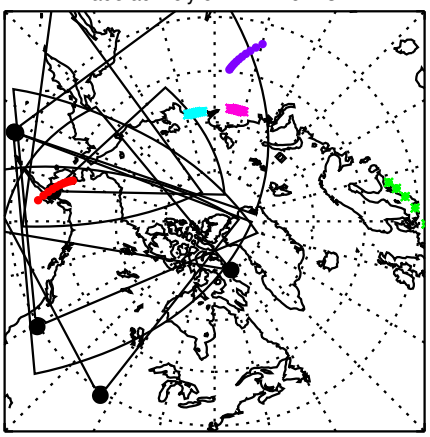


dce sps

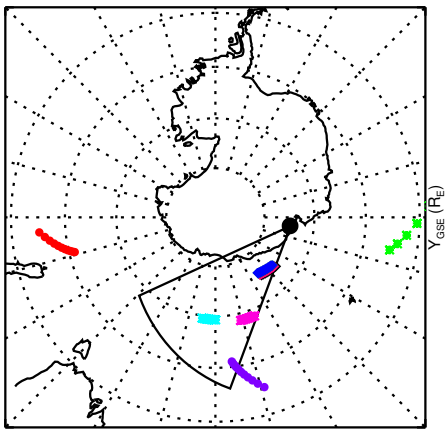


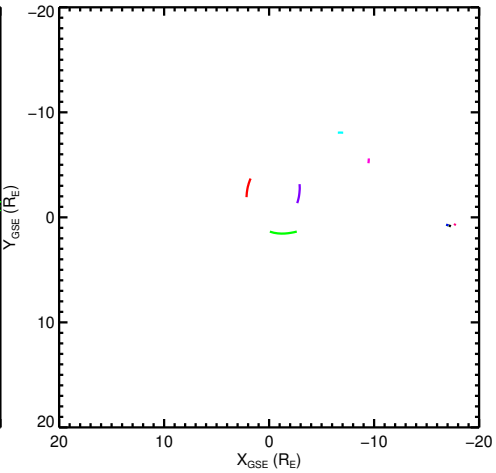


(e) 1915UT to 2005UT
ade adw cly cvw fhw hok ksr

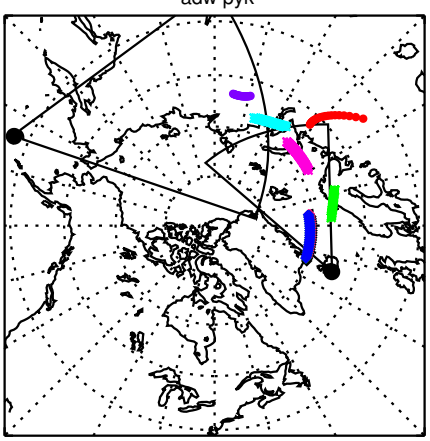


zho

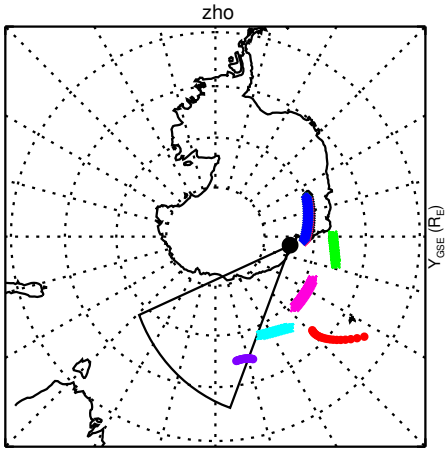


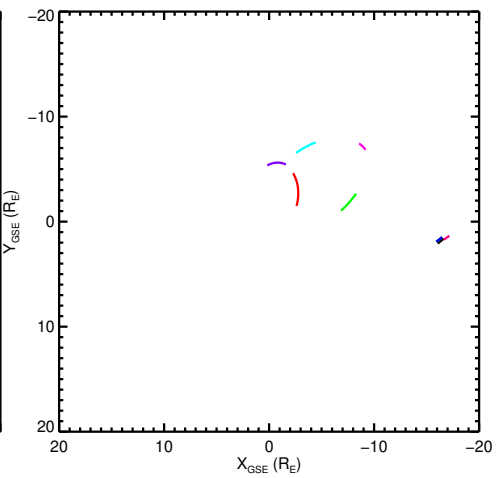


(f) 2210UT to 2355UT
adw pyk



zho

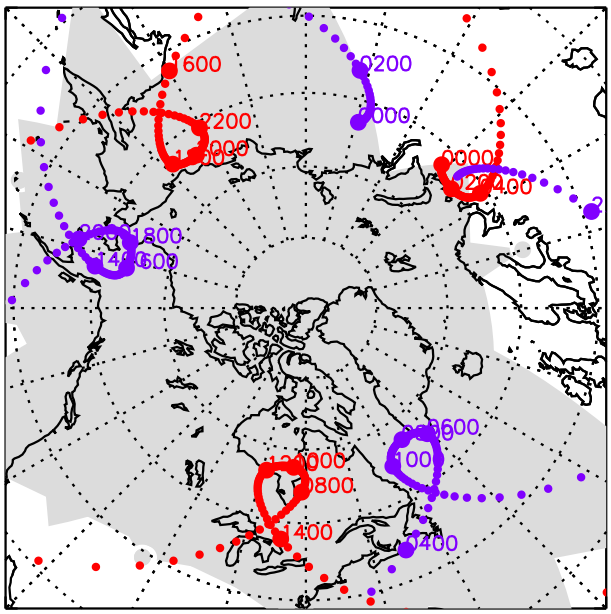


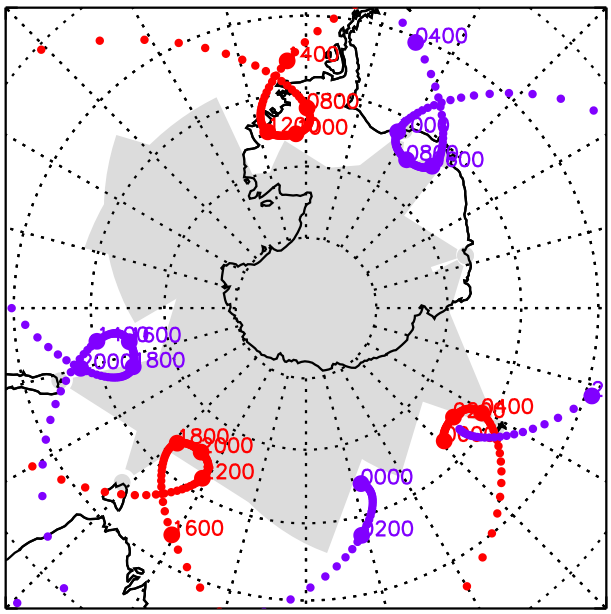


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

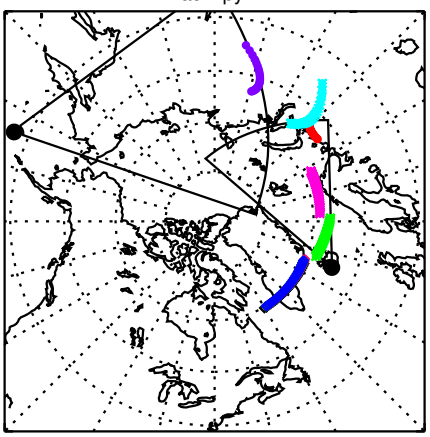
02–Sep–2014

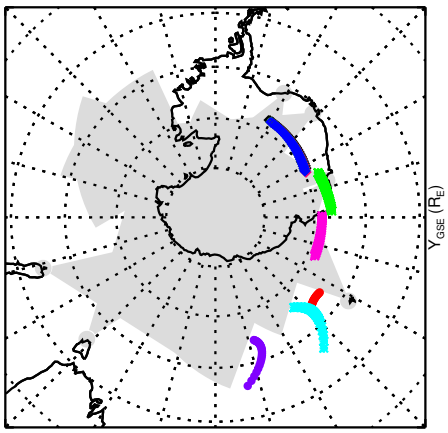
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

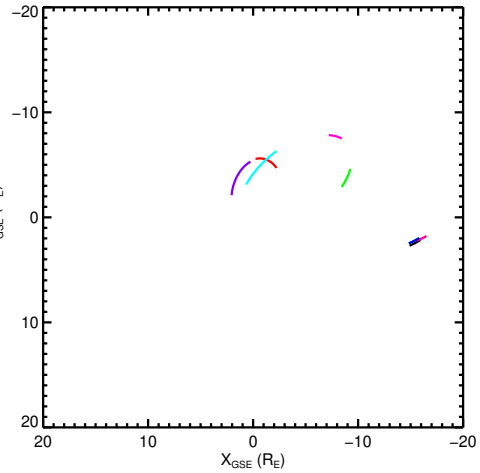




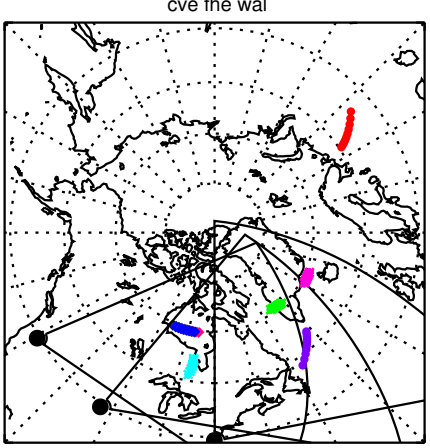
(a) 0000UT to 0210UT
adw pyk



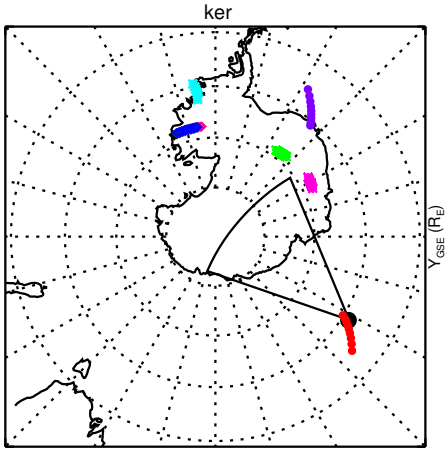


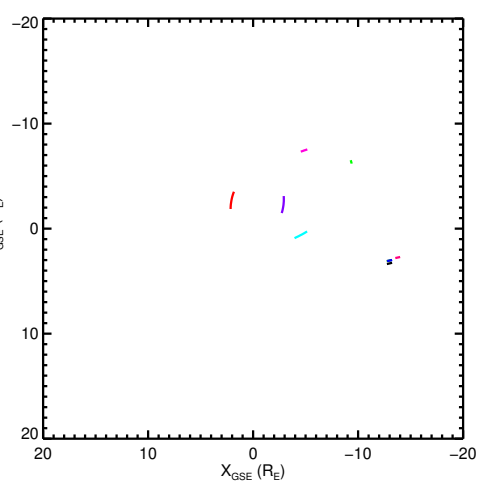


(b) 0420UT to 0505UT
cve fhe wal



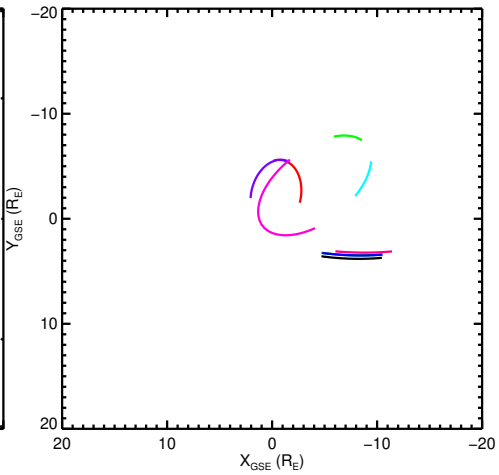
ker



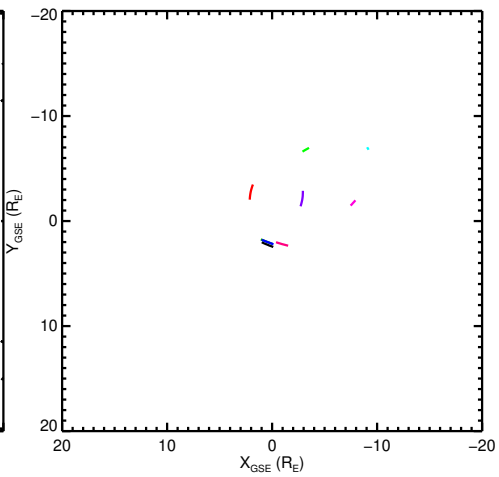


(c) 0710UT to 1115UT
bks cve fhe gbr kap sto wal

hal san

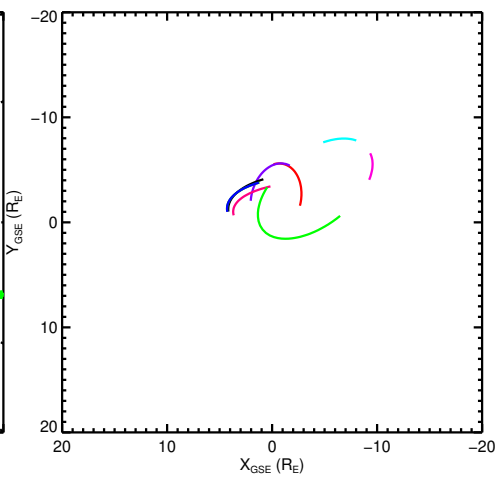


(d) 1320UT to 1400UT
ade bks cly cve cvw fhe fhw hok ksr

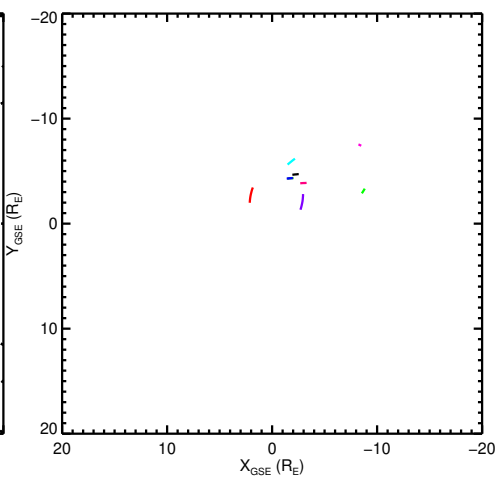


(e) 1610UT to 2015UT
ade adw cly cvw fhw hok kap ksr

tig unw



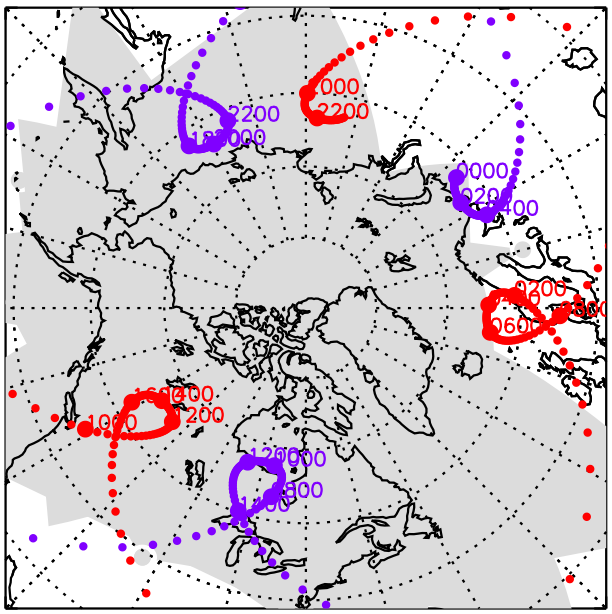
(f) 2220UT to 2300UT
adw hok

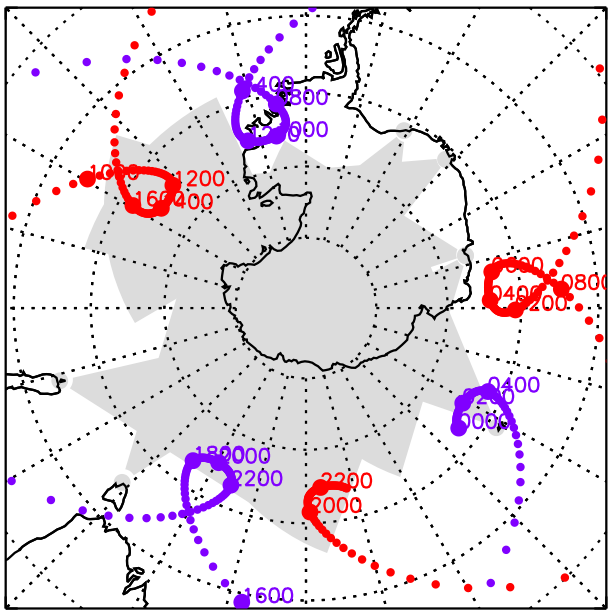


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

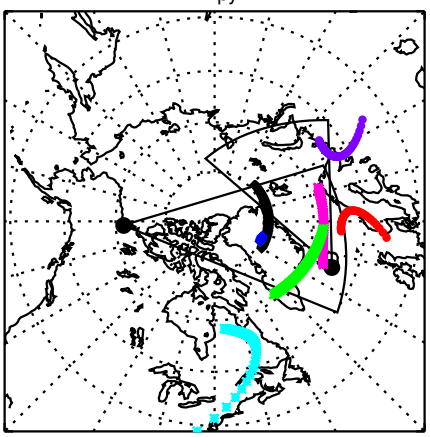
03–Sep–2014

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





(a) 0110UT to 0515UT
inv pyk



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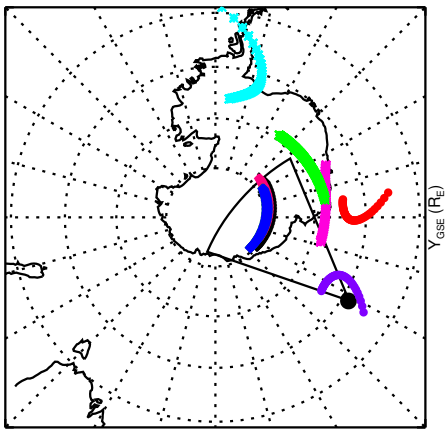
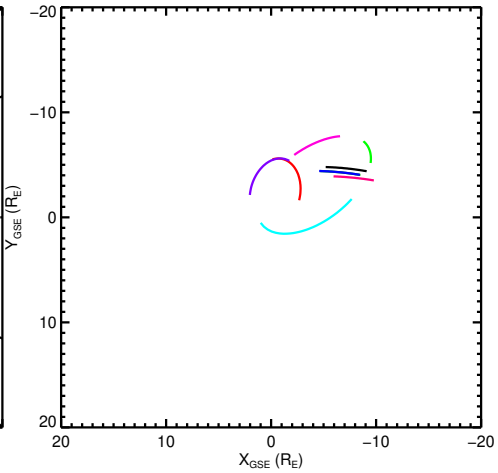
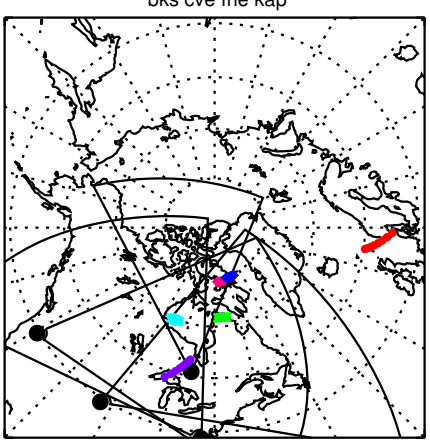
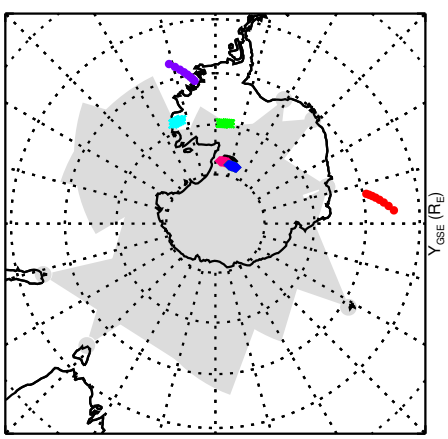
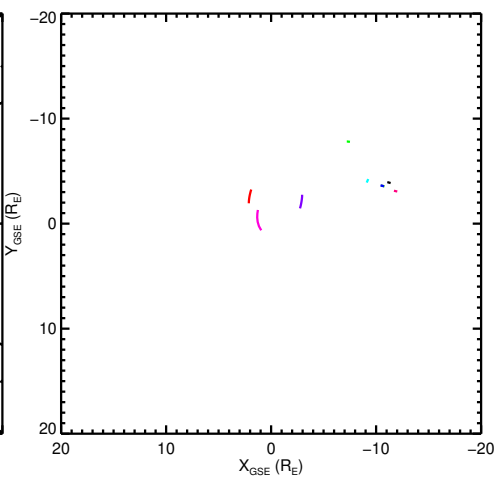




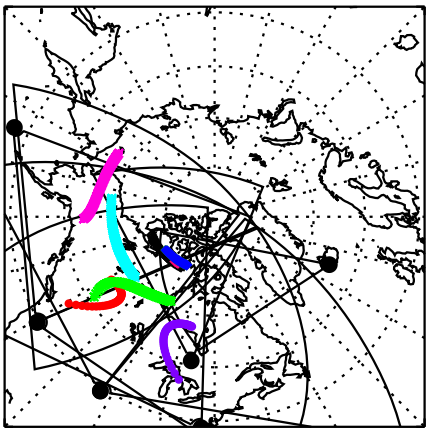
(b) 0725UT to 0800UT
bks cve fhe kap



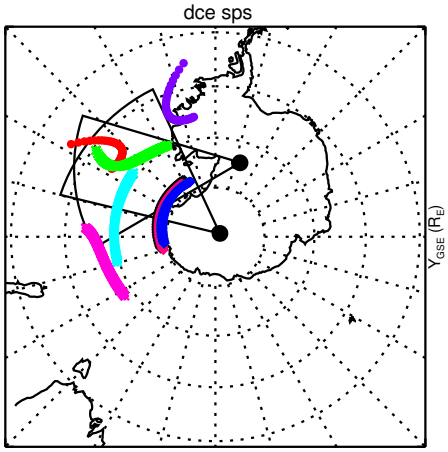


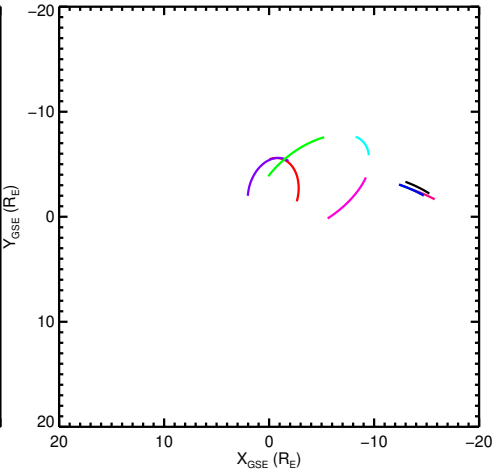


(c) 1005UT to 1420UT
ade bks cve cvw fhe fhw kap sto

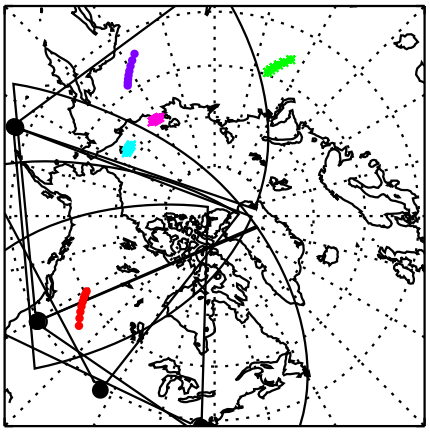


dce sps

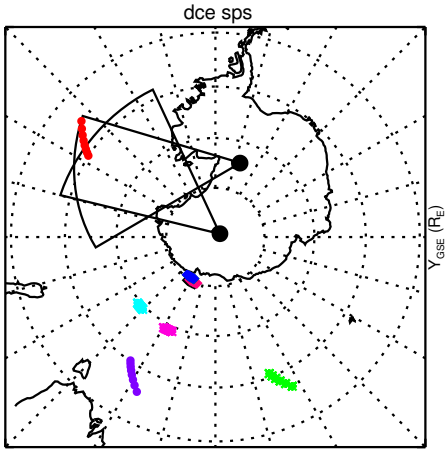


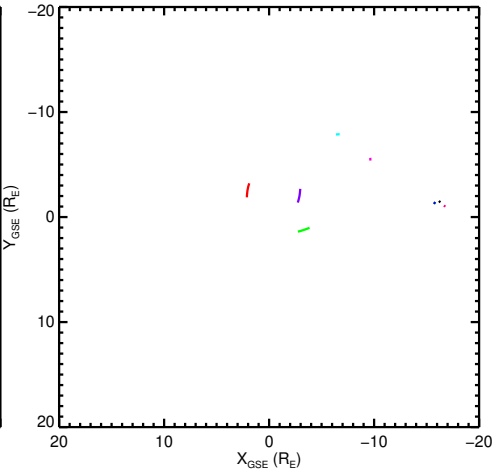


(d) 1625UT to 1700UT
ade adw bks cve cvw fhw

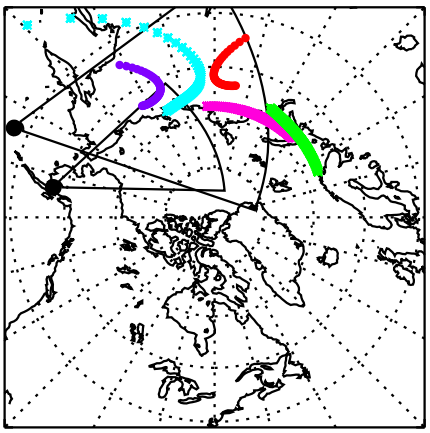


dce sps

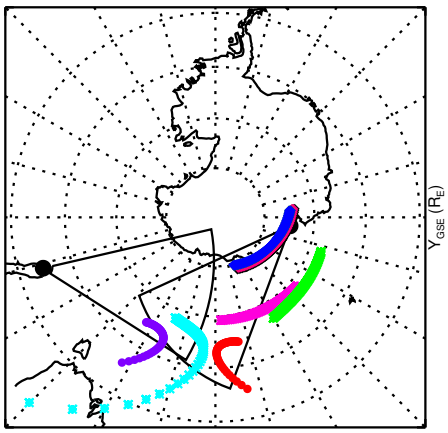


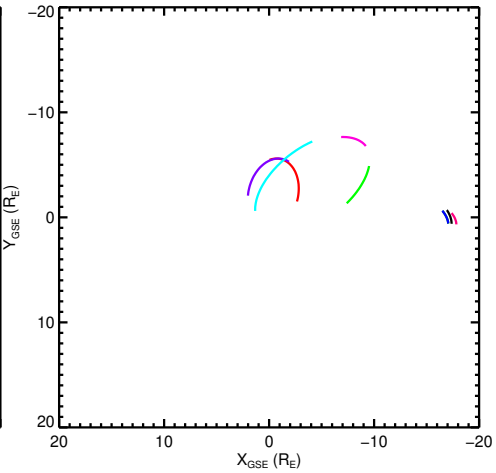


(e) 1905UT to 2320UT
adw ksr



unw zho

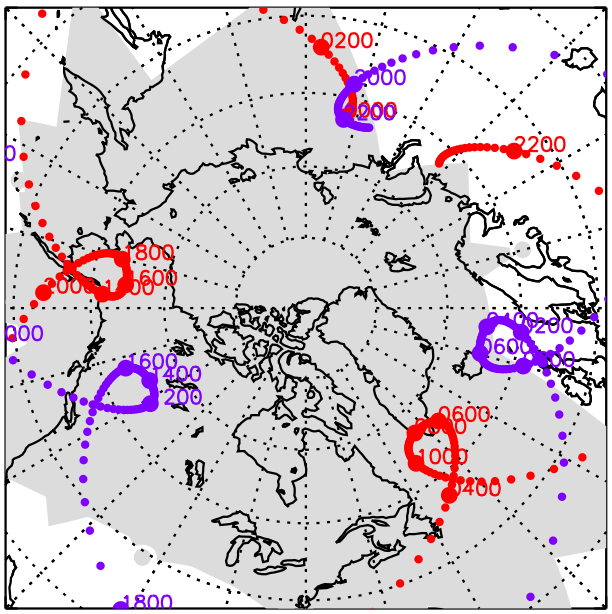


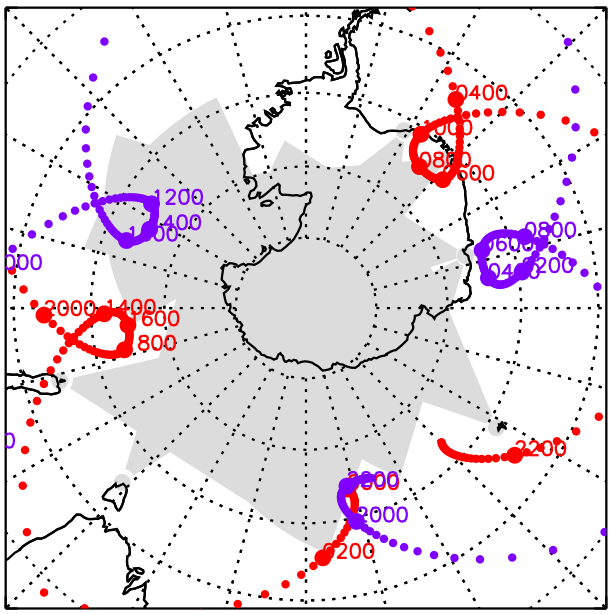


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

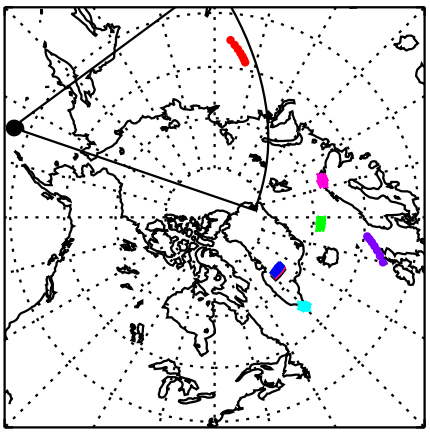
04–Sep–2014

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

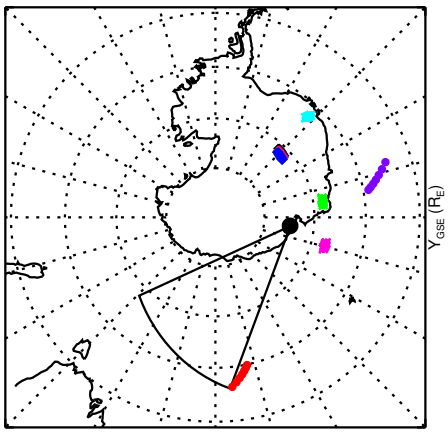


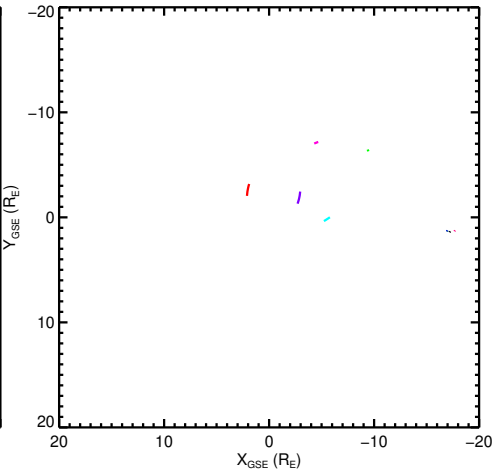


(a) 0125UT to 0155UT
adw

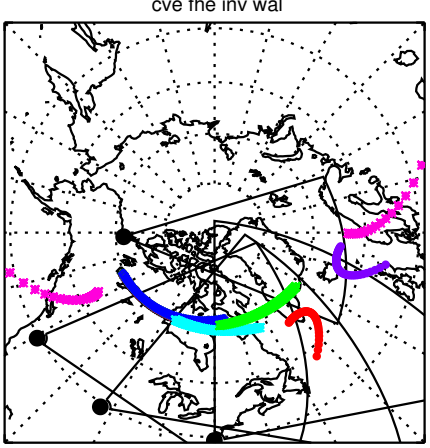


zho





(b) 0405UT to 0820UT
cve fhe inv wal



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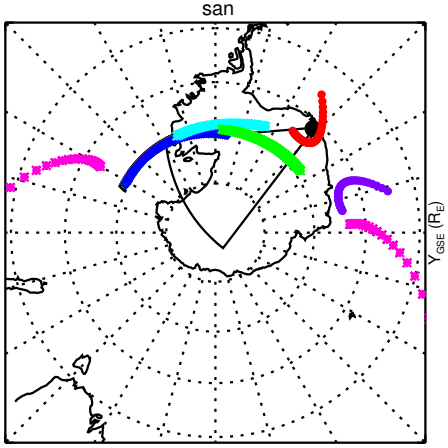
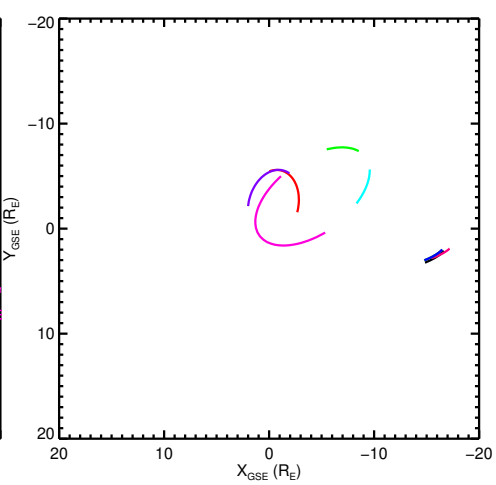
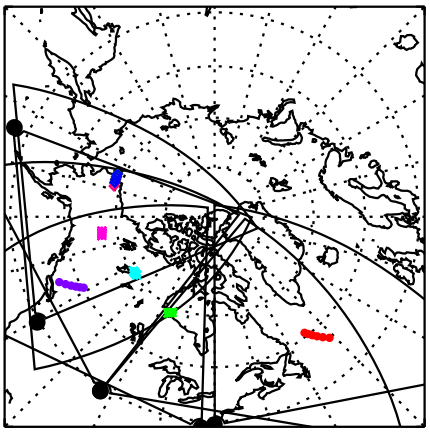
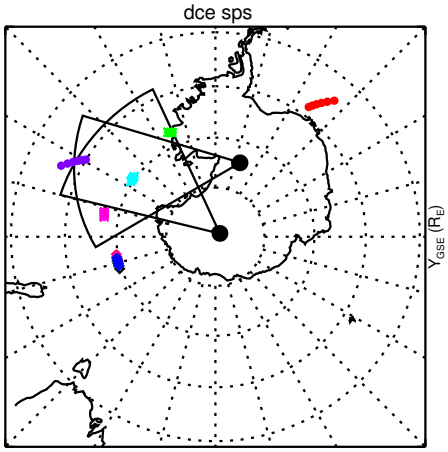


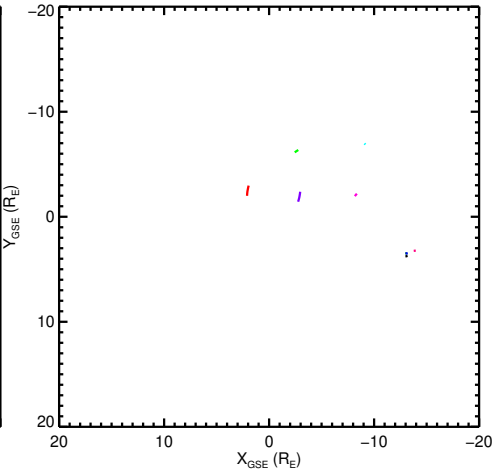


(c) 1030UT to 1055UT
ade bks cvw fhe fhw wal

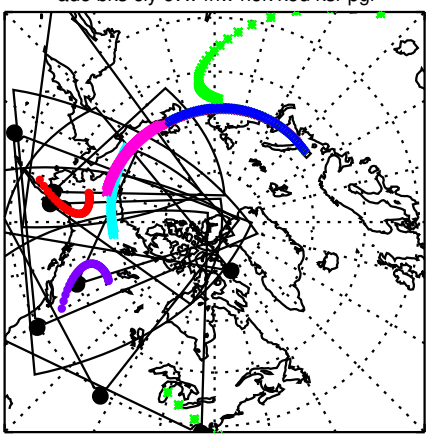


dce sps

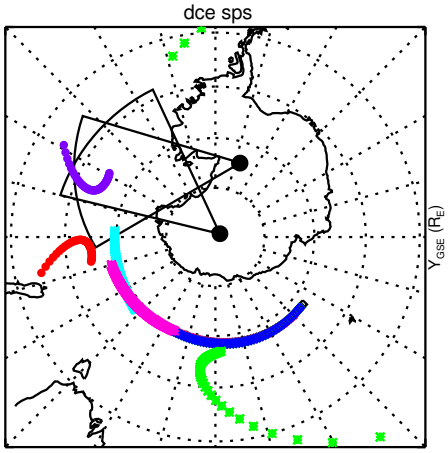


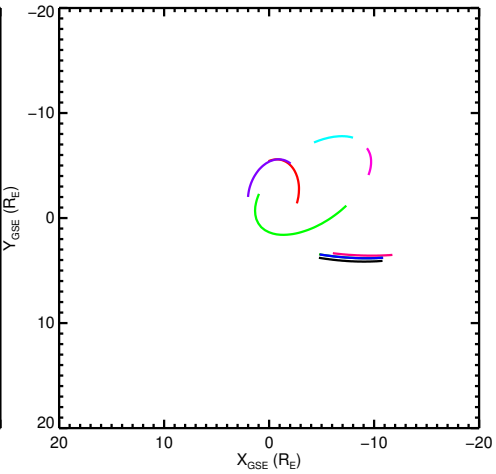


(d) 1300UT to 1725UT
ade bks cly cvw fhw hok kod ksr pgr

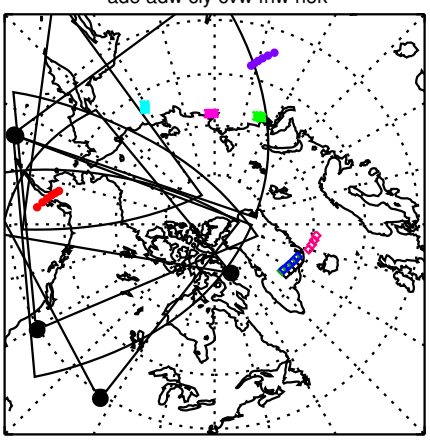


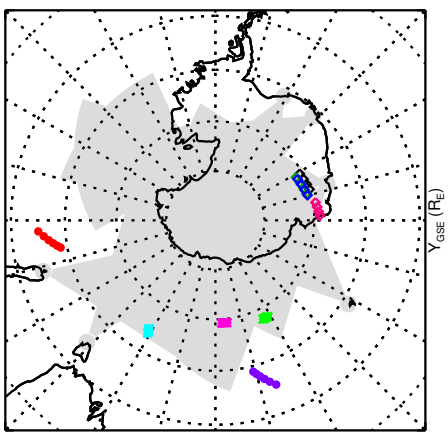
dce sps

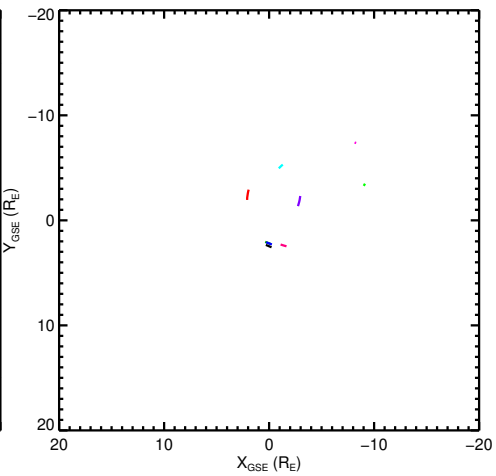




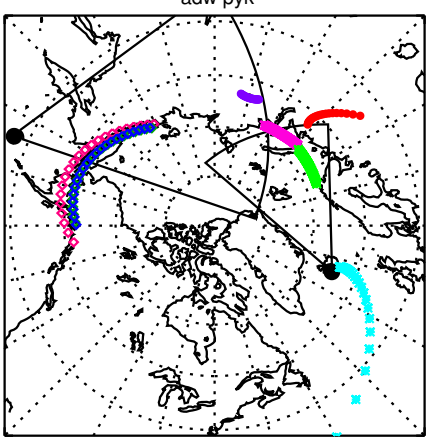
(e) 1930UT to 1955UT
ade adw cly cvw fhw hok



