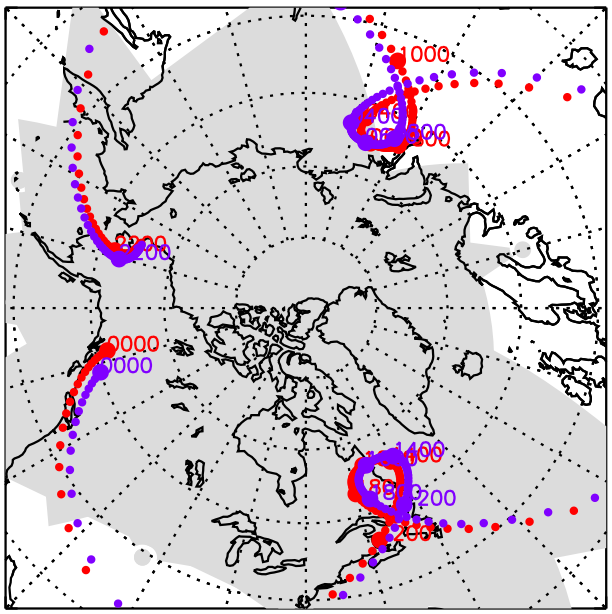
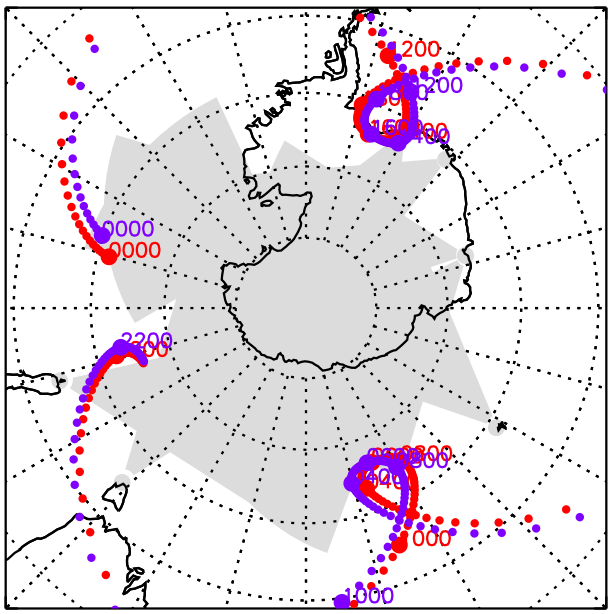
# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