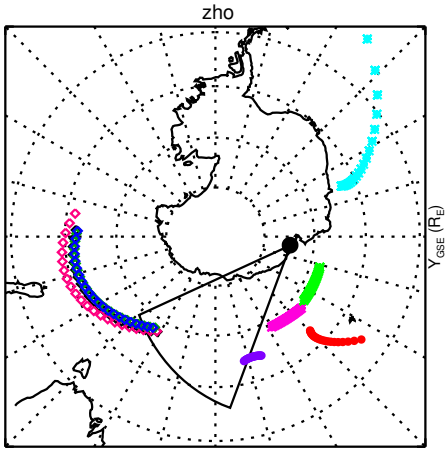


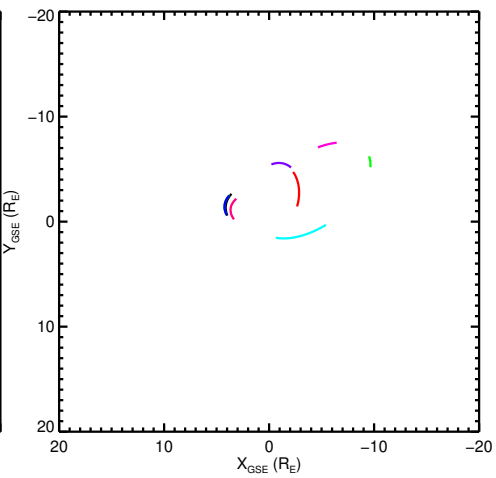


(f) 2200UT to 2355UT
adw pyk



zho

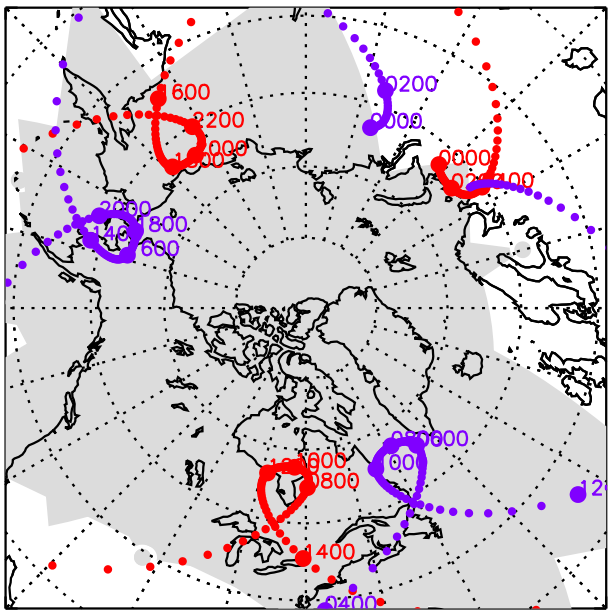


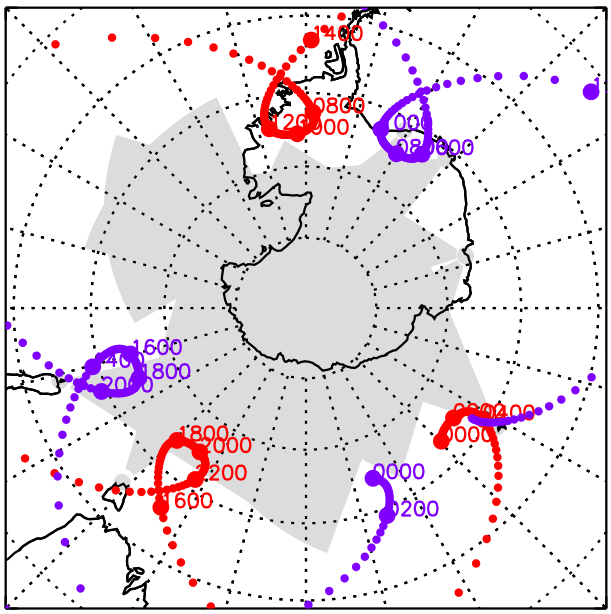


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

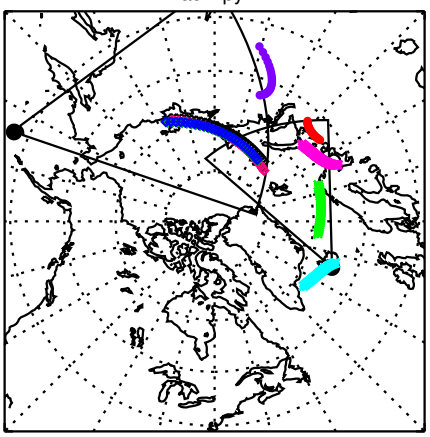
05–Sep–2014

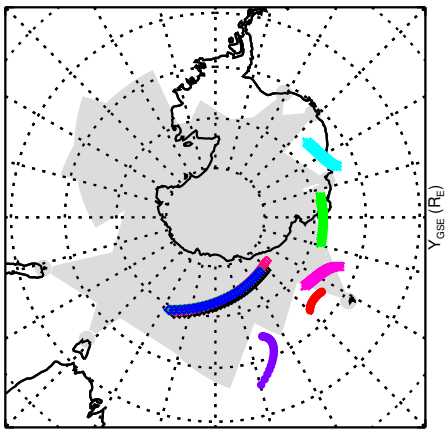
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

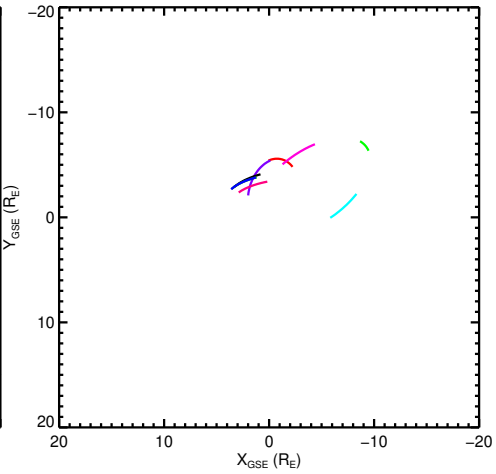




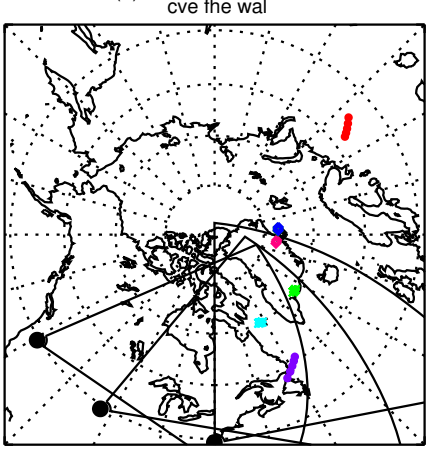
(a) 0000UT to 0225UT
adw pyk

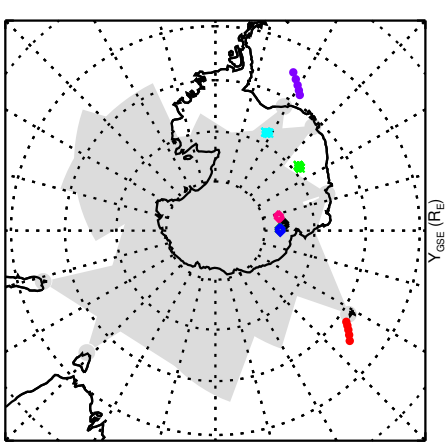


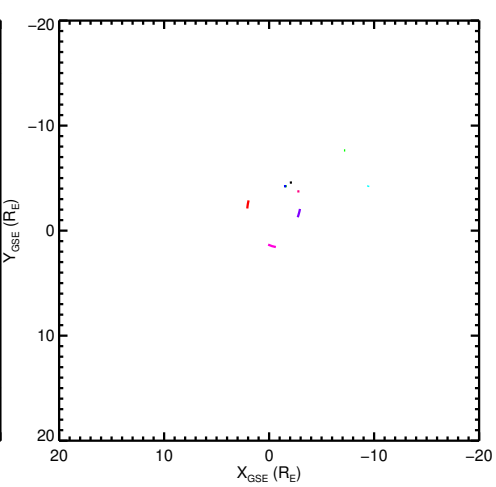




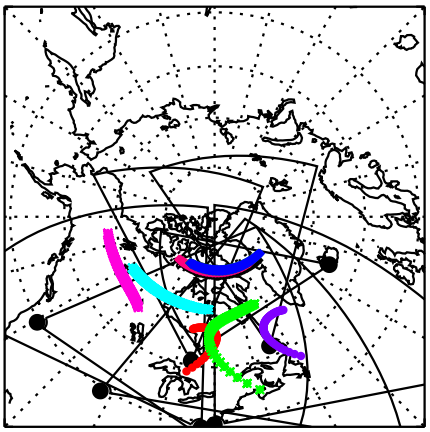
(b) 0430UT to 0450UT
cve fhe wal



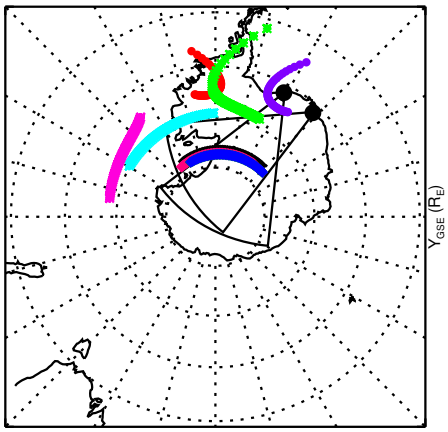


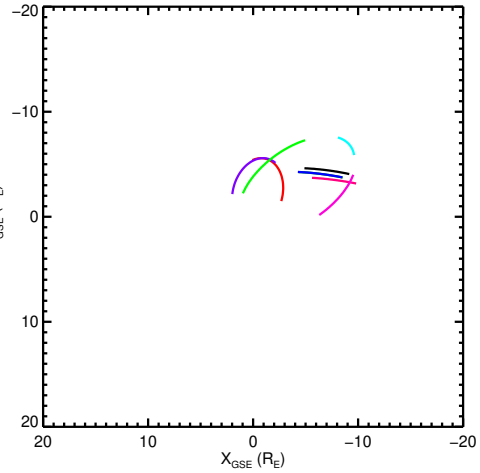


(c) 0700UT to 1125UT
bks cve fhe gbr kap sto wal

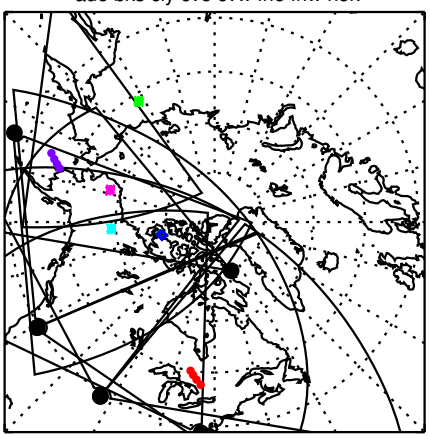


hal san

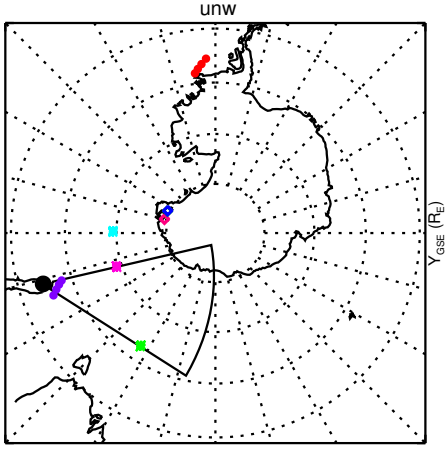


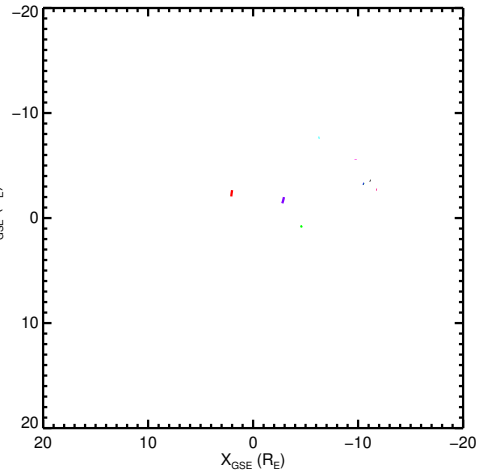


(d) 1335UT to 1350UT
ade bks cly cve cvw fhe fhw hok

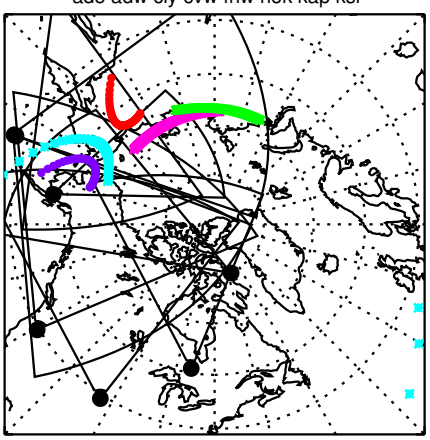


unw

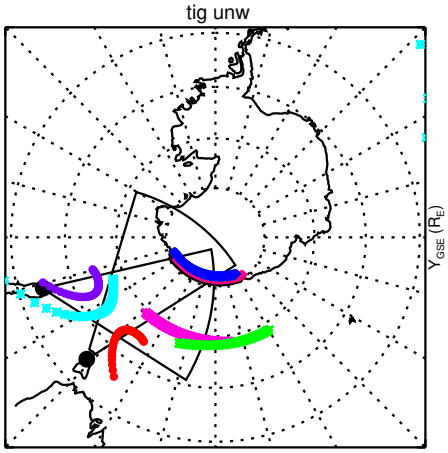


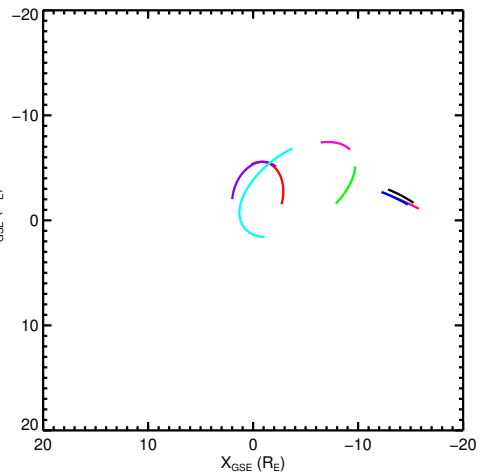


(e) 1600UT to 2030UT
ade adw cly cvw fhw hok kap ksr

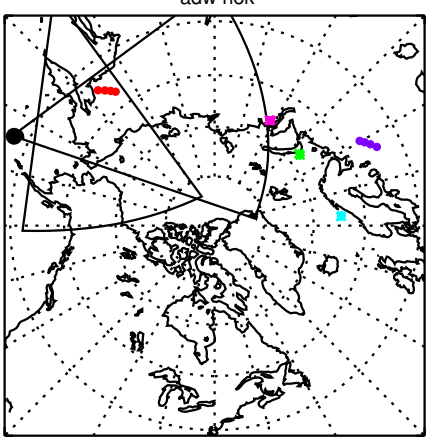


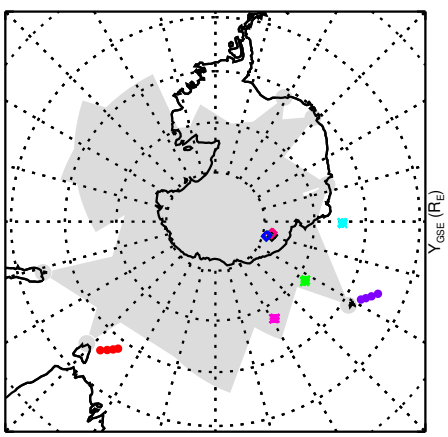
tig unw

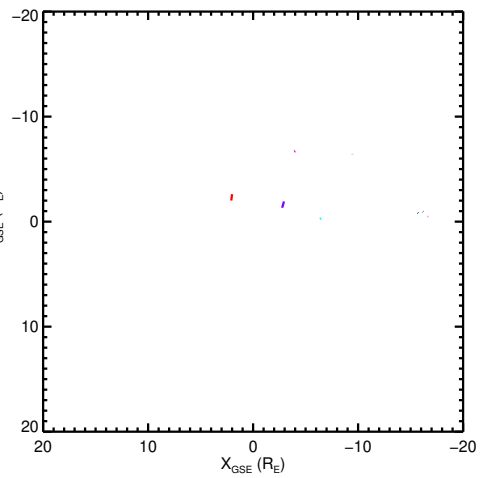




(f) 2235UT to 2250UT
adw hok



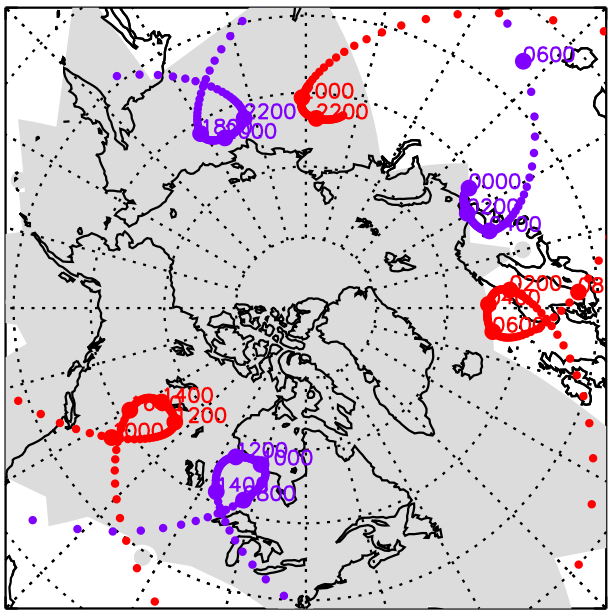


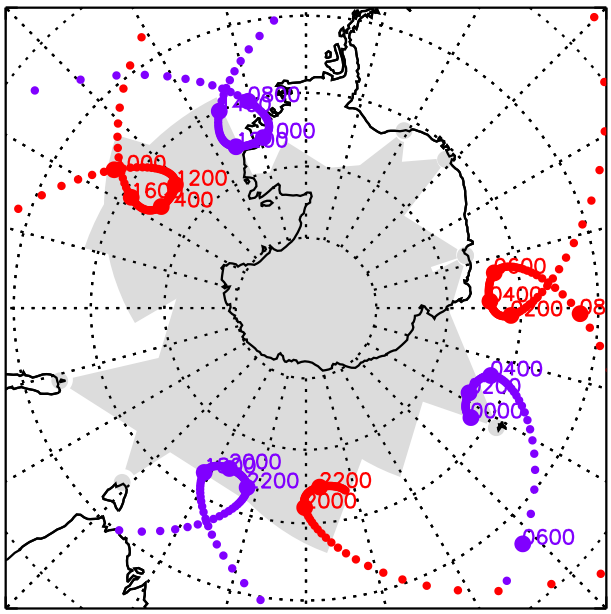


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

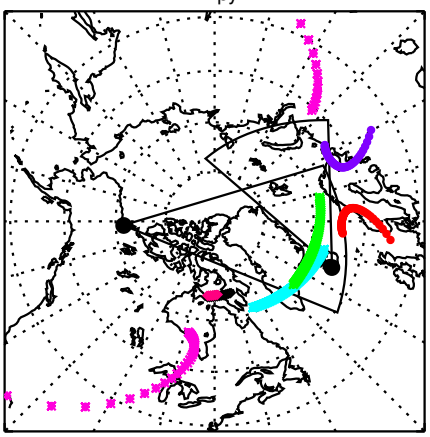
06–Sep–2014

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

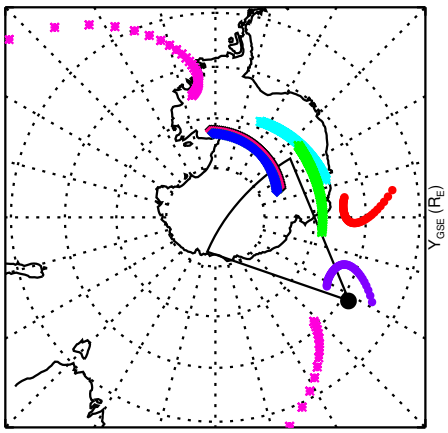


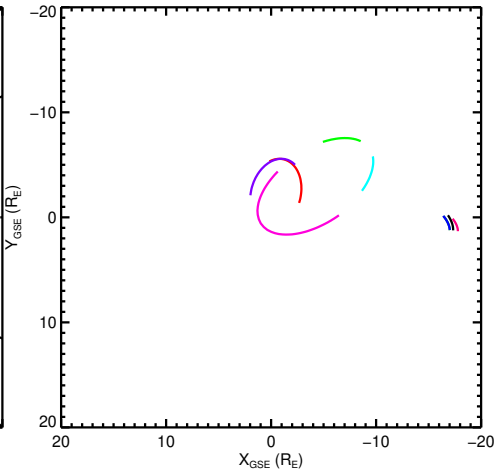


(a) 0055UT to 0530UT
inv pyk

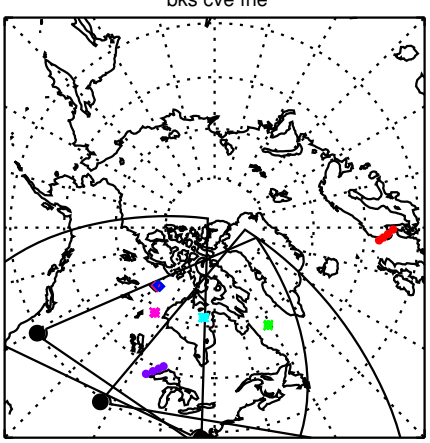


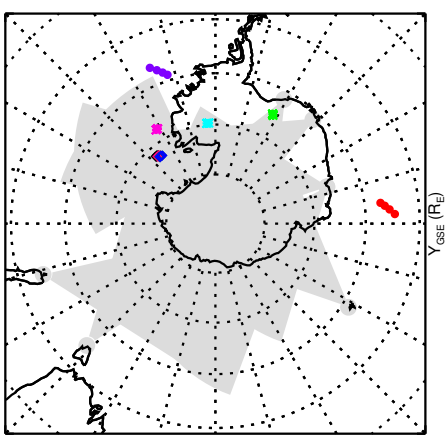
ker

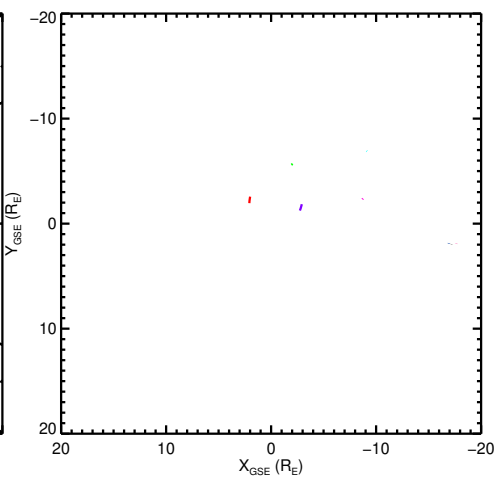




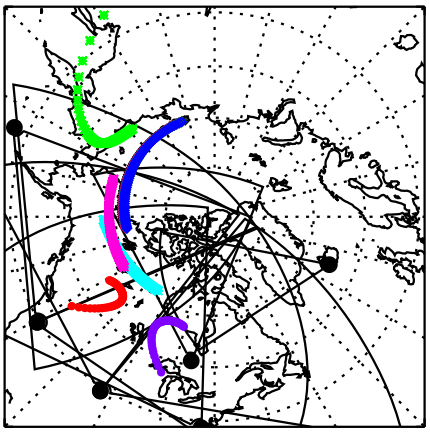
(b) 0735UT to 0750UT
bks cve fhe



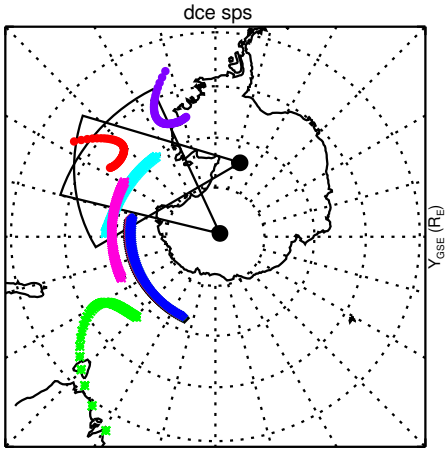


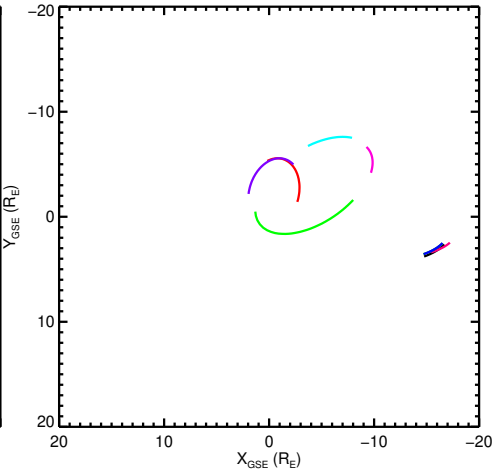


(c) 0955UT to 1430UT
ade bks cve cvw fhe fhw kap sto

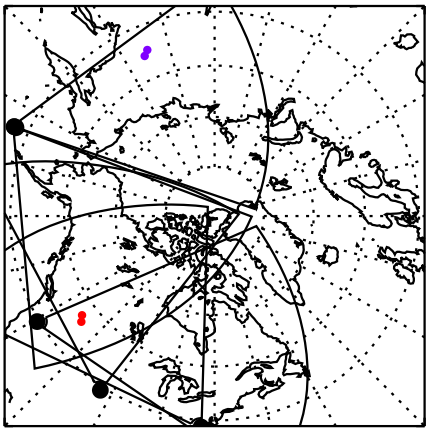


dce sps

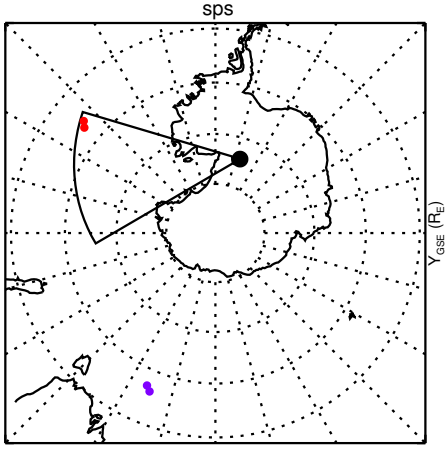


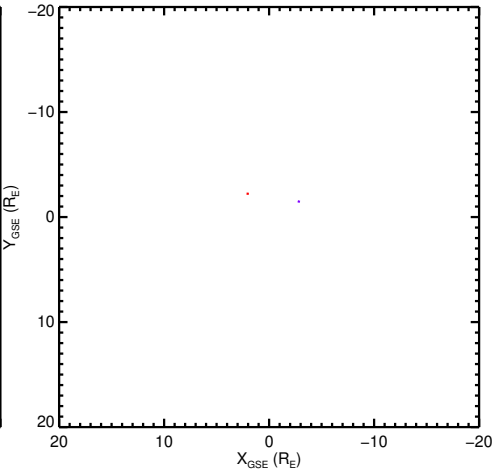


(d) 1640UT to 1645UT
ade adw bks cve fhw

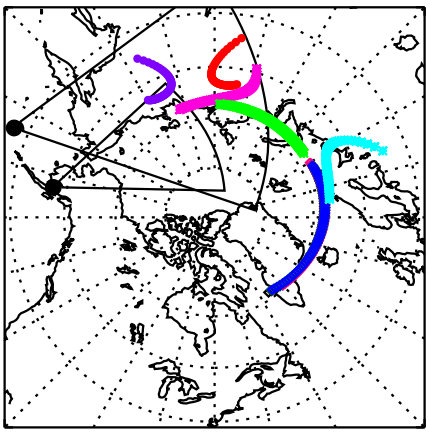


sps

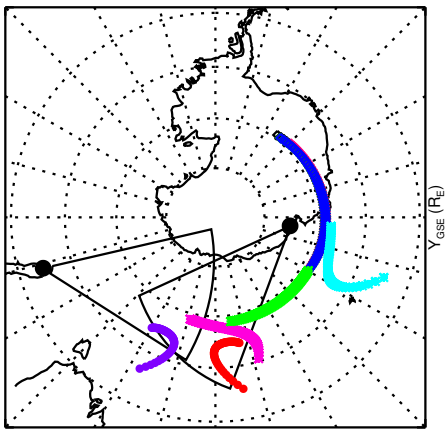


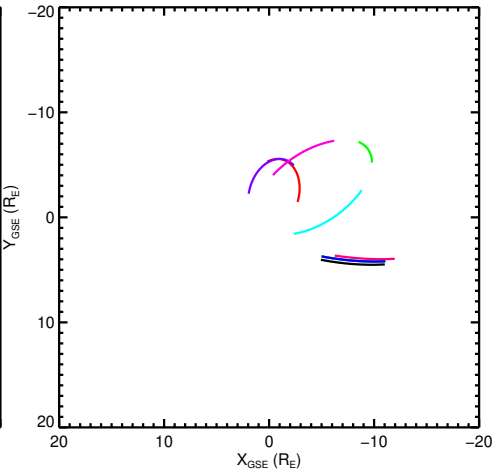


(e) 1855UT to 2330UT
adw ksr



unw zho

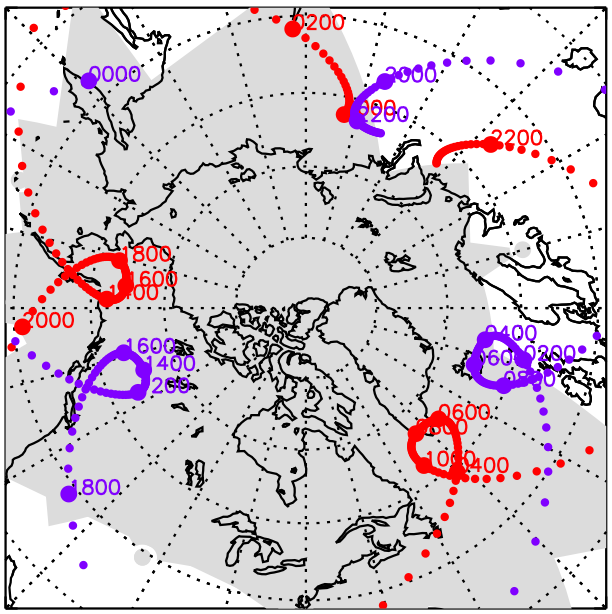


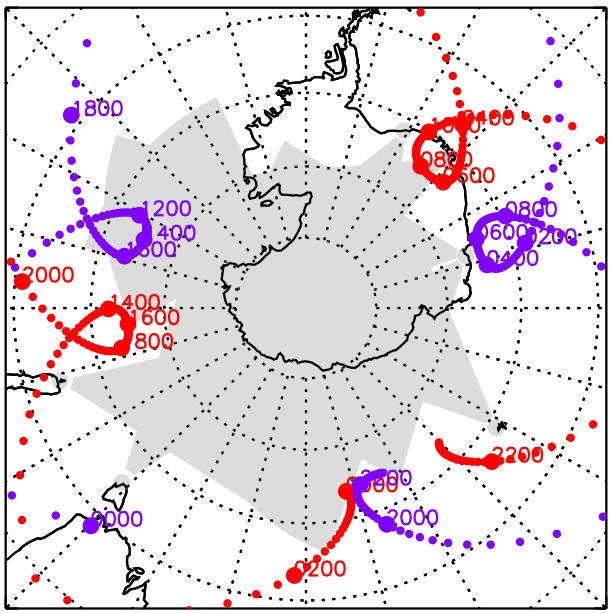


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

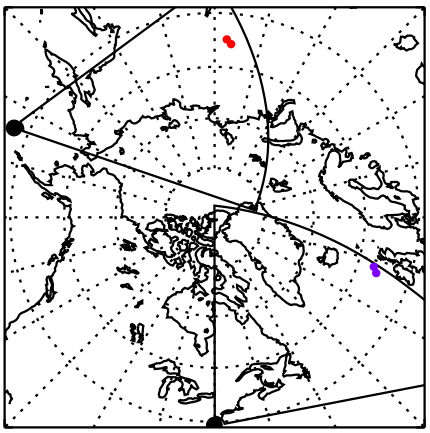
07–Sep–2014

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

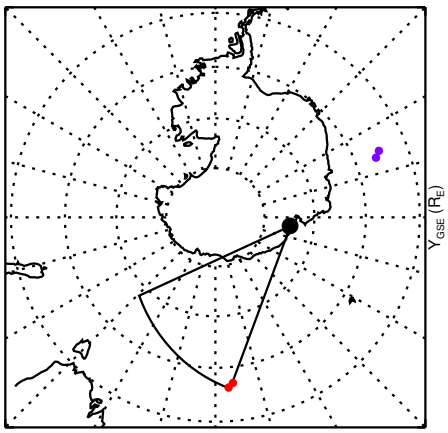


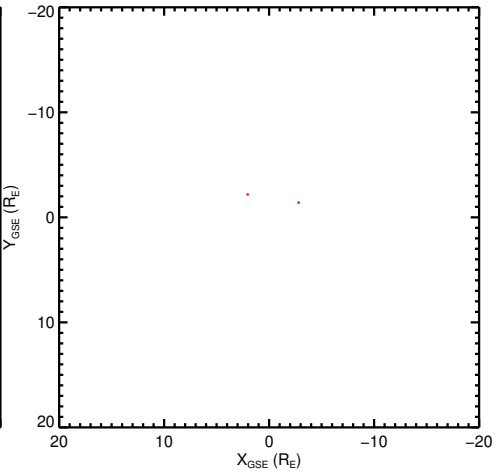


(a) 0140UT to 0145UT
adw wal

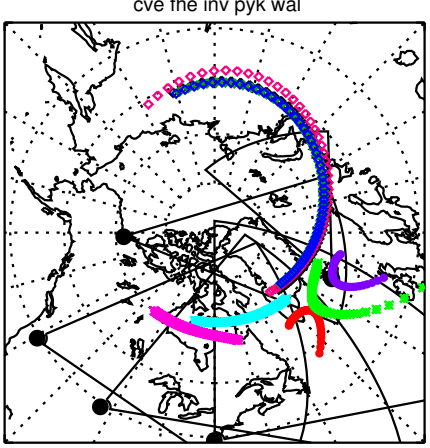


zho

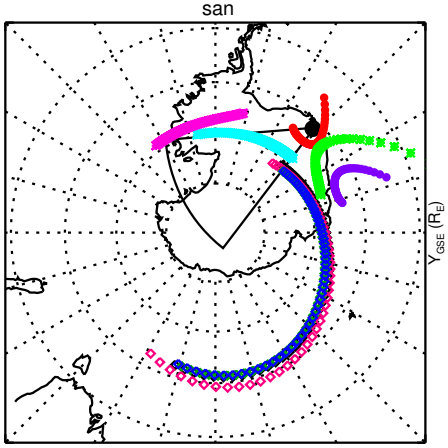


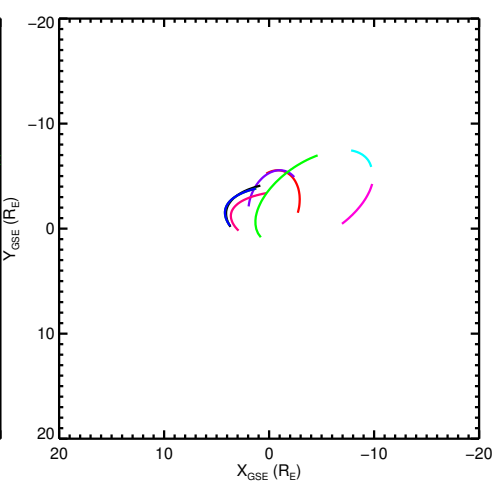


(b) 0355UT to 0835UT
cve fhe inv pyk wal

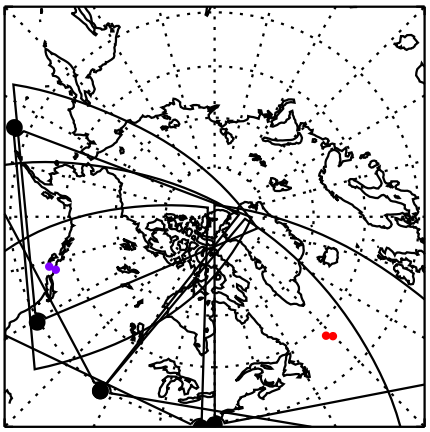


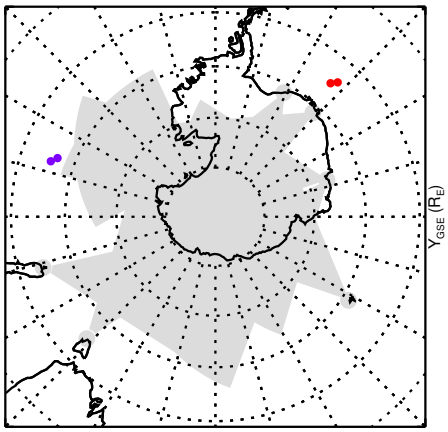
san

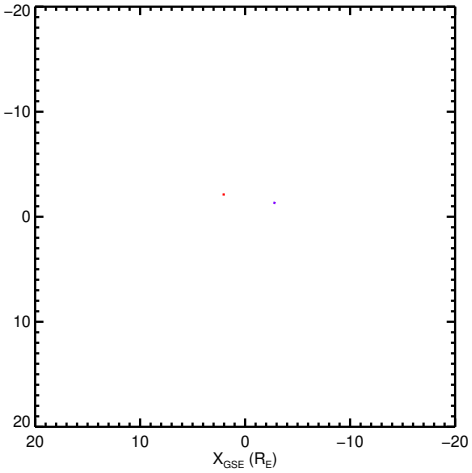




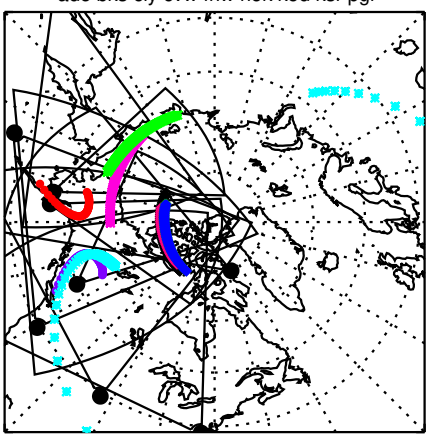
(c) 1040UT to 1045UT
ade bks cvw fhe fhw wal