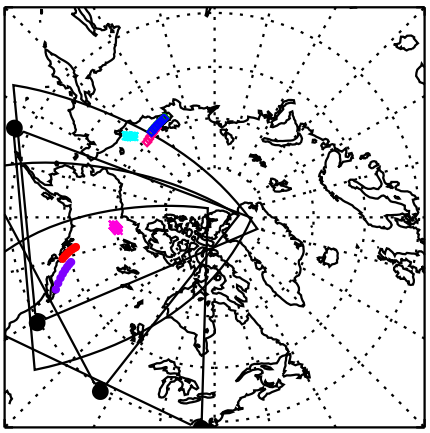
01−Mar−2014

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

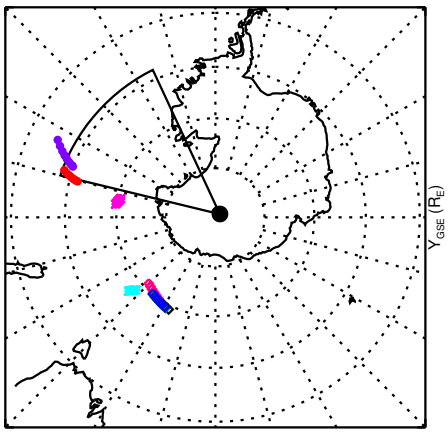


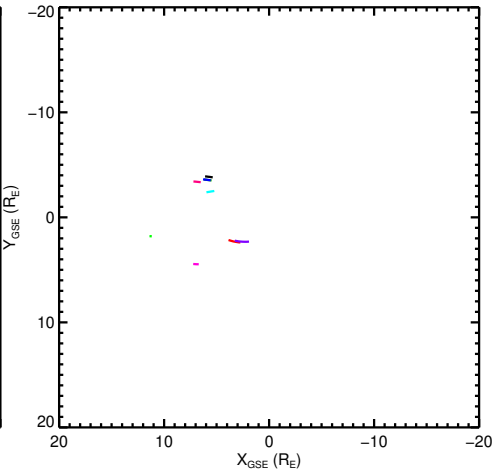


(a) 0000UT to 0035UT
ade bks cvw fhw

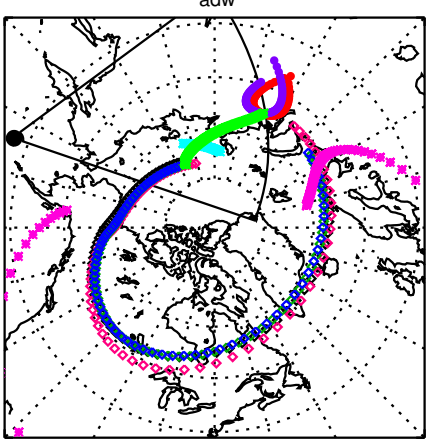


dce

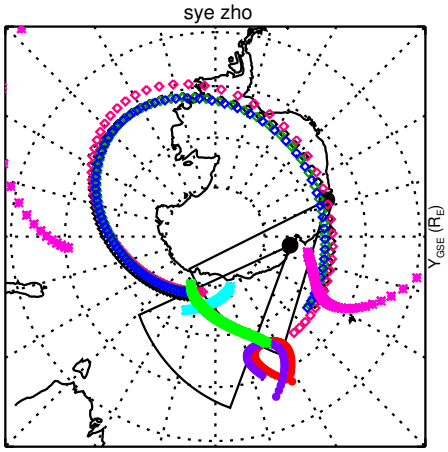


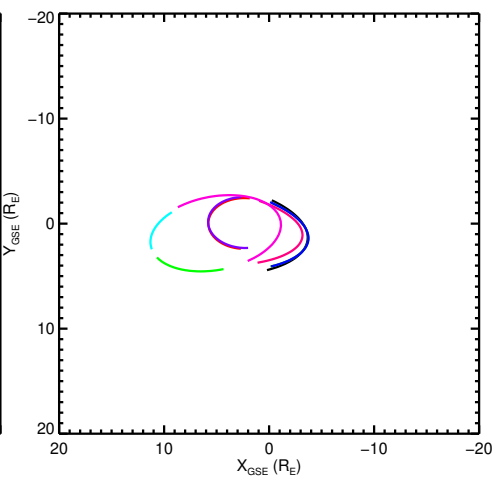



(b) 0305UT to 0935UT
adw

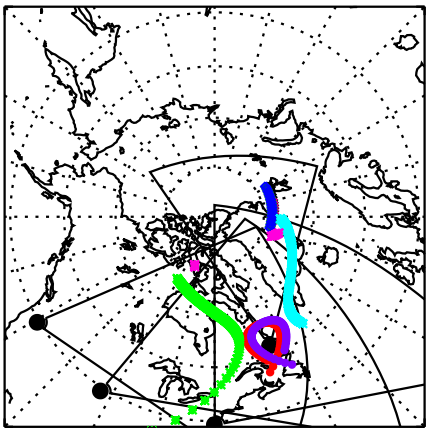


sye zho

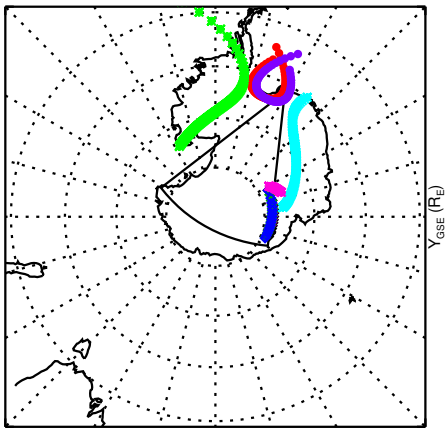


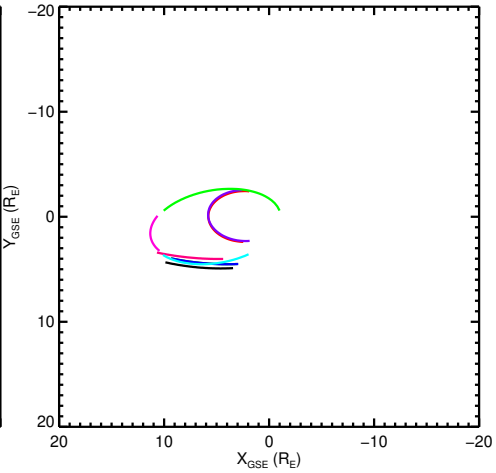


(c) 1205UT to 1840UT
cve fhe gbr wal

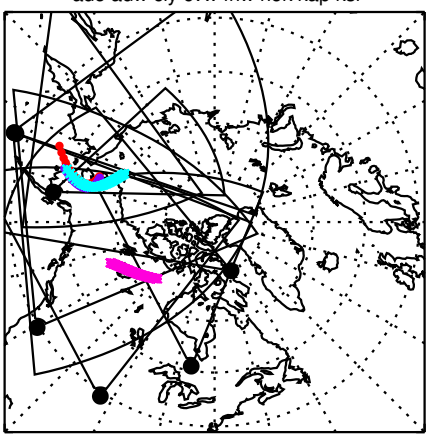


hal

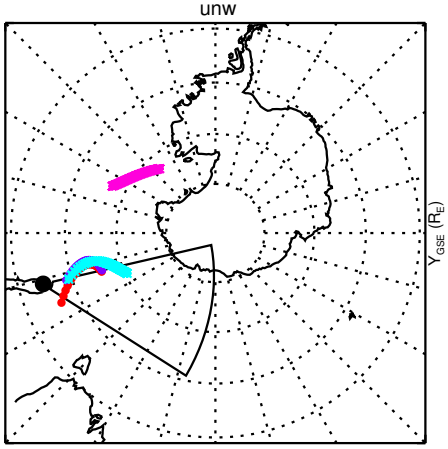


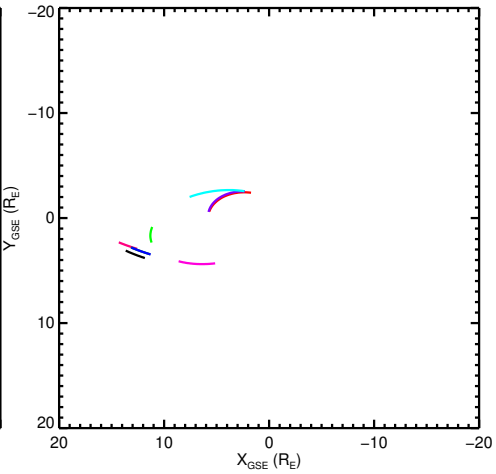



(d) 2100UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw

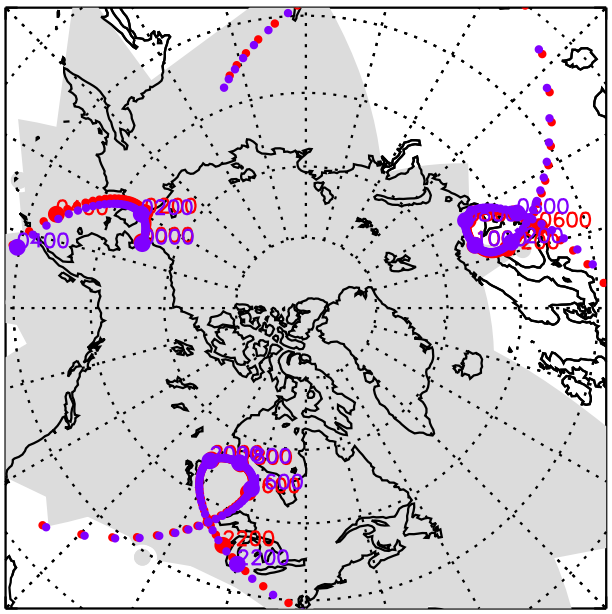


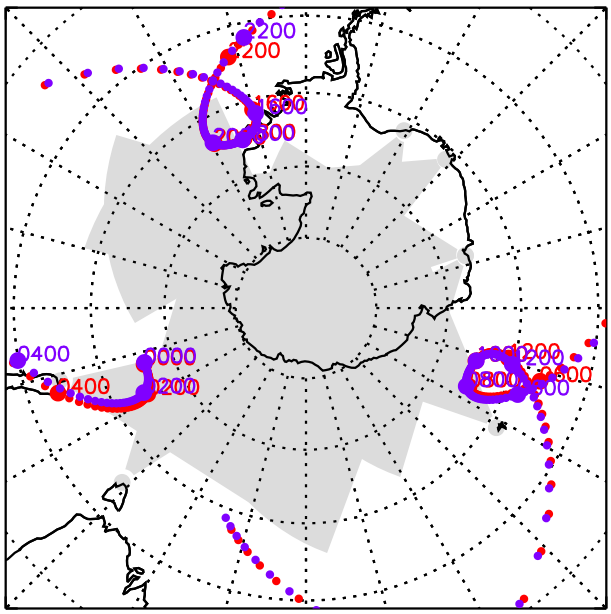


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

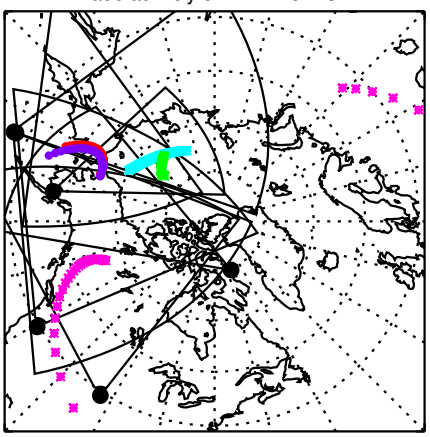
02–Mar–2014

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

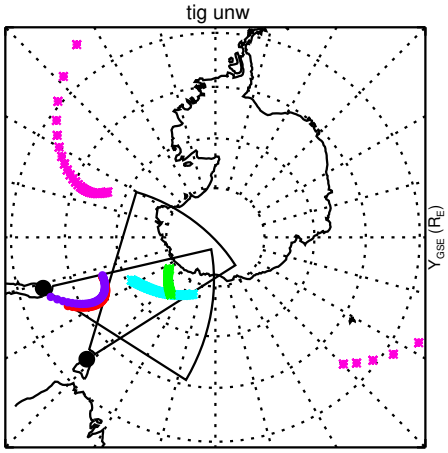


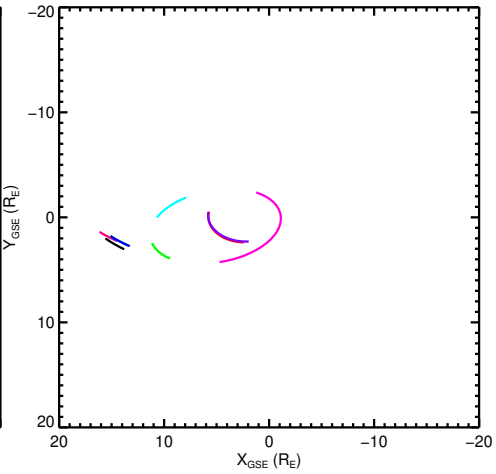


(a) 0000UT to 0340UT
ade adw cly cvw fhw hok ksr

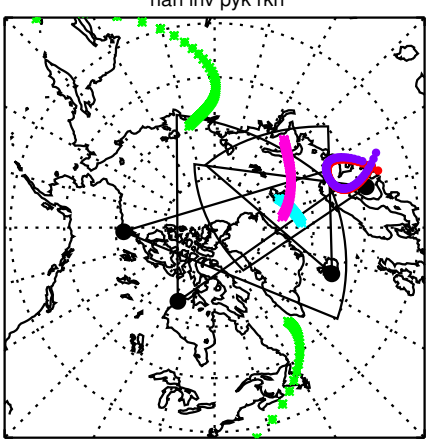


tig unw

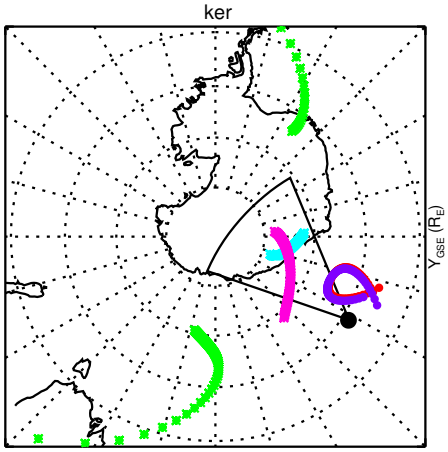


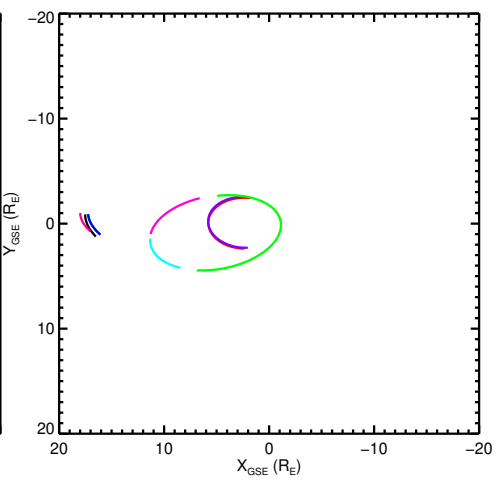


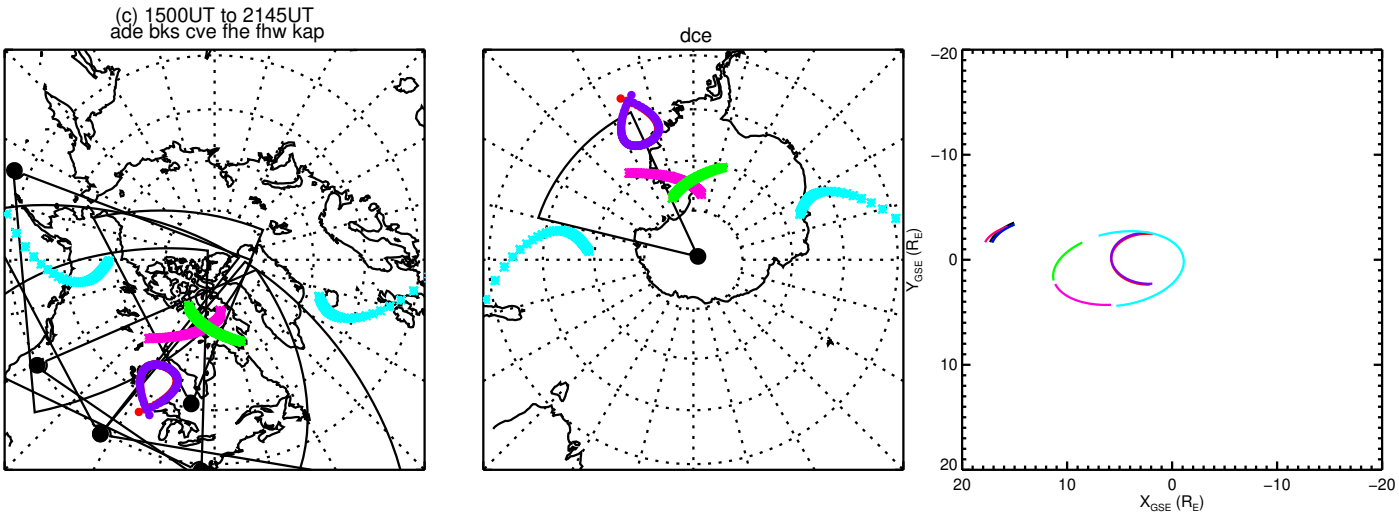

(b) 0600UT to 1240UT
han inv pyk rkn



ker



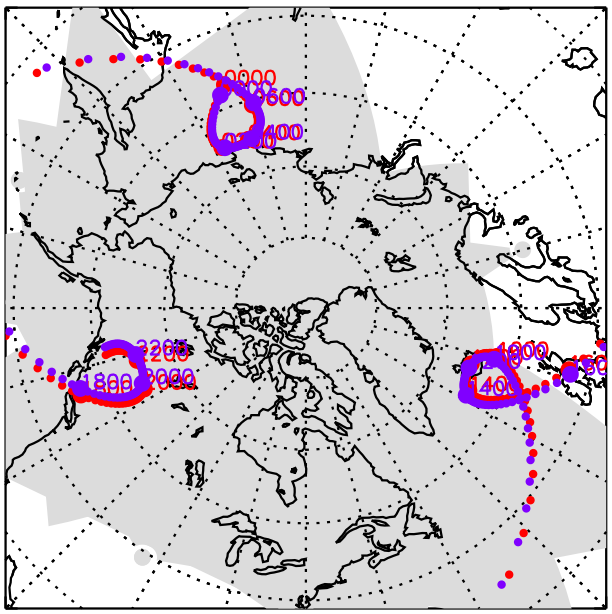


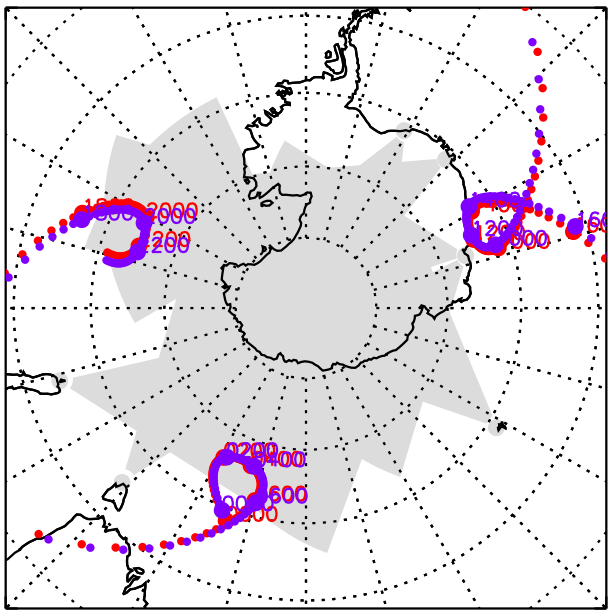

(c) 1500UT to 2145UT
ade bks cve fhe fhw kap
dce
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

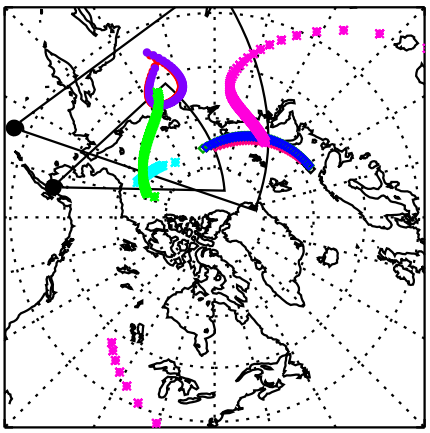
03–Mar–2014

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

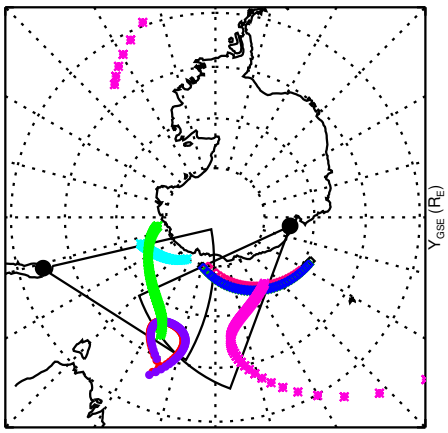


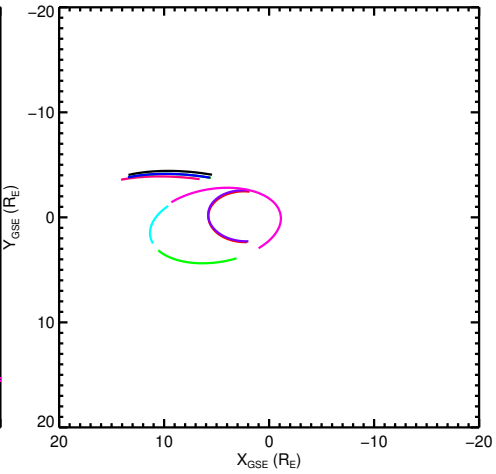


(a) 0000UT to 0645UT
adw ksr

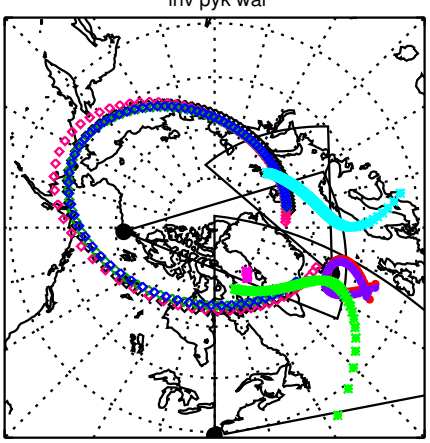


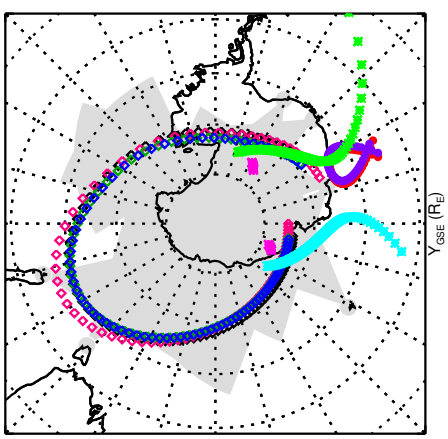
unw zho

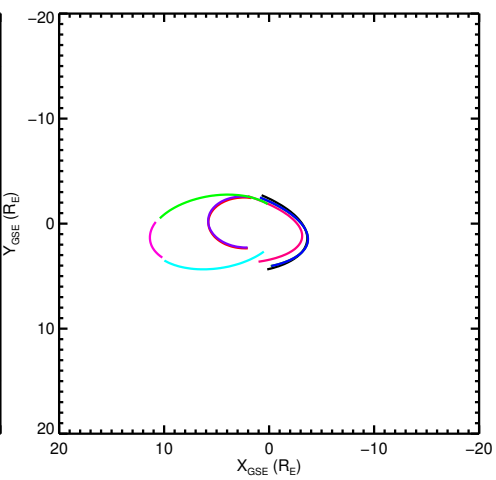


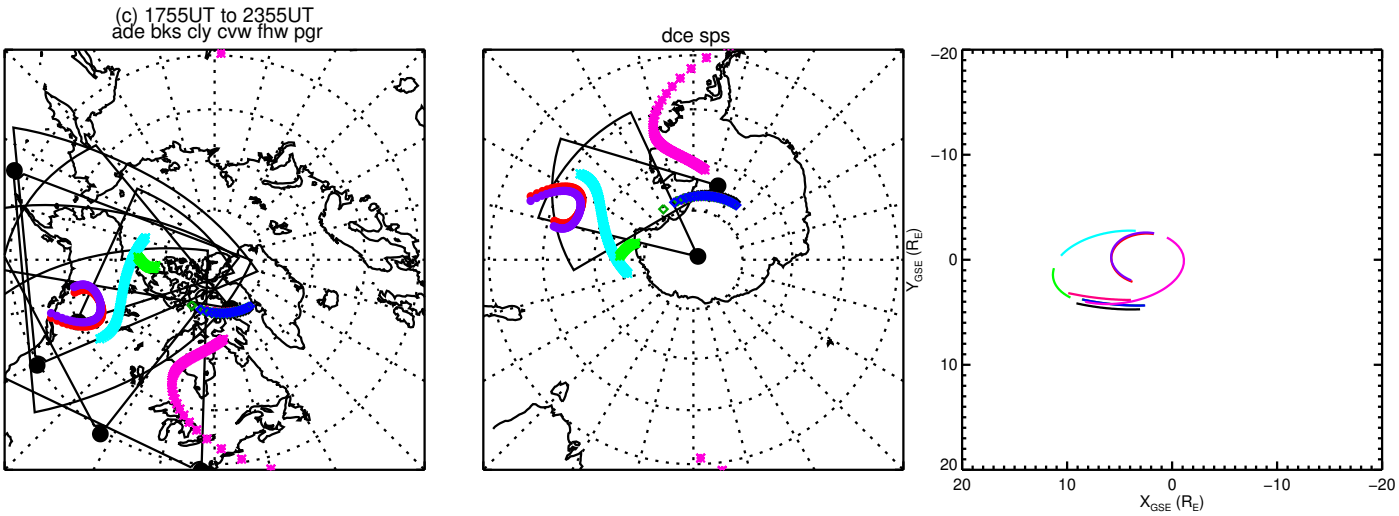



(b) 0855UT to 1545UT
inv pyk wal





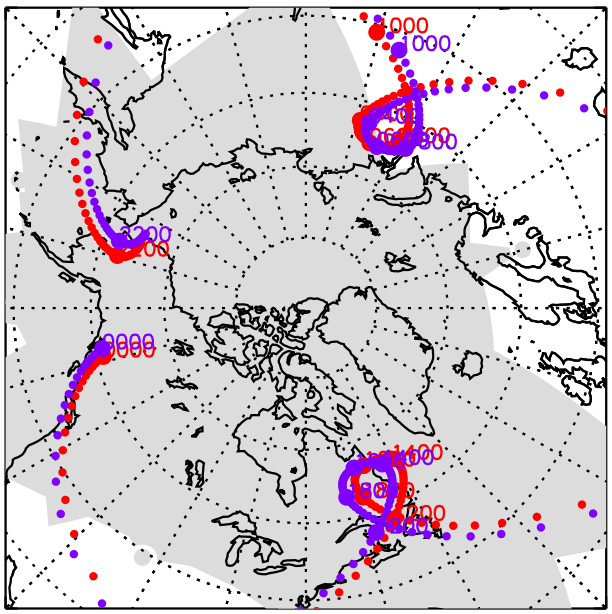


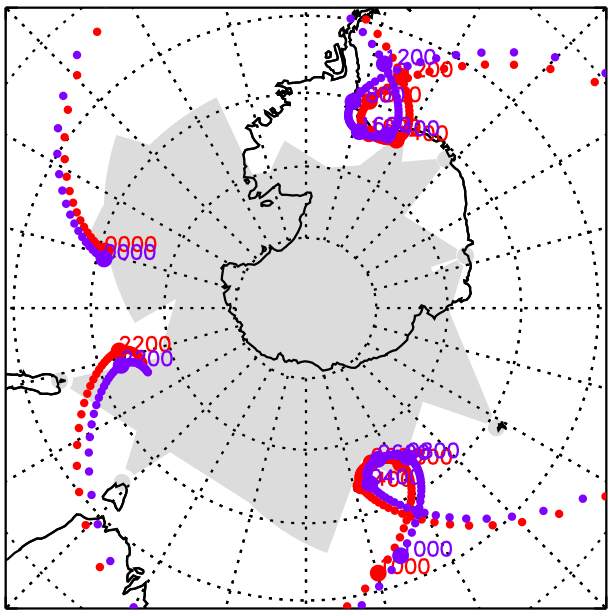

(c) 1755UT to 2355UT
ade bks cly cvw fhw pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

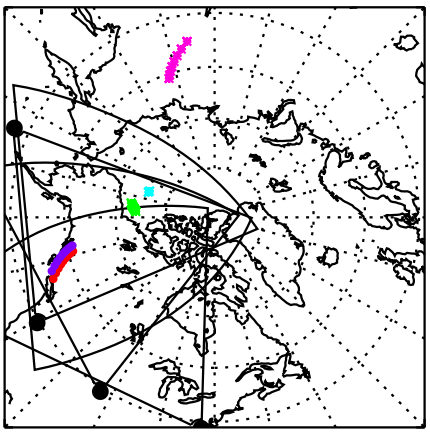
04–Mar–2014

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

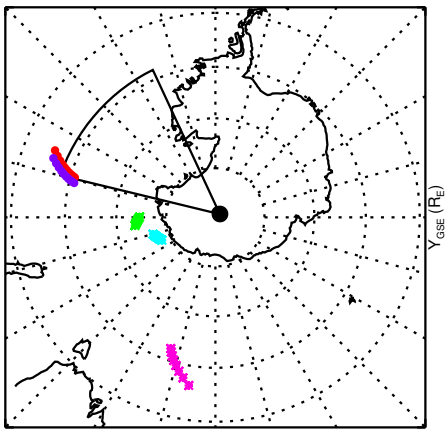


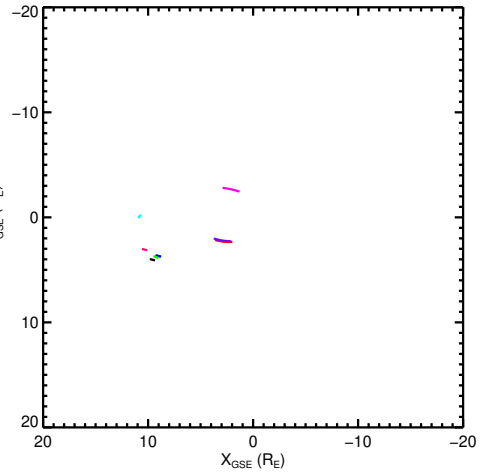


(a) 0000UT to 0045UT
ade bks cvw fhw

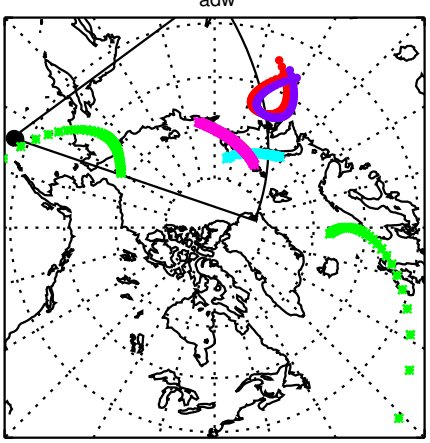


dce

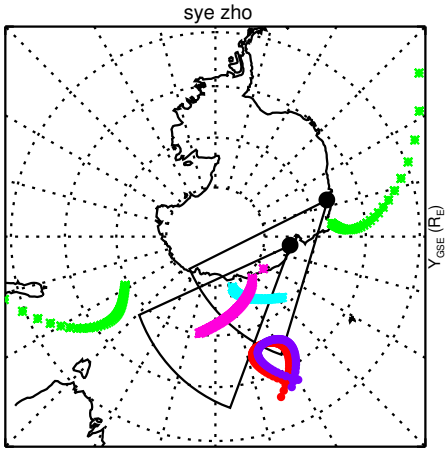


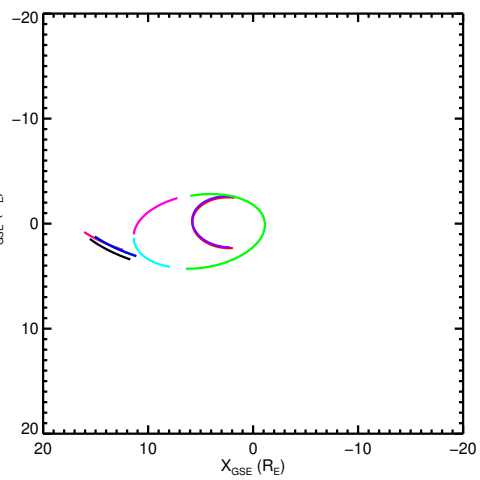



(b) 0255UT to 0945UT
adw

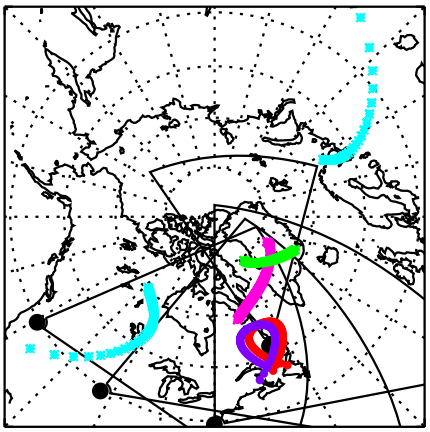


sye zho

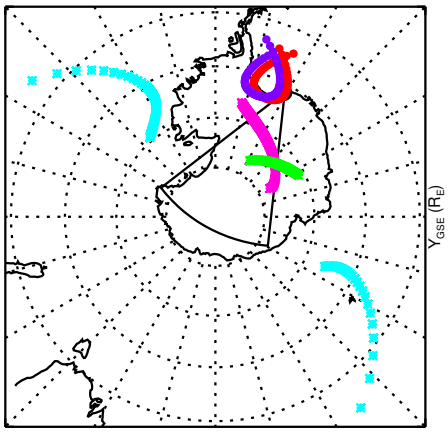


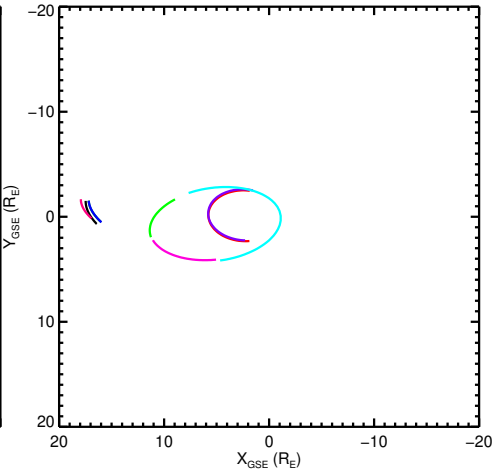


(c) 1155UT to 1845UT
cve fhe gbr wal

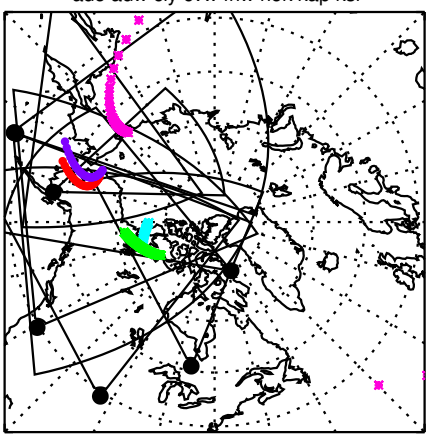


hal

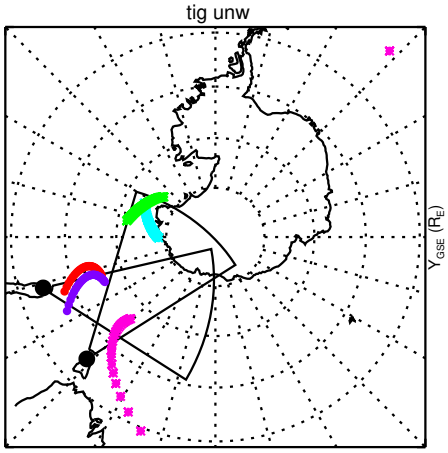


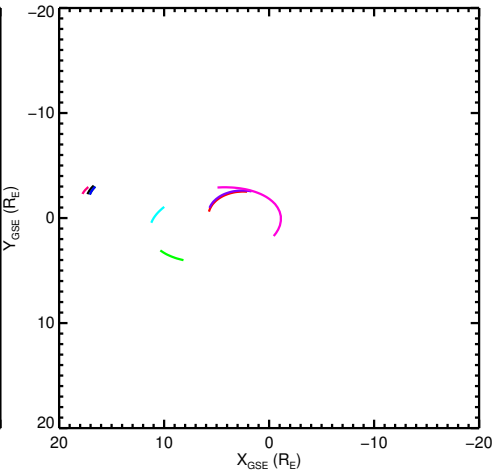



(d) 2100UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

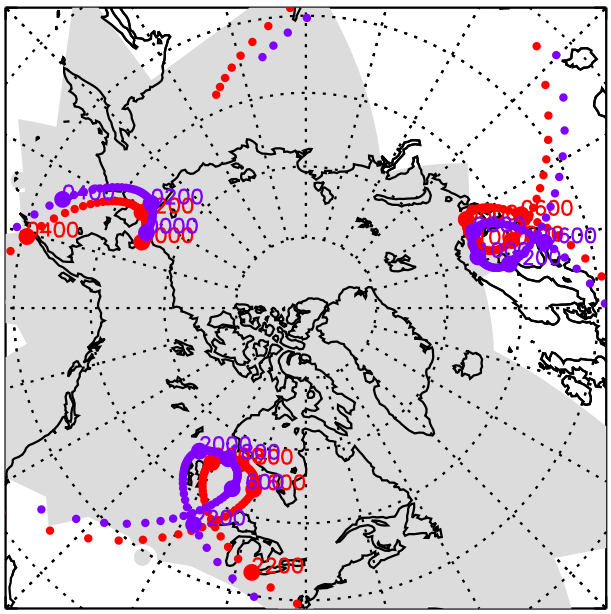


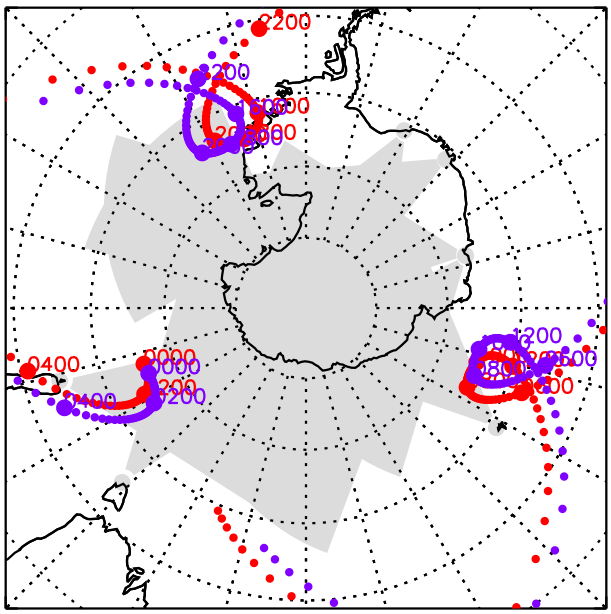


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

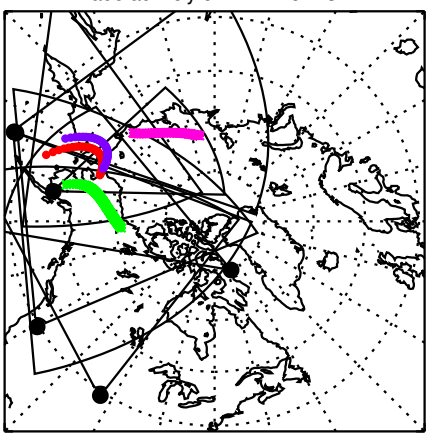
05–Mar–2014

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

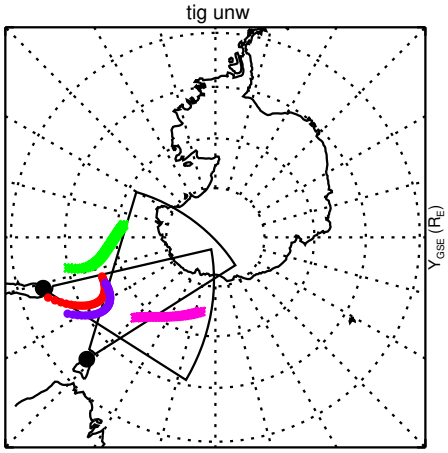


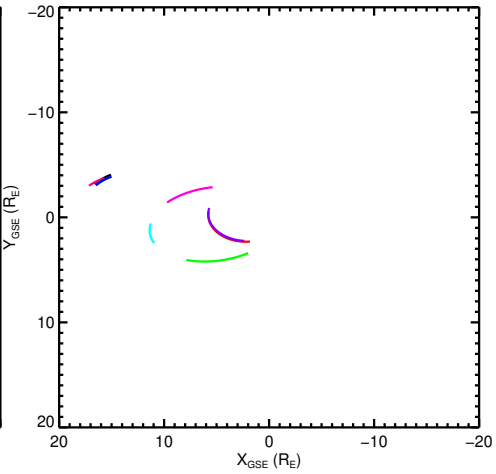


(a) 0000UT to 0345UT
ade adw cly cvw fhw hok ksr

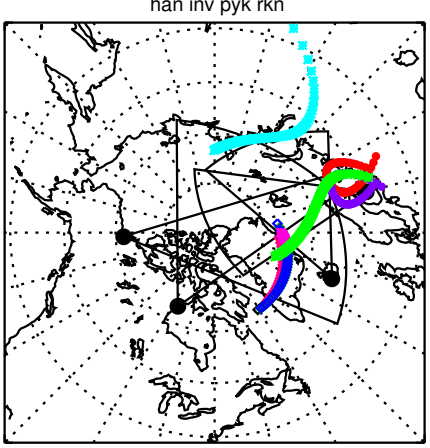


tig unw

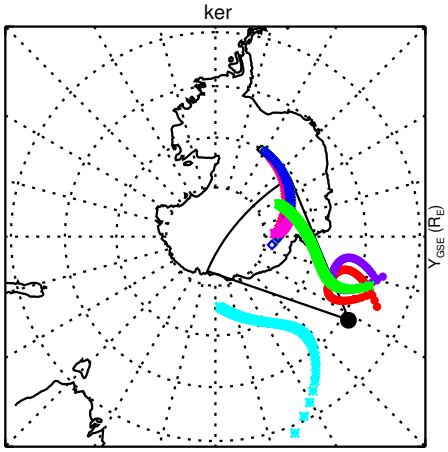


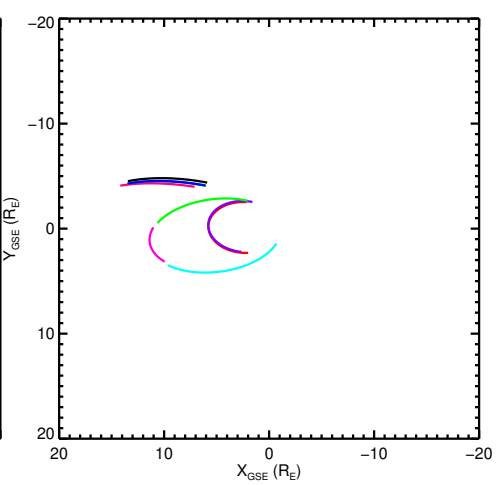


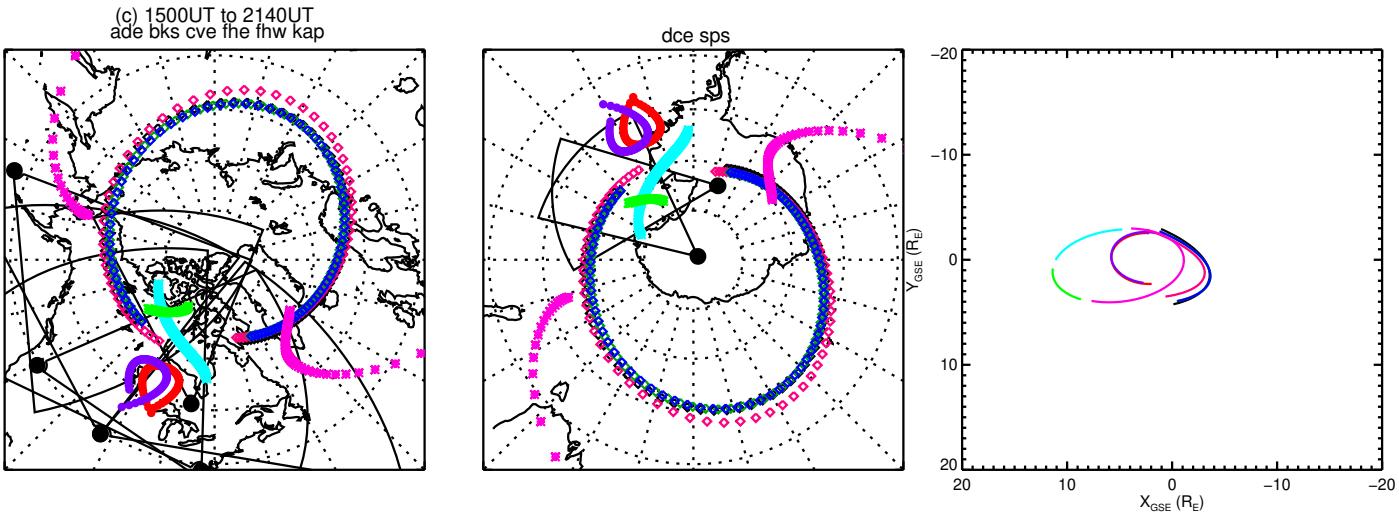

(b) 0600UT to 1240UT
han inv pyk rkn



ker



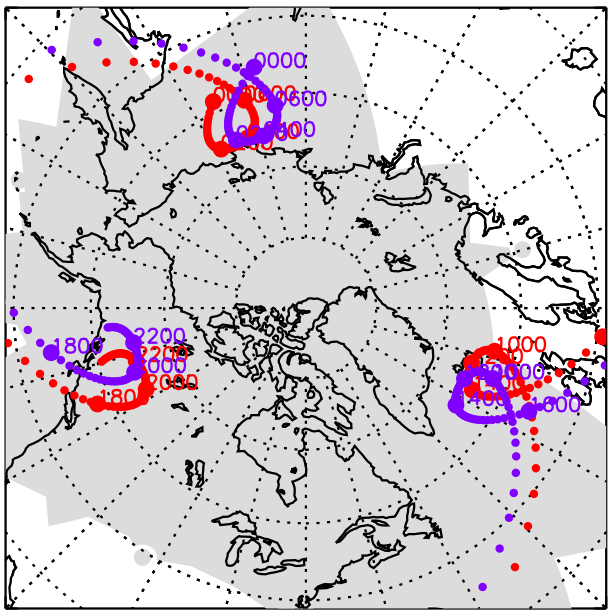


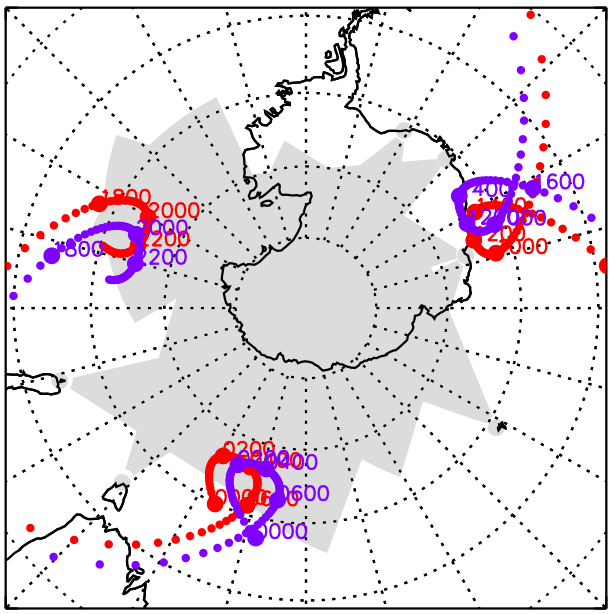

(c) 1500UT to 2140UT
ade bks cve fhe fhw kap
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