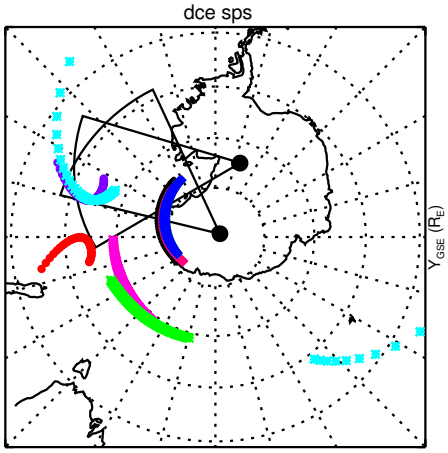


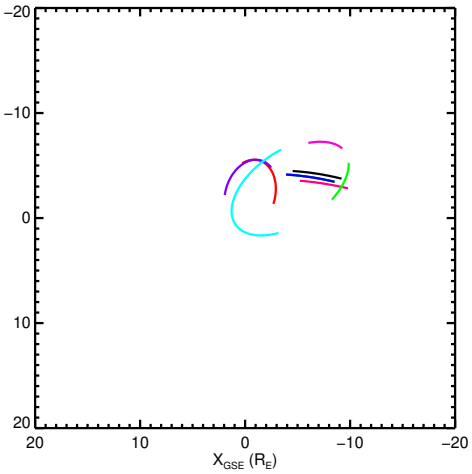


(d) 1250UT to 1735UT
ade bks cly cvw fhw hok kod ksr pgr

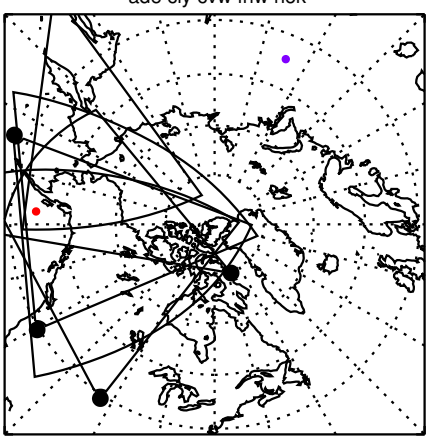


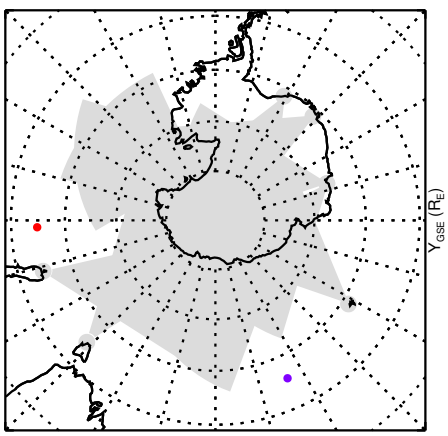
dce sps

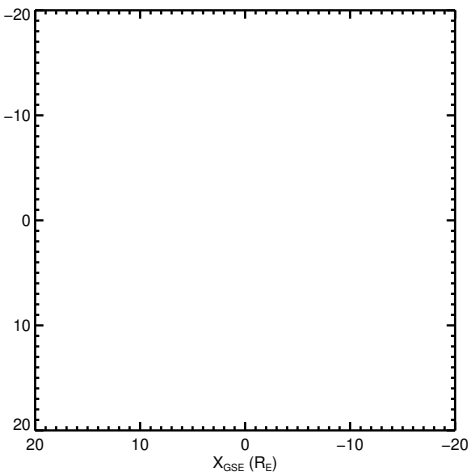




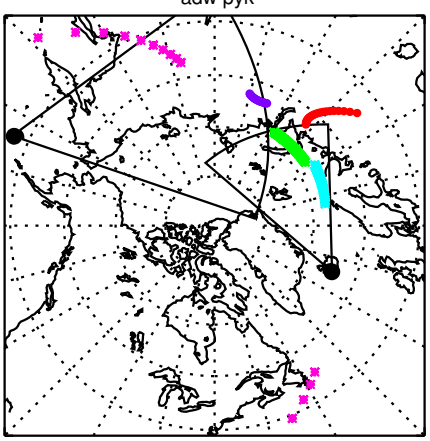
(e) 1945UT to 1945UT
ade cly cvw fhw hok



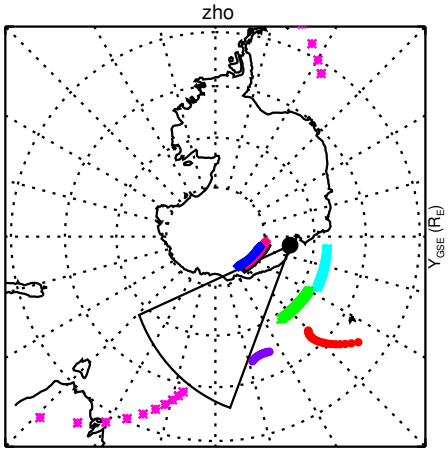


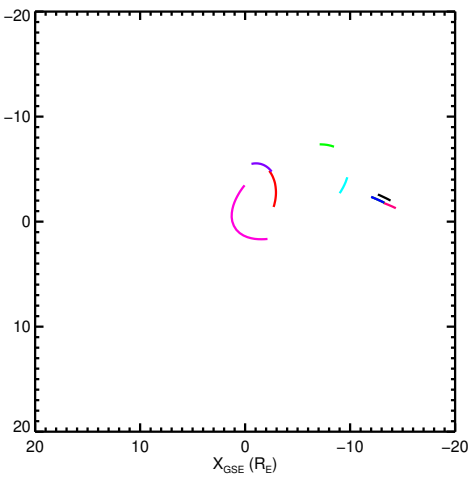


(f) 2150UT to 2355UT
adw pyk



zho

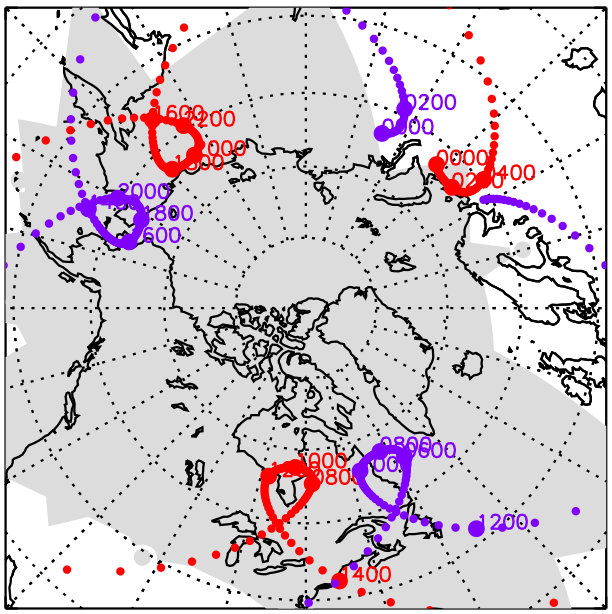


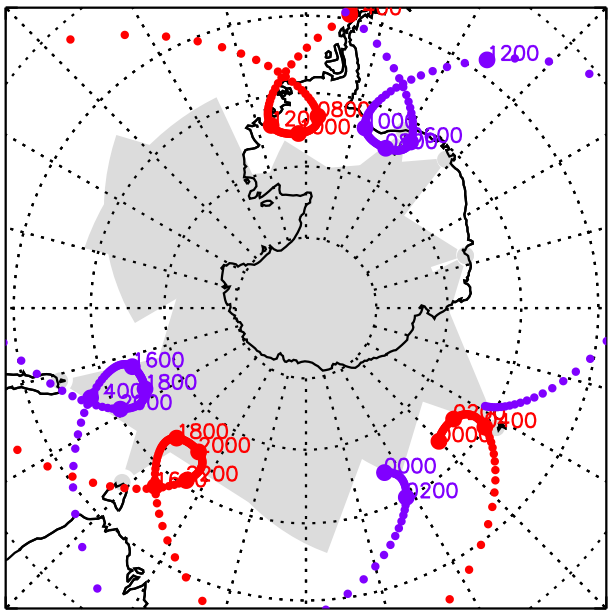


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

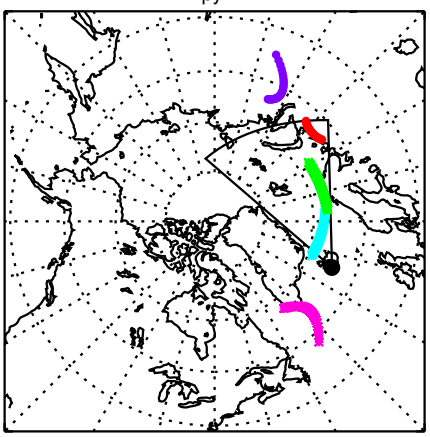
08–Sep–2014

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

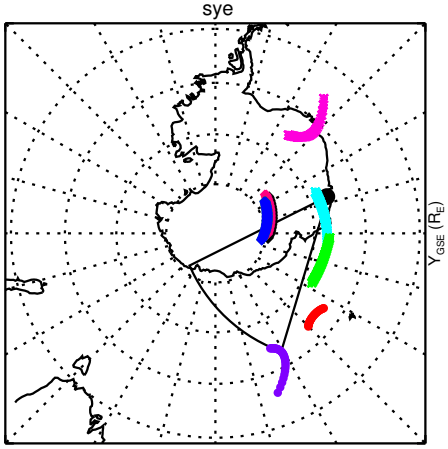


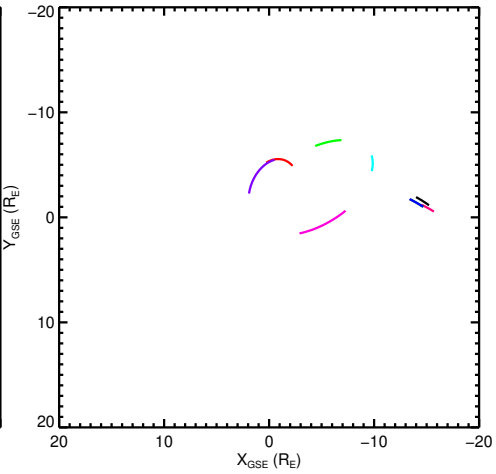


(a) 0000UT to 0235UT
pyk

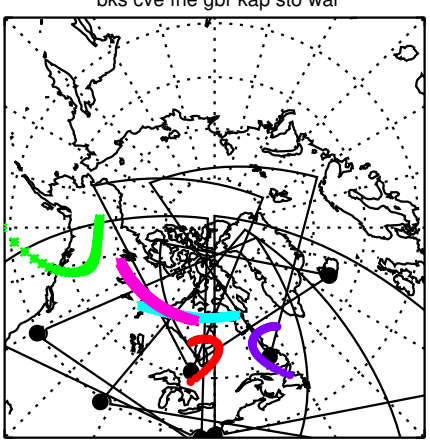


sye

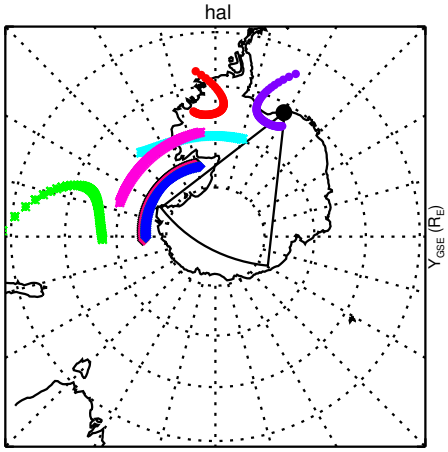


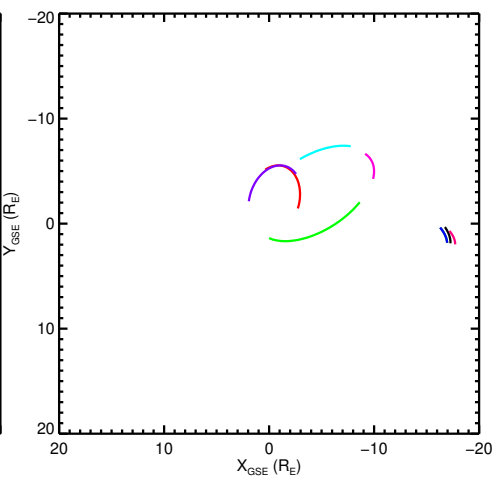


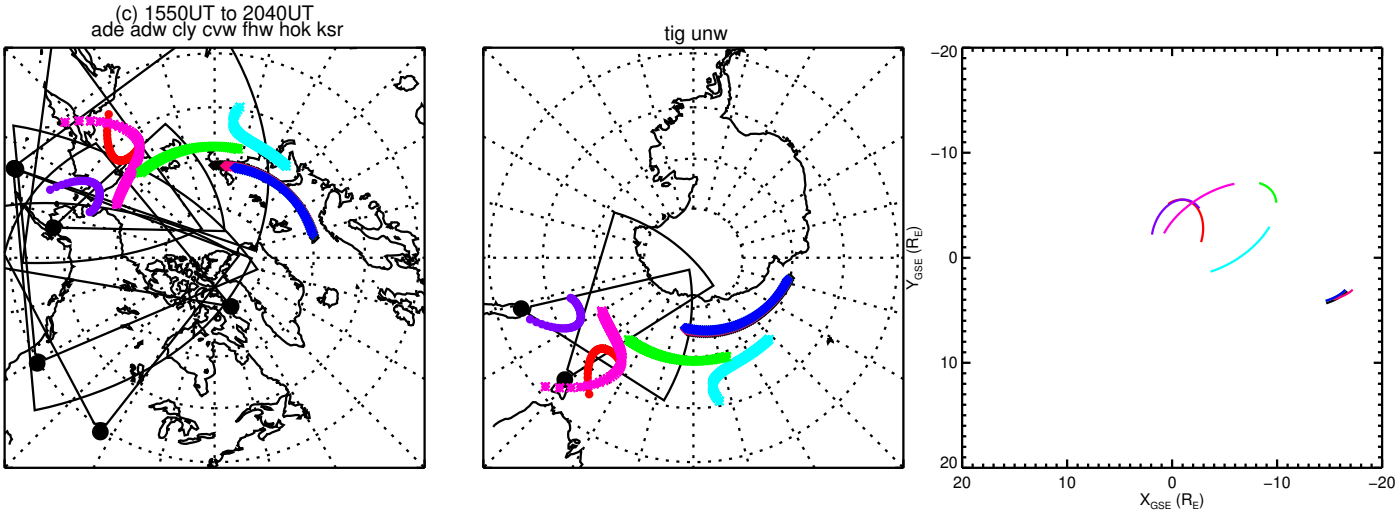
(b) 0650UT to 1140UT
bks cve fhe gbr kap sto wal



hal



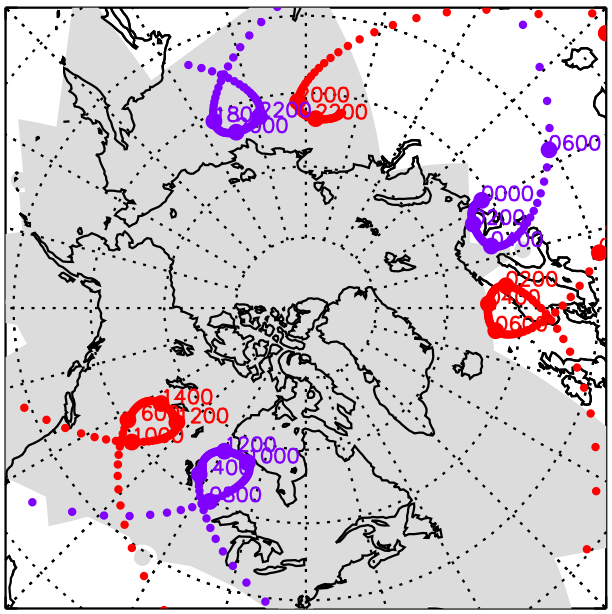


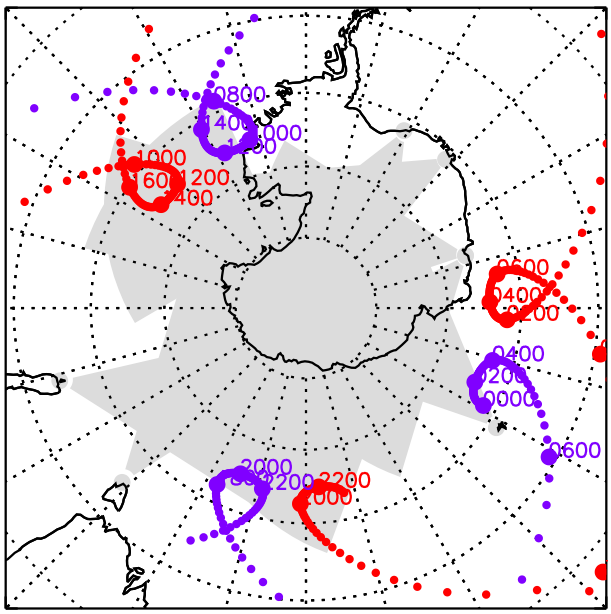

(c) 1550UT to 2040UT
ade adw cly cvw fhw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

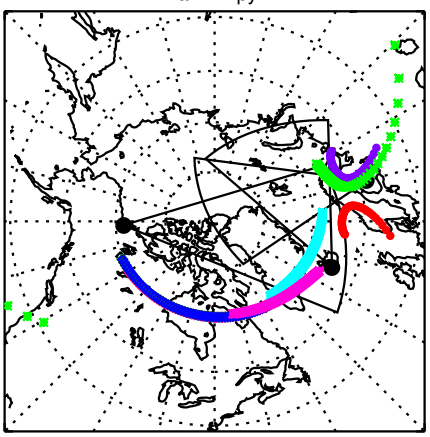
09–Sep–2014

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

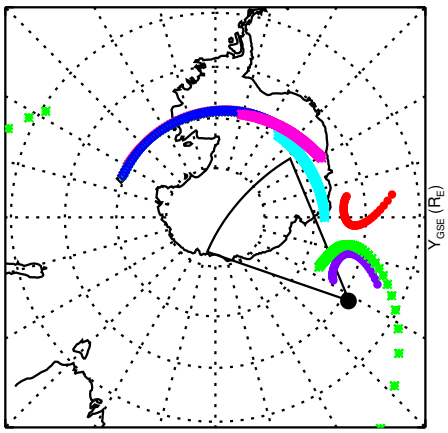


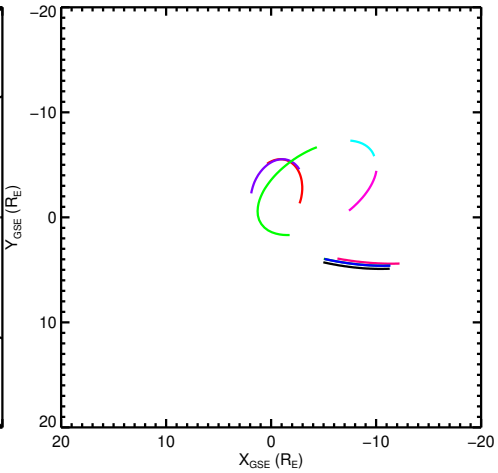


(a) 0045UT to 0540UT
han inv pyk

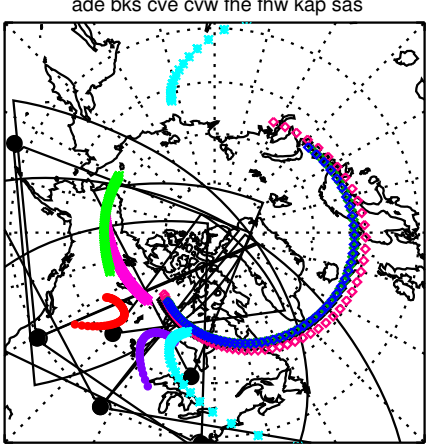


ker

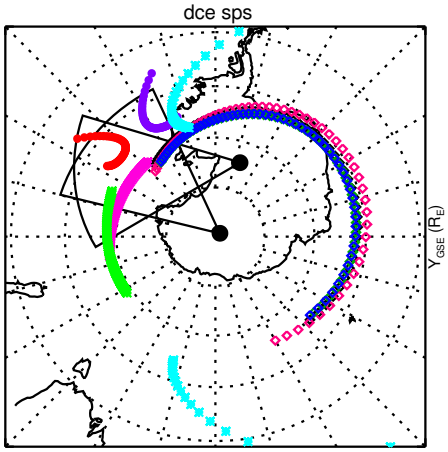


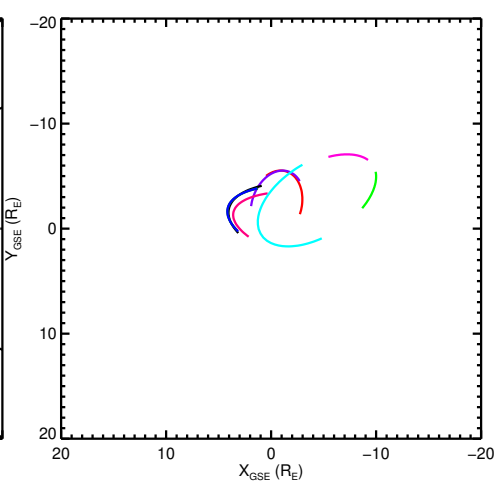


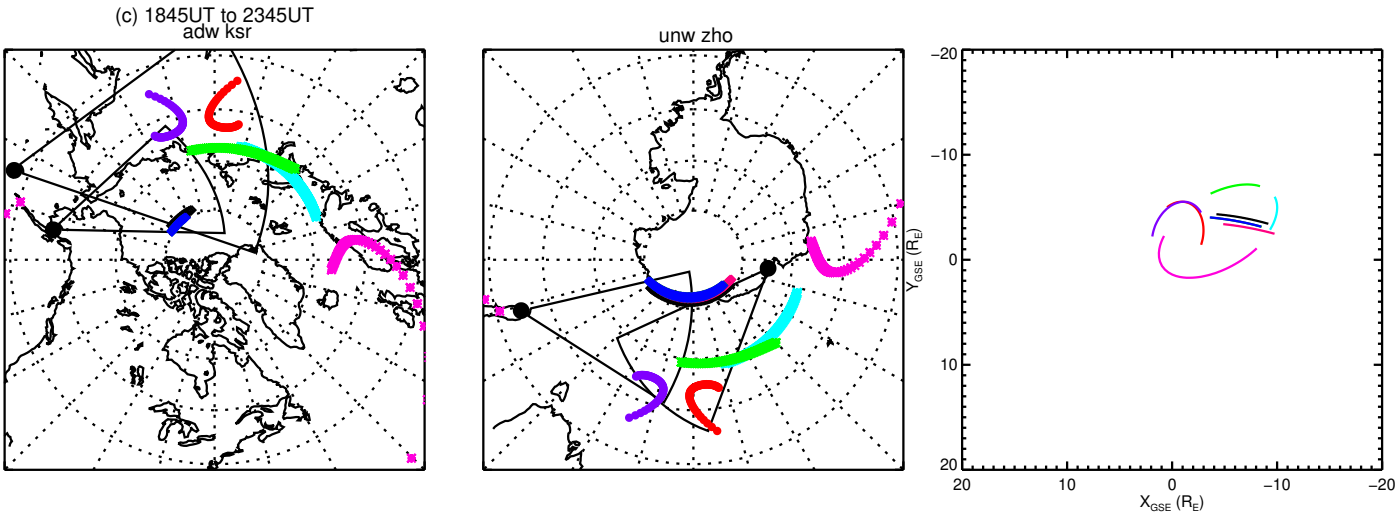
(b) 0945UT to 1445UT
ade bks cve cvw fhe fhw kap sas



dce sps



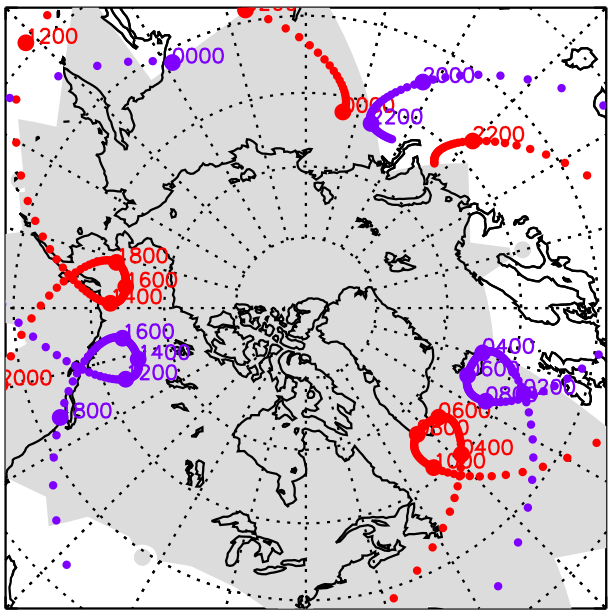


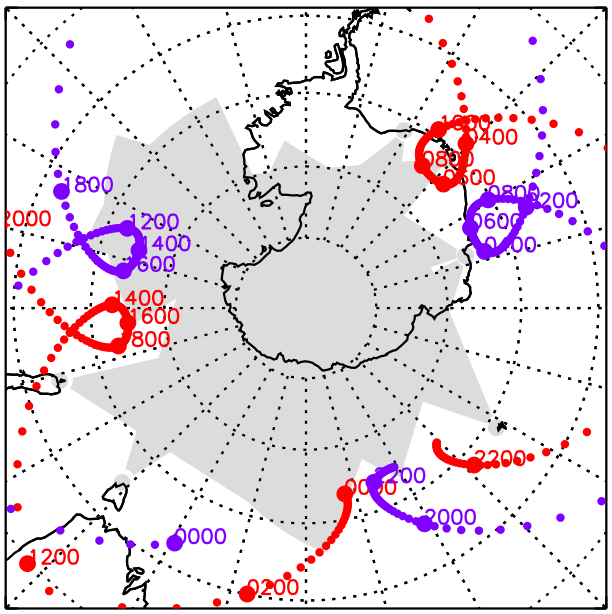

(c) 1845UT to 2345UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

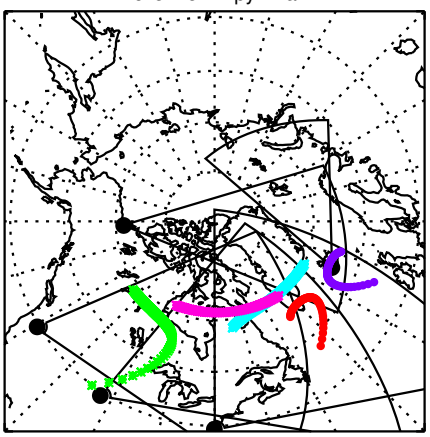
10–Sep–2014

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

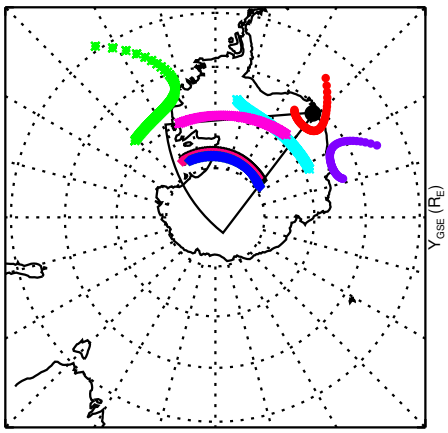


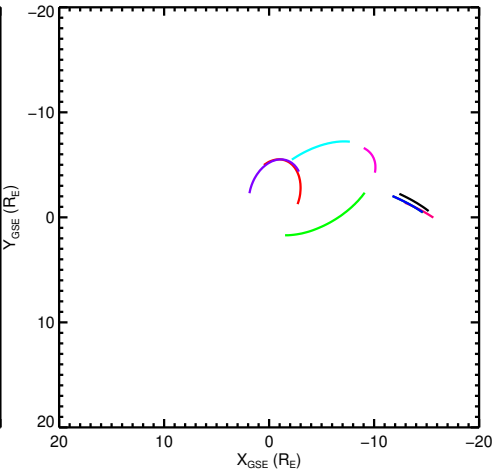


(a) 0340UT to 0845UT
cve fhe inv pyk wal

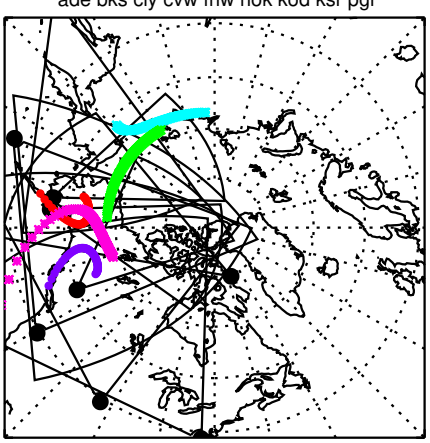


san

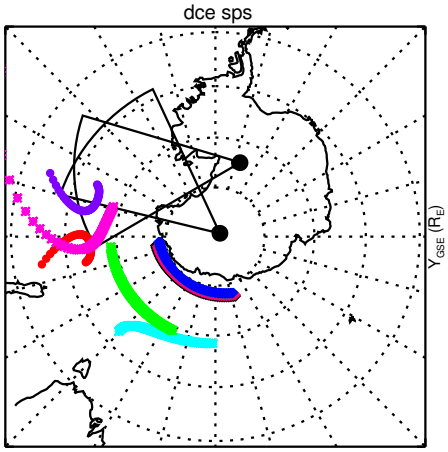


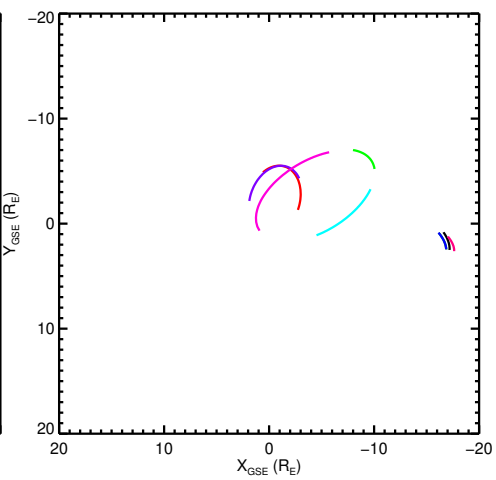


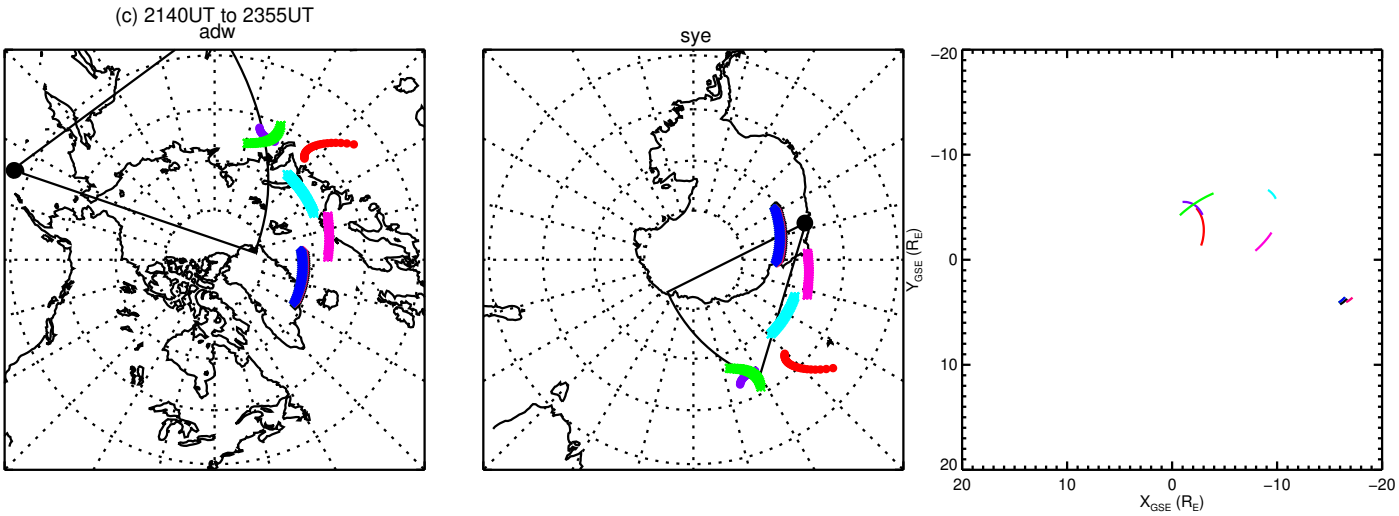
(b) 1240UT to 1750UT
ade bks cly cvw fhw hok kod ksr pgr



dce sps



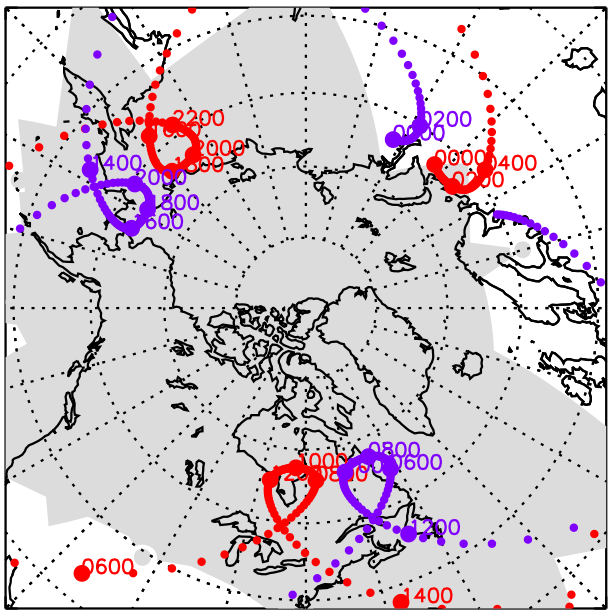


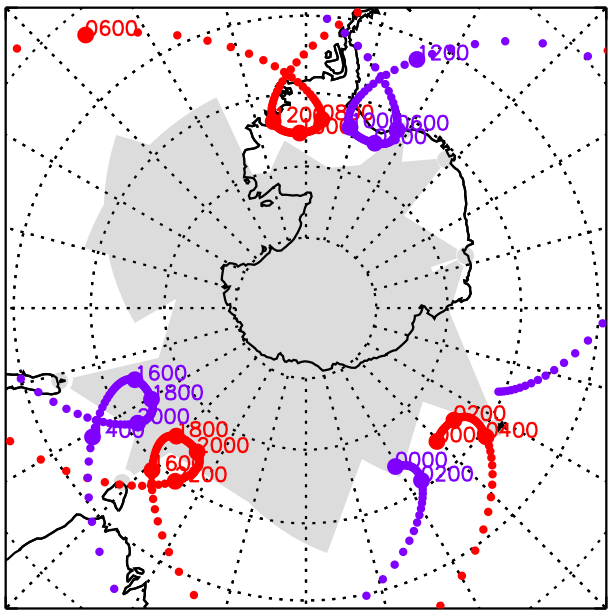

(c) 2140UT to 2355UT
adw
sye
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