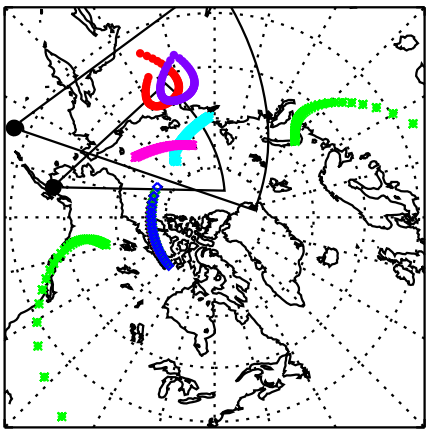
06–Mar–2014

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

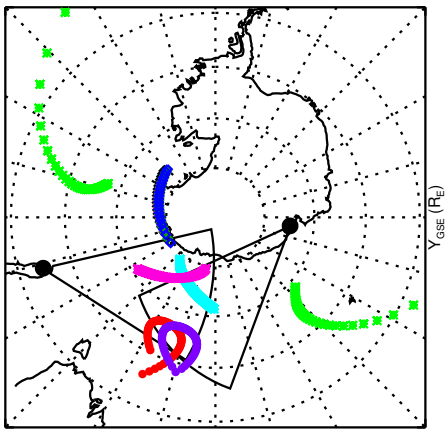


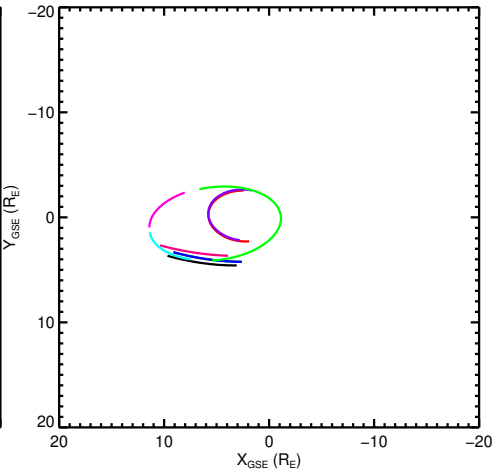


(a) 0005UT to 0640UT
adw ksr

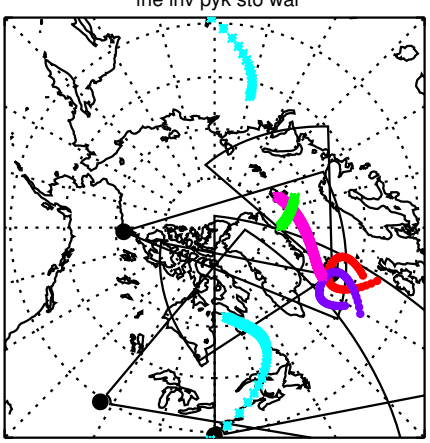


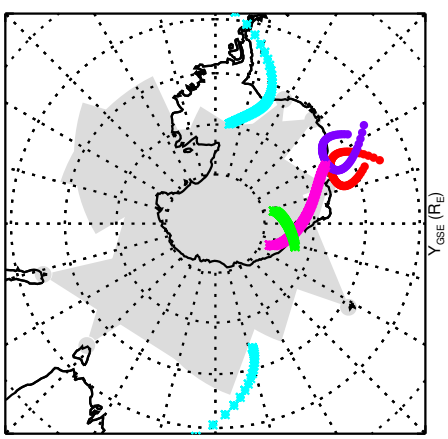
unw zho

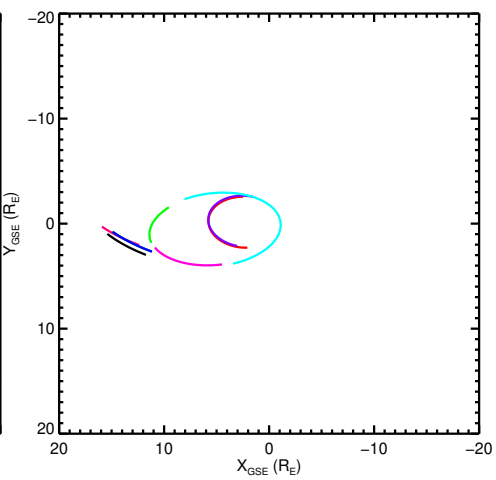


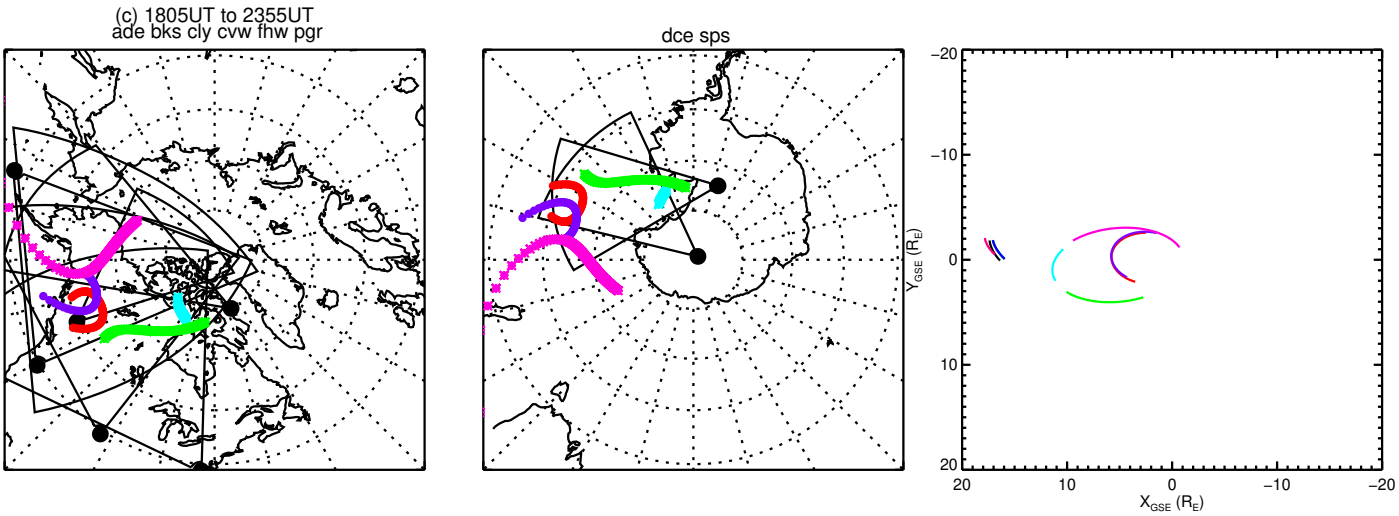



(b) 0905UT to 1535UT
fhe inv pyk sto wal





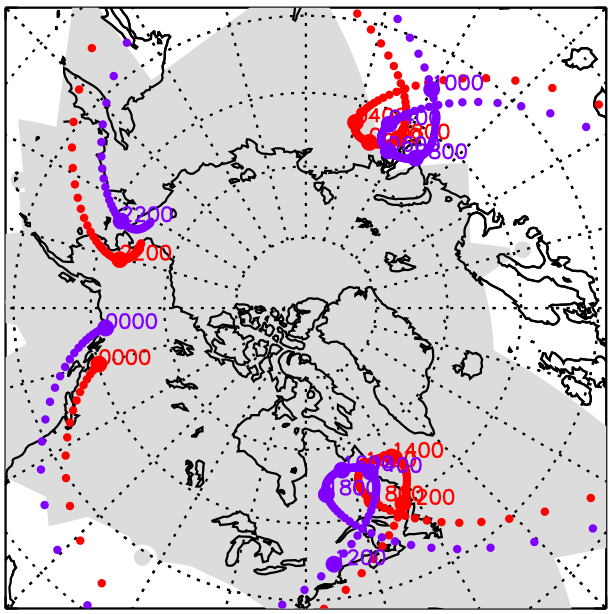


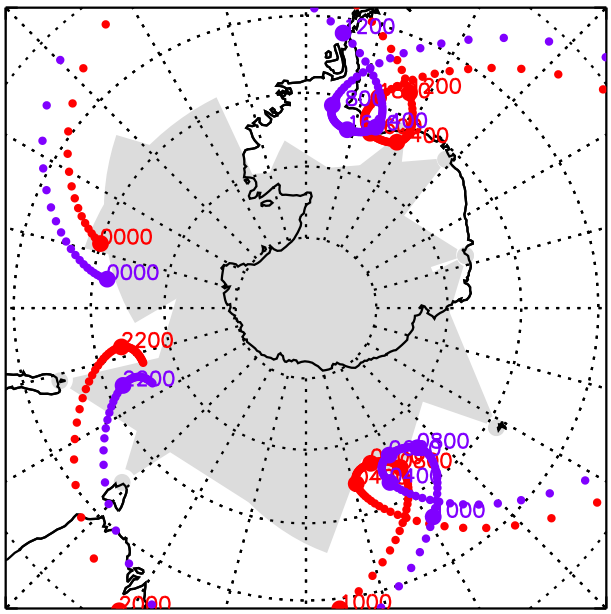

(c) 1805UT to 2355UT
ade bks cly cvw fhw pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

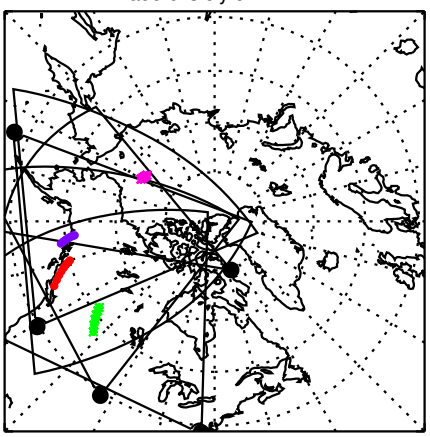
07–Mar–2014

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

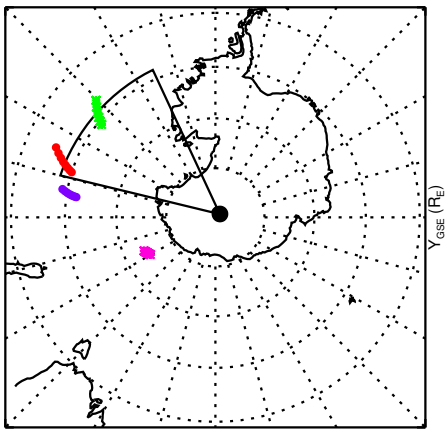


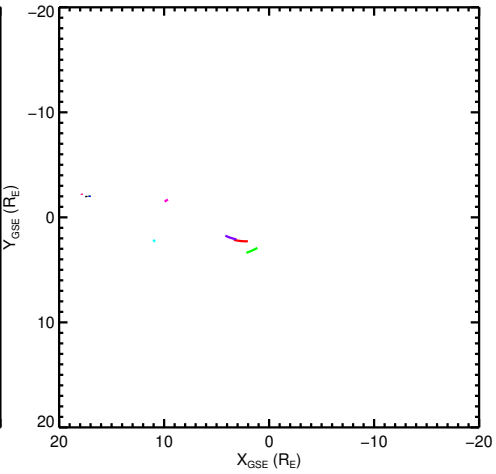


(a) 0000UT to 0035UT
ade bks cly cvw fhw

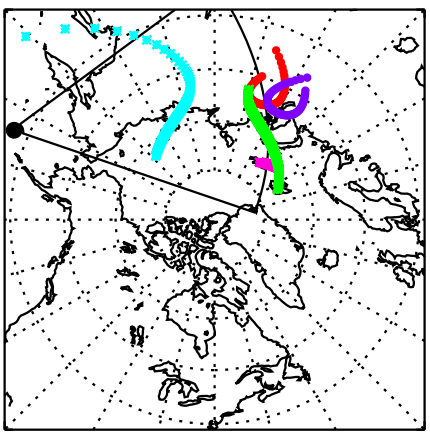


dce

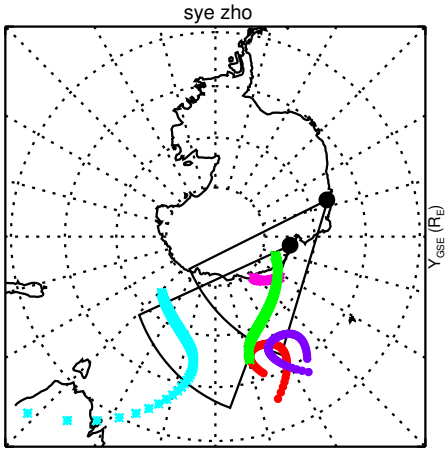


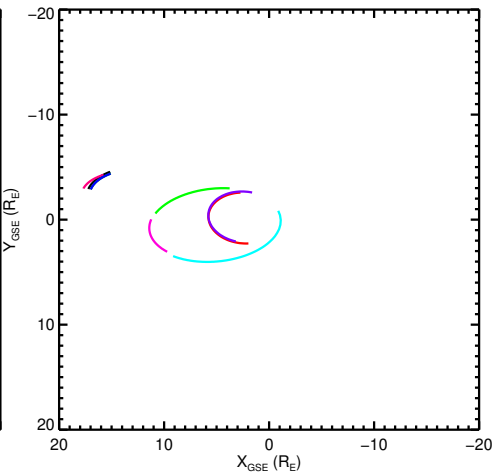



(b) 0310UT to 0935UT
adw

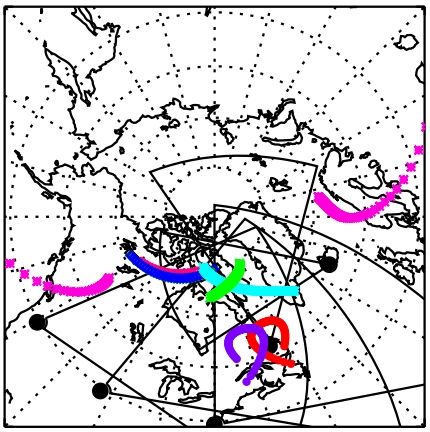


sye zho

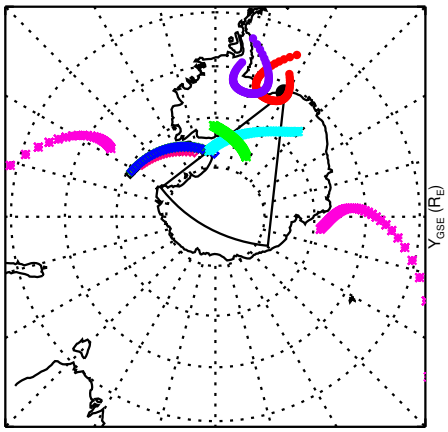


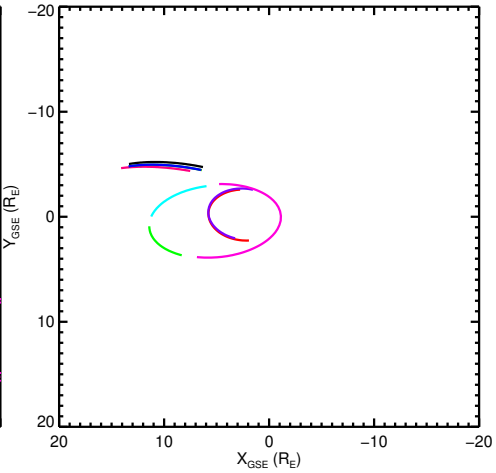


(c) 1210UT to 1835UT
cve fhe gbr sto wal

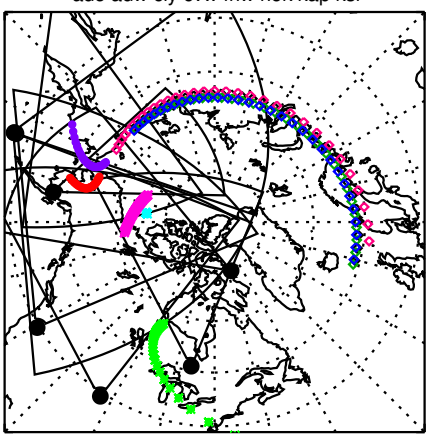


hal

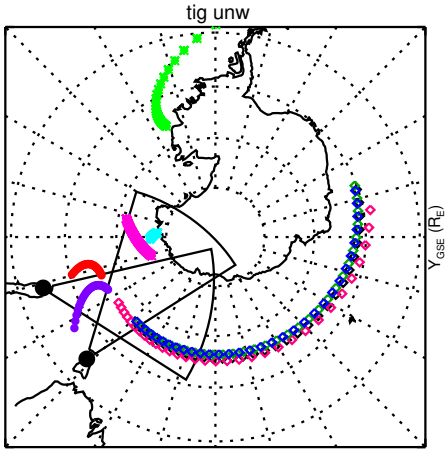


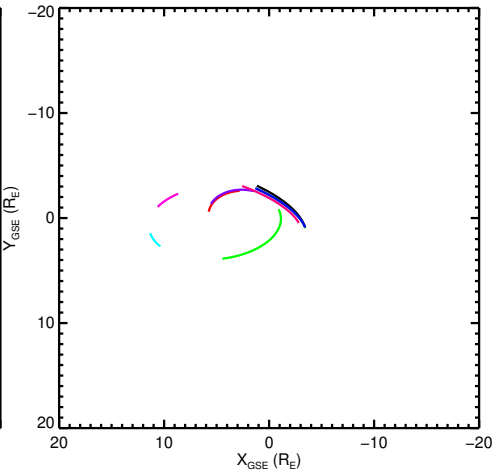



(d) 2110UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

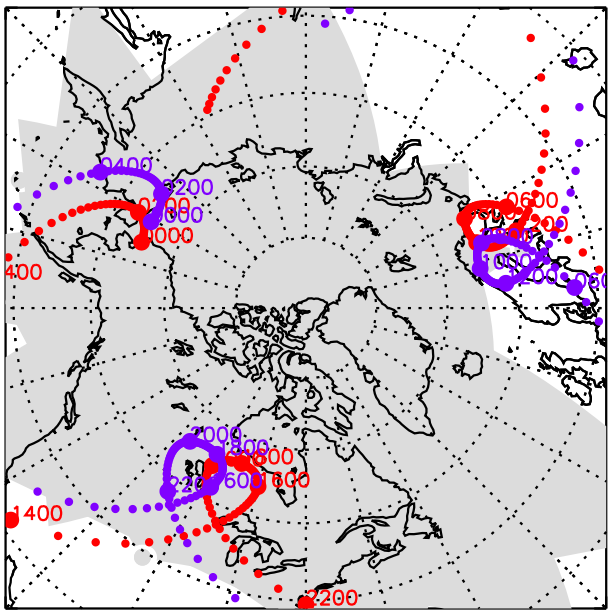


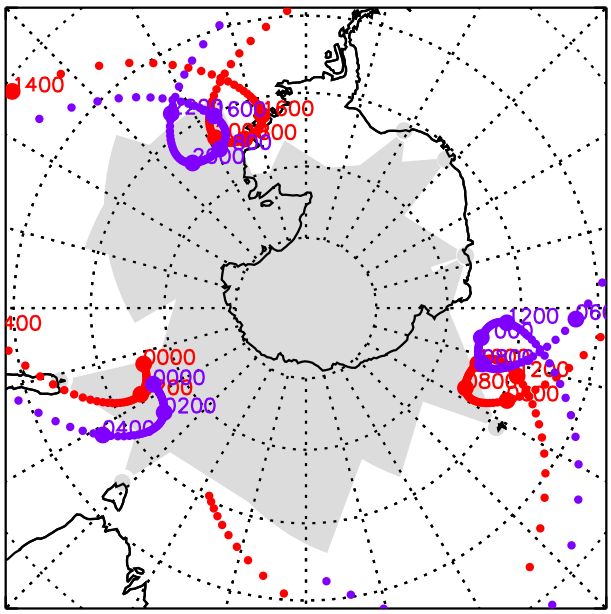


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

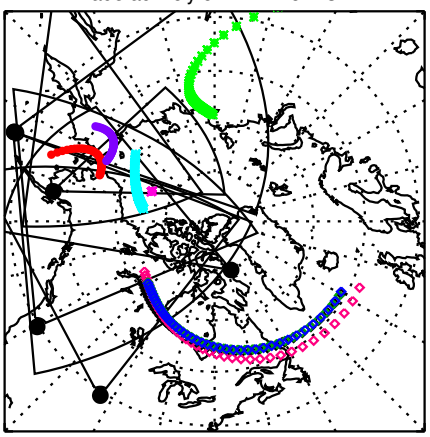
08–Mar–2014

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

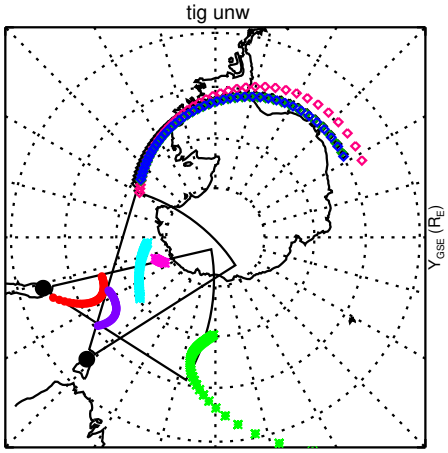


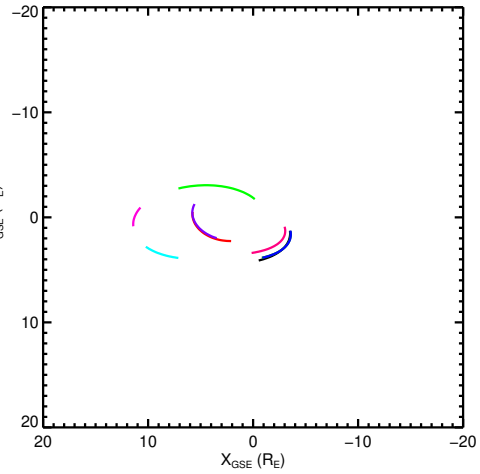


(a) 0000UT to 0330UT
ade adw cly cvw fhw hok ksr

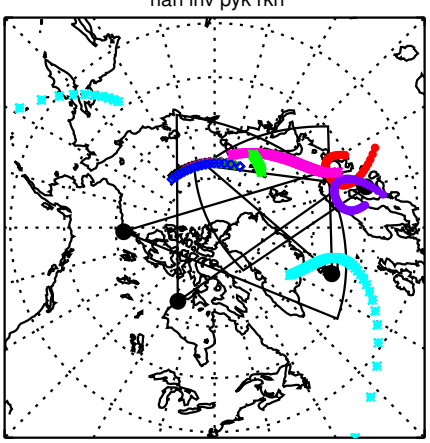


tig unw

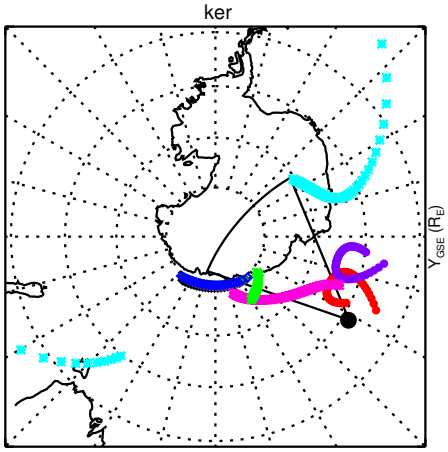


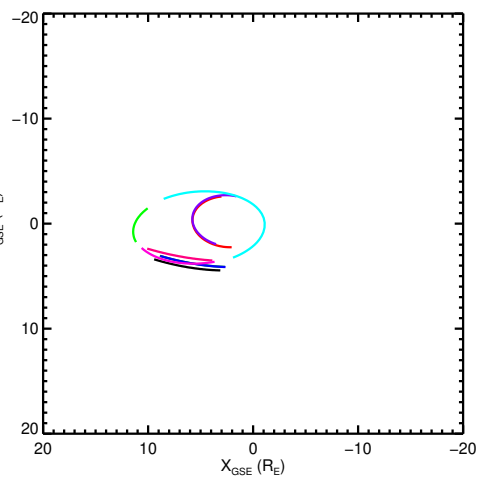


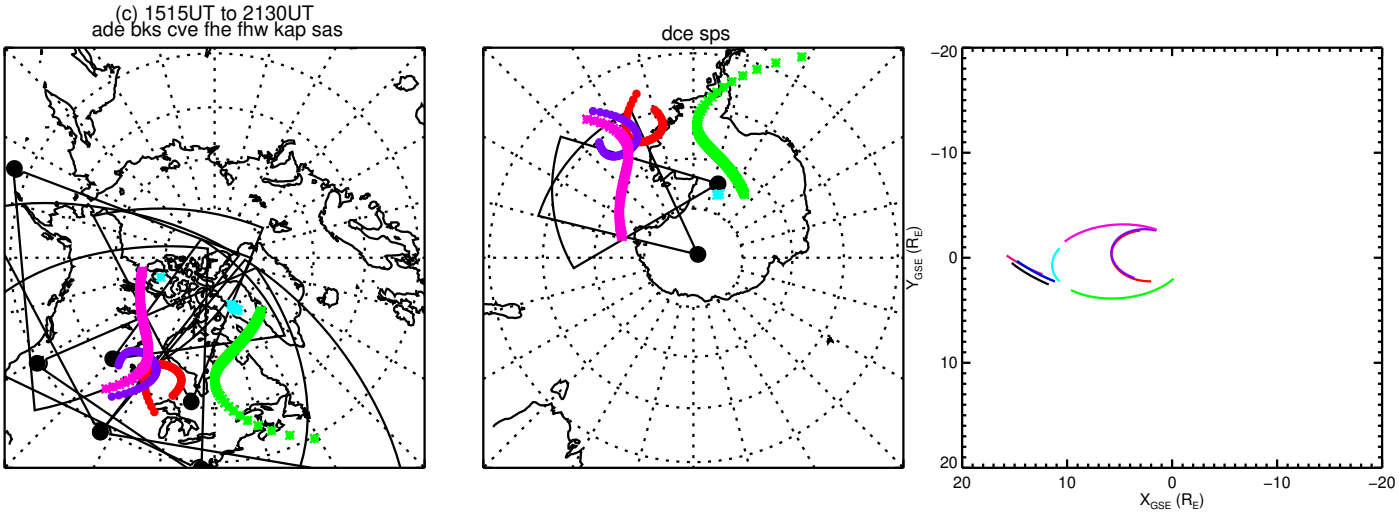

(b) 0615UT to 1230UT
han inv pyk rkn



ker



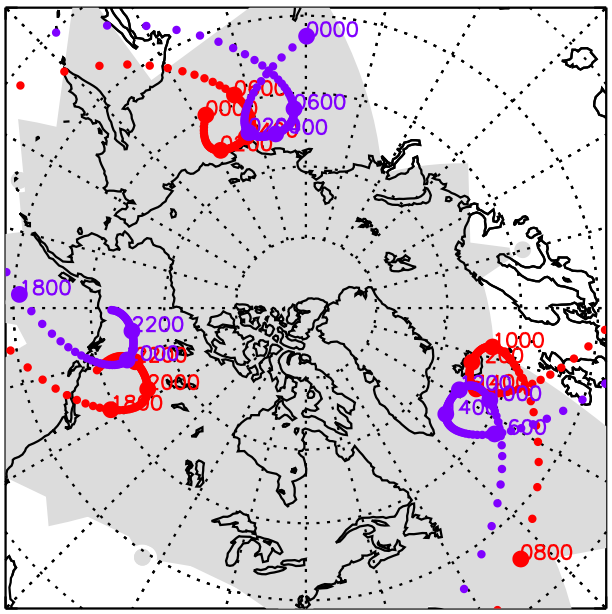


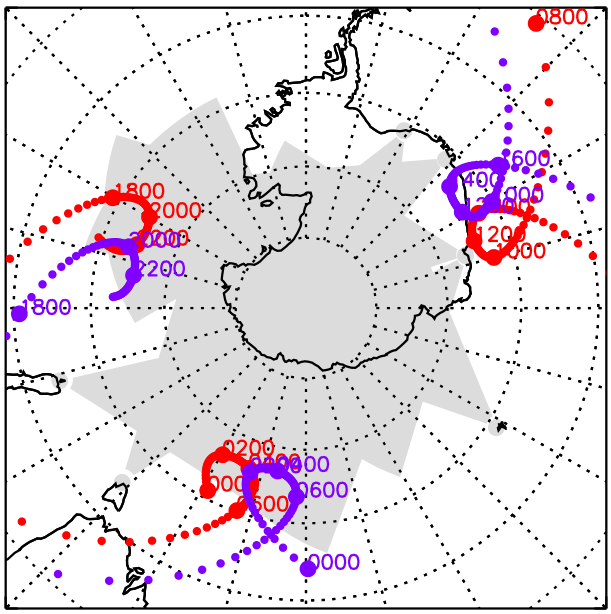

(c) 1515UT to 2130UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

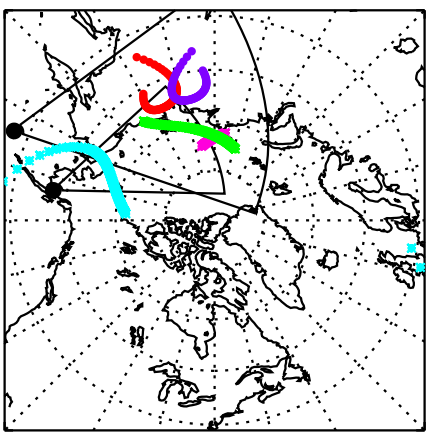
09–Mar–2014

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

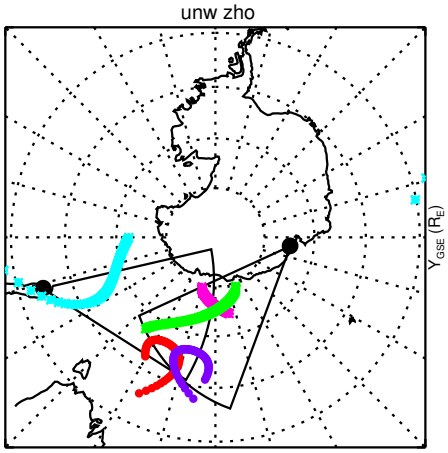


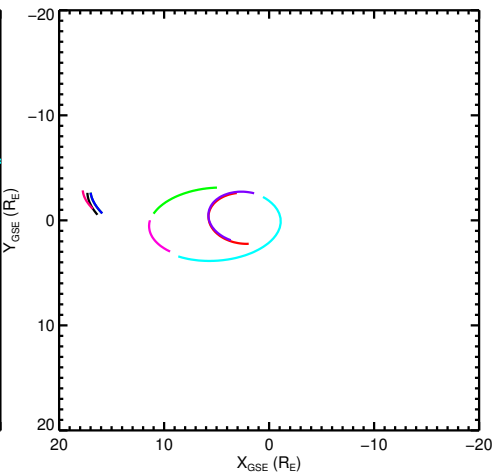


(a) 0015UT to 0630UT
adw ksr

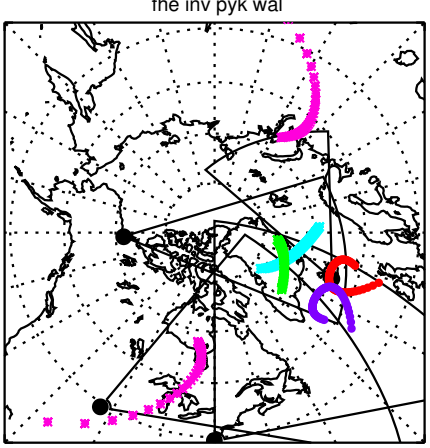


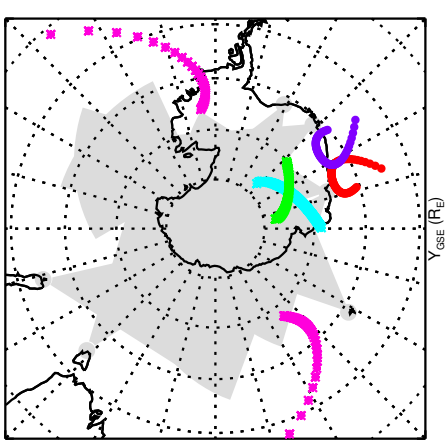
unw zho

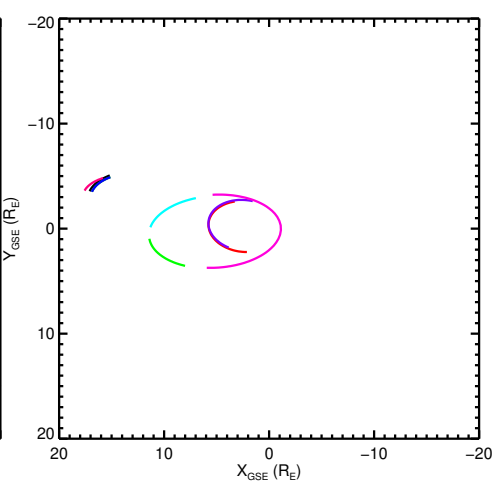


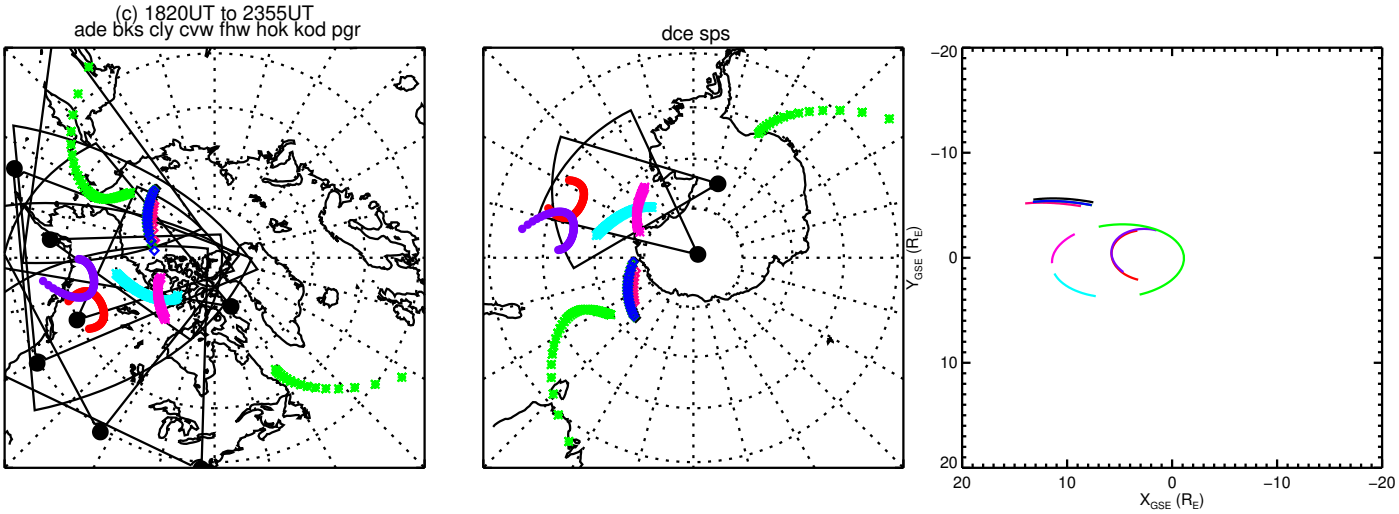



(b) 0920UT to 1525UT
fhe inv pyk wal





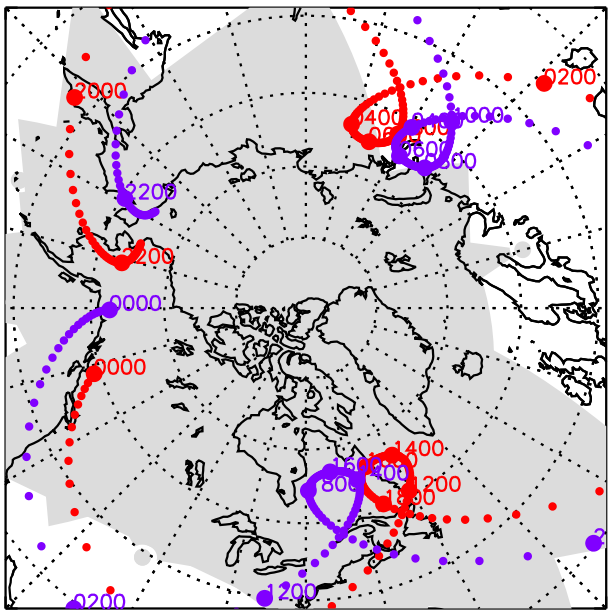


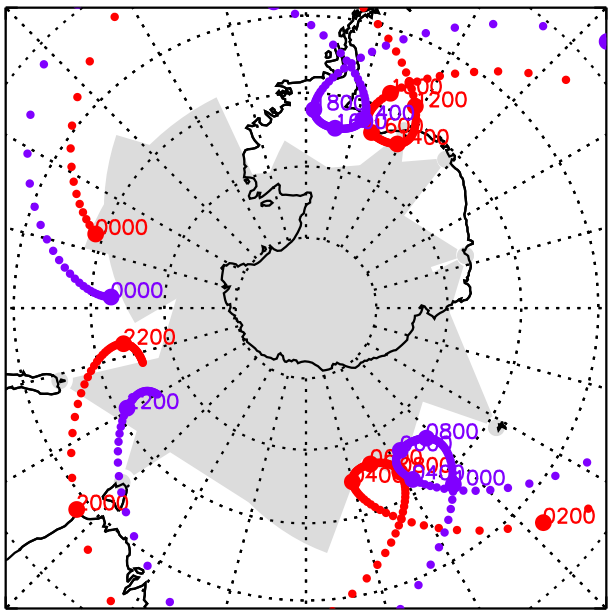

(c) 1820UT to 2355UT
ade bks cly cvw fhw hok kod pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