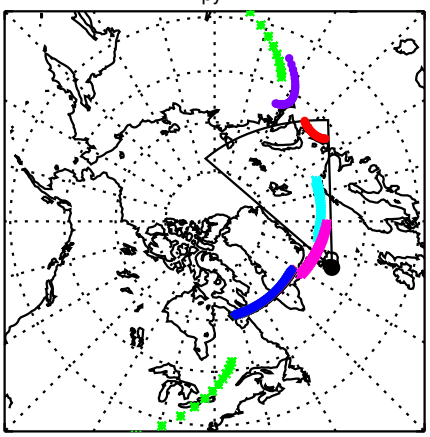
11–Sep–2014

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

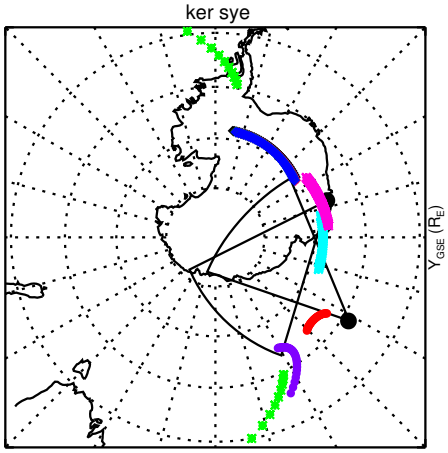


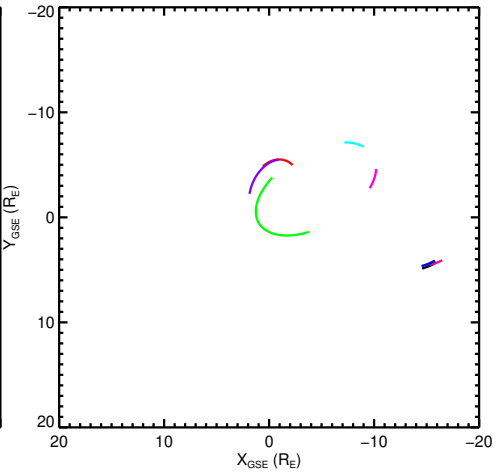


(a) 0000UT to 0250UT
pyk

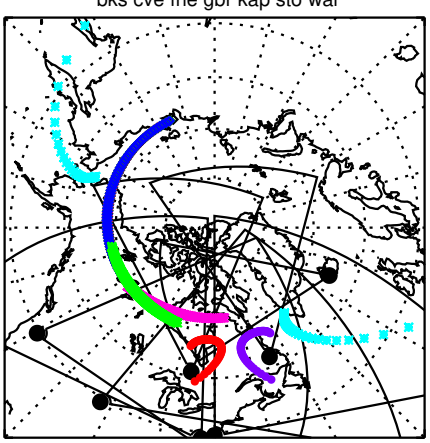


ker sye

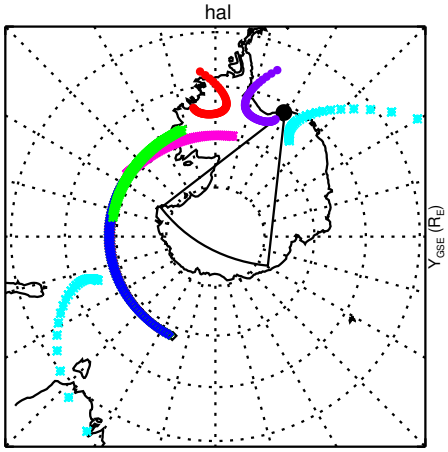


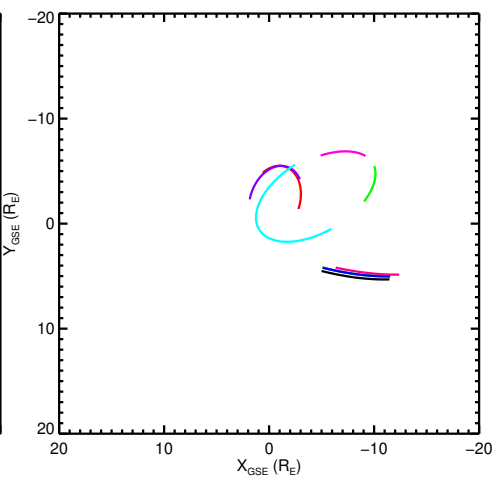


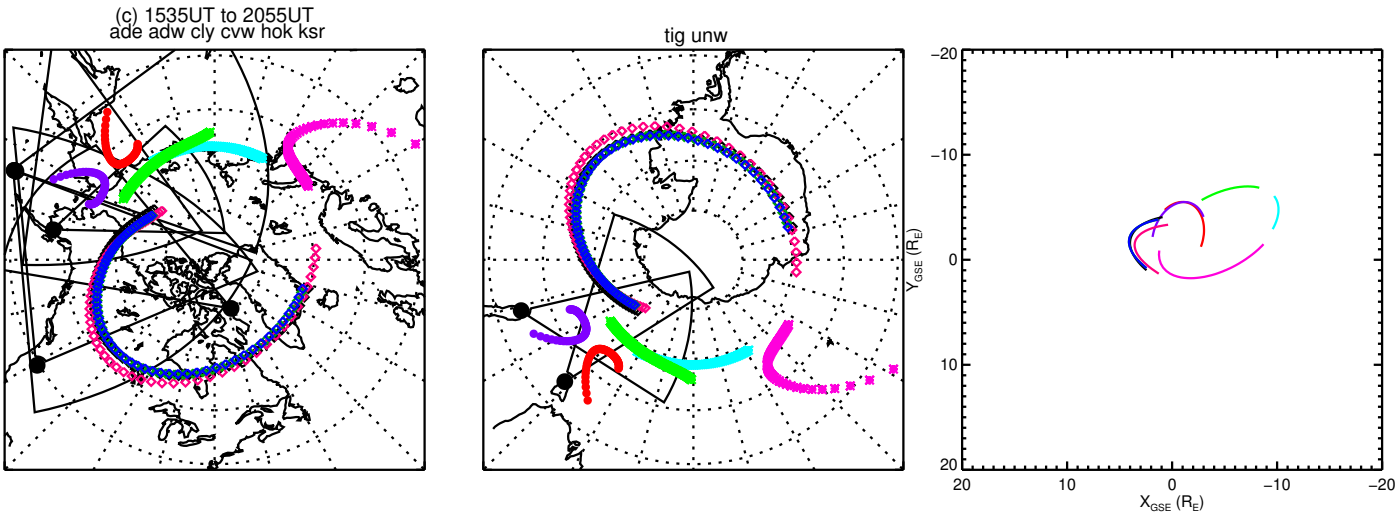
(b) 0640UT to 1150UT
bks cve fhe gbr kap sto wal



hal



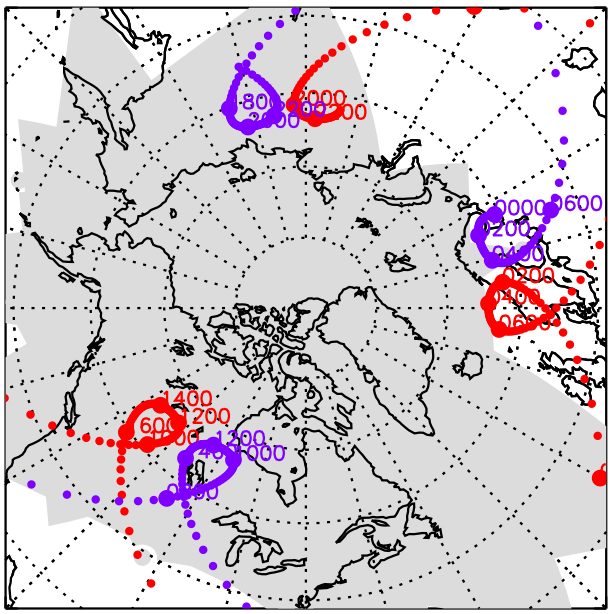


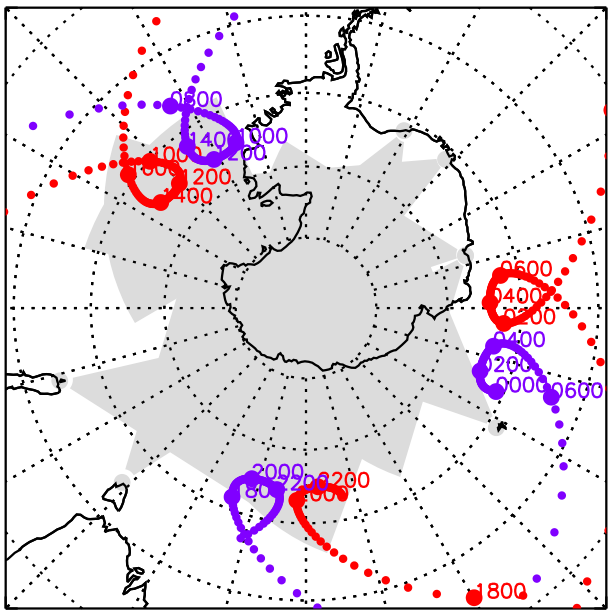

(c) 1535UT to 2055UT
ade adw cly cvw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

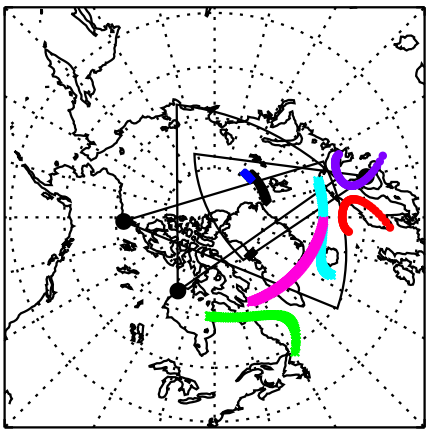
12–Sep–2014

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

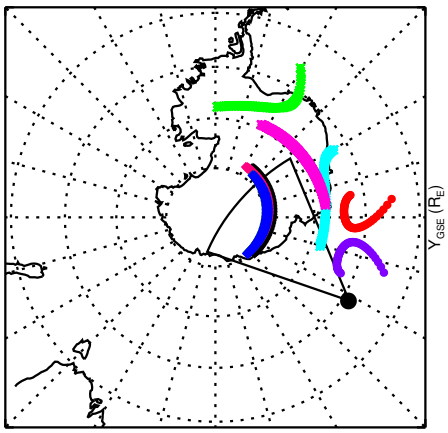


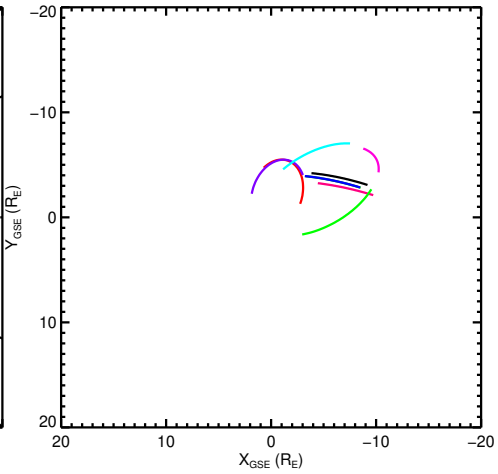


(a) 0035UT to 0555UT
han inv rkn

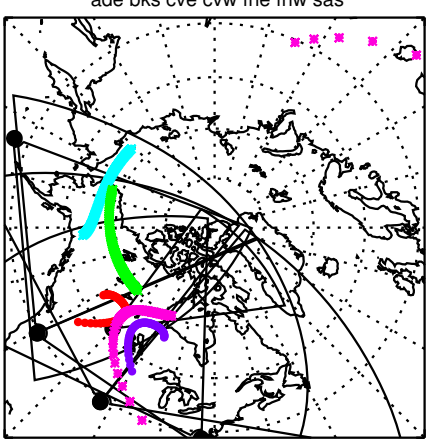


ker

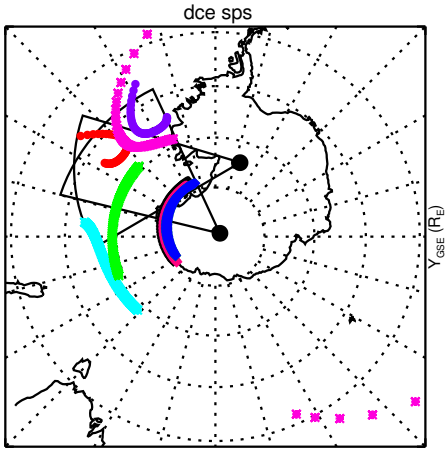


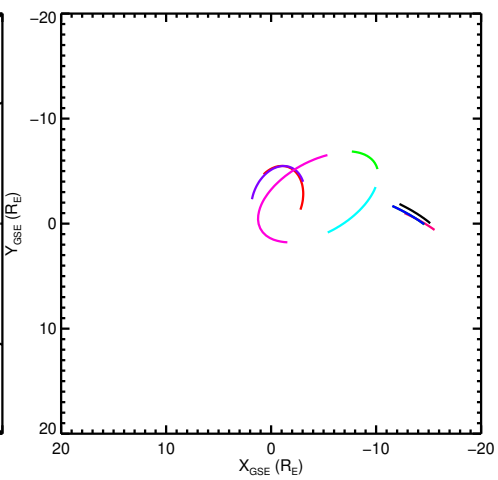


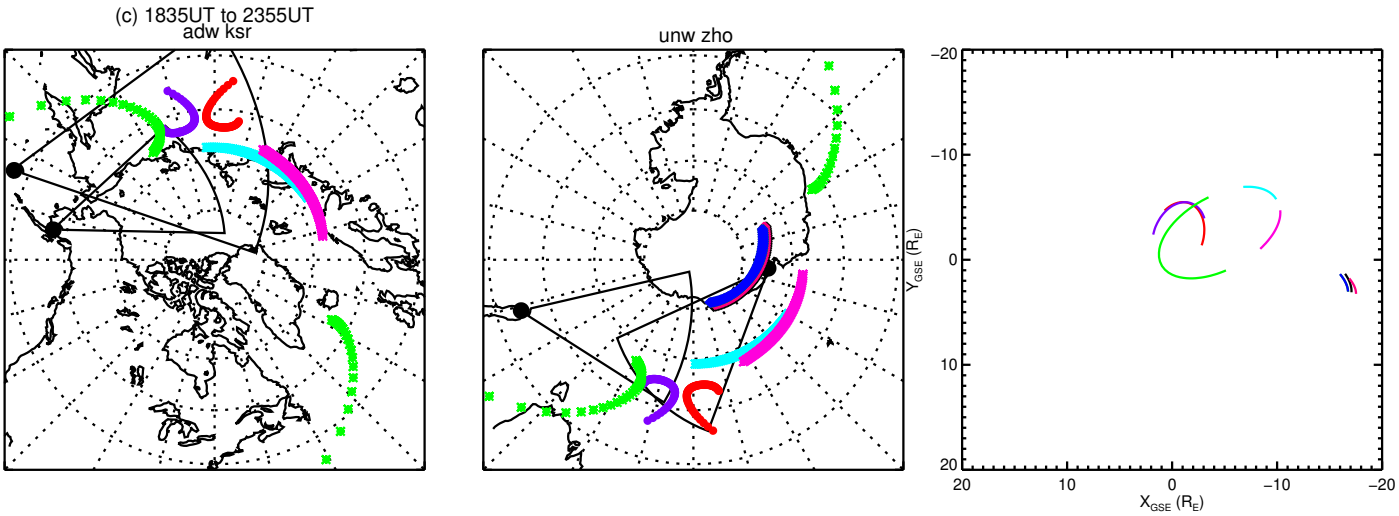
(b) 0935UT to 1455UT
ade bks cve cvw fhe fhw sas



dce sps



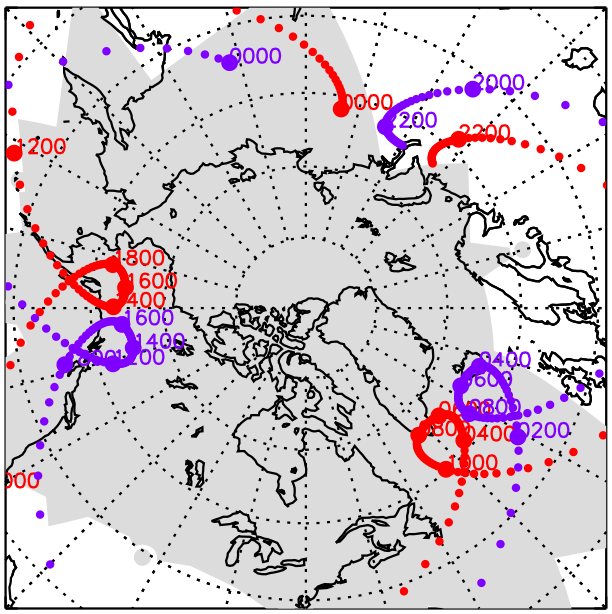


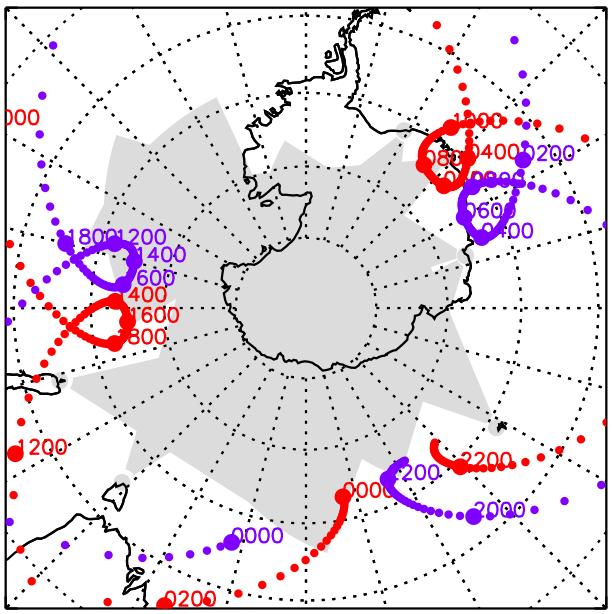

(c) 1835UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

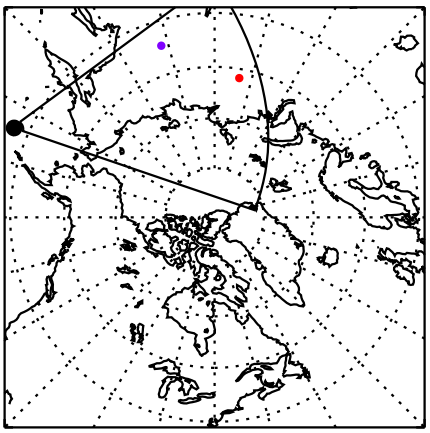
13–Sep–2014

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

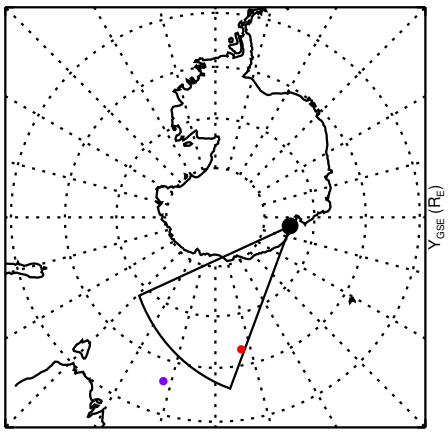


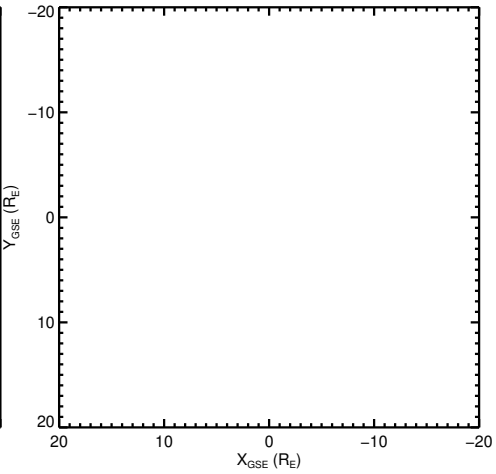


(a) 0000UT to 0000UT
adw

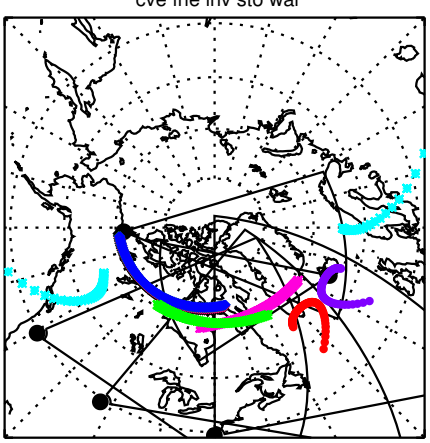


zho

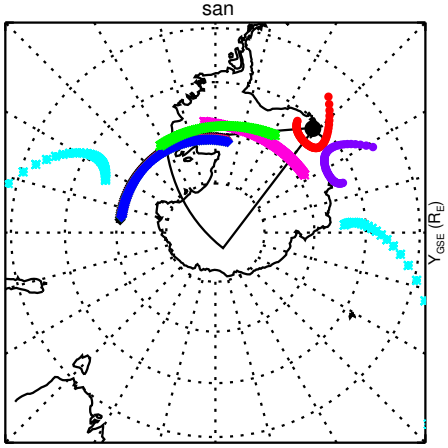


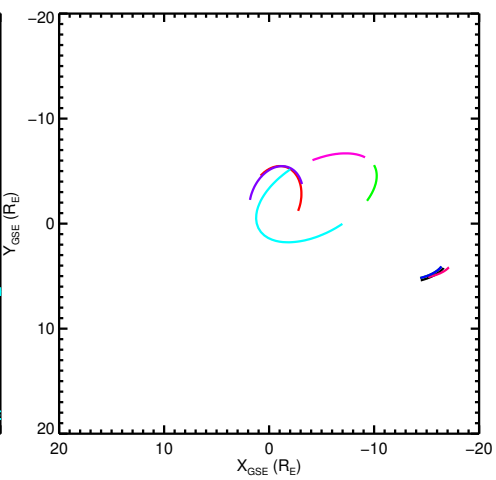


(b) 0330UT to 0900UT
cve fhe inv sto wal

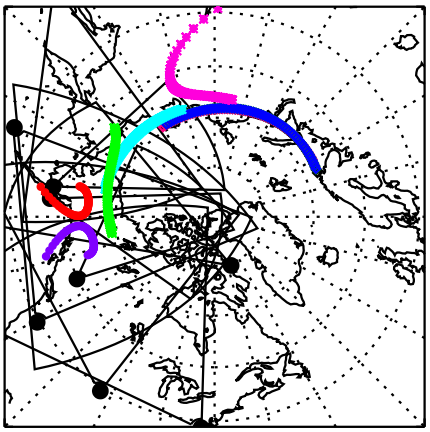


san

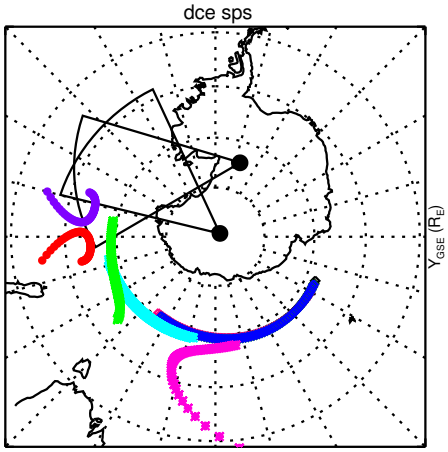


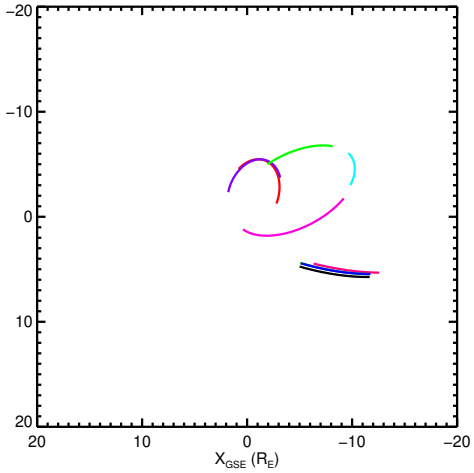


(c) 1230UT to 1800UT
ade bks cly cvw fhw hok kod ksr pgr

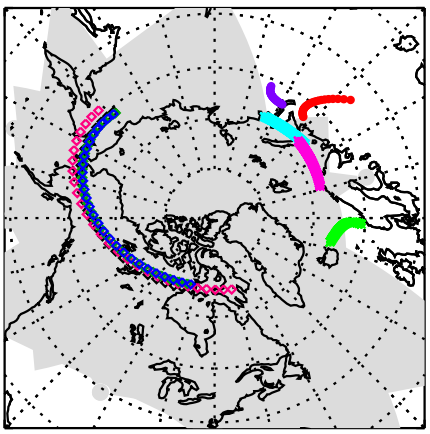


dce sps

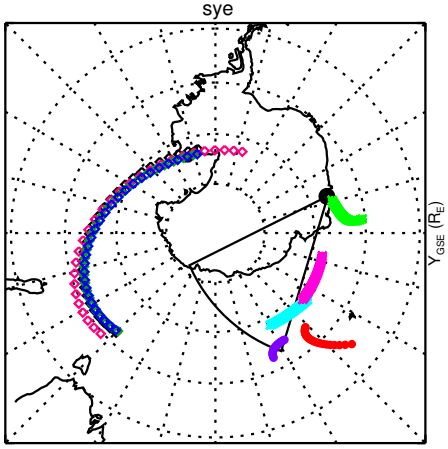


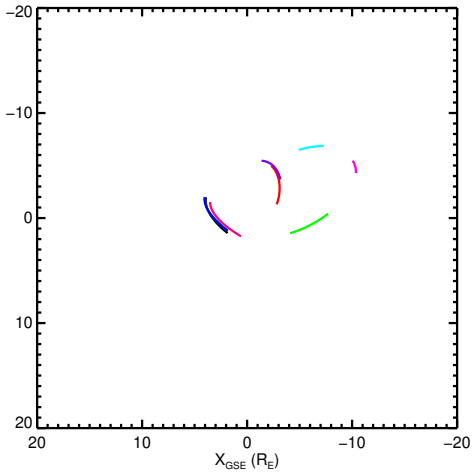


(d) 2130UT to 2355UT



sye

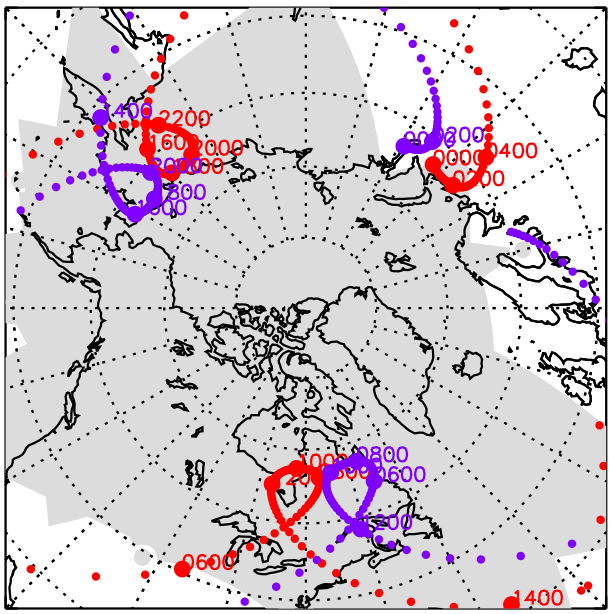


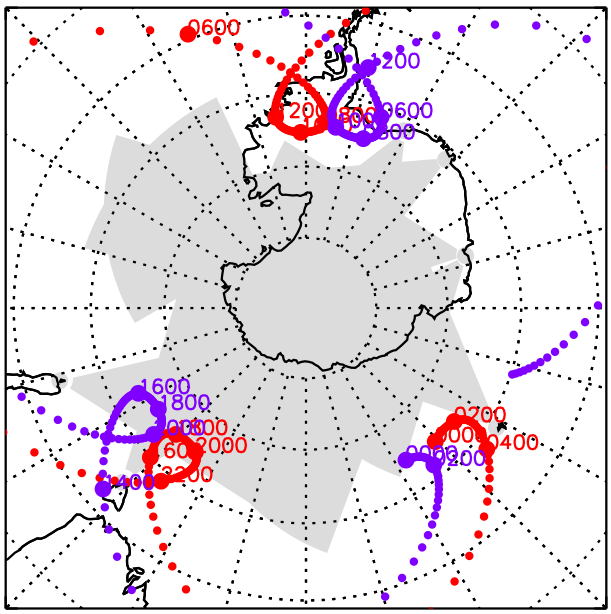


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

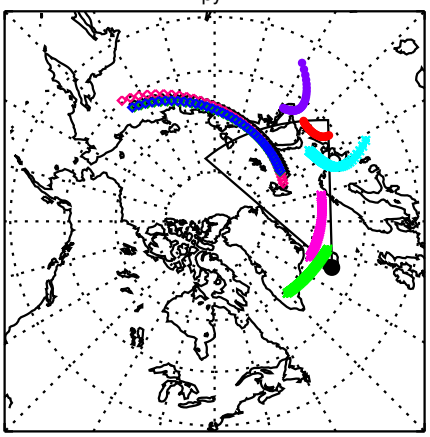
14–Sep–2014

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

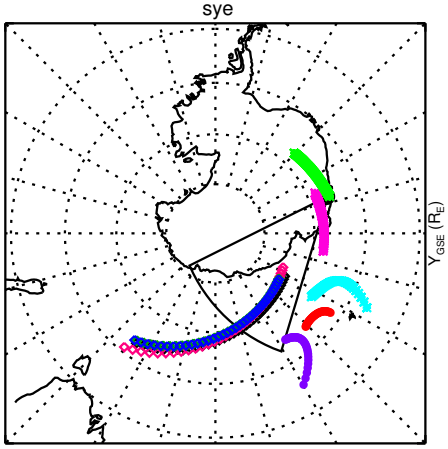


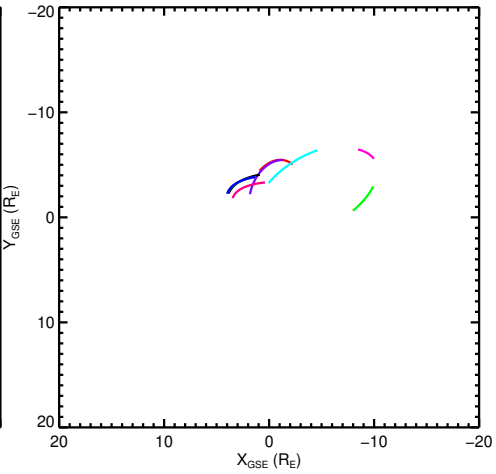


(a) 0000UT to 0305UT
pyk

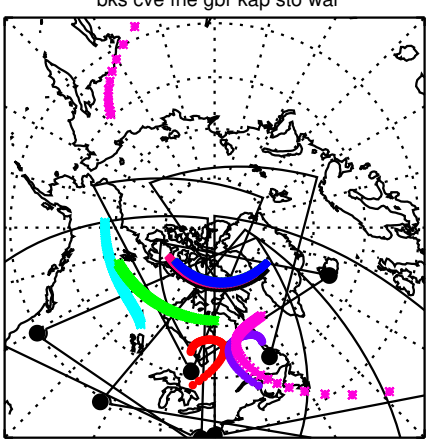


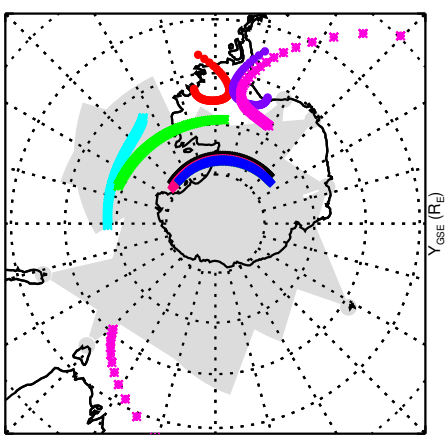
sye

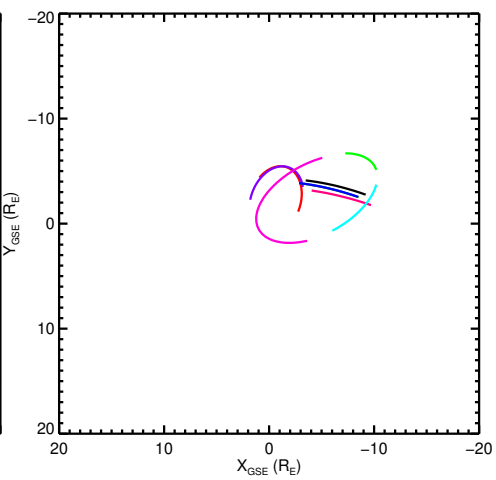


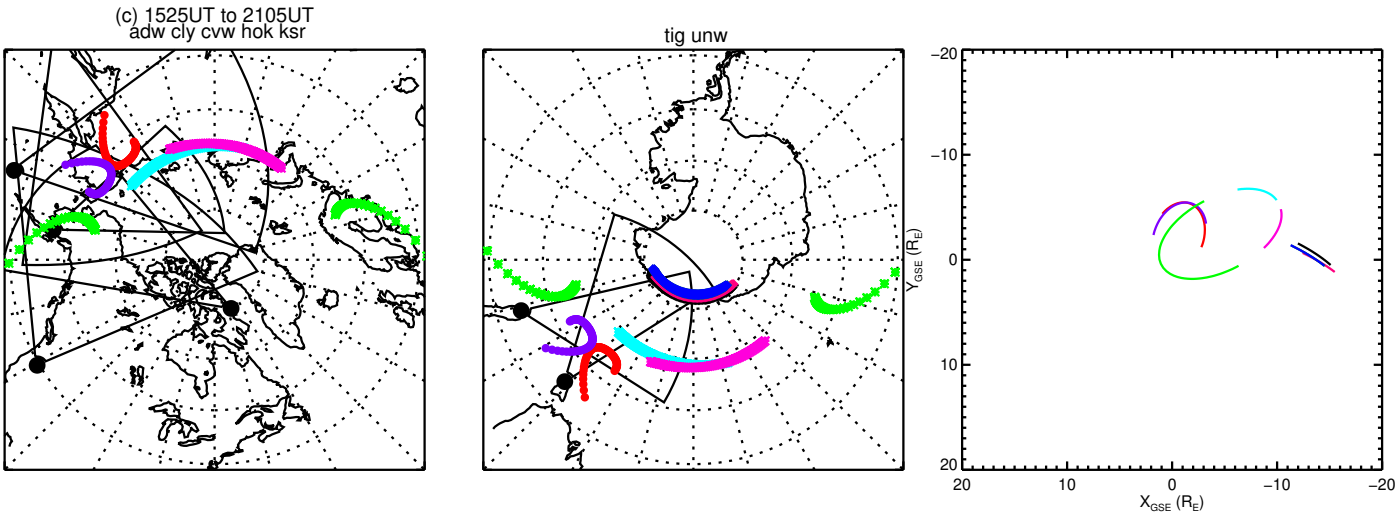


(b) 0625UT to 1205UT
bks cve fhe gbr kap sto wal





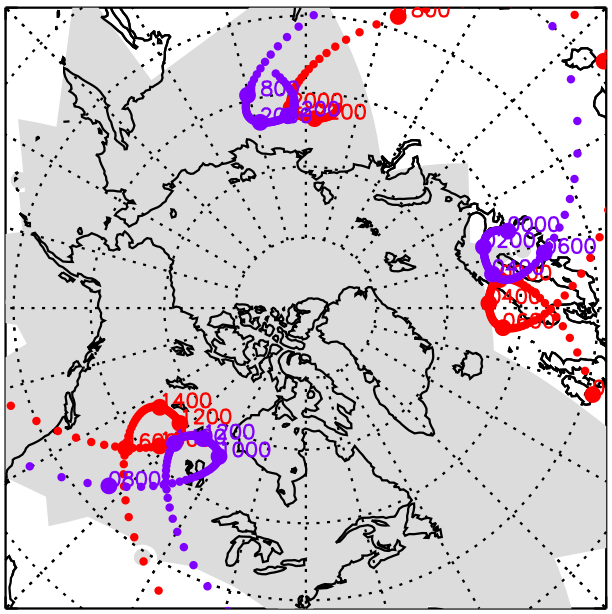


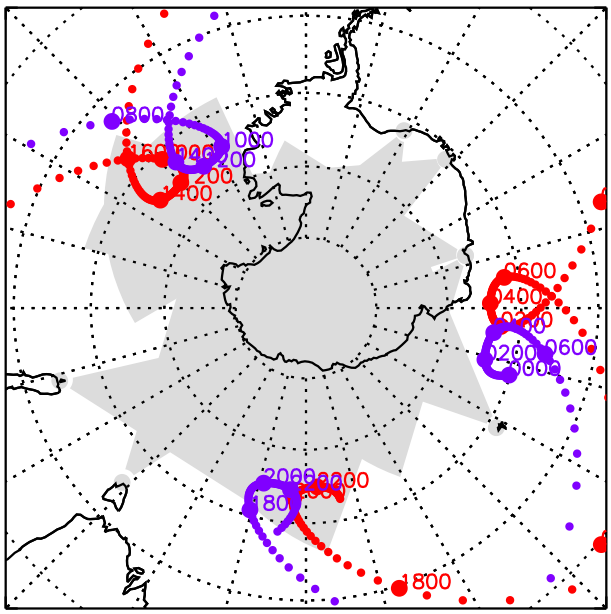

(c) 1525UT to 2105UT
adw cly cvw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

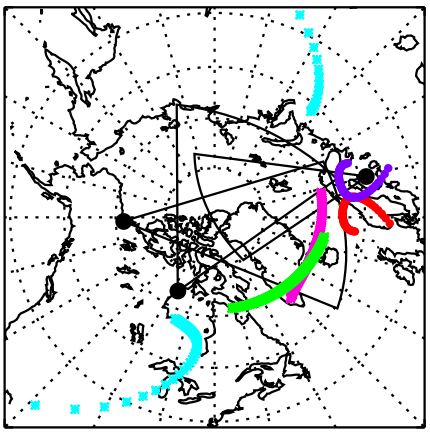
15–Sep–2014

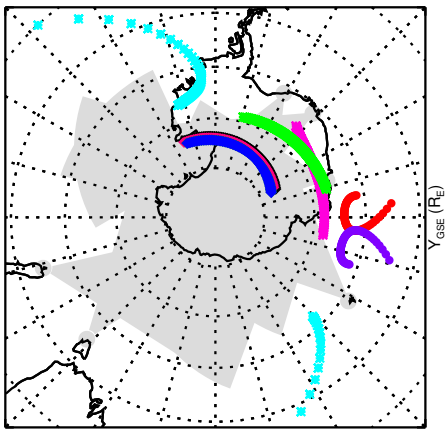
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

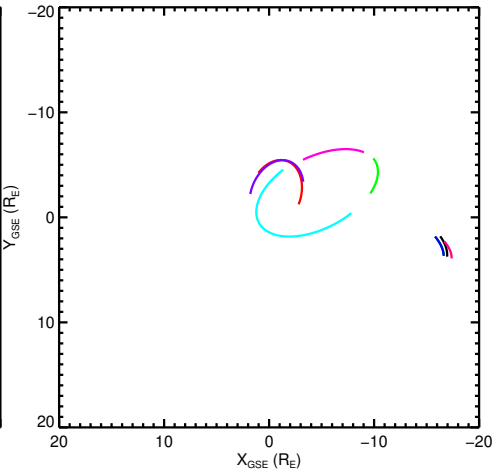




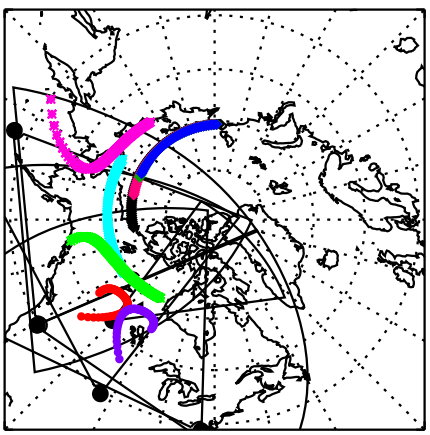
(a) 0025UT to 0610UT
han inv rkn



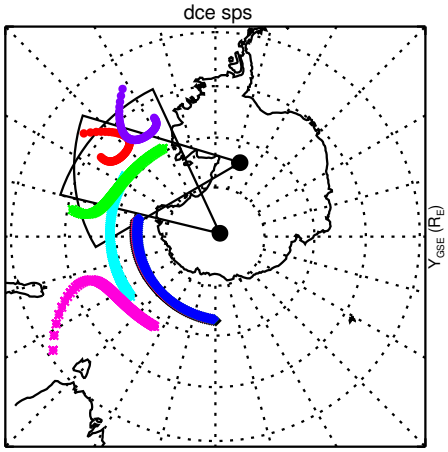


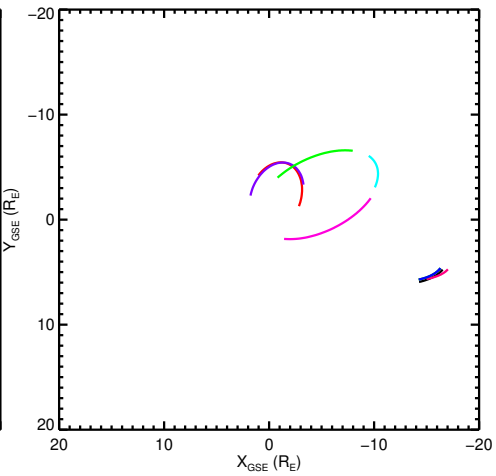


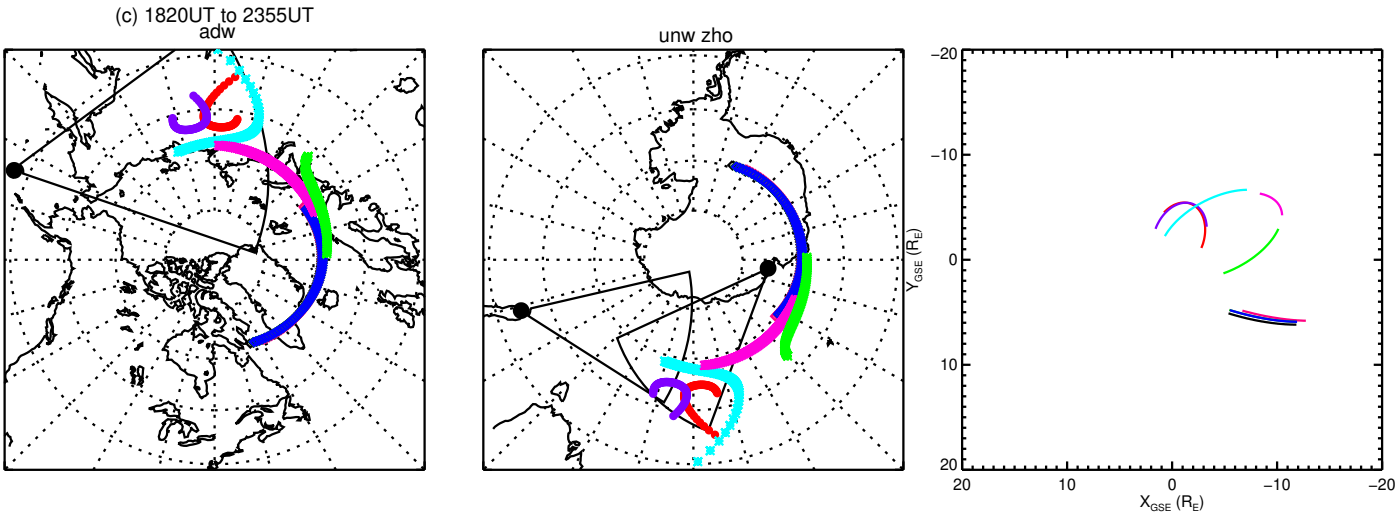
(b) 0925UT to 1510UT
ade bks cve cvw fhw sas



dce sps



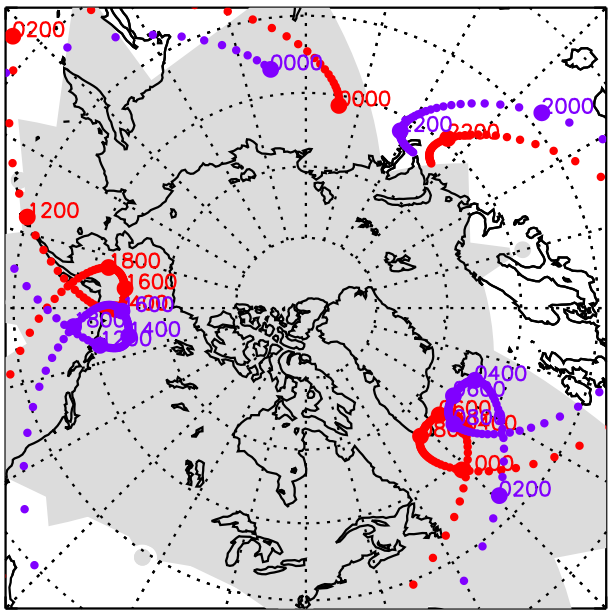


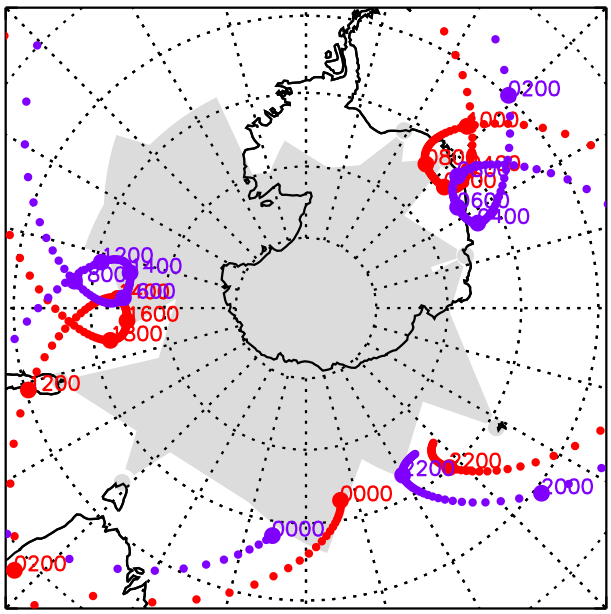

(c) 1820UT to 2355UT
adw
unw zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

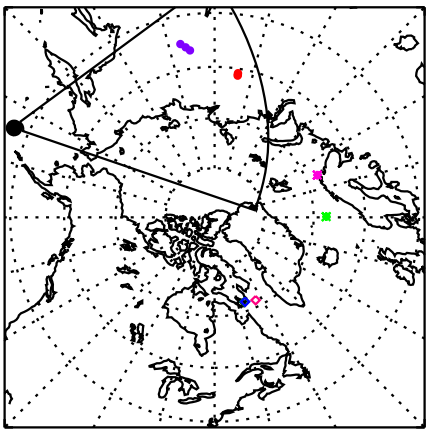
16–Sep–2014

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

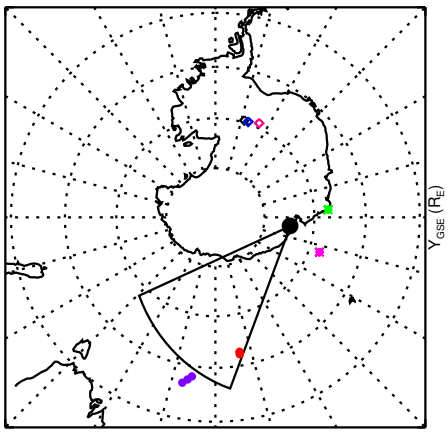


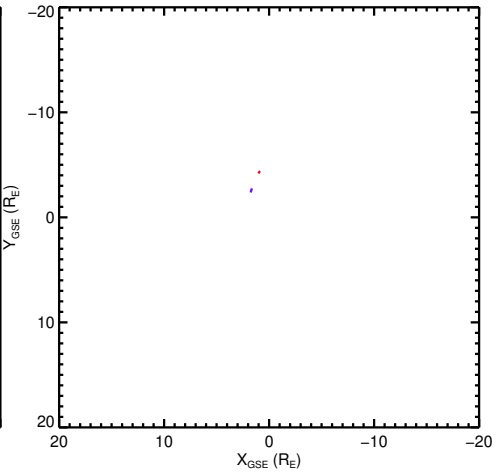


(a) 0000UT to 0010UT
adw

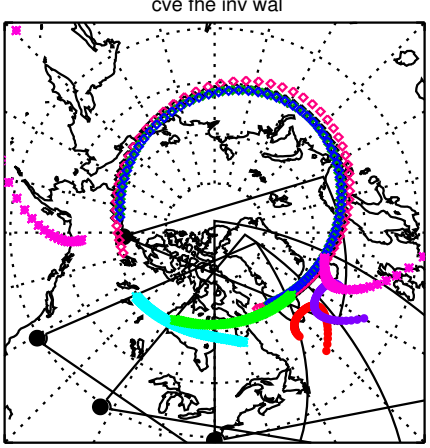


zho

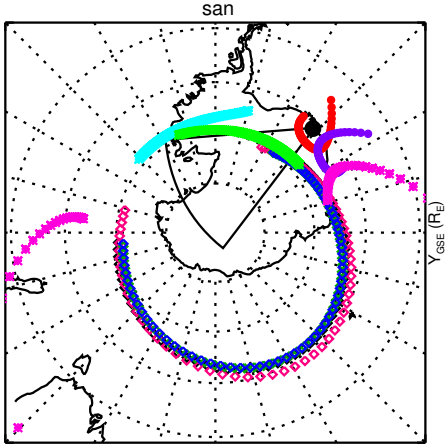


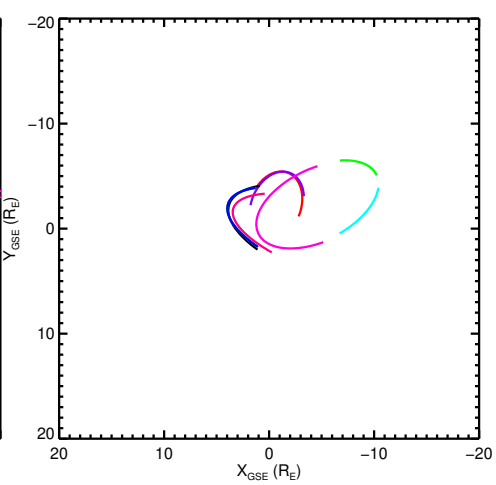


(b) 0320UT to 0915UT
cve fhe inv wal

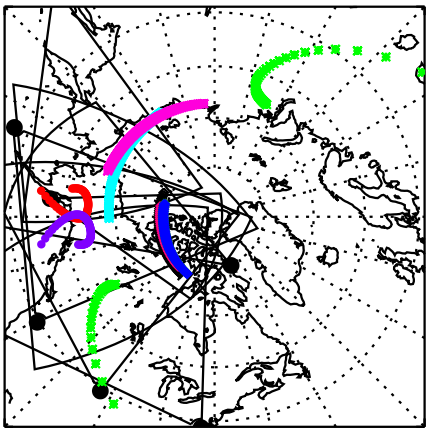


san

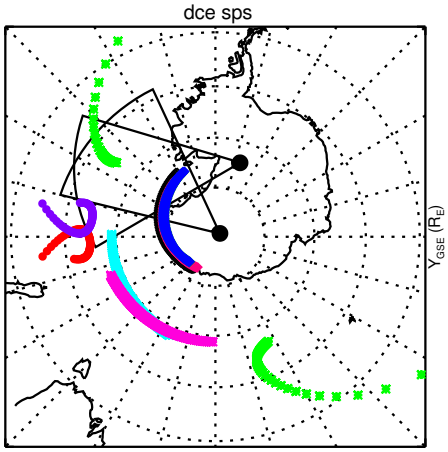


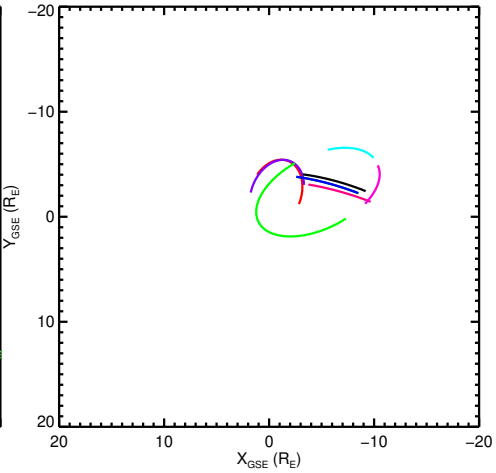


(c) 1220UT to 1815UT
ade bks cly cvw fhw hok kod

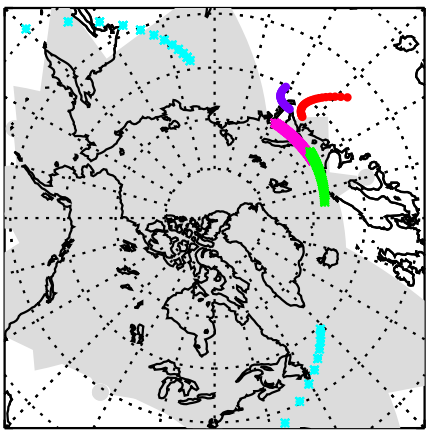


dce sps

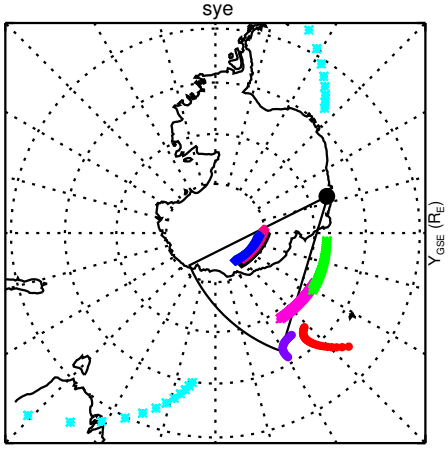


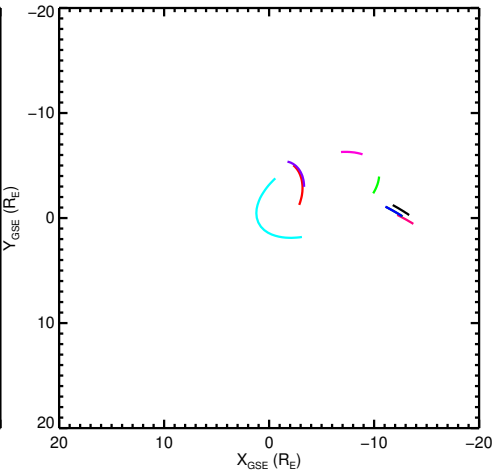


(d) 2120UT to 2355UT



sye

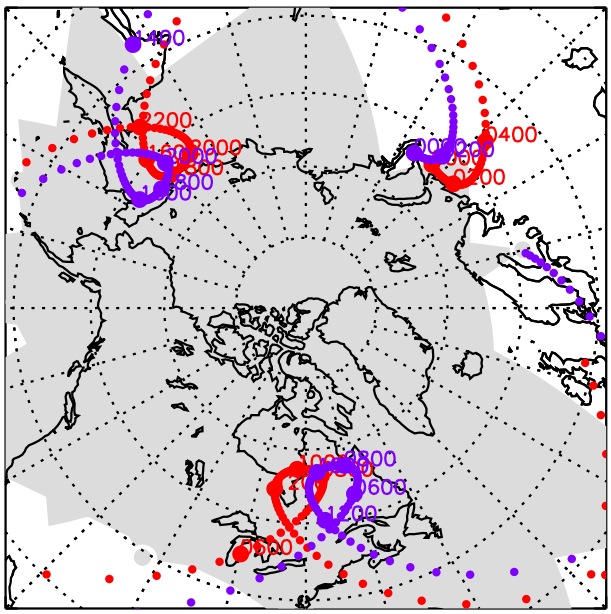


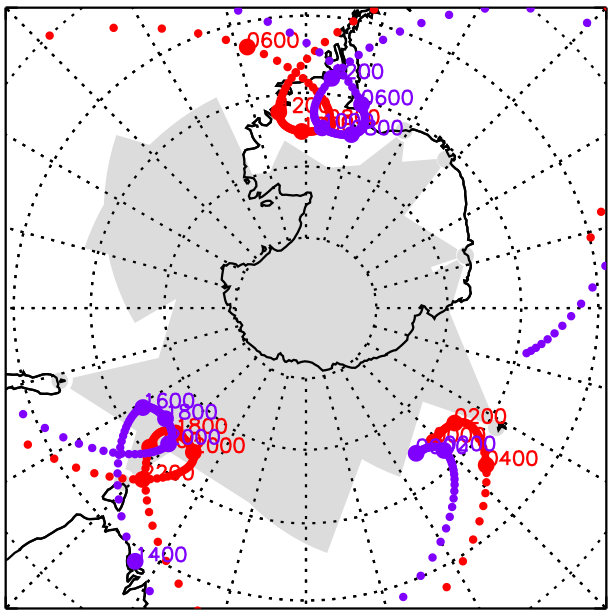


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

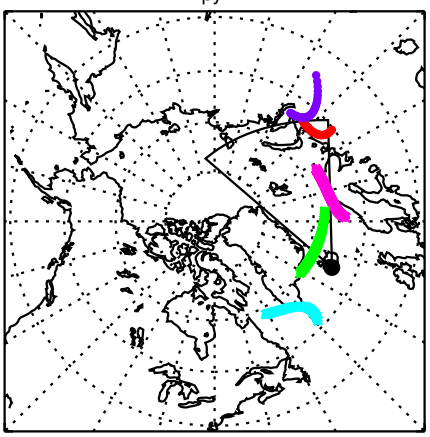
17−Sep−2014

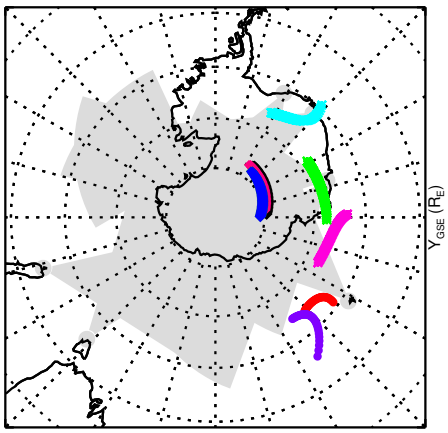
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

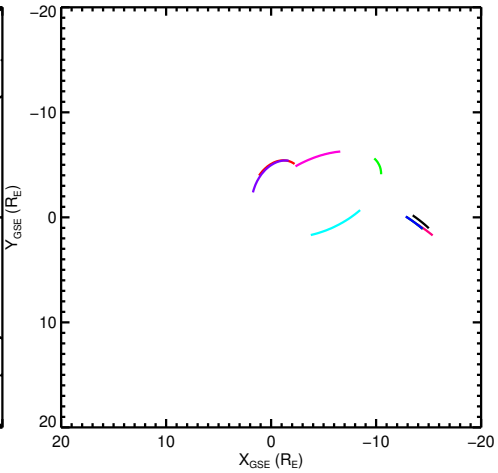




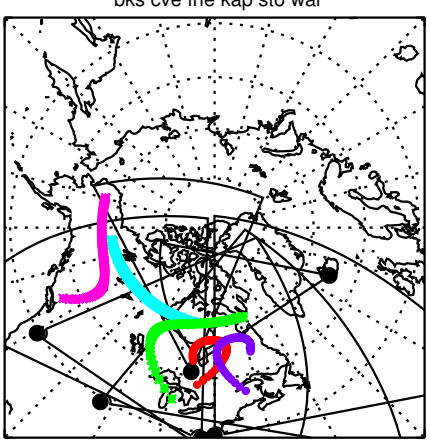
(a) 0000UT to 0315UT
pyk

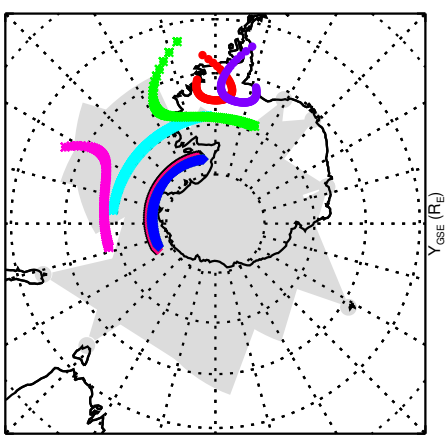


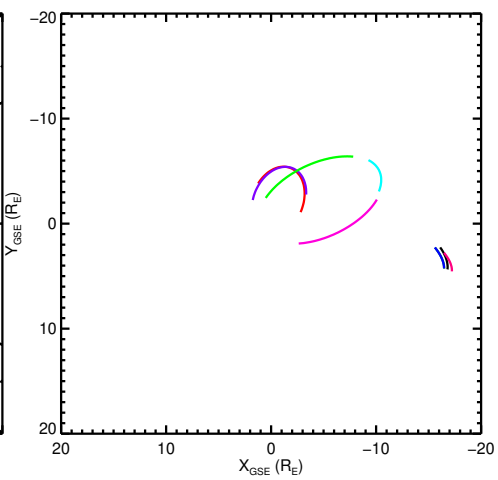


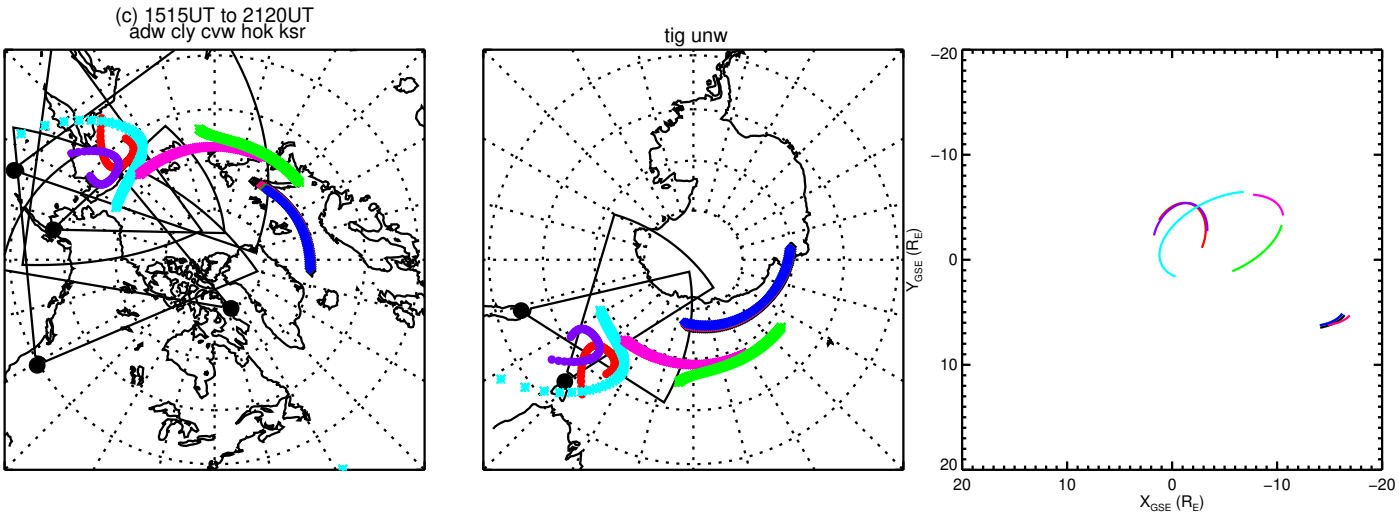


(b) 0615UT to 1220UT
bks cve fhe kap sto wal





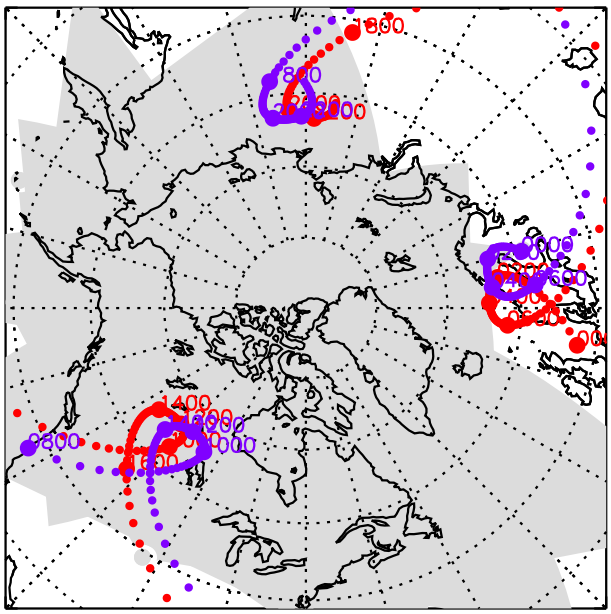


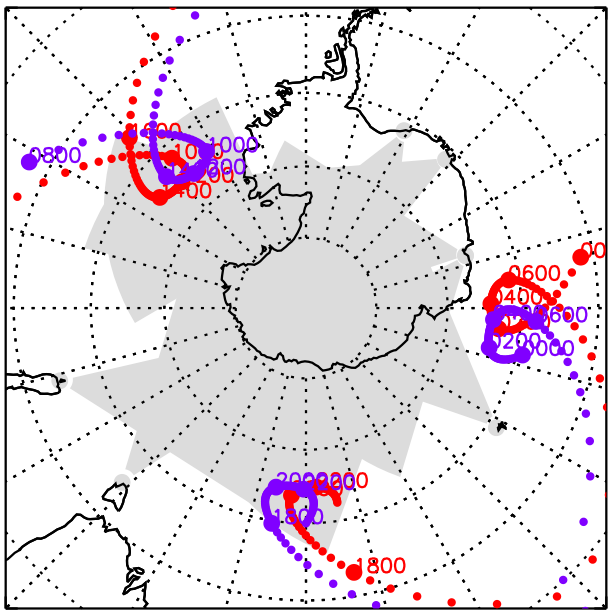

(c) 1515UT to 2120UT
adw cly cvw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

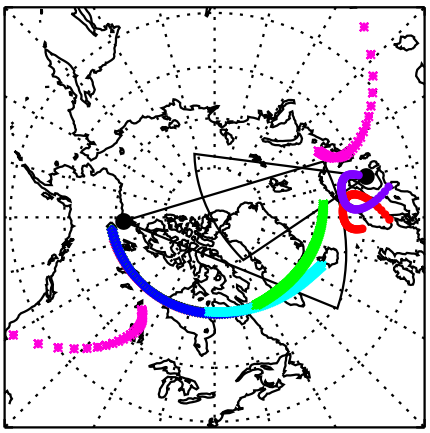
18–Sep–2014

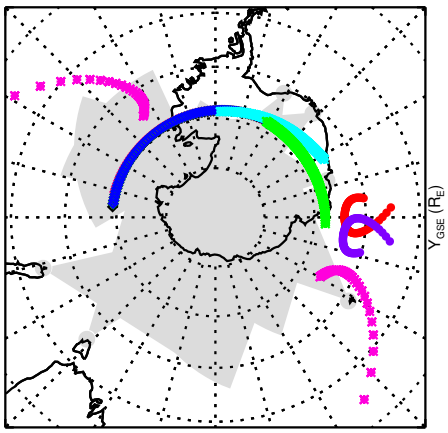
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

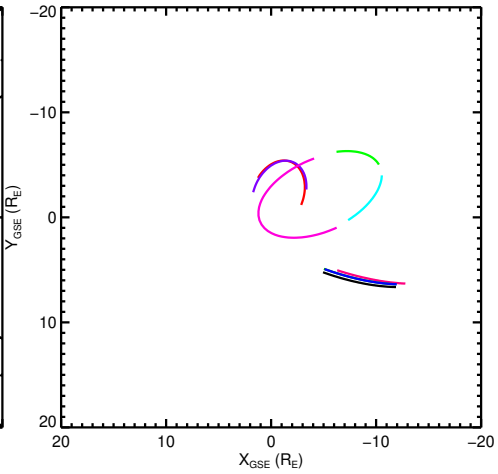




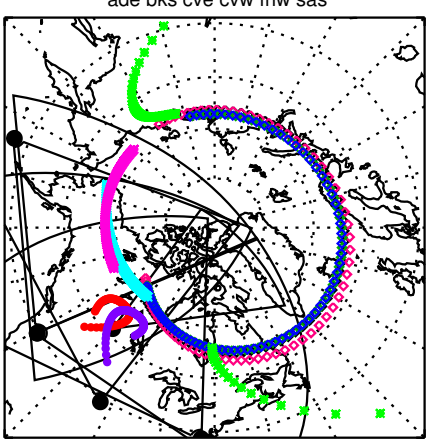
(a) 0015UT to 0620UT
han inv



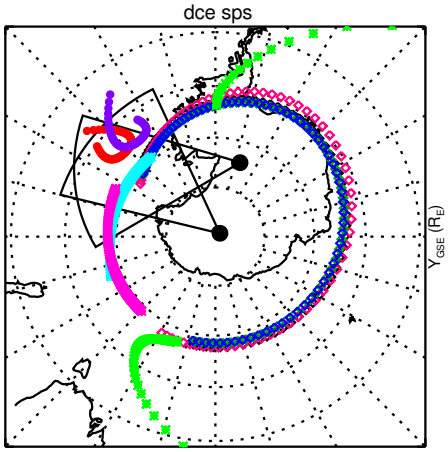


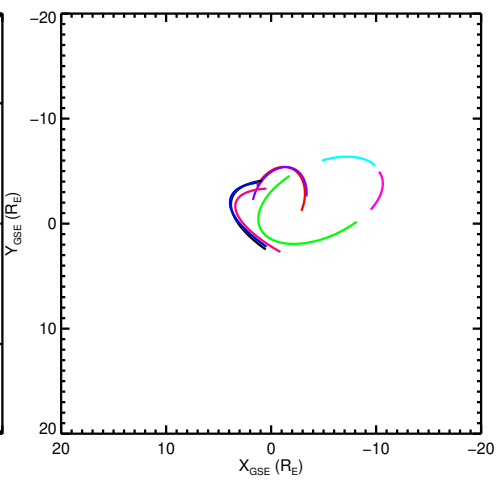


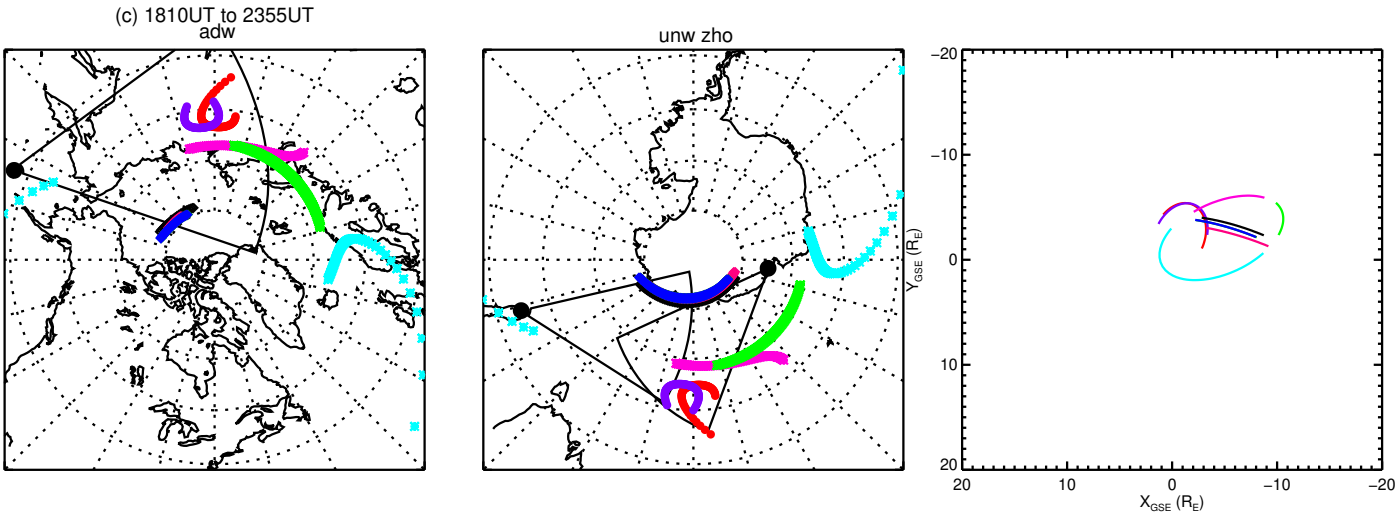
(b) 0915UT to 1525UT
ade bks cve cvw fhw sas