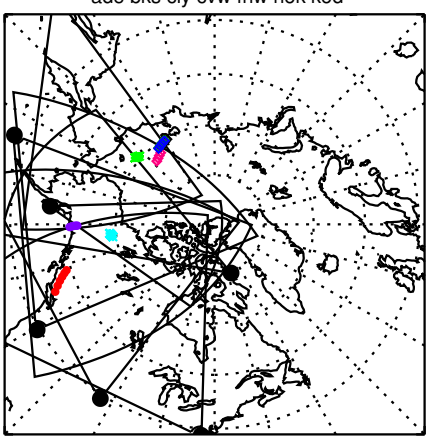
10–Mar–2014

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

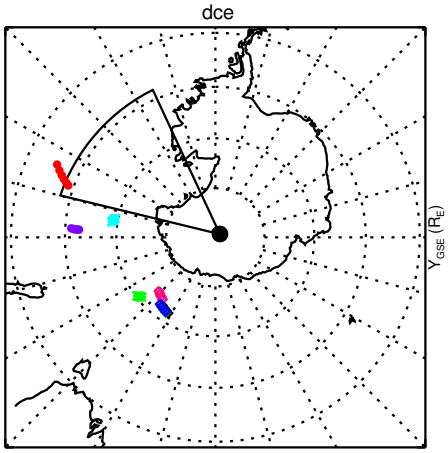


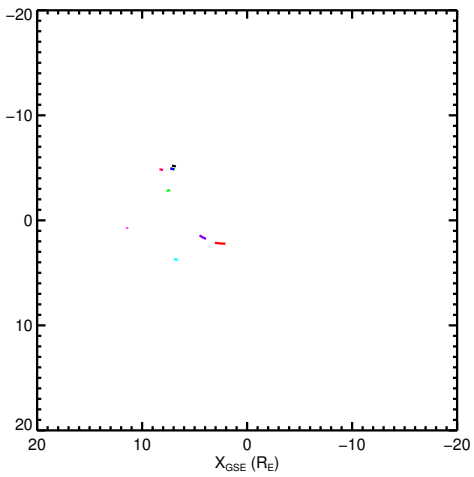


(a) 0000UT to 0025UT
ade bks cly cvw fhw hok kod

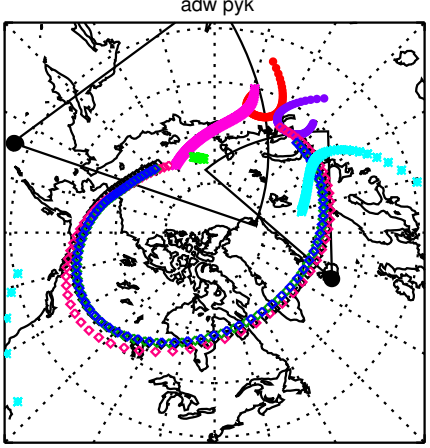


dce

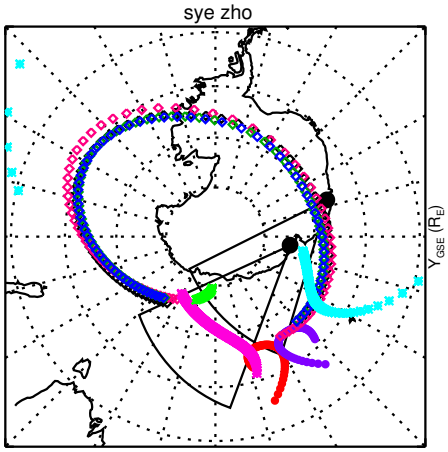


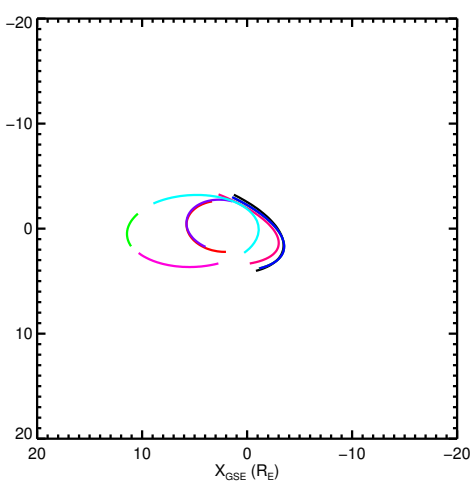



(b) 0320UT to 0925UT
adw pyk

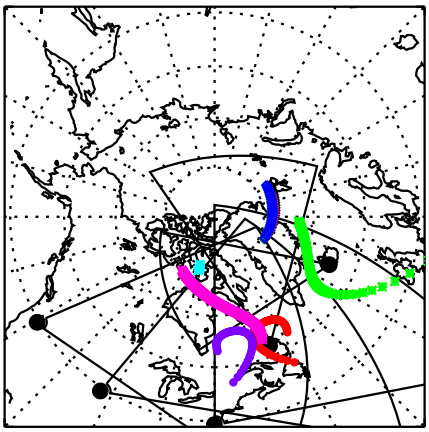


sye zho

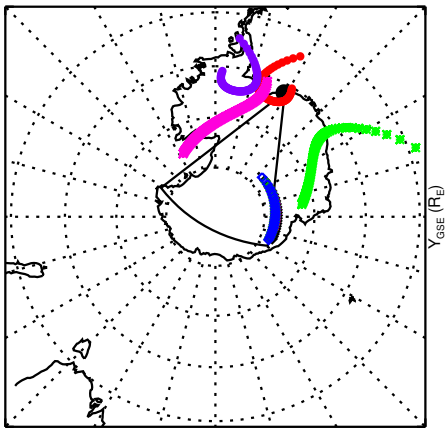


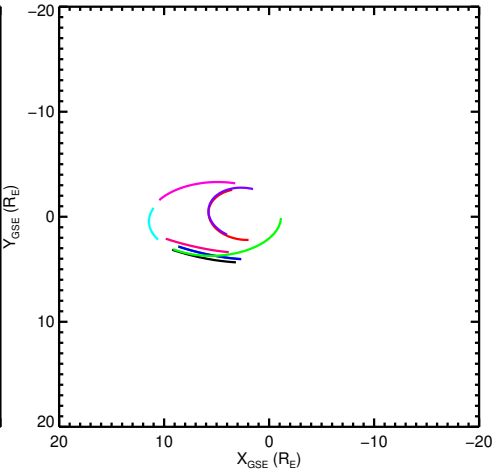


(c) 1225UT to 1825UT
cve fhe gbr sto wal

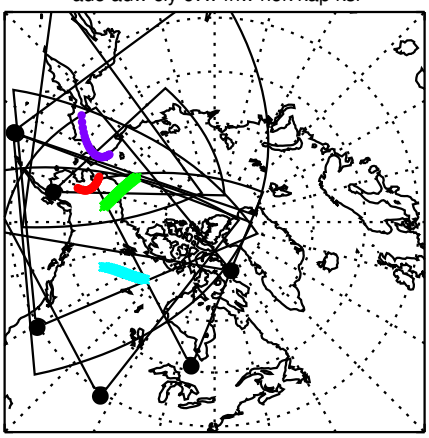


hal

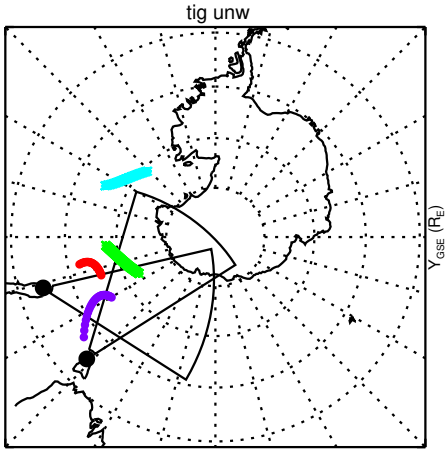


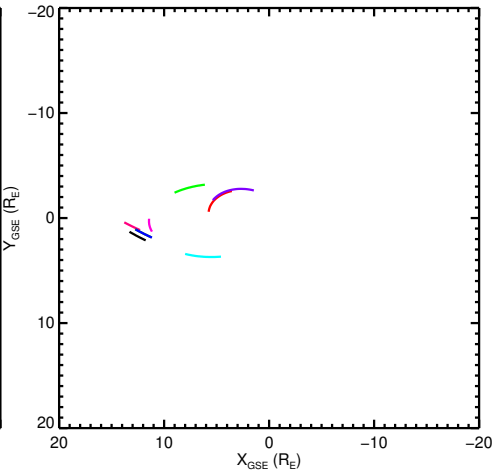



(d) 2125UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

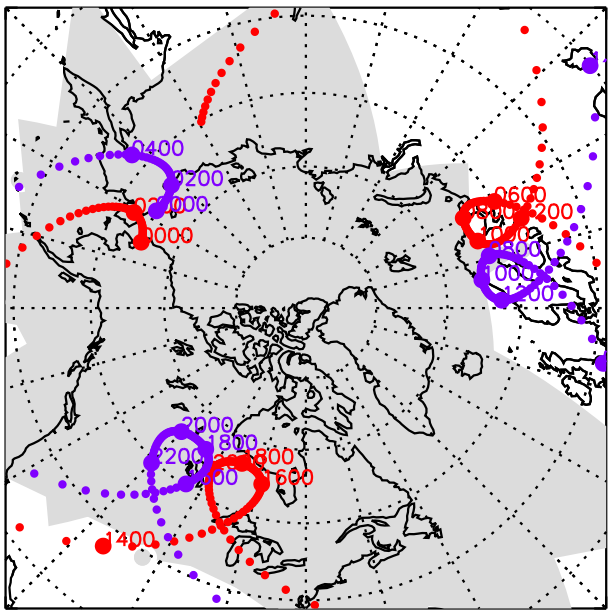


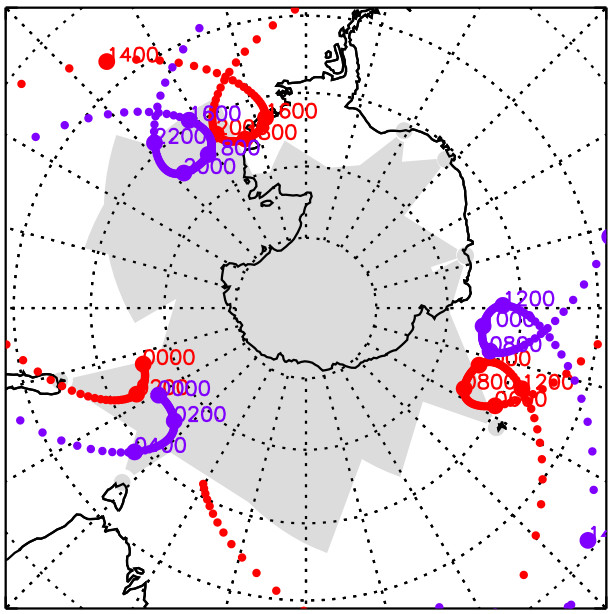


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

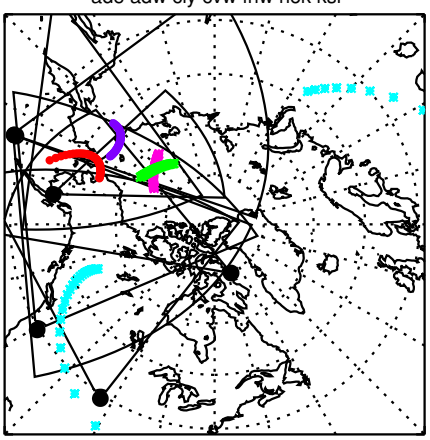
11–Mar–2014

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

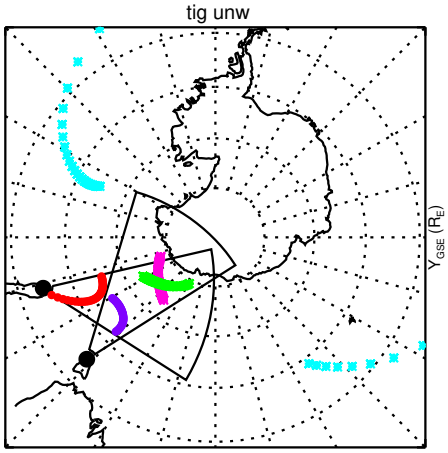


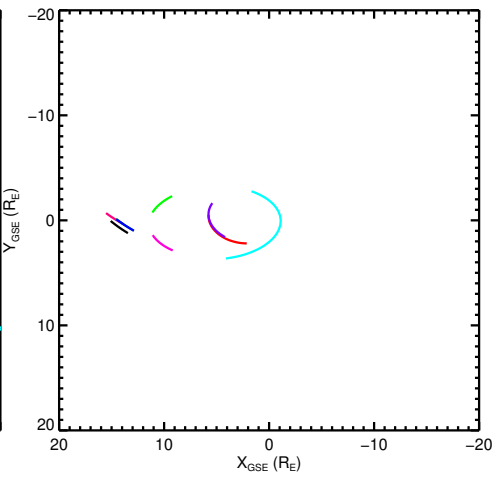


(a) 0000UT to 0320UT
ade adw cly cvw fhw hok ksr

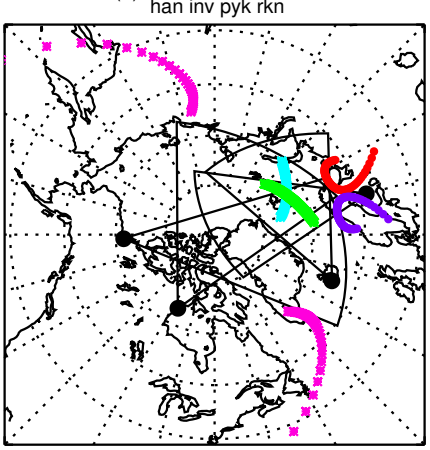


tig unw






(b) 0625UT to 1220UT
han inv pyk rkn



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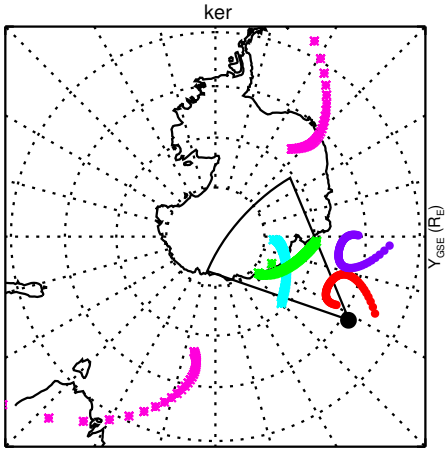
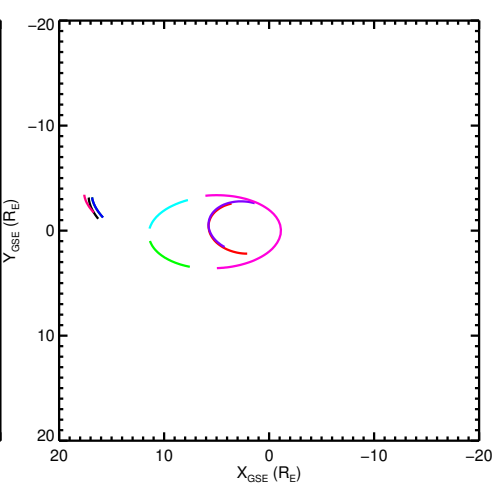
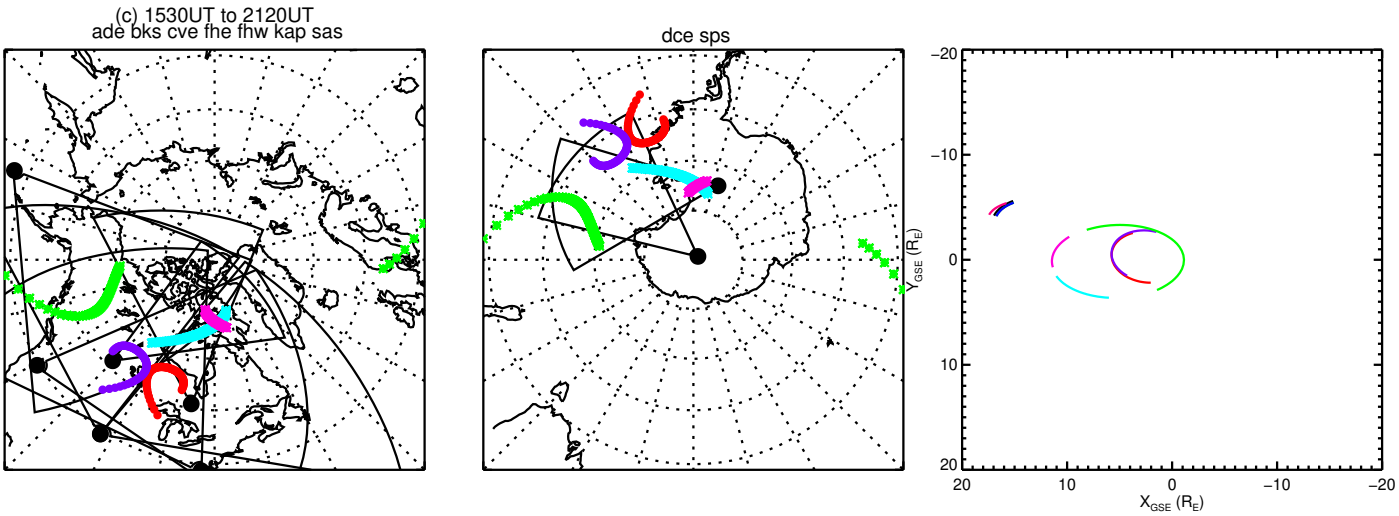


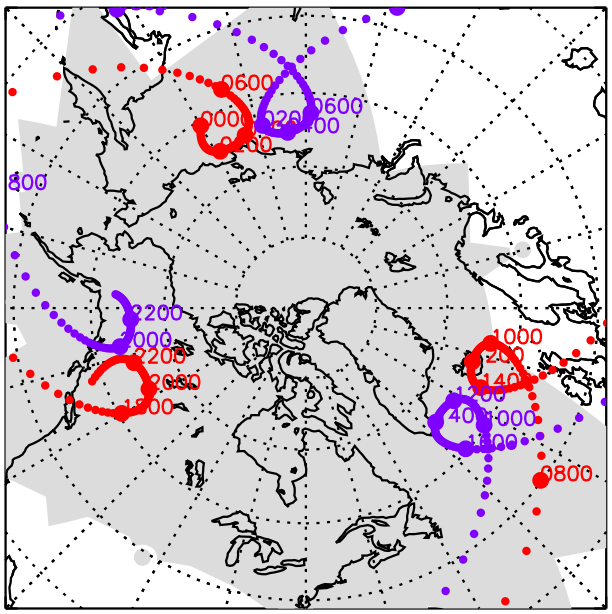


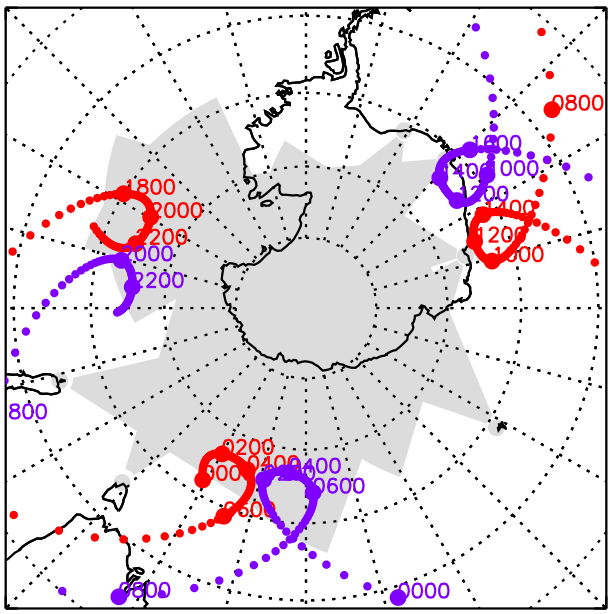

(c) 1530UT to 2120UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

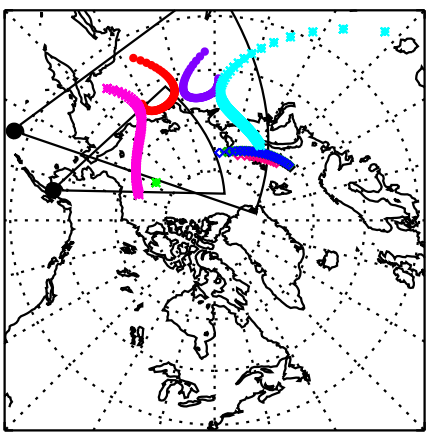
12–Mar–2014

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

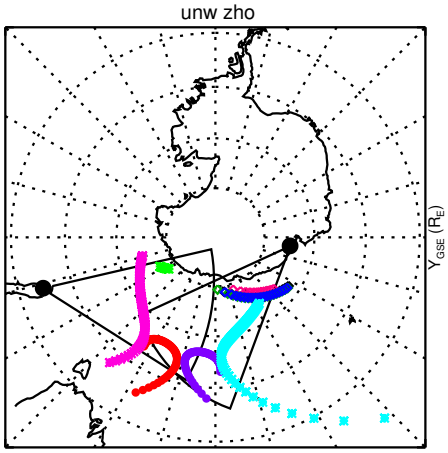


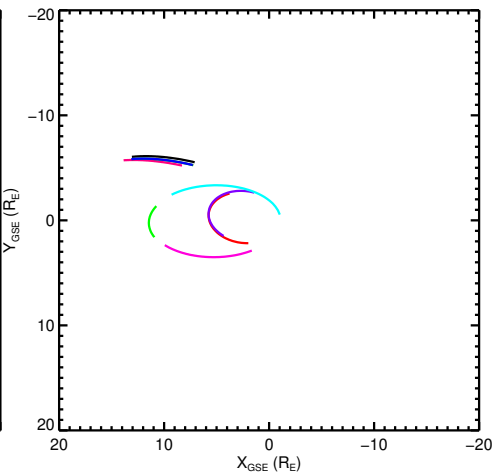


(a) 0030UT to 0620UT
adw ksr

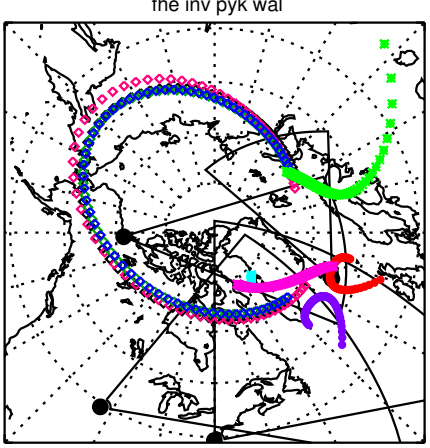


unw zho

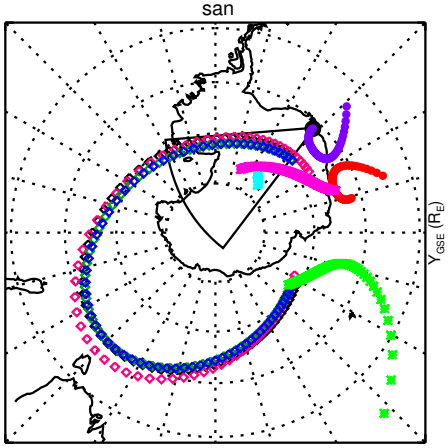


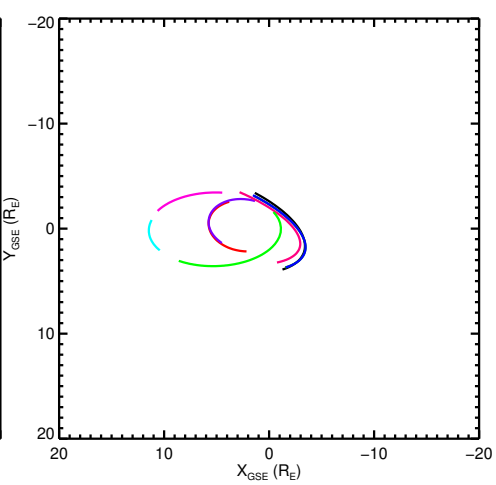


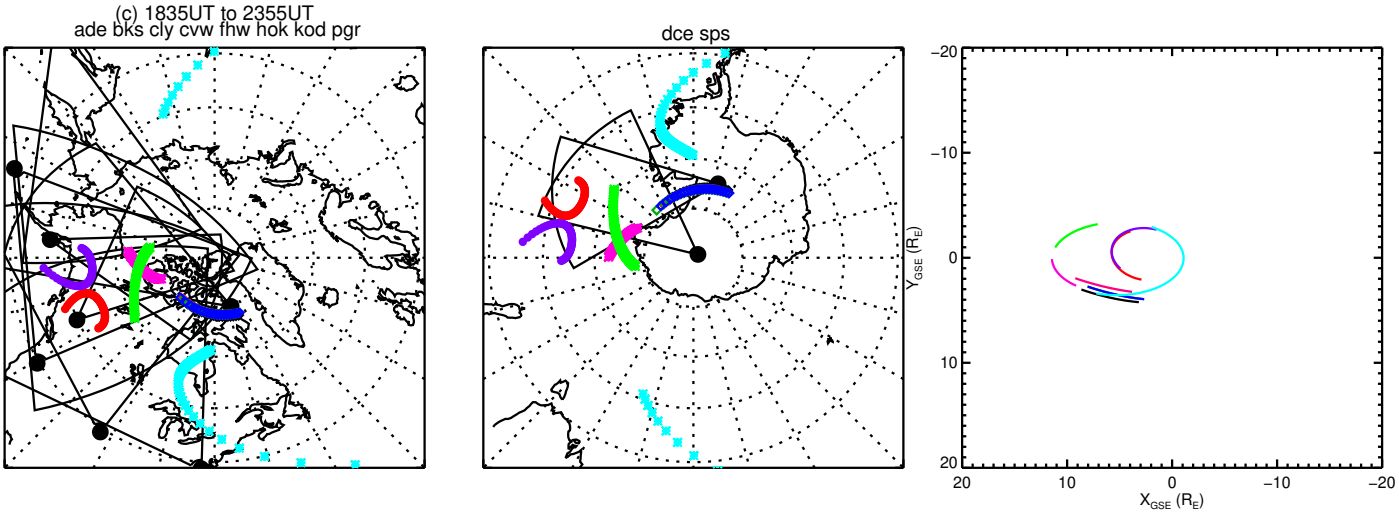

(b) 0930UT to 1515UT
fhe inv pyk wal



san



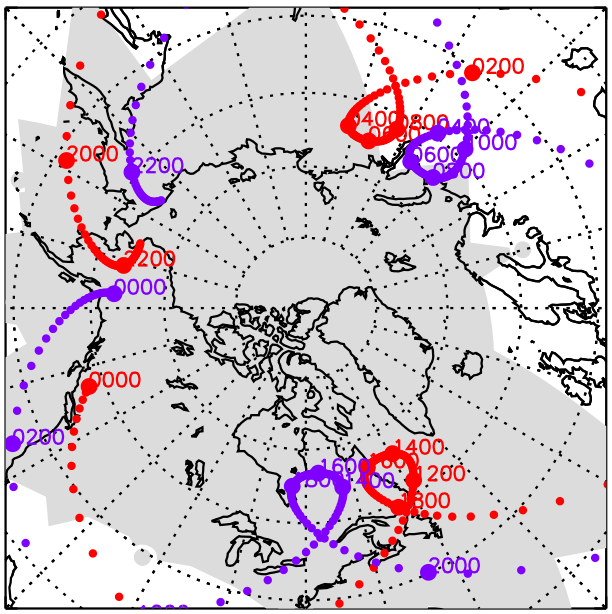


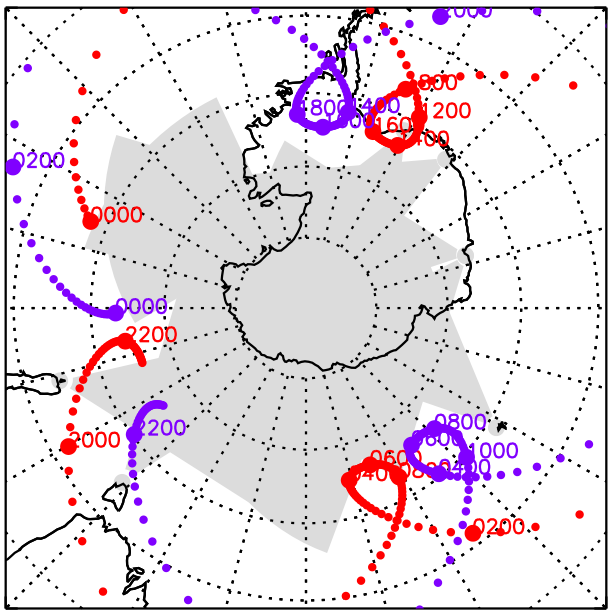

(c) 1835UT to 2355UT
ade bks cly cvw fhw hok kod pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