dce sps



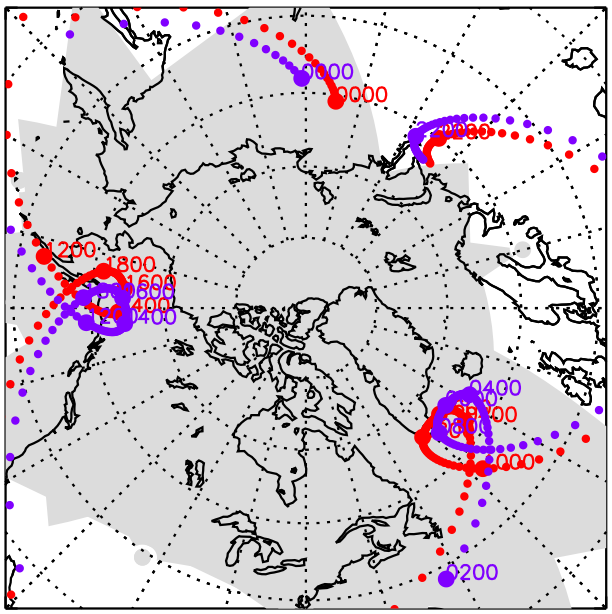


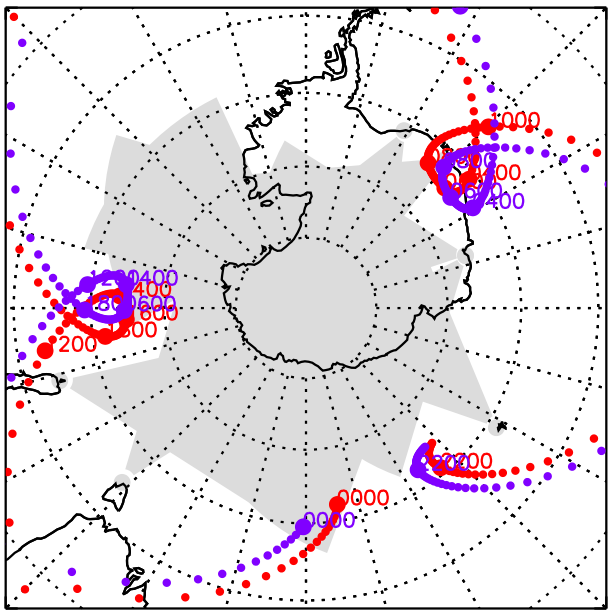

(c) 1810UT to 2355UT
adw
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

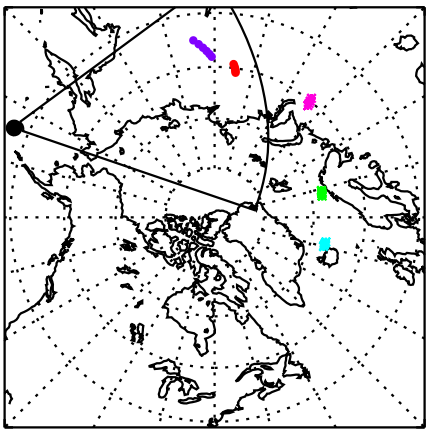
19–Sep–2014

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

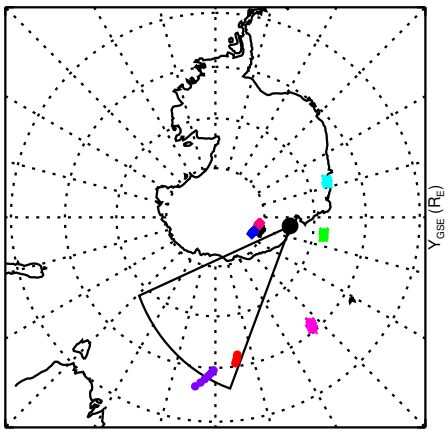


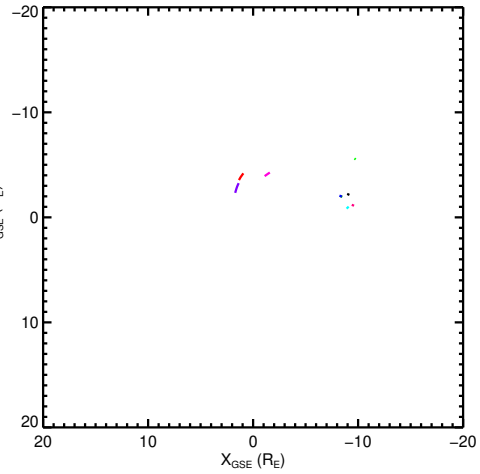


(a) 0000UT to 0025UT
adw

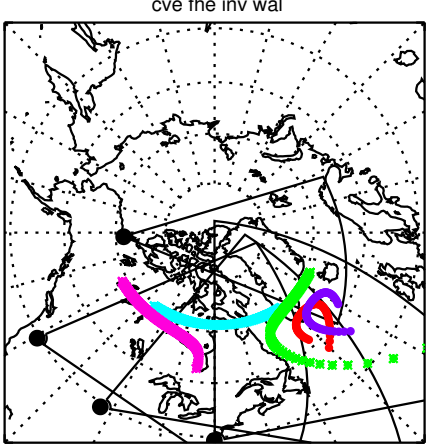


zho

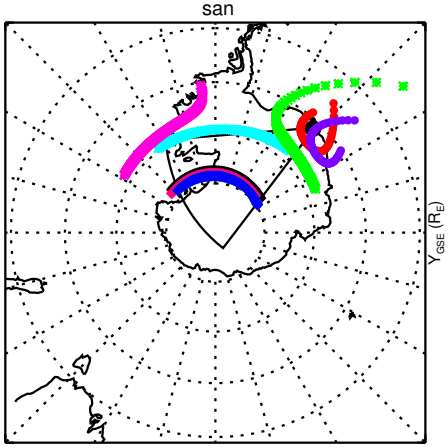


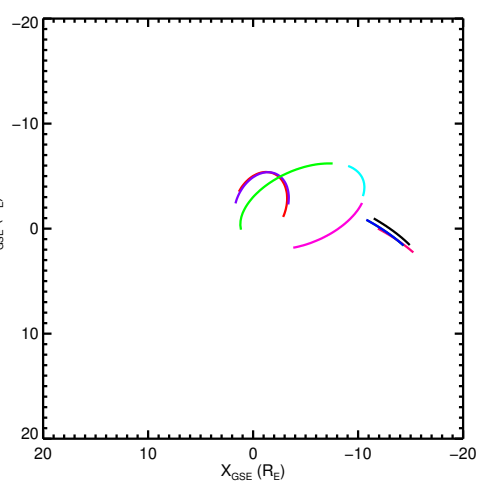


(b) 0310UT to 0925UT
cve fhe inv wal



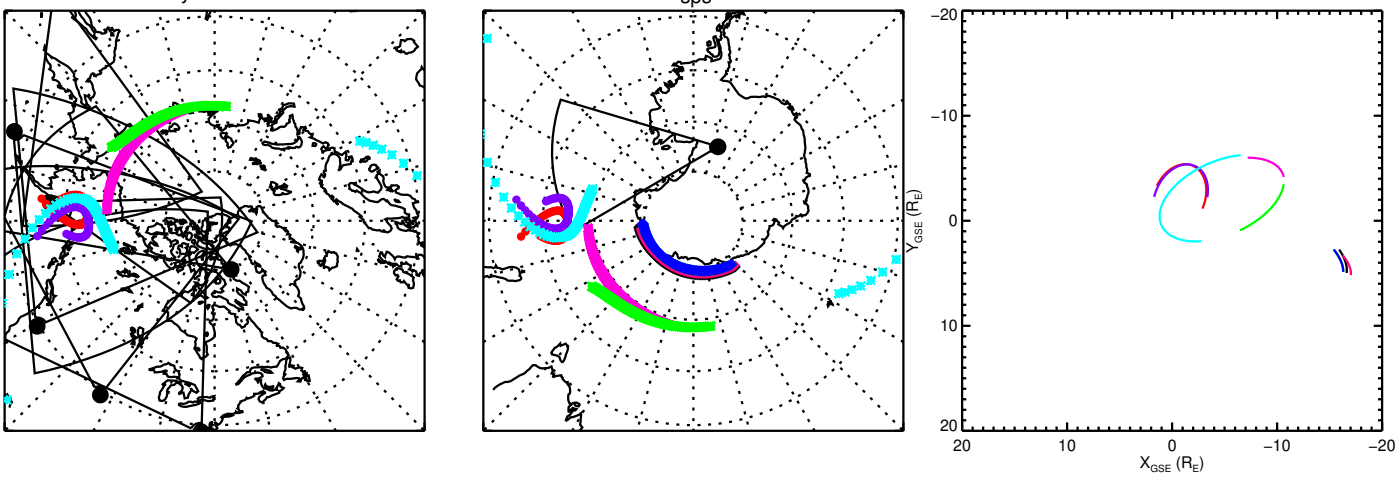
san



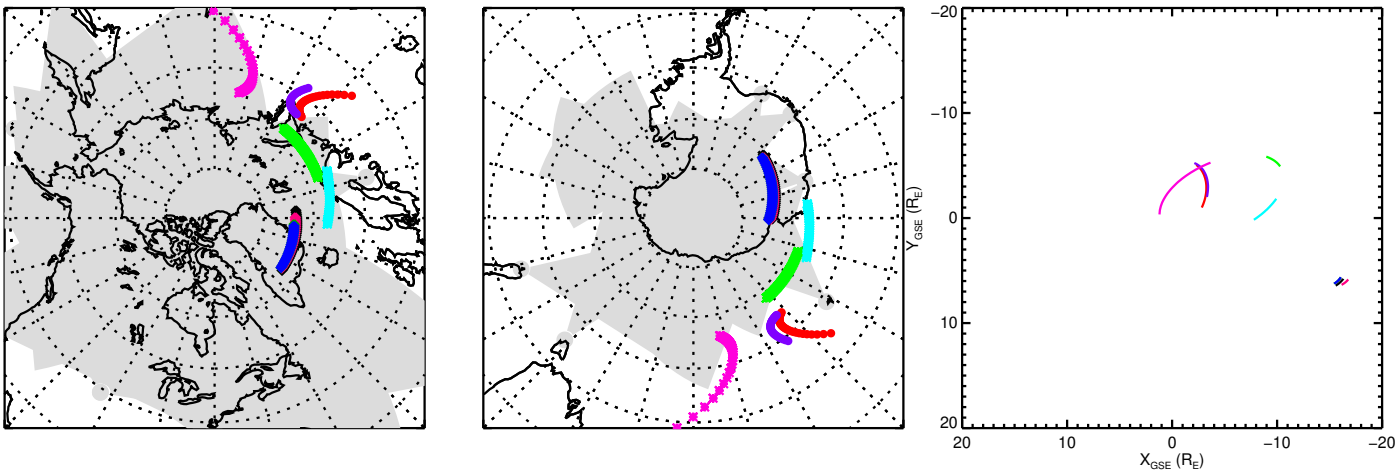


(c) 1210UT to 1830UT
ade bks cly cvw fhw hok kod

sps



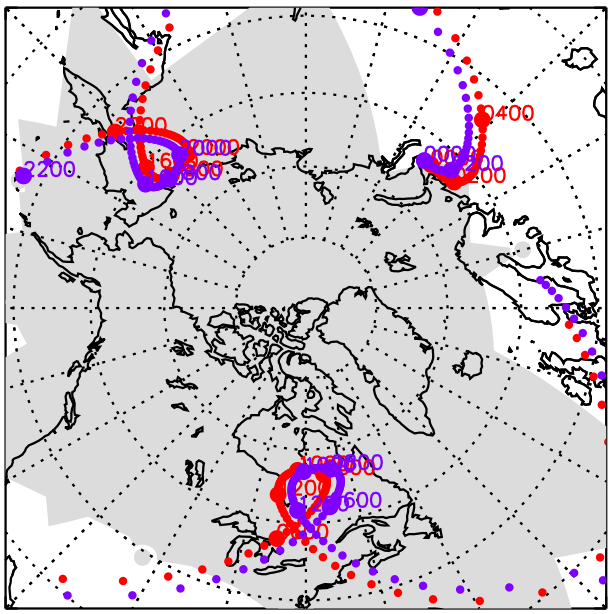
(d) 2105UT to 2355UT

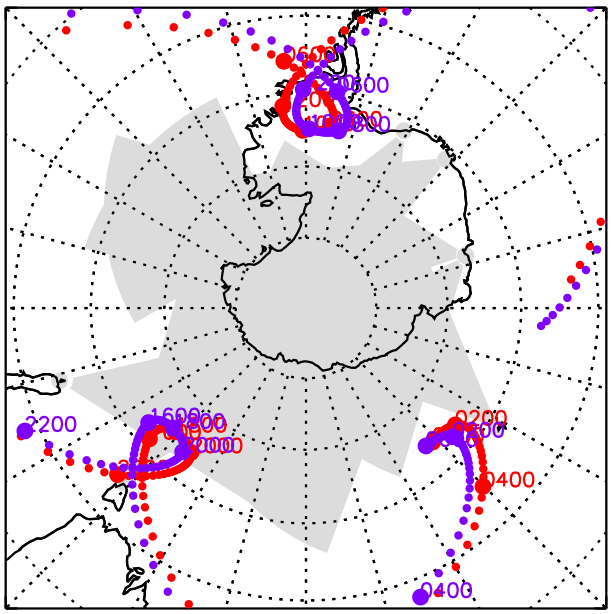


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

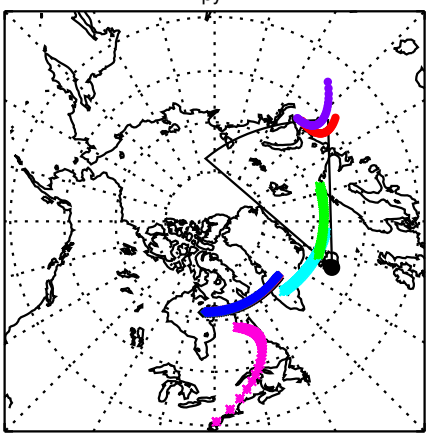
20–Sep–2014

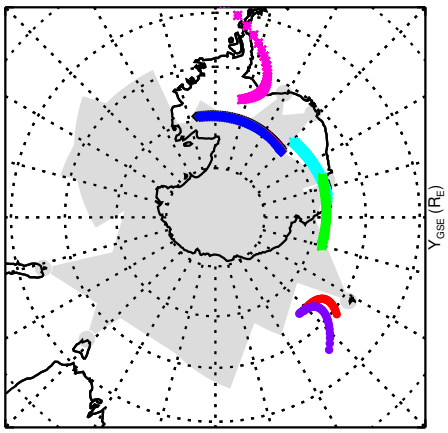
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

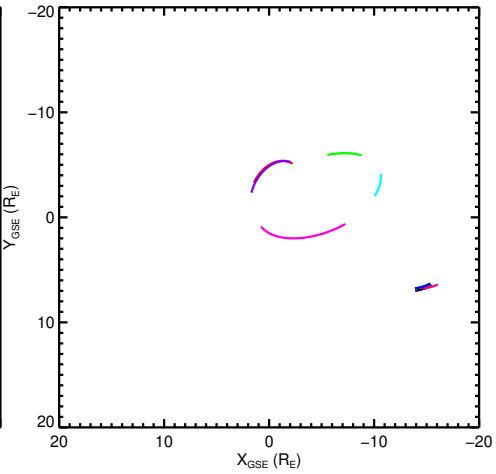




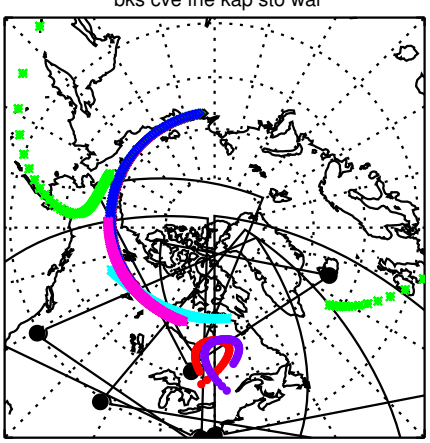
(a) 0000UT to 0330UT
pyk

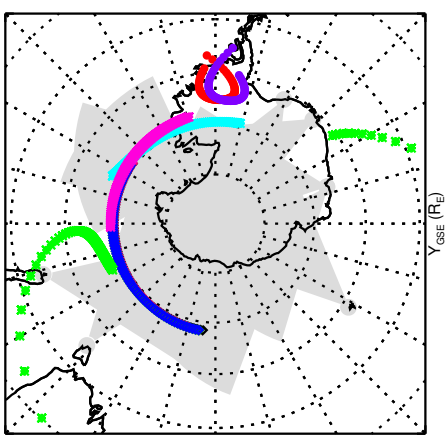


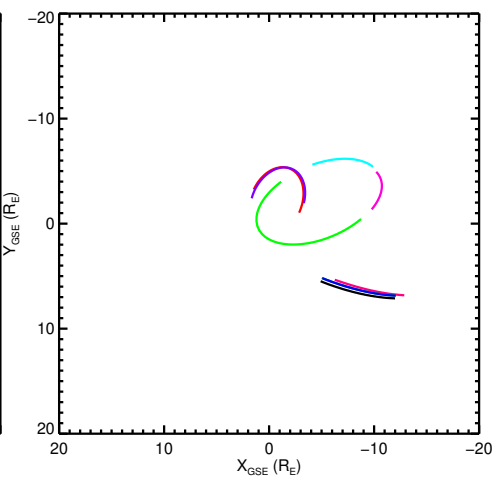


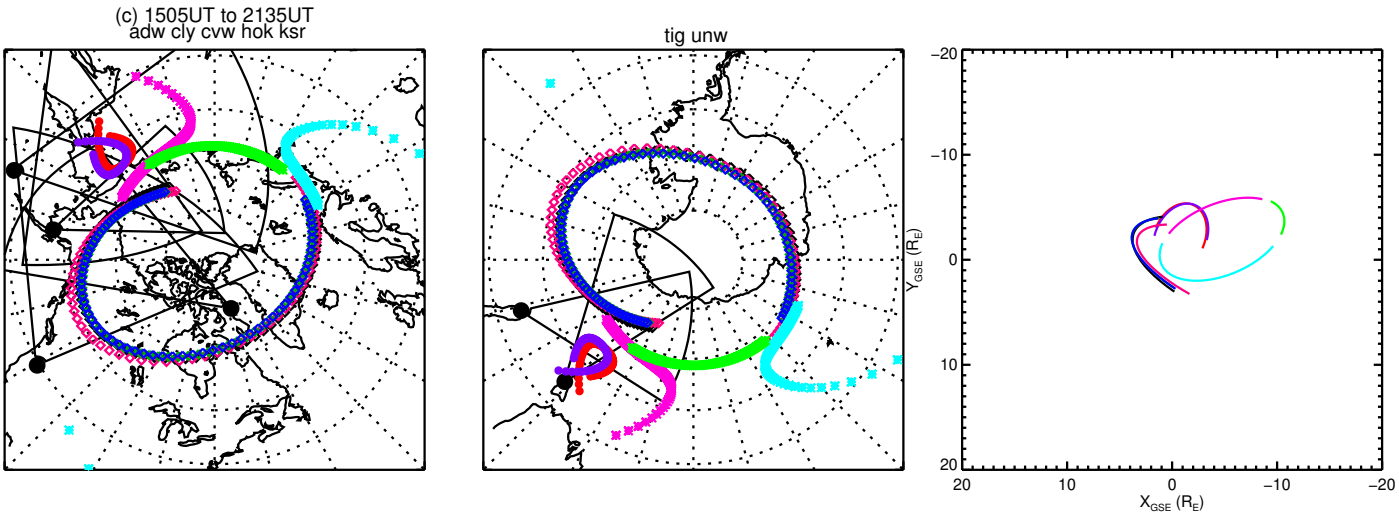


(b) 0605UT to 1230UT
bks cve fhe kap sto wal





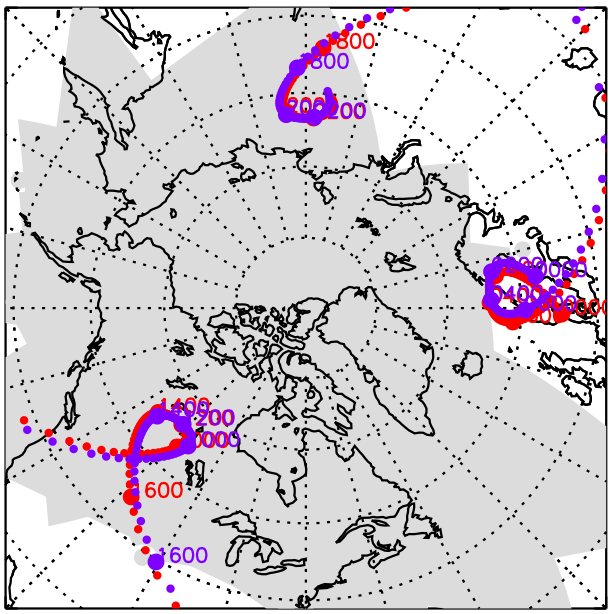


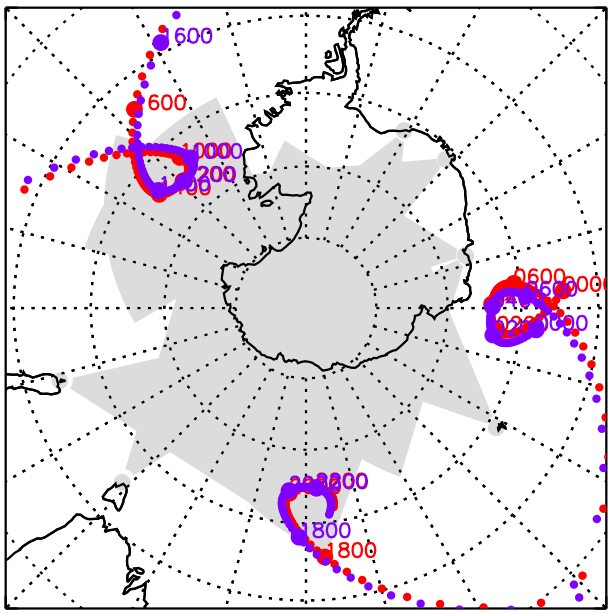

(c) 1505UT to 2135UT
adw cly cvw hok ksr
tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

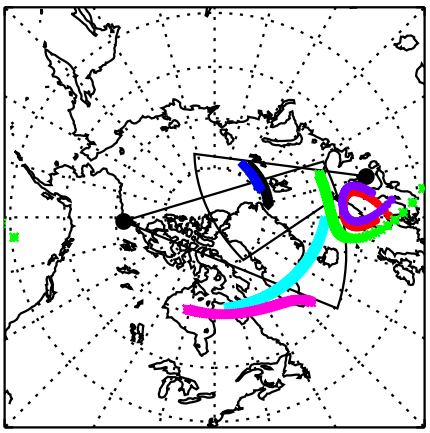
21−Sep−2014

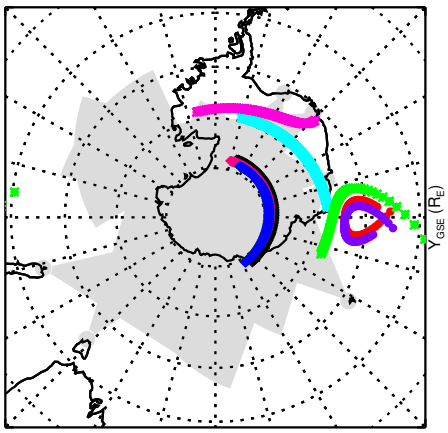
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

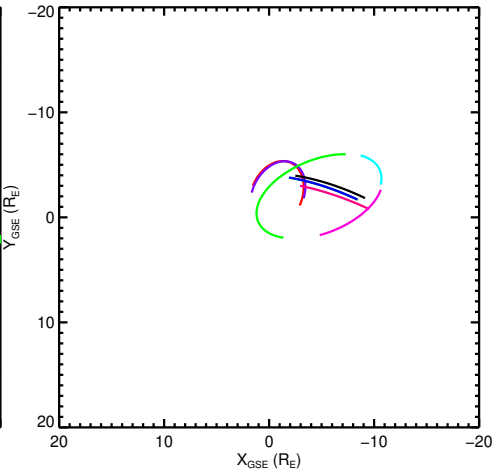




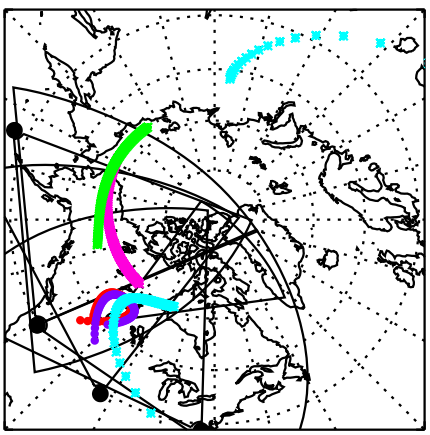
(a) 0005UT to 0635UT
han inv



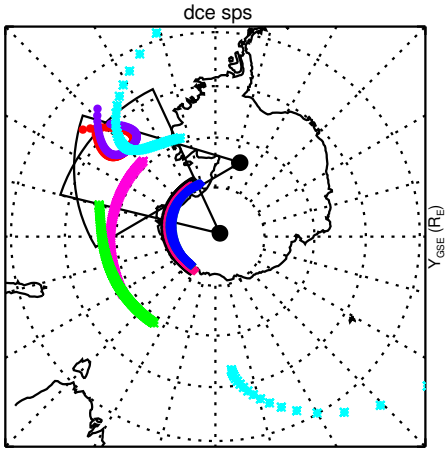


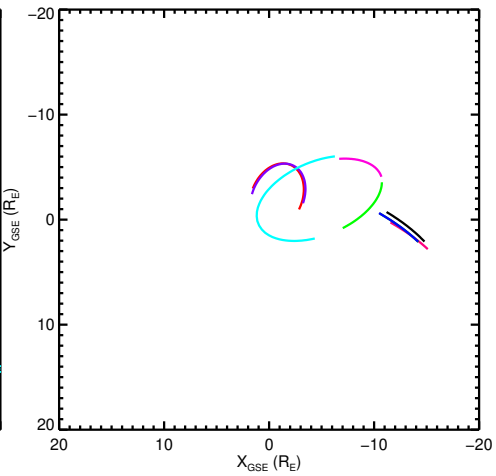


(b) 0900UT to 1535UT
ade bks cve cvw fhw sas

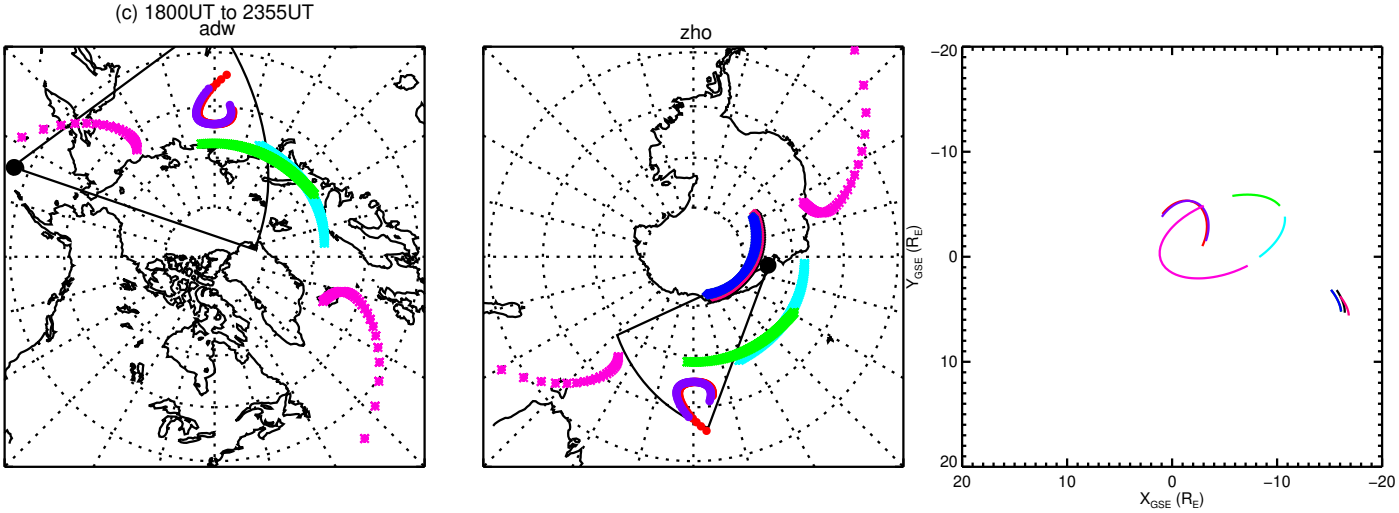


dce sps





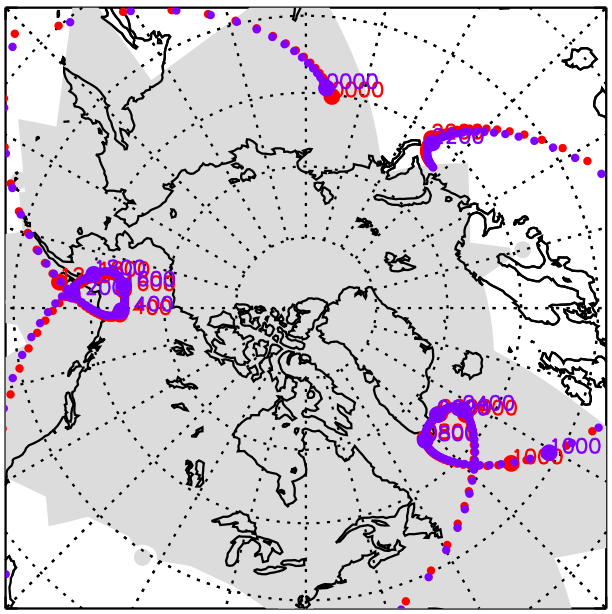
(c) 1800UT to 2355UT

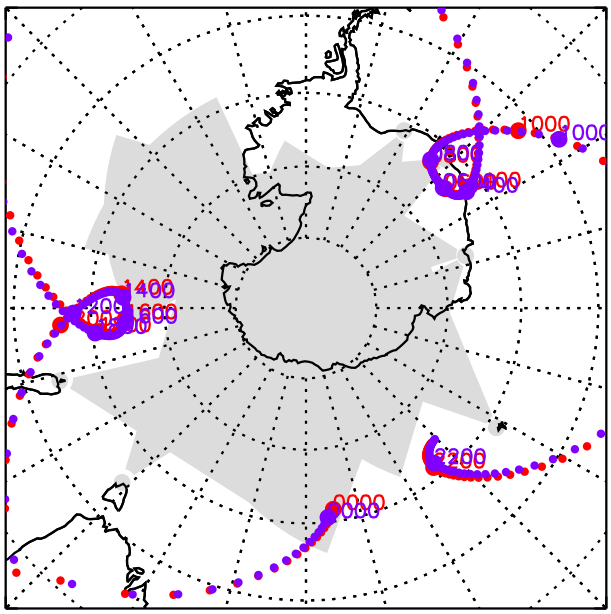


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

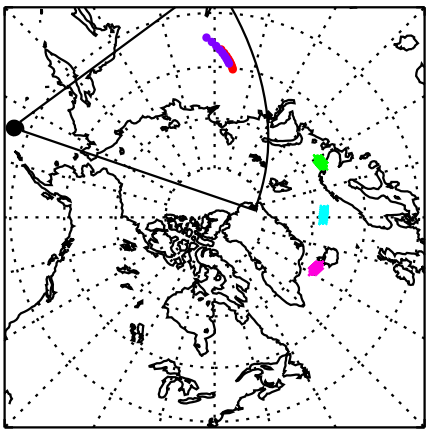
22–Sep–2014

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

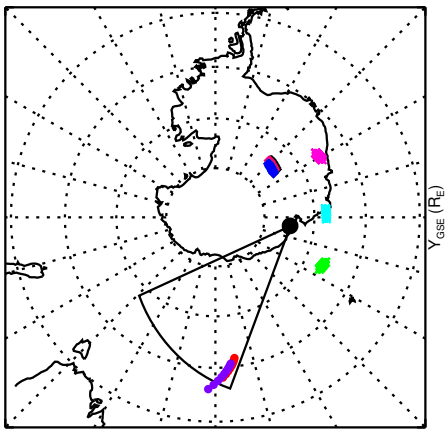


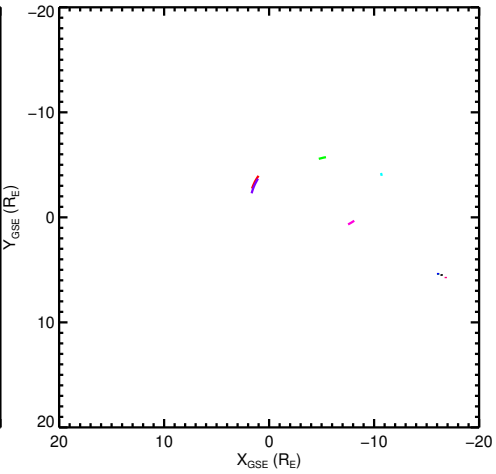


(a) 0000UT to 0040UT
adw

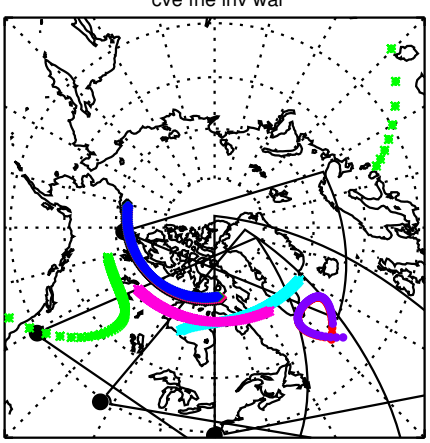


zho

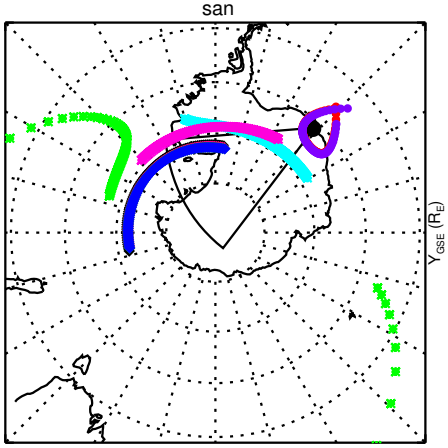


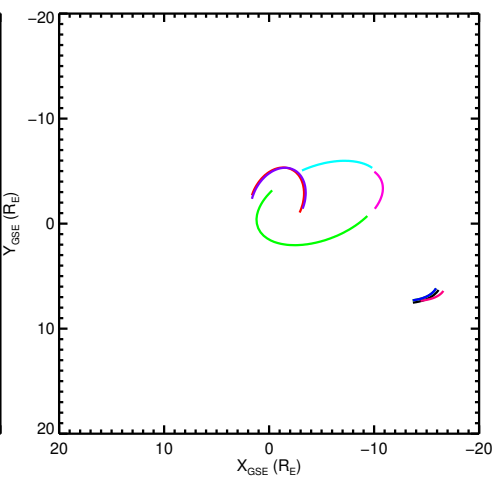


(b) 0300UT to 0940UT
cve fhe inv wal

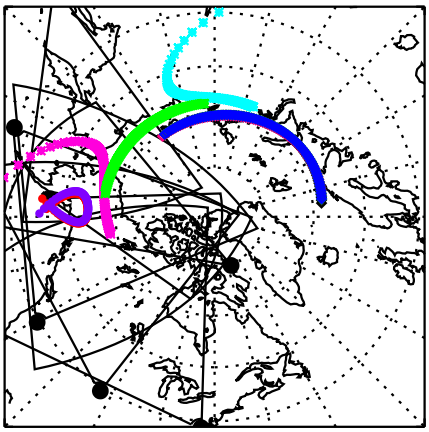


san

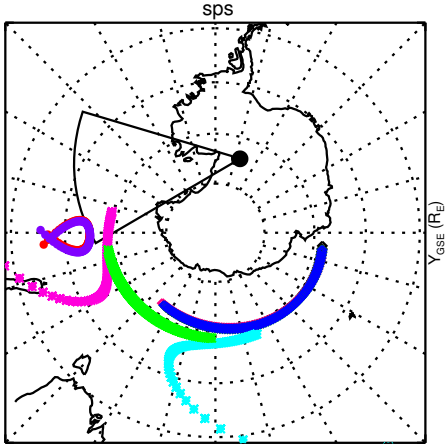


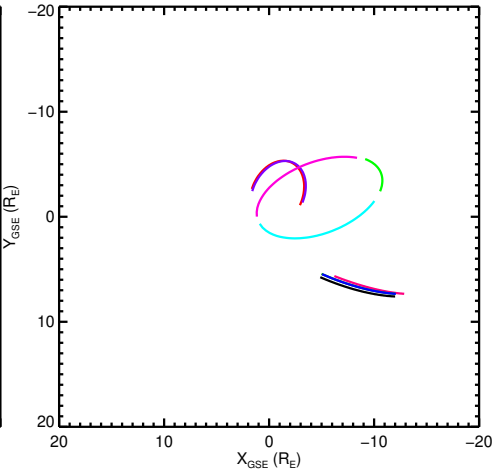


(c) 1200UT to 1840UT
ade bks cly cvw fhw hok kod

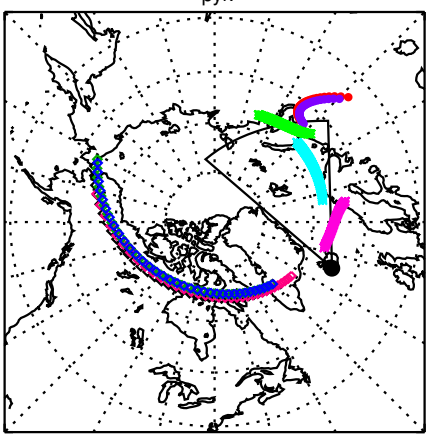


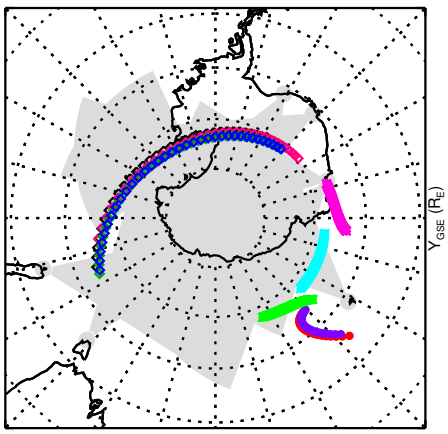
sps

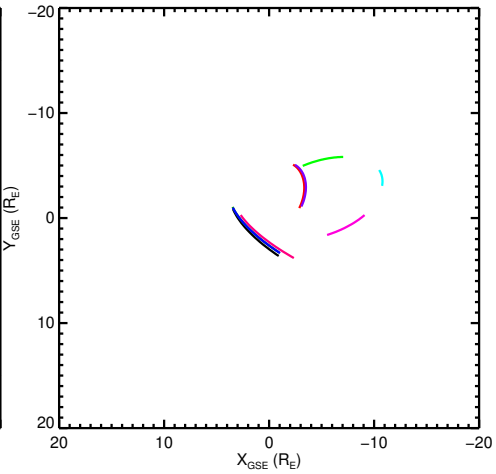




(d) 2055UT to 2355UT
pyk



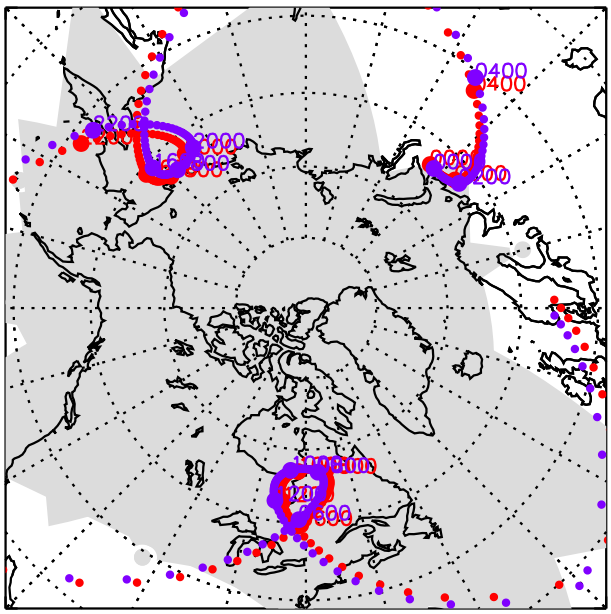


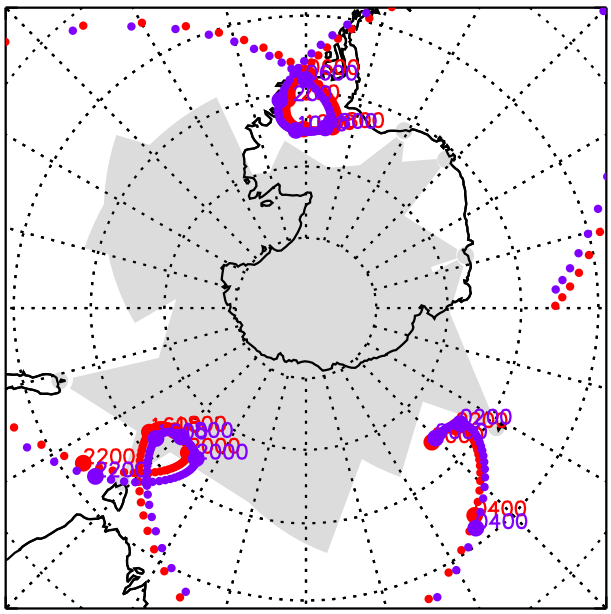


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

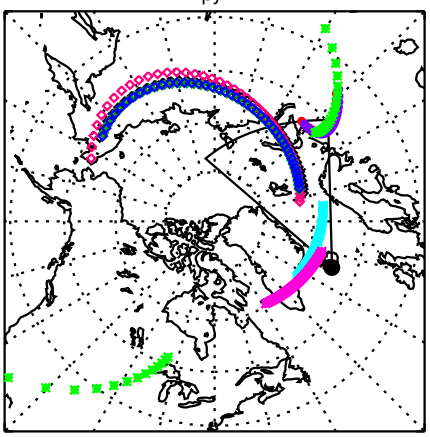
23–Sep–2014

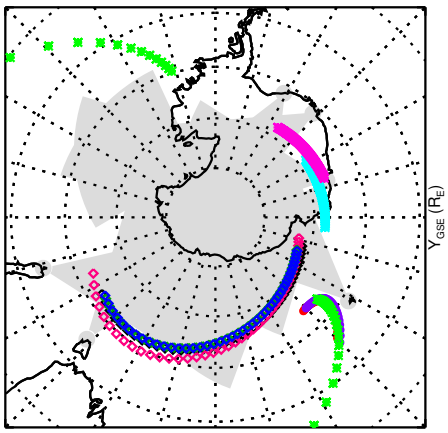
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

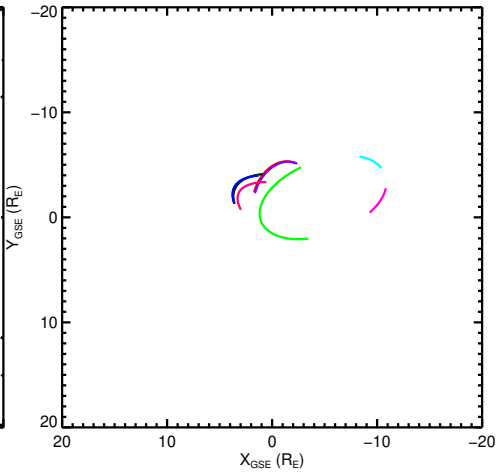




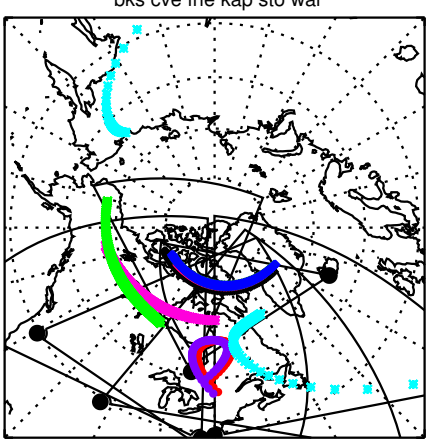
(a) 0000UT to 0345UT
pyk

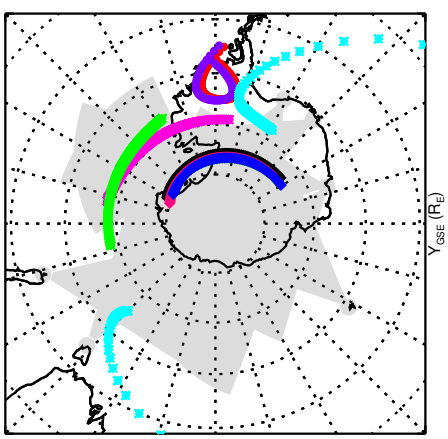


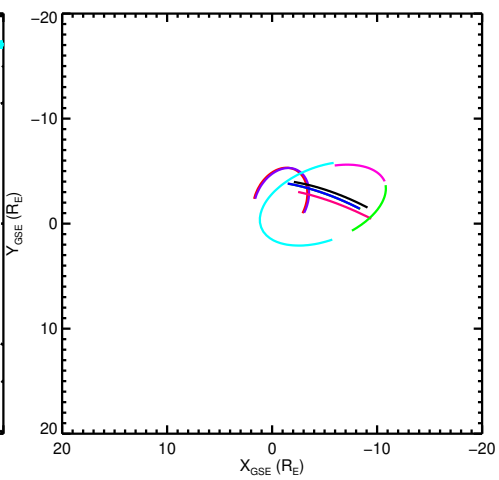




(b) 0555UT to 1245UT
bks cve fhe kap sto wal

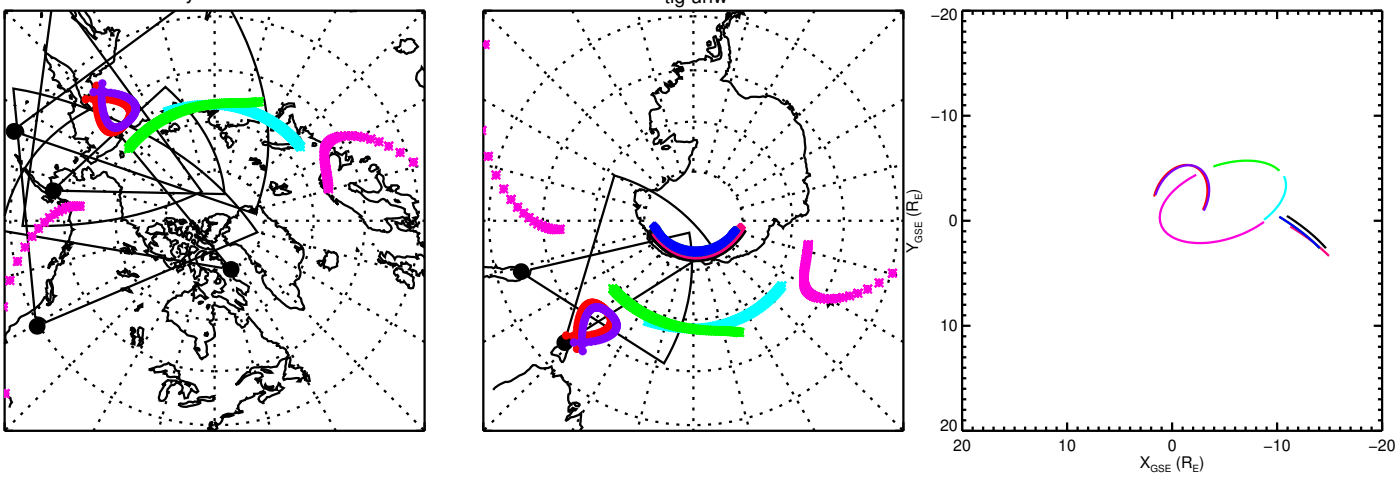




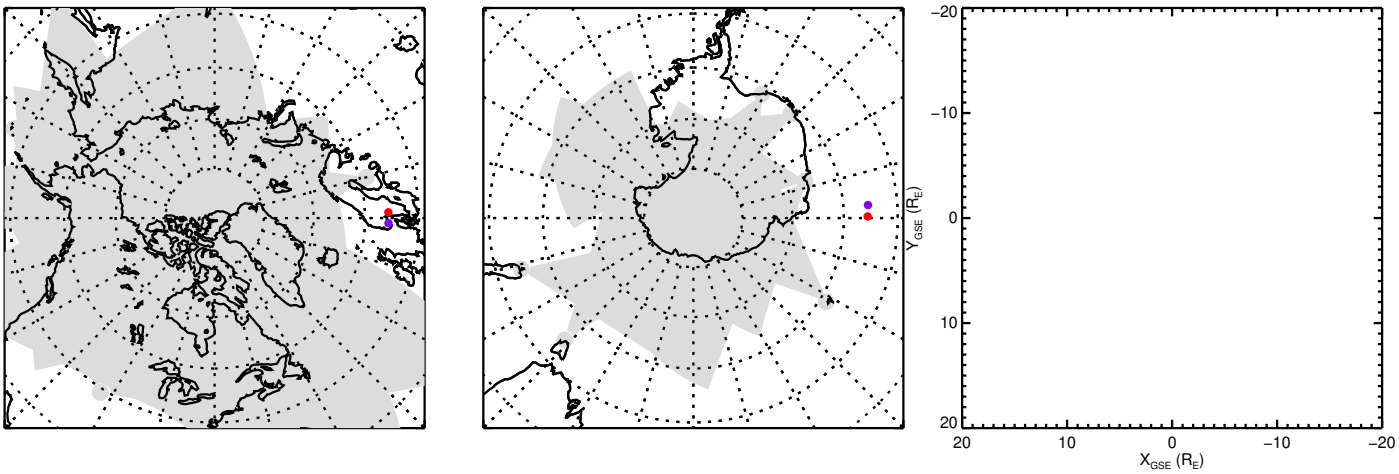


(c) 1455UT to 2145UT
adw cly cvw hok ksr

tig unw



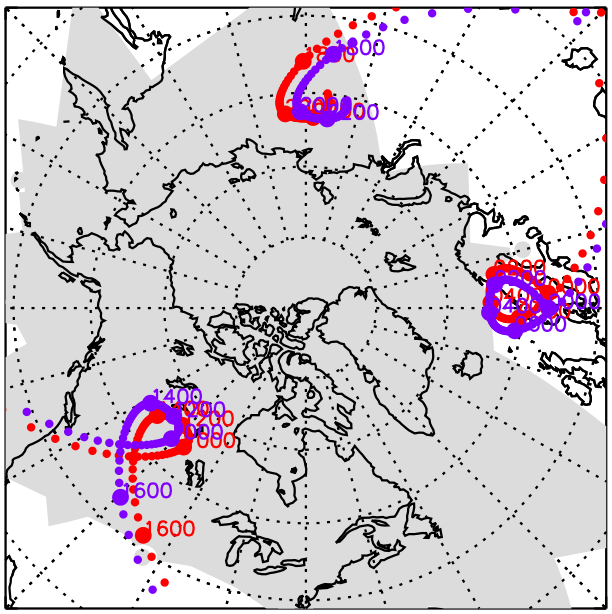
(d) 2355UT to 2355UT

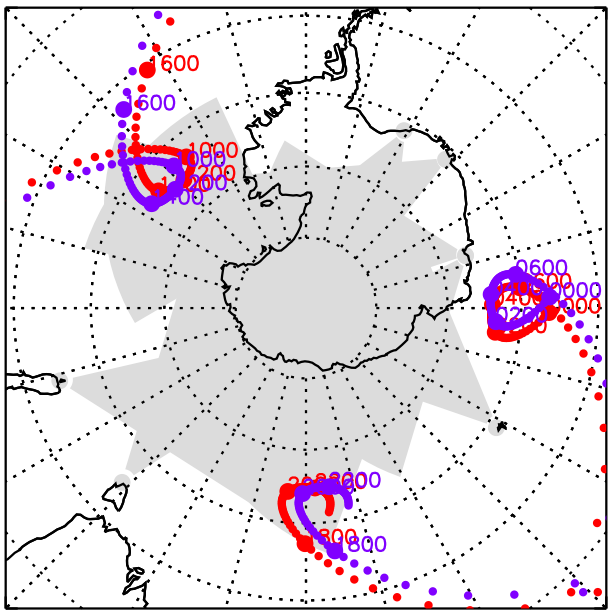


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

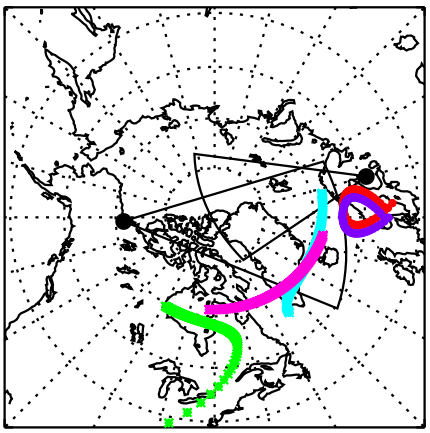
24−Sep−2014

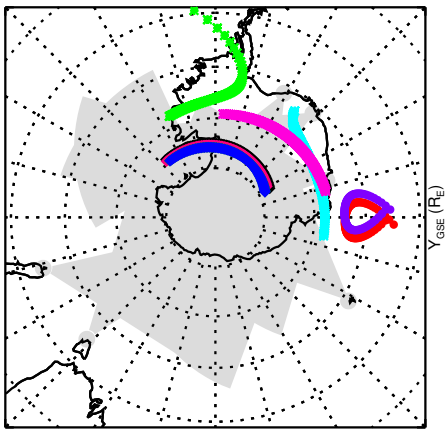
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

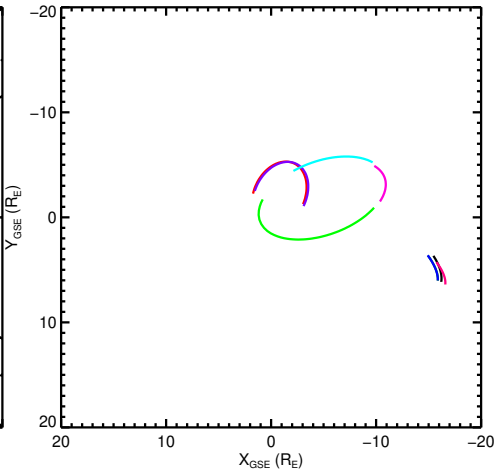




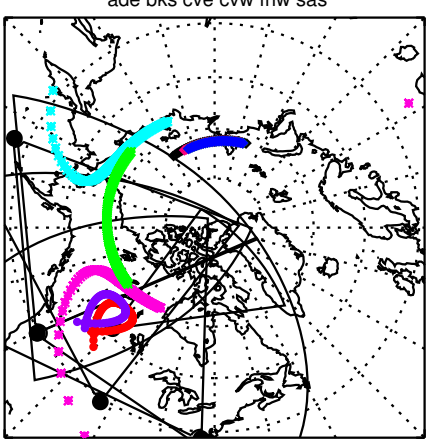
(a) 0000UT to 0645UT
han inv



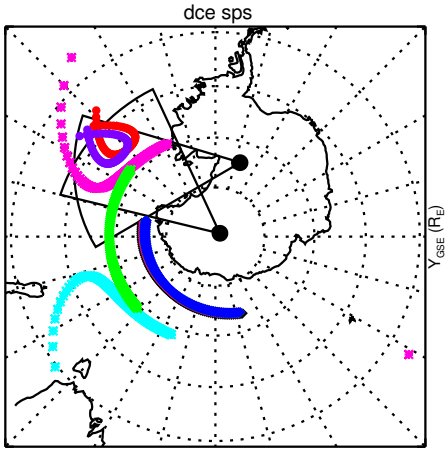


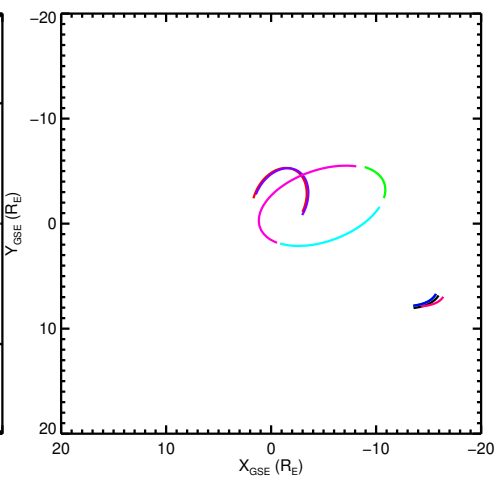


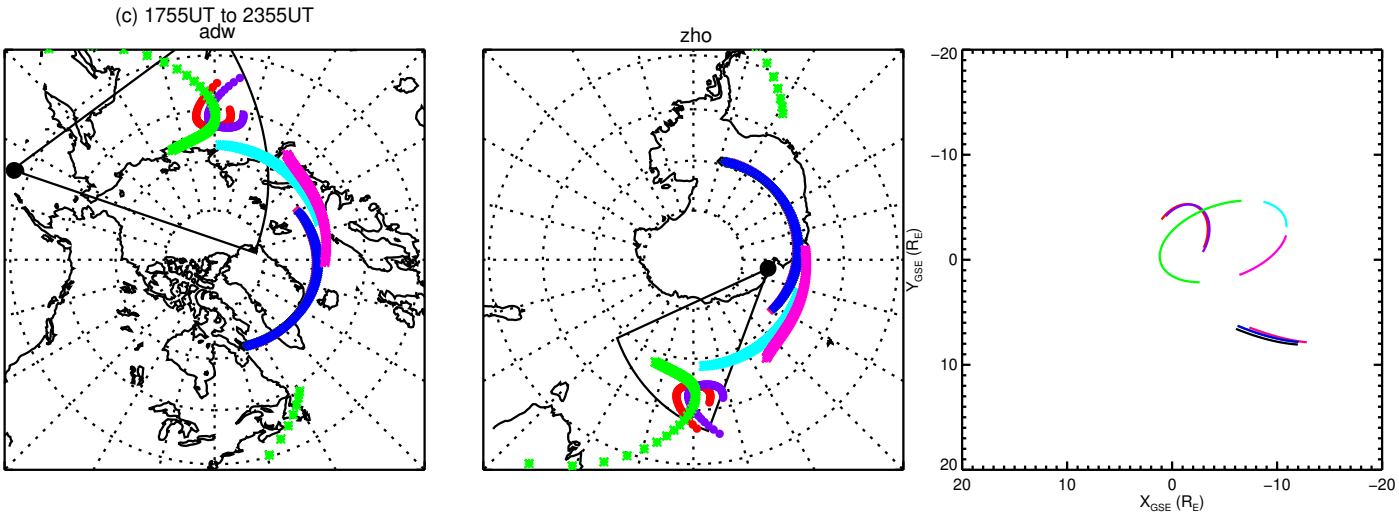
(b) 0855UT to 1540UT
ade bks cve cvw fhw sas



dce sps



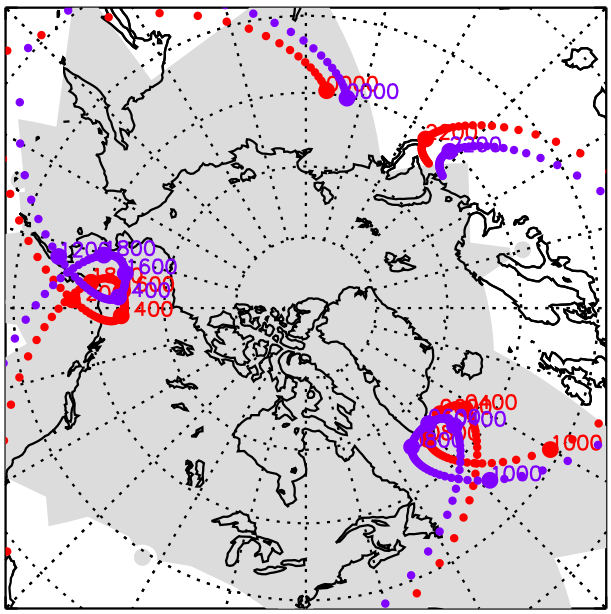


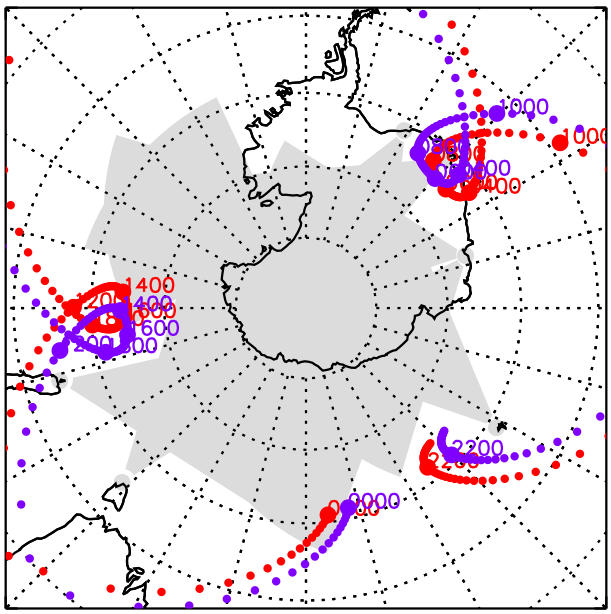

(c) 1755UT to 2355UT
adw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

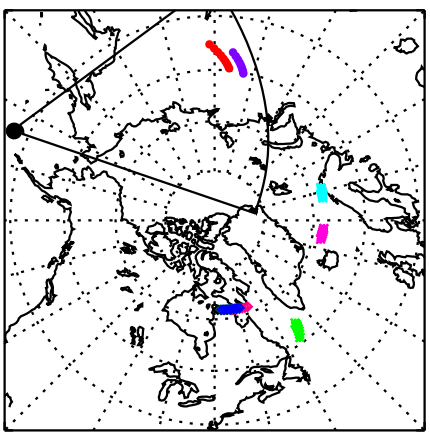
25–Sep–2014

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

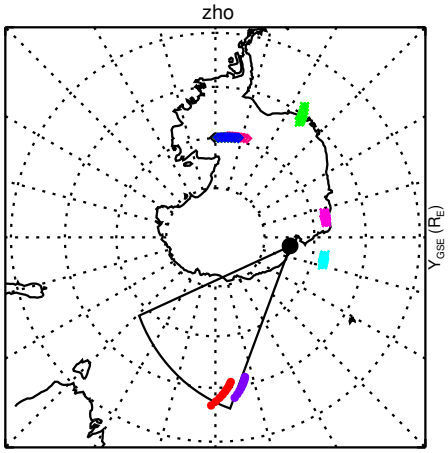


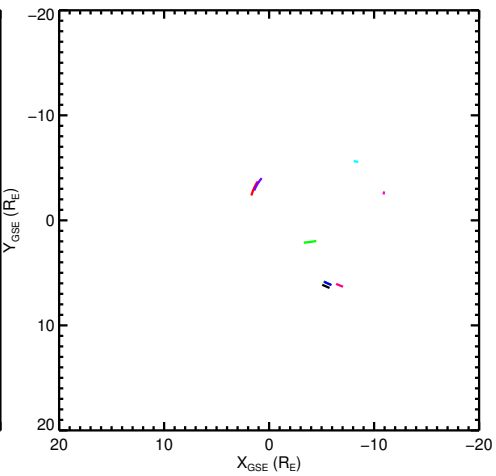


(a) 0000UT to 0040UT
adw

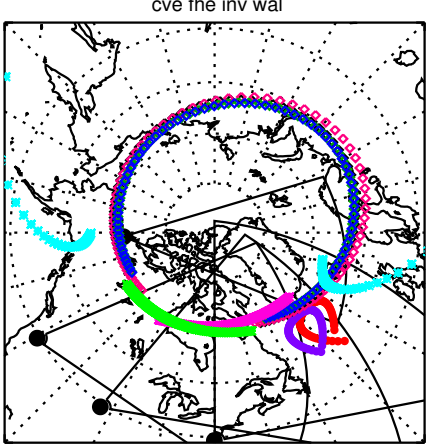


zho

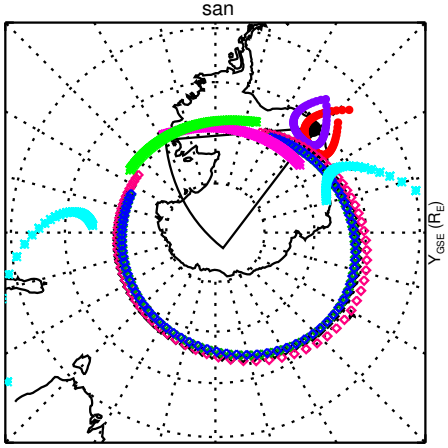


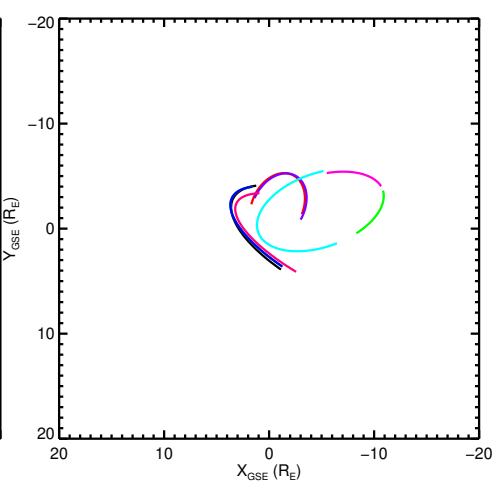


(b) 0300UT to 0940UT
cve fhe inv wal

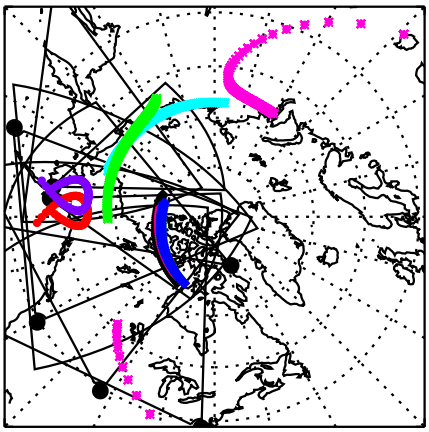


san

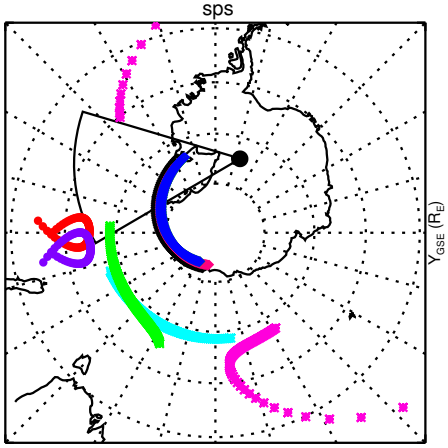


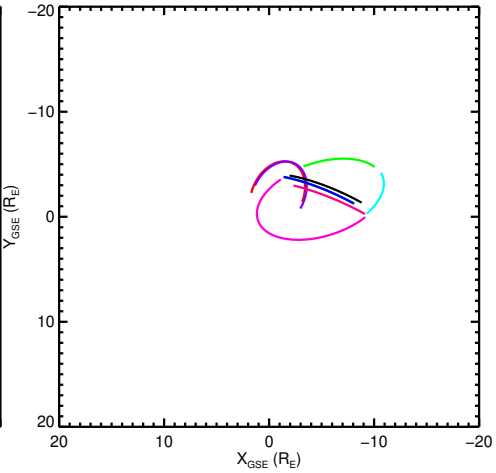


(c) 1200UT to 1840UT
ade bks cly cvw fhw hok kod ksr

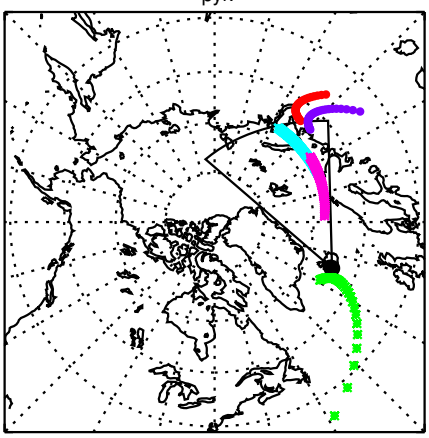


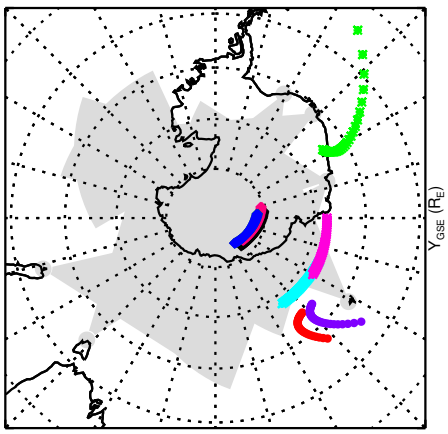
sps

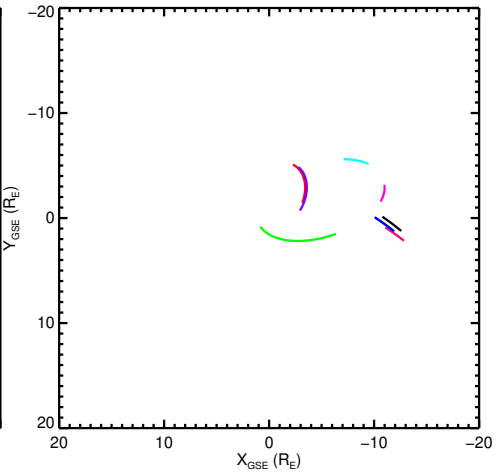




(d) 2100UT to 2355UT
pyk



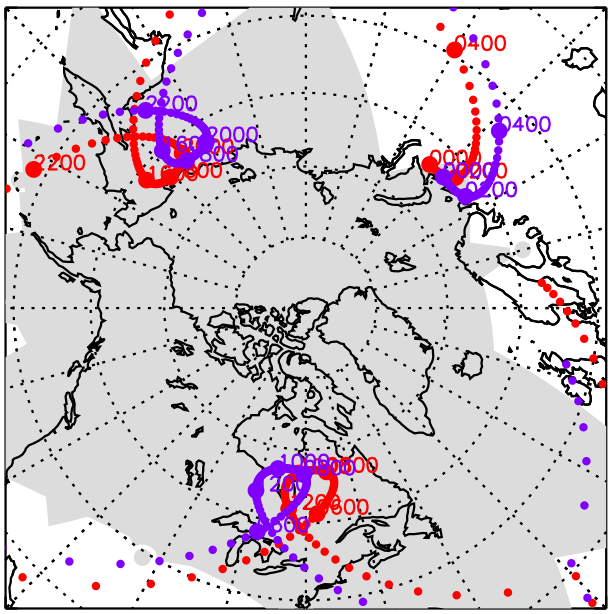


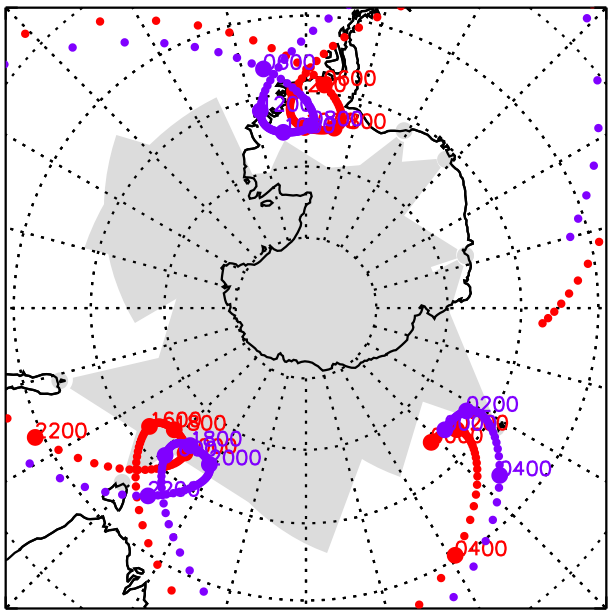


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

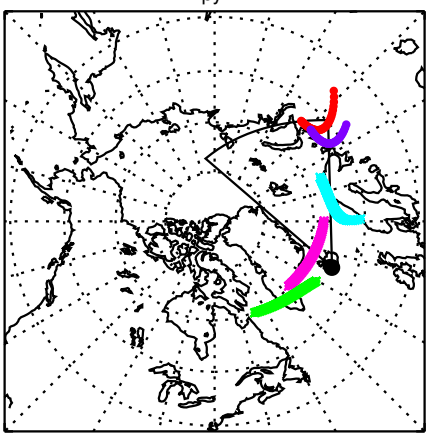
26–Sep–2014

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

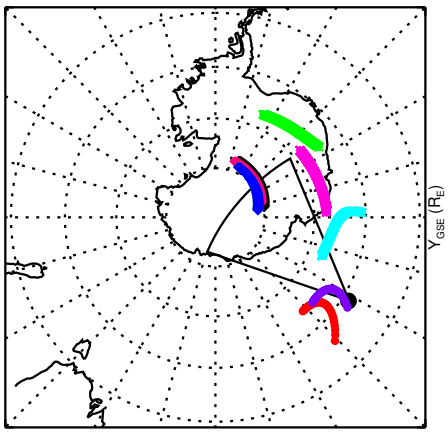


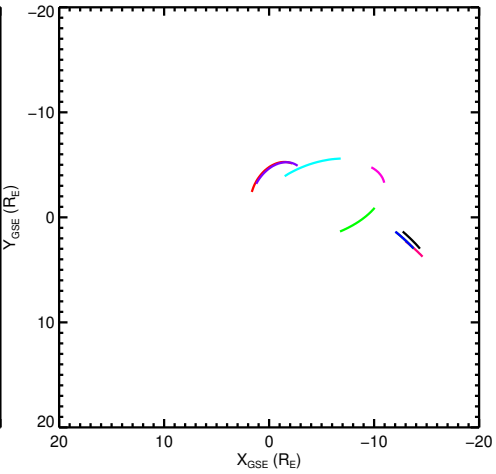


(a) 0000UT to 0335UT
pyk

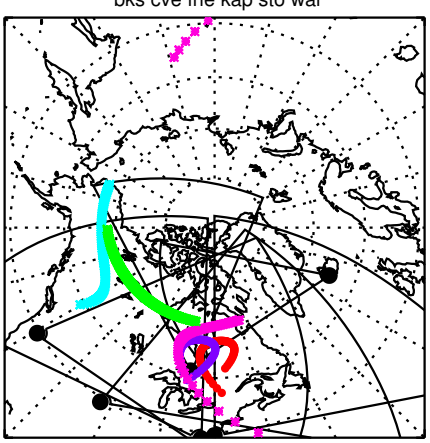


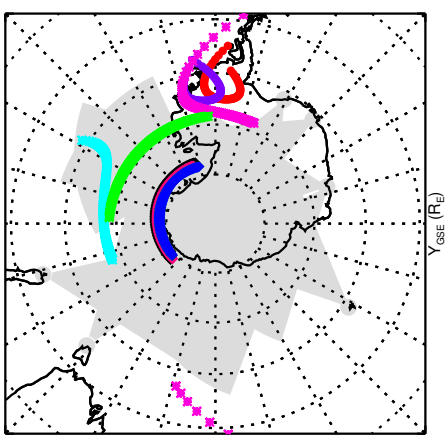
ker

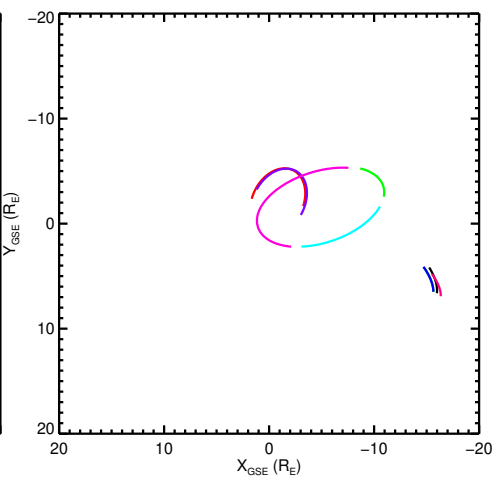




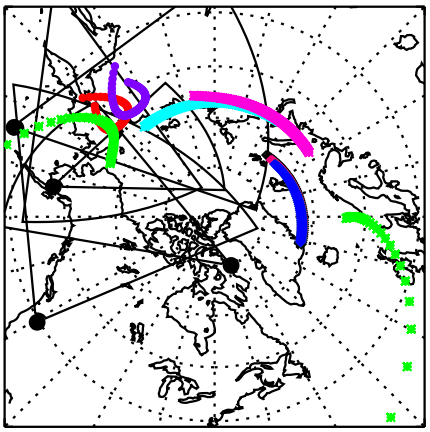
(b) 0605UT to 1235UT
bks cve fhe kap sto wal



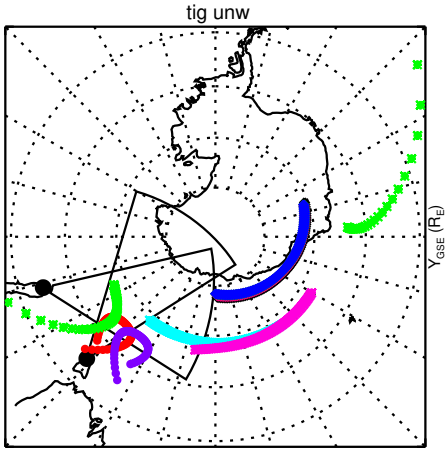


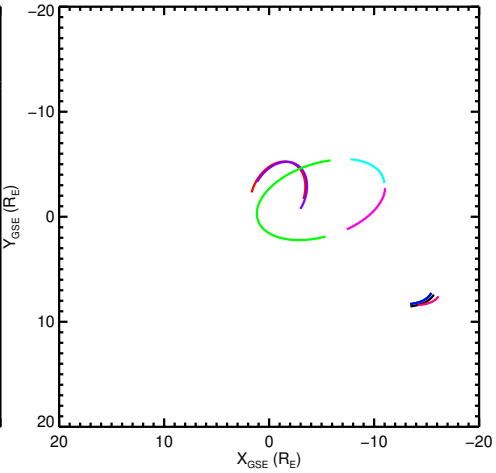


(c) 1505UT to 2135UT
adw cly cvw hok ksr



tig unw

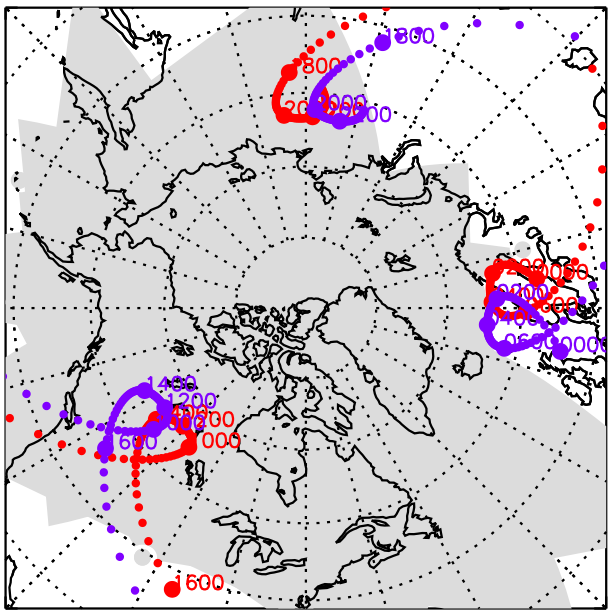


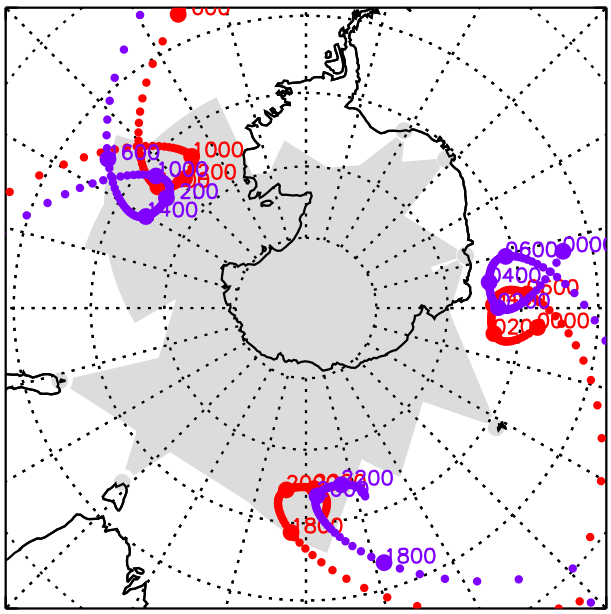


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

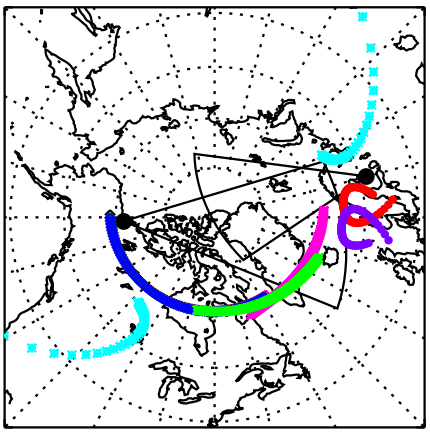
27−Sep−2014

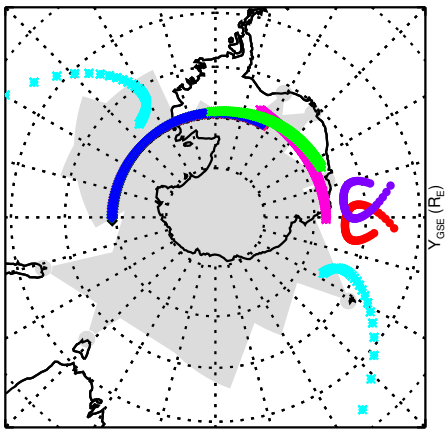
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

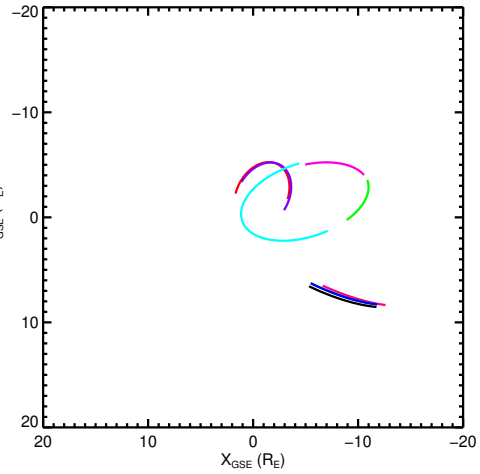




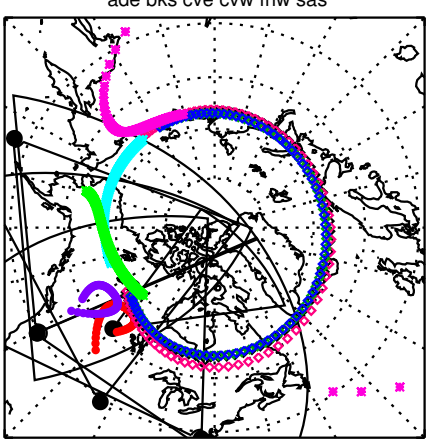
(a) 0005UT to 0635UT
han inv



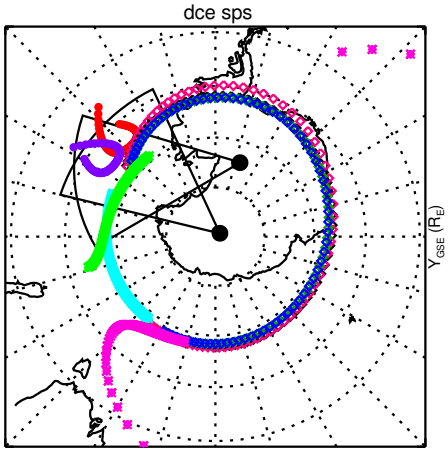


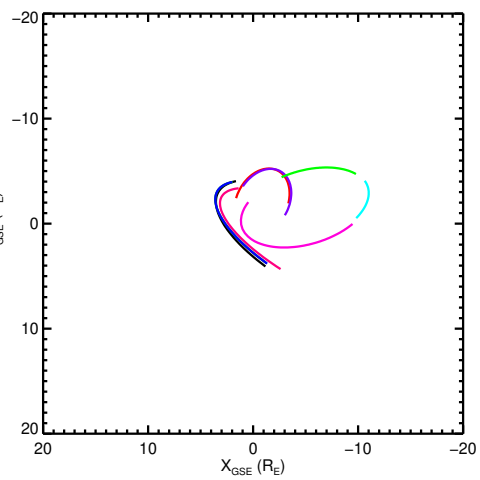


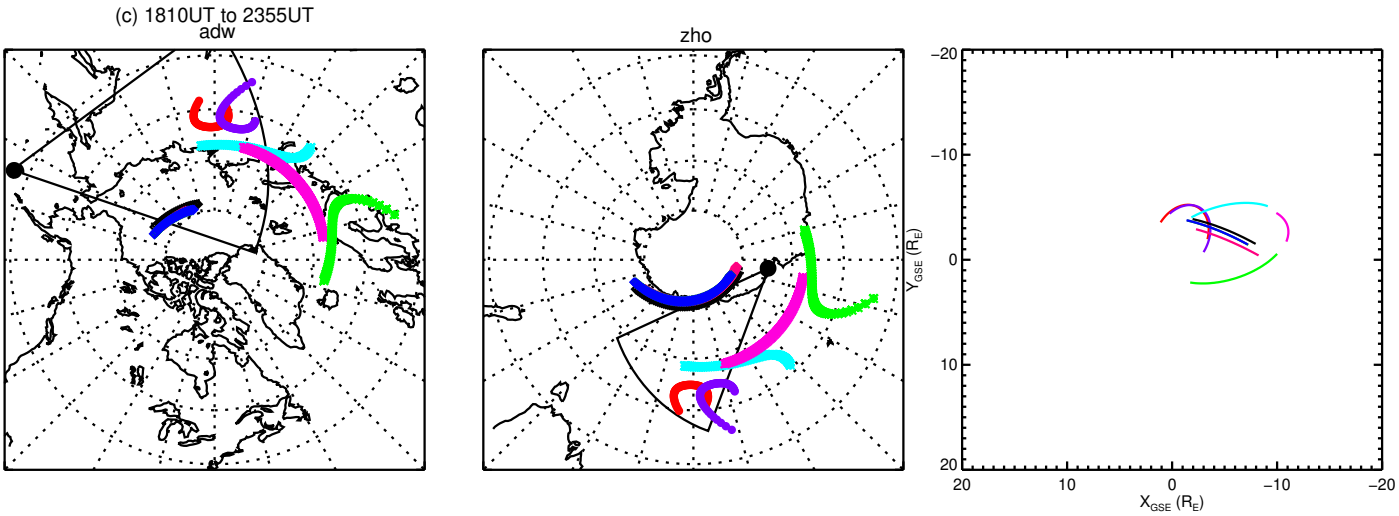
(b) 0910UT to 1530UT
ade bks cve cvw fhw sas



dce sps



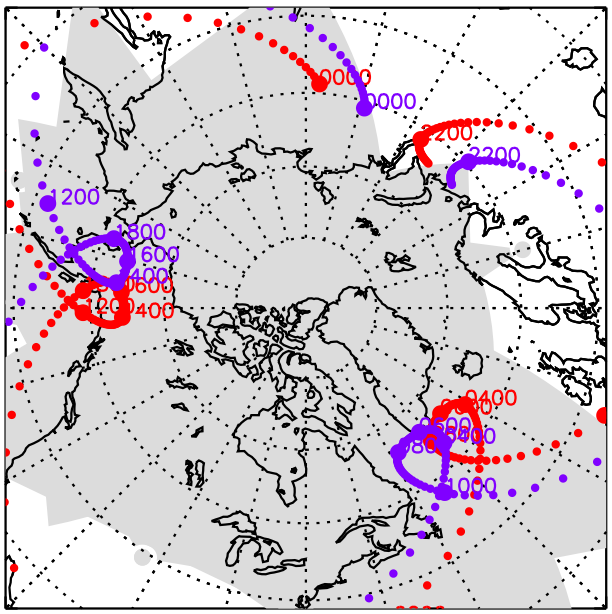


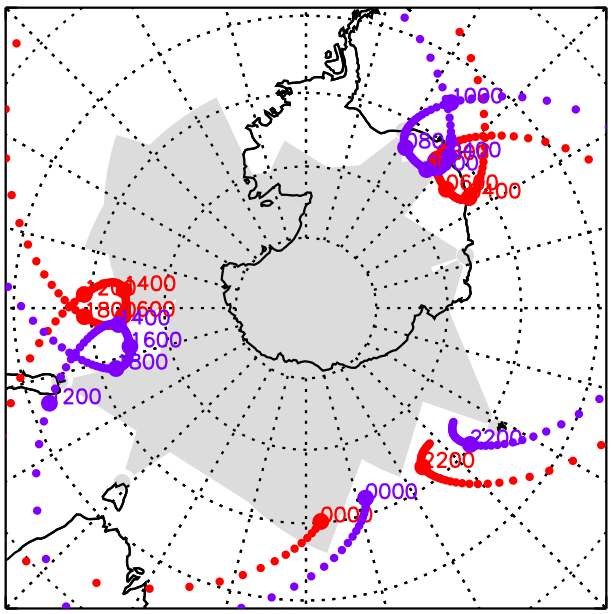

(c) 1810UT to 2355UT
adw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

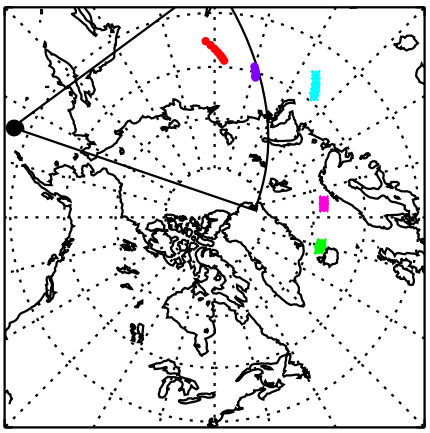
28–Sep–2014

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

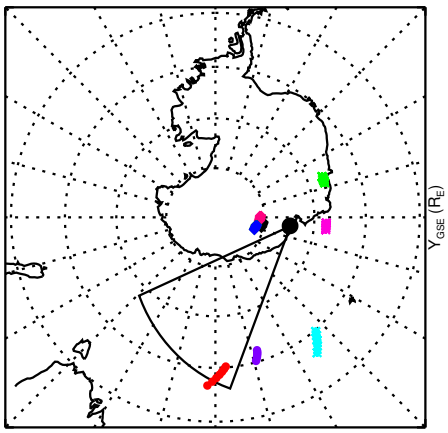


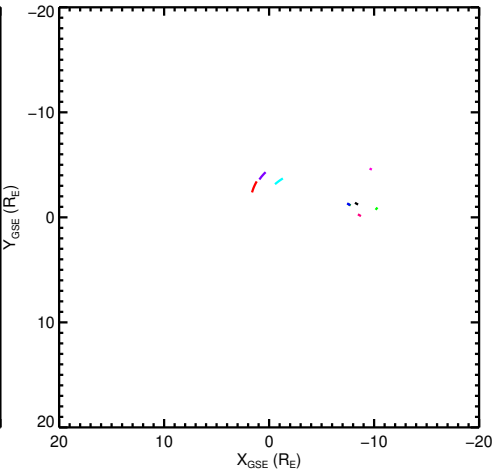


(a) 0000UT to 0030UT
adw

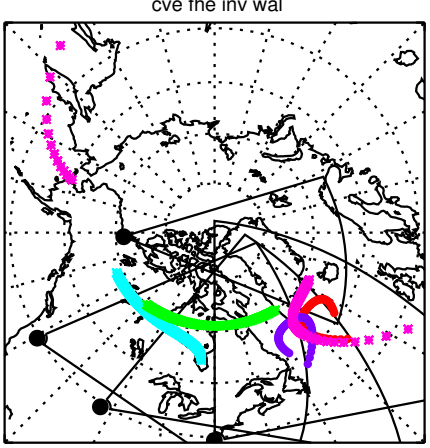


zho

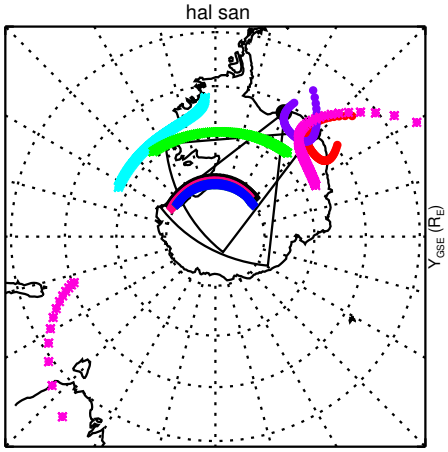


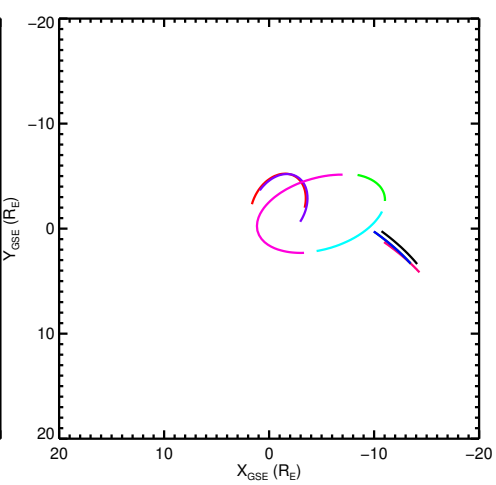


(b) 0310UT to 0930UT
cve fhe inv wal

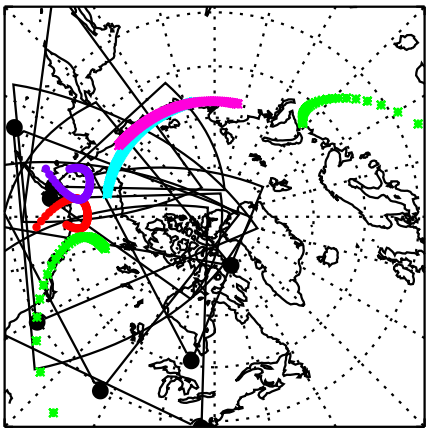


hal san

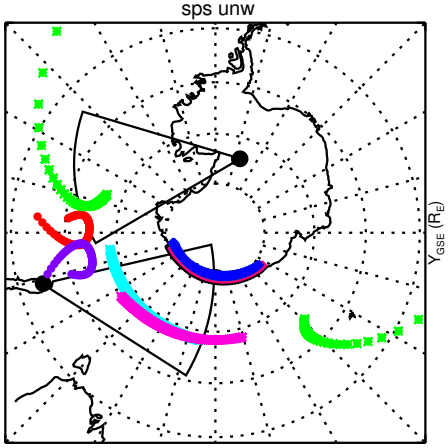


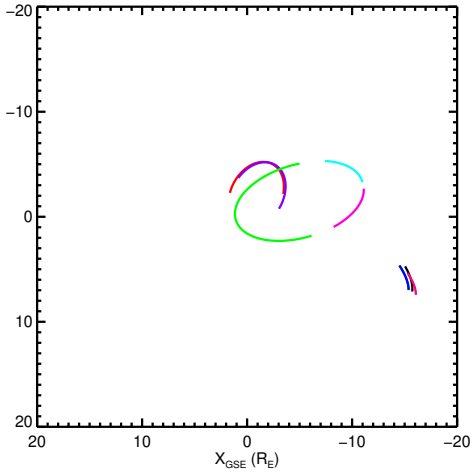


(c) 1215UT to 1830UT
ade bks cly cvw fhw hok kap kod ksr

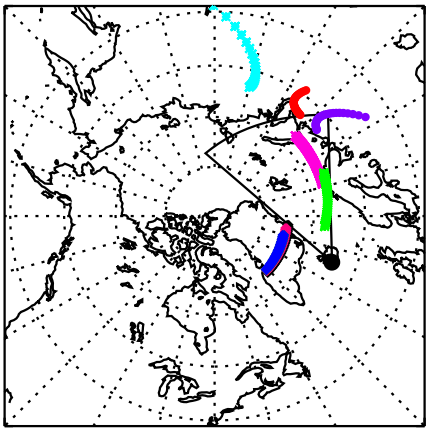


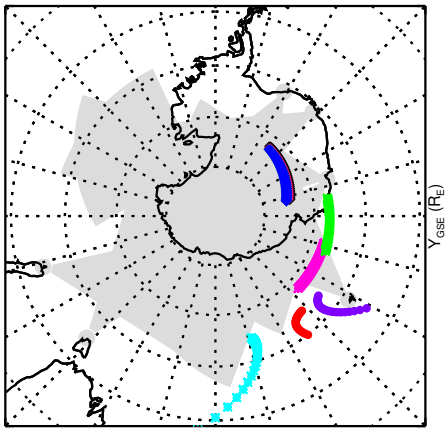
sps unw

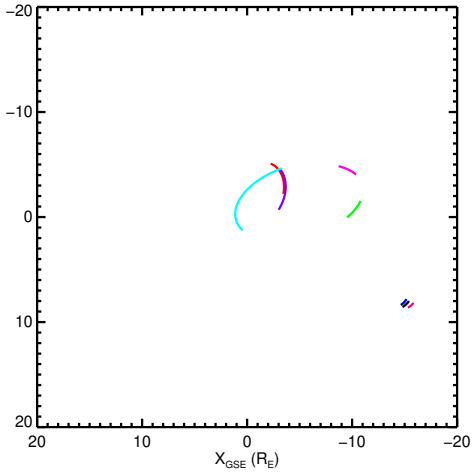




(d) 2115UT to 2355UT
pyk



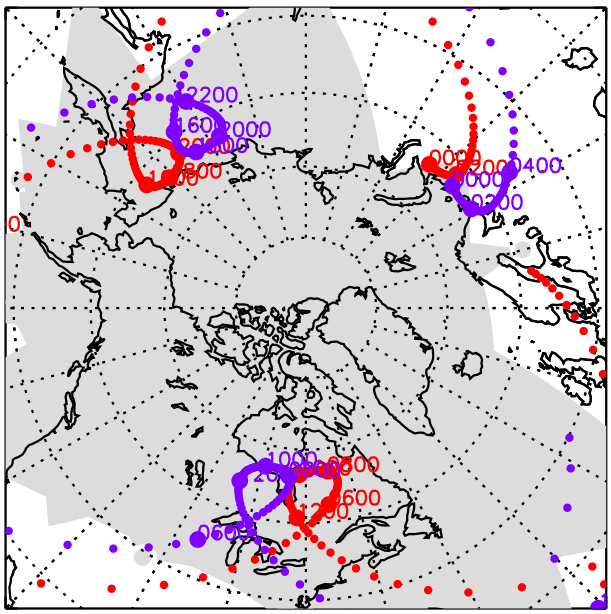


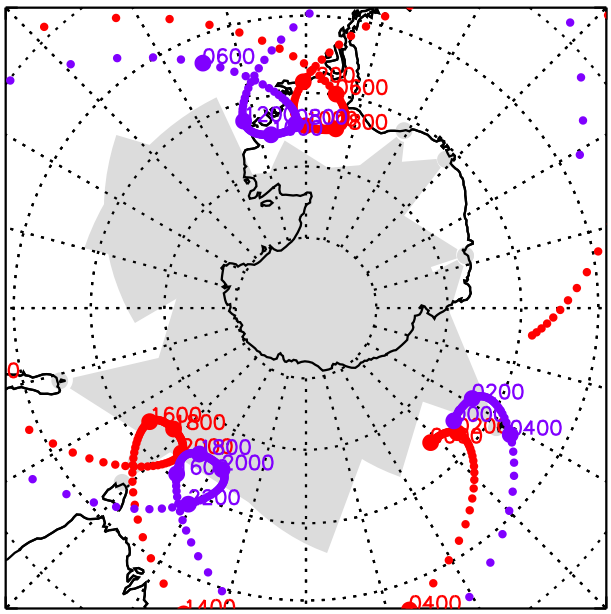


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

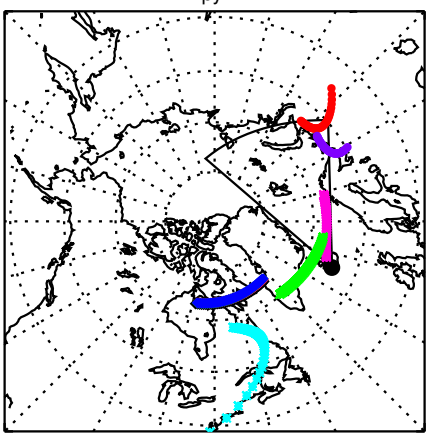
29–Sep–2014

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

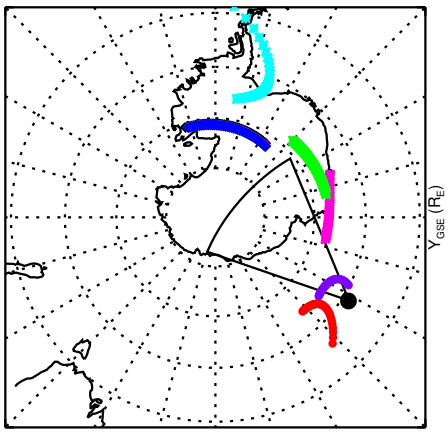


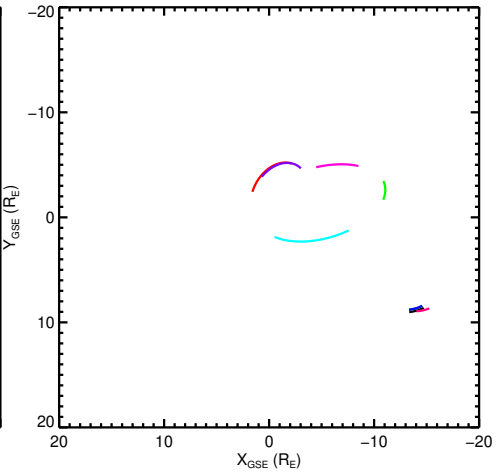


(a) 0000UT to 0325UT
pyk

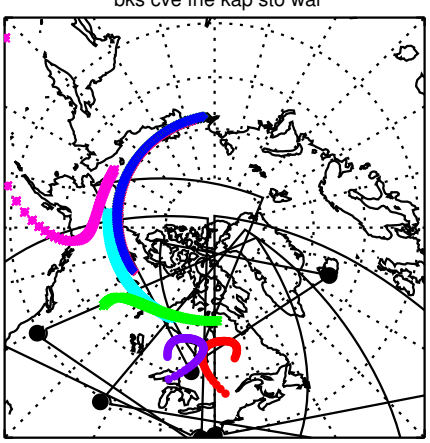


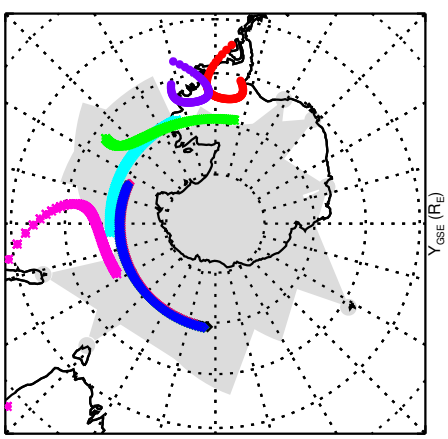
ker

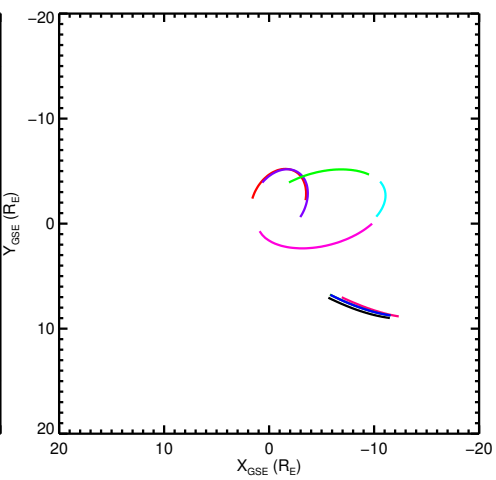


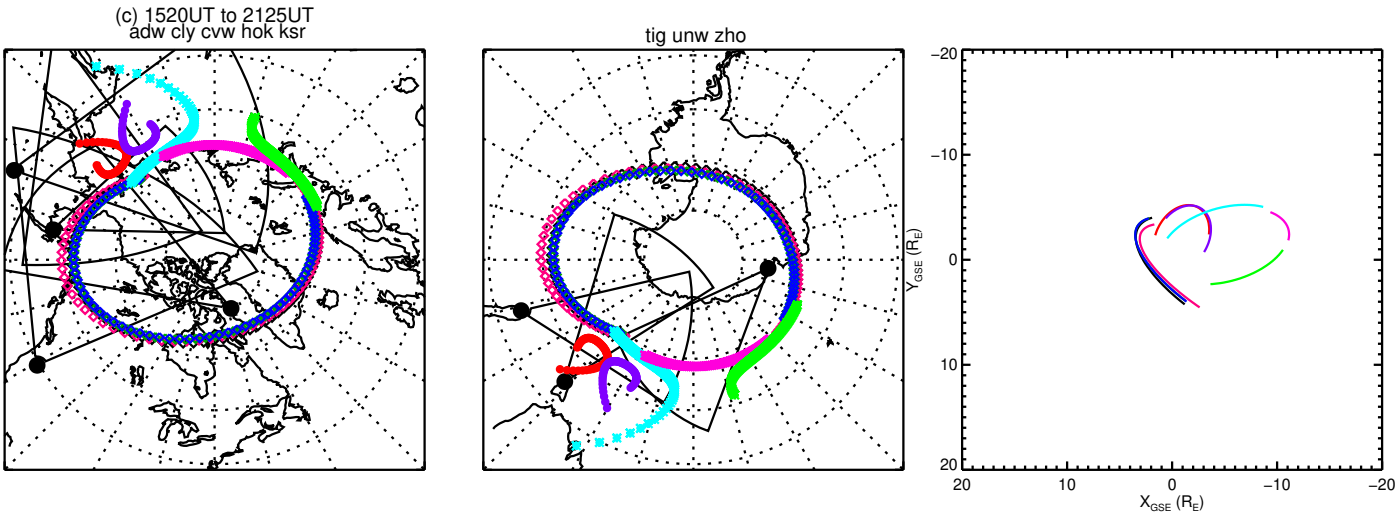


(b) 0615UT to 1225UT
bks cve fhe kap sto wal





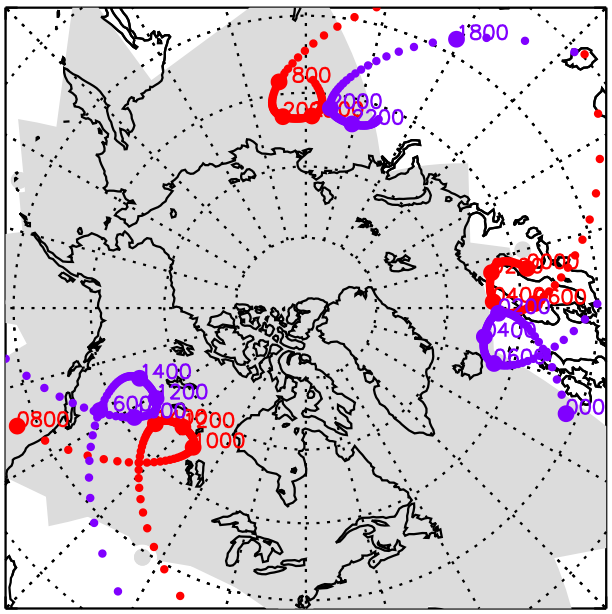


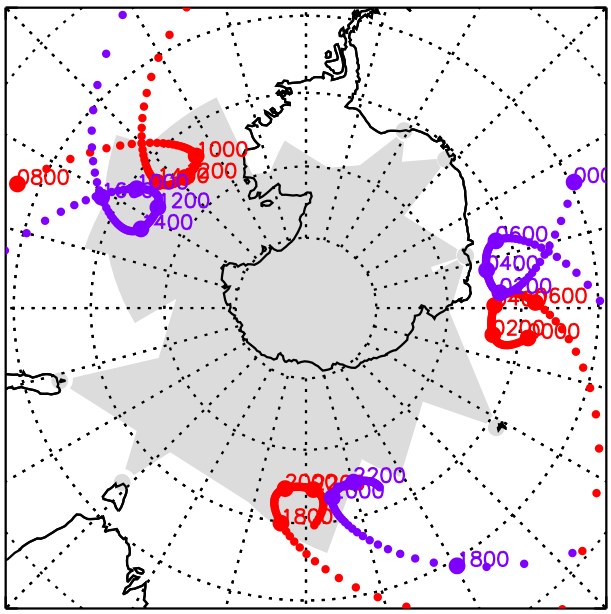

(c) 1520UT to 2125UT
adw cly cvw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

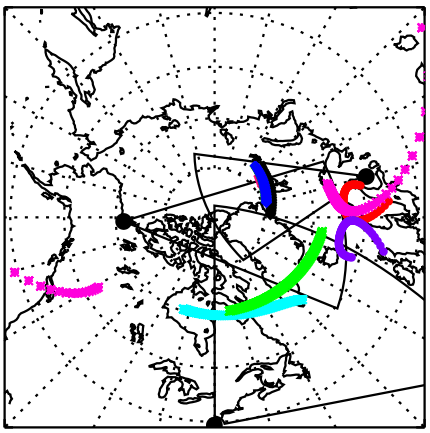
30–Sep–2014

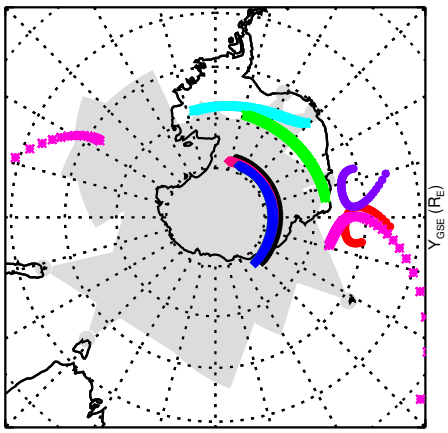
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

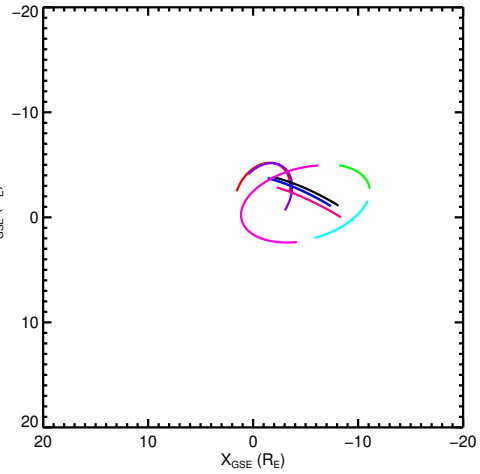




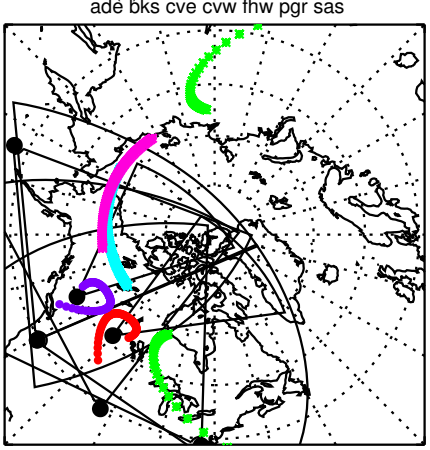
(a) 0020UT to 0620UT
han inv wal



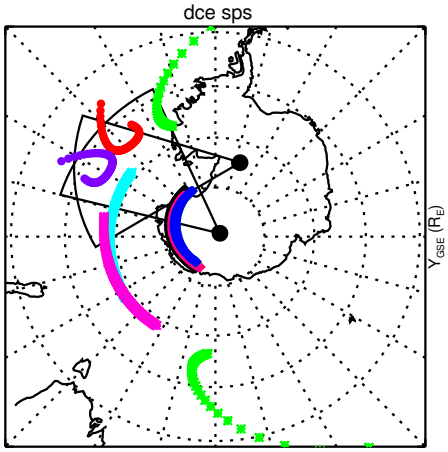


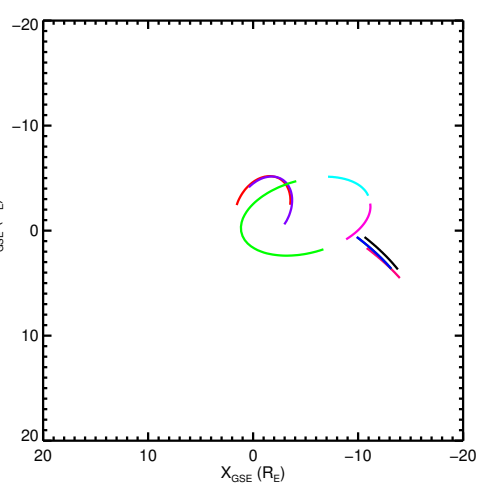


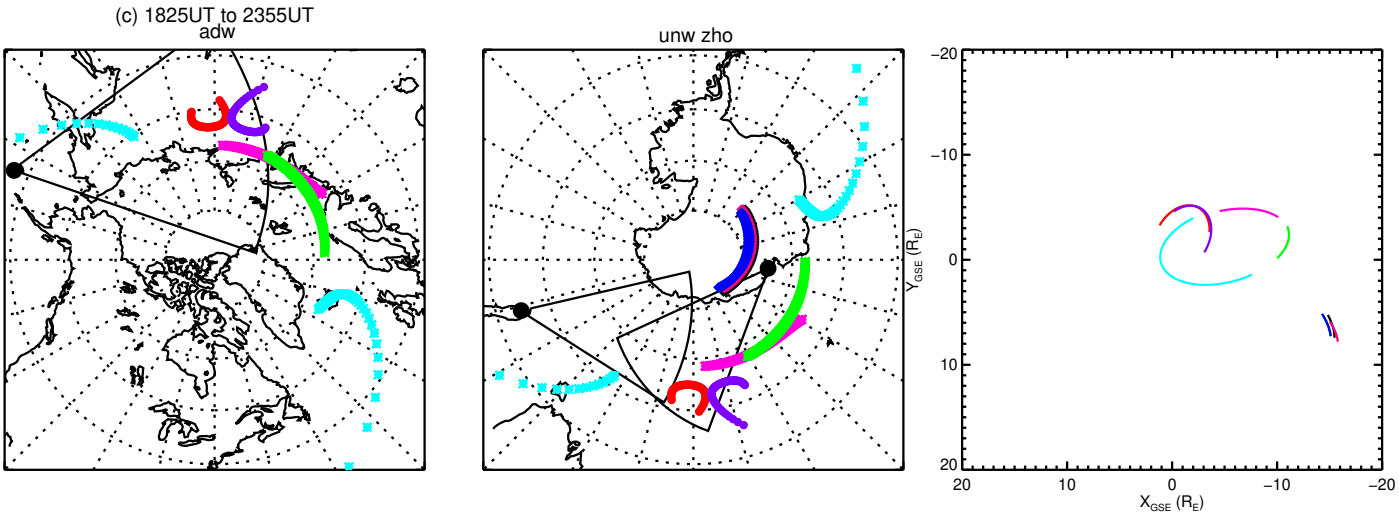
(b) 0920UT to 1520UT
ade bks cve cvw fhw pgr sas



dce sps






(c) 1825UT to 2355UT
adw
unw zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)