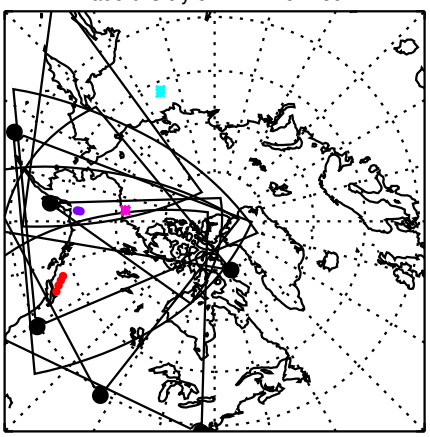
13–Mar–2014

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

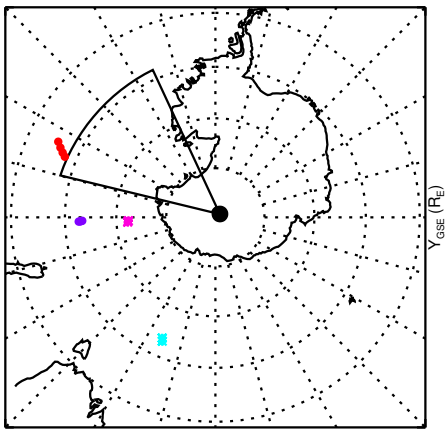


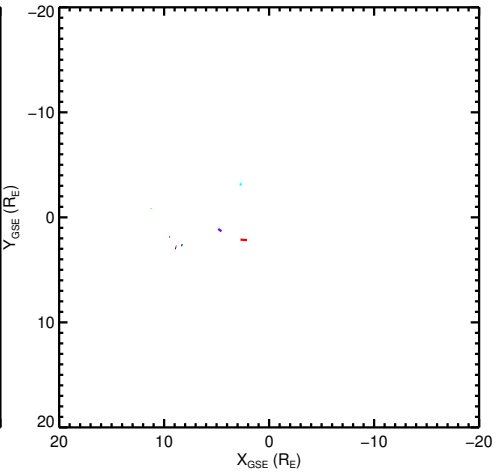




(a) 0000UT to 0015UT
ade bks cly cvw fhw hok kod

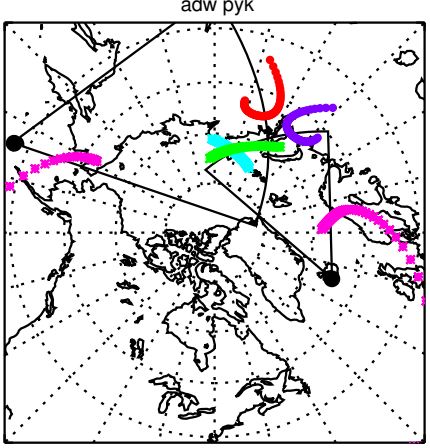


dce

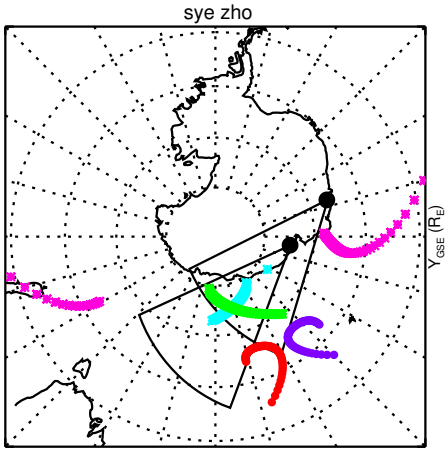


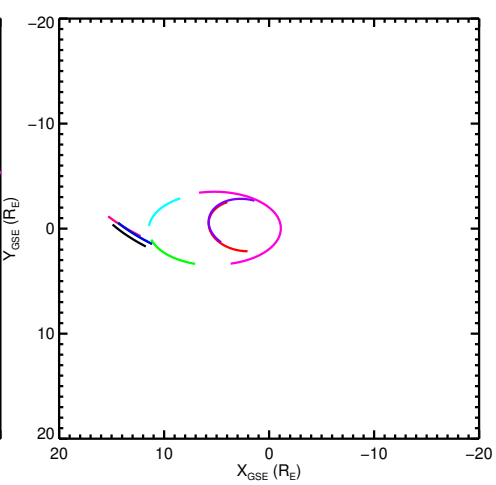



(b) 0335UT to 0915UT
adw pyk

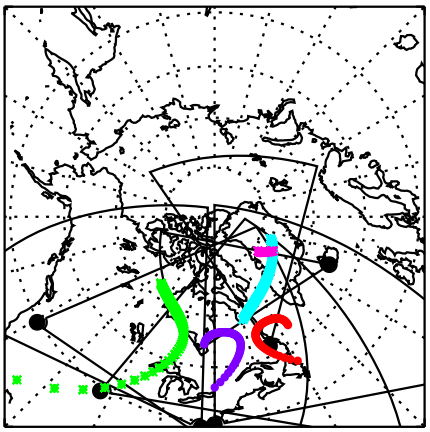


sye zho

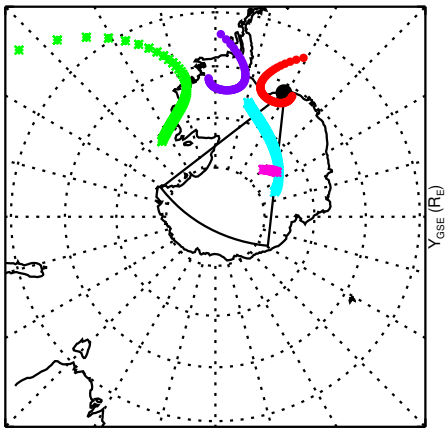


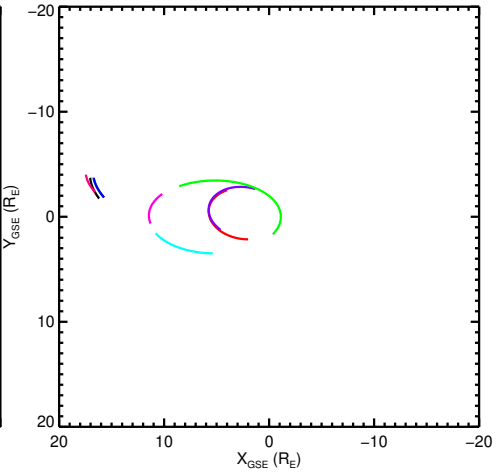


(c) 1235UT to 1815UT
bks cve fhe gbr sto wal

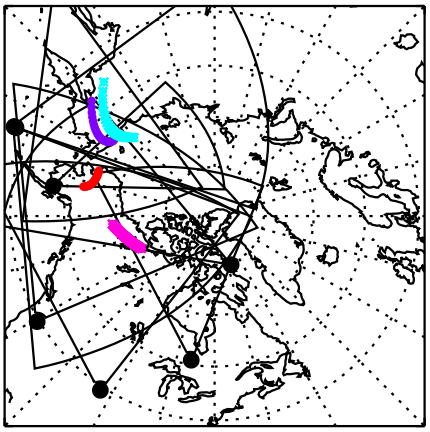


hal

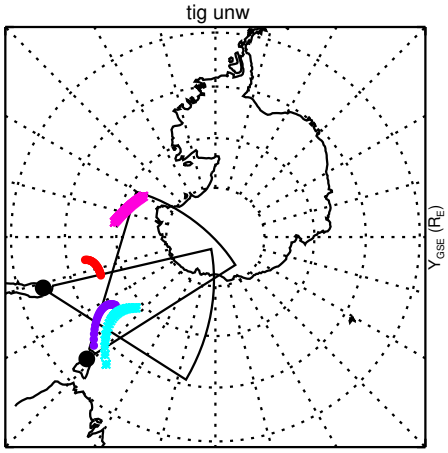


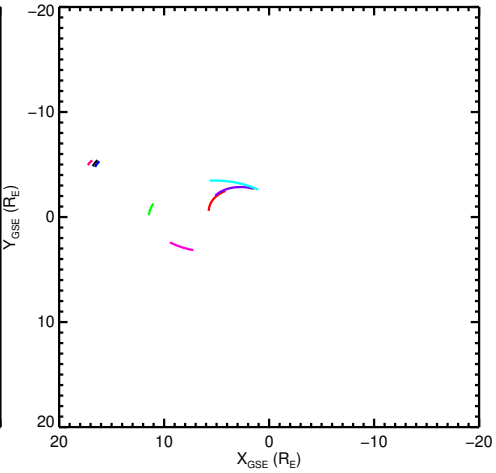



(d) 2140UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

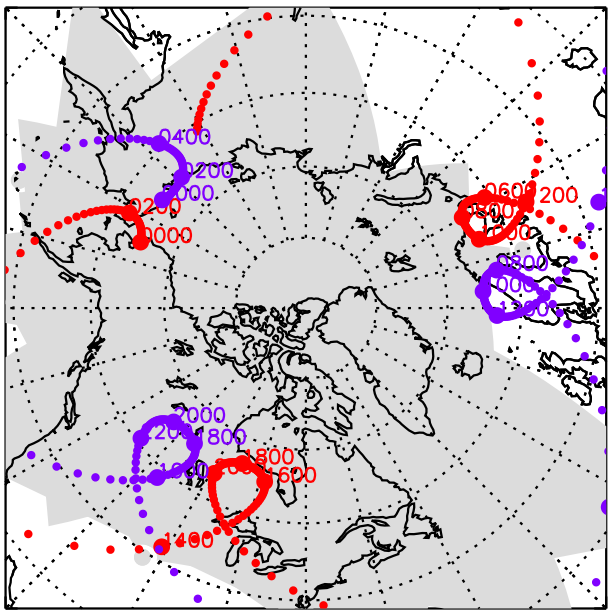


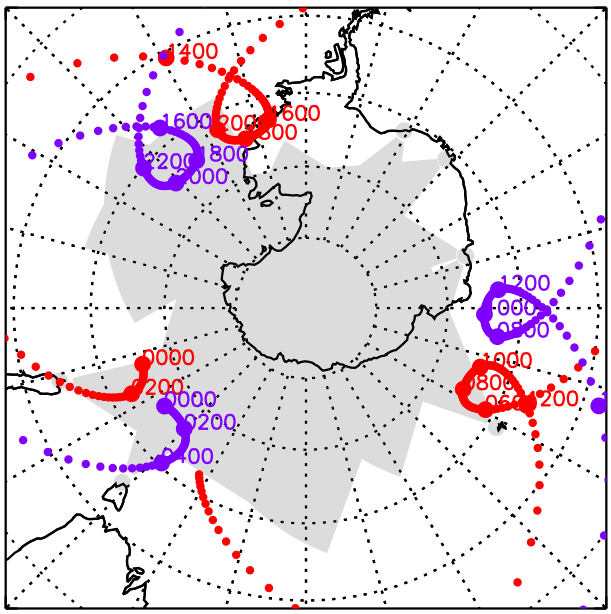


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

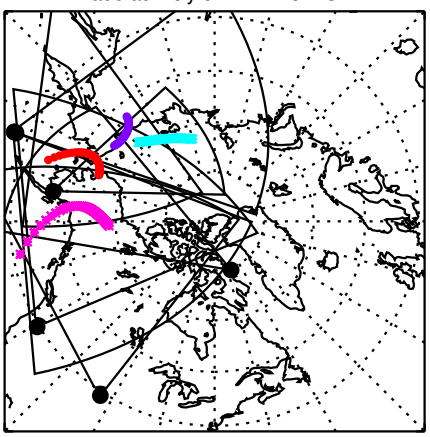
14–Mar–2014

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

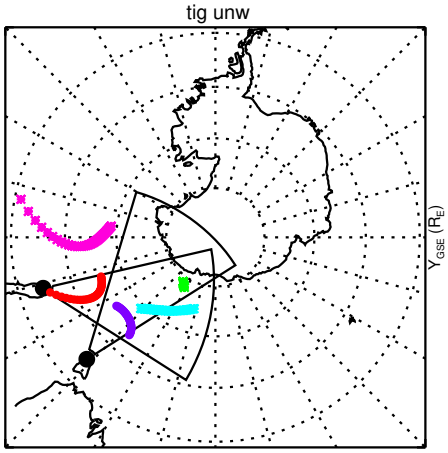


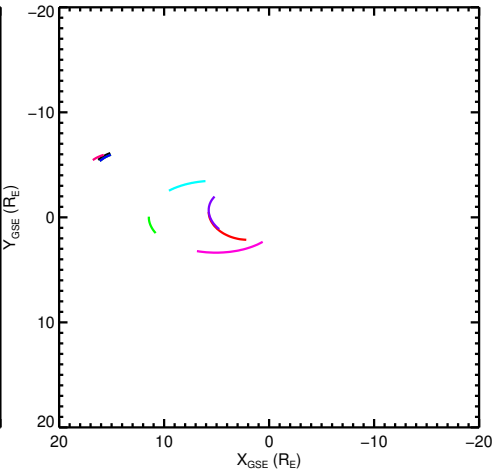


(a) 0000UT to 0310UT
ade adw cly cvw fhw hok ksr

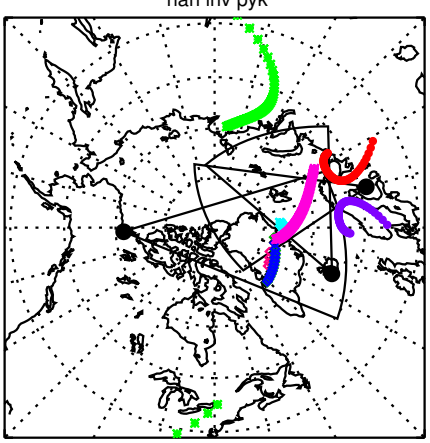


tig unw

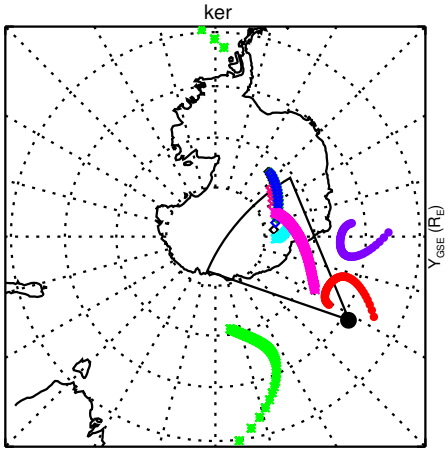


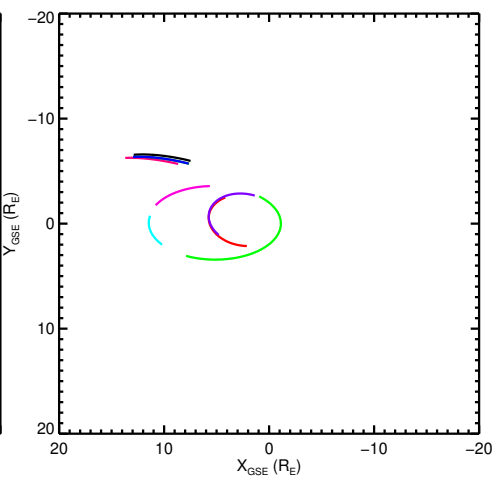


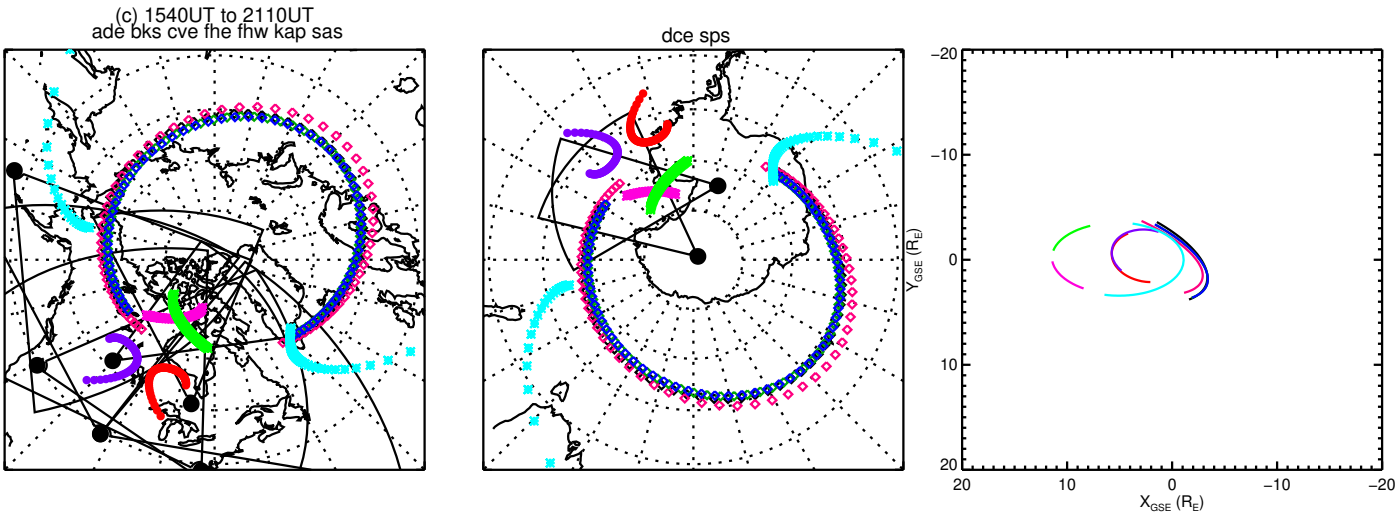

(b) 0640UT to 1210UT
han inv pyk



ker



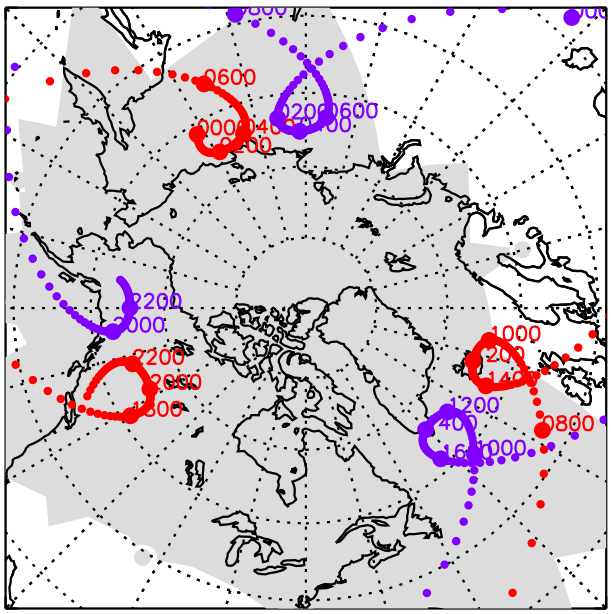


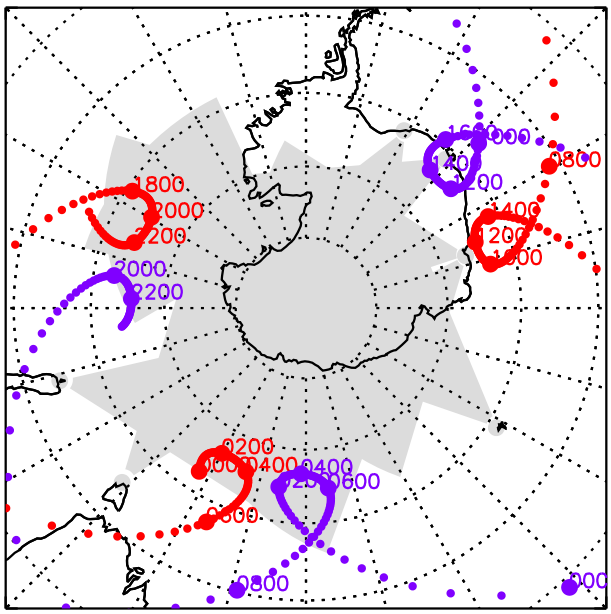

(c) 1540UT to 2110UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

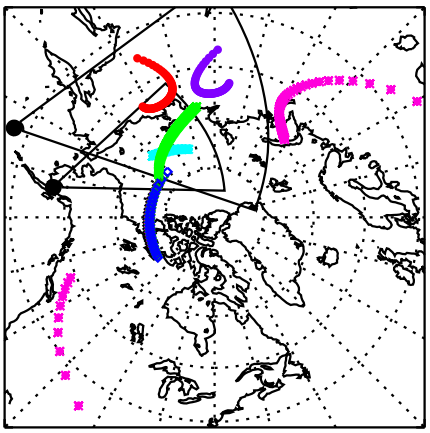
15–Mar–2014

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

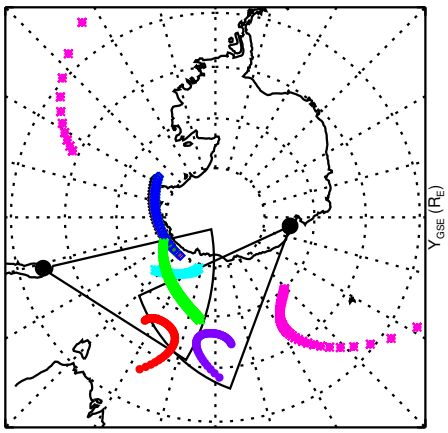


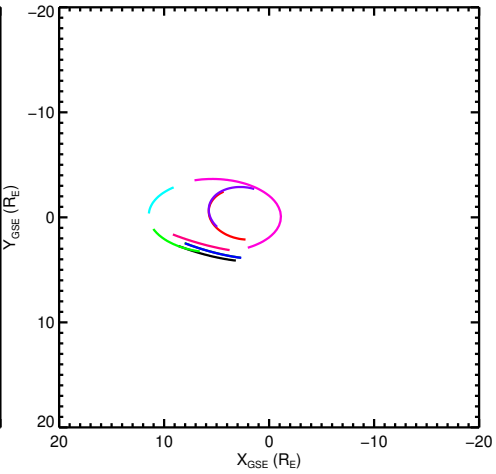


(a) 0045UT to 0605UT
adw ksr

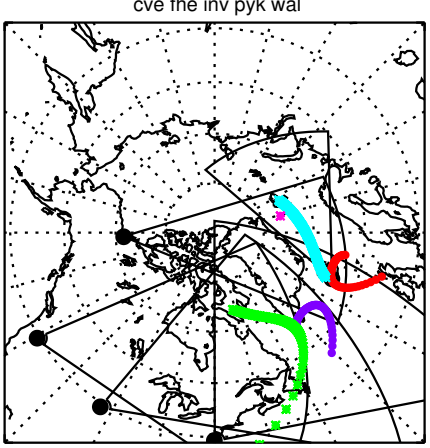


unw zho

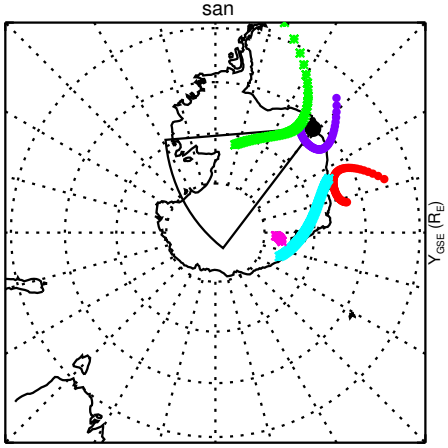


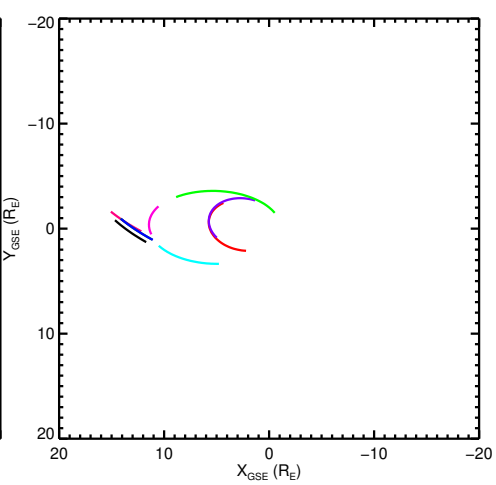


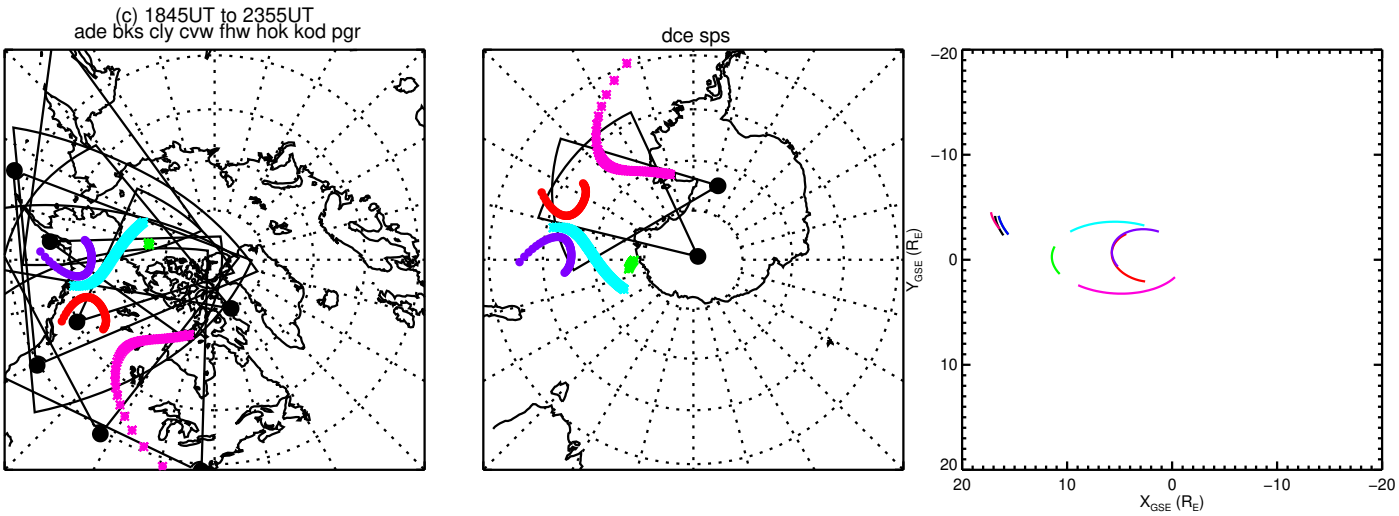

(b) 0945UT to 1505UT
cve fhe inv pyk wal



san



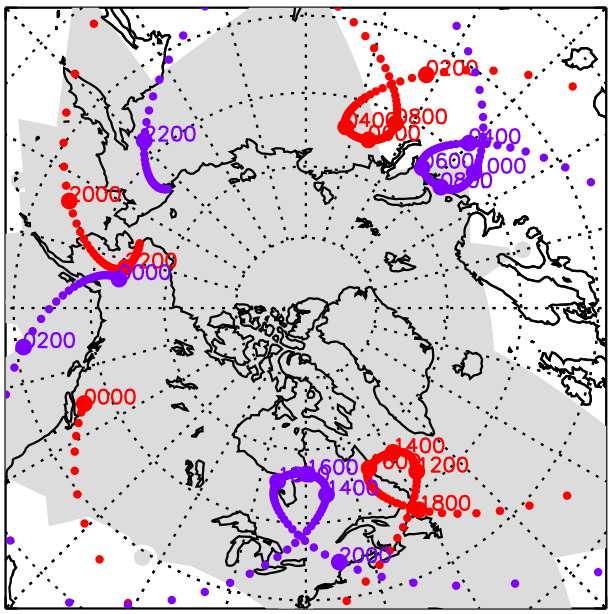


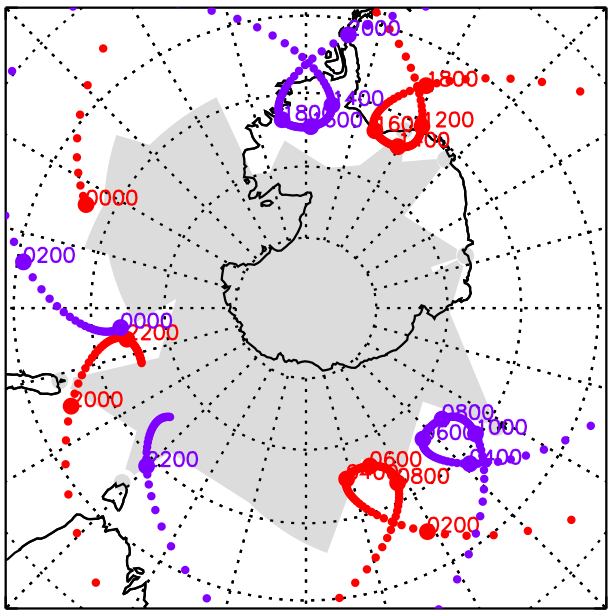

(c) 1845UT to 2355UT
ade bks cly cvw fhw hok kod pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

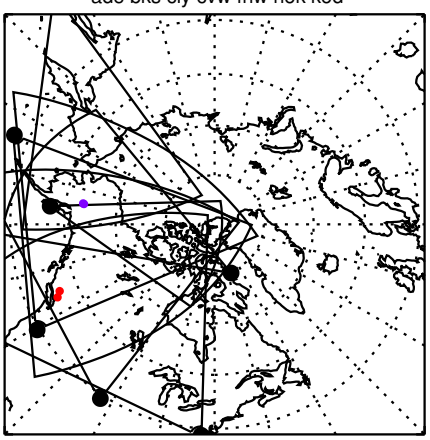
16–Mar–2014

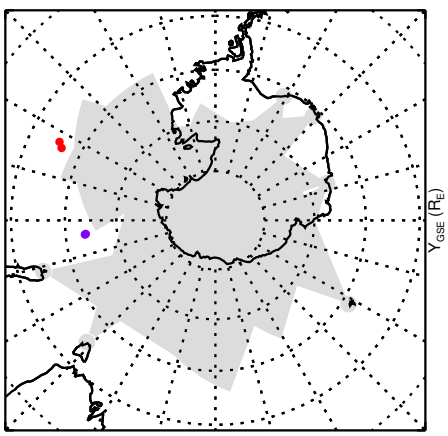
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

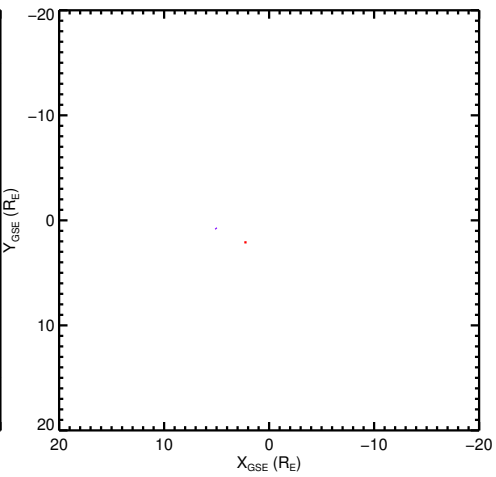




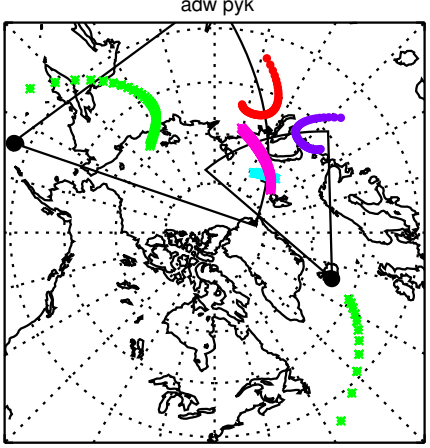
(a) 0000UT to 0005UT
ade bks cly cvw fhw hok kod



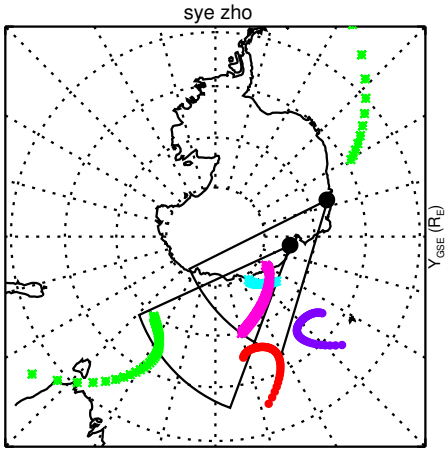


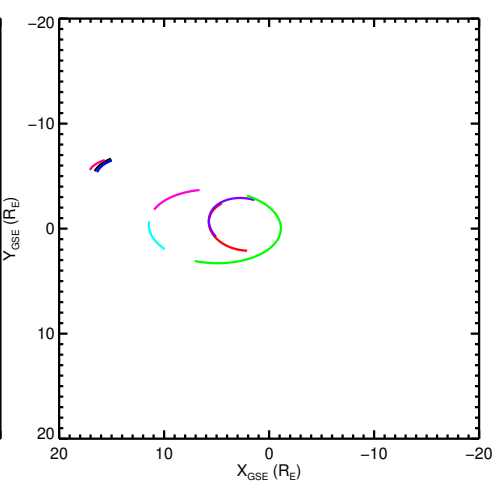



(b) 0350UT to 0905UT
adw pyk

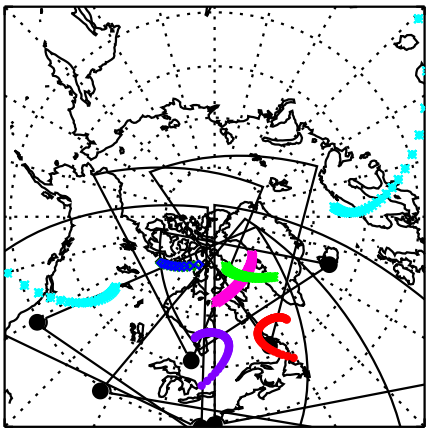


sye zho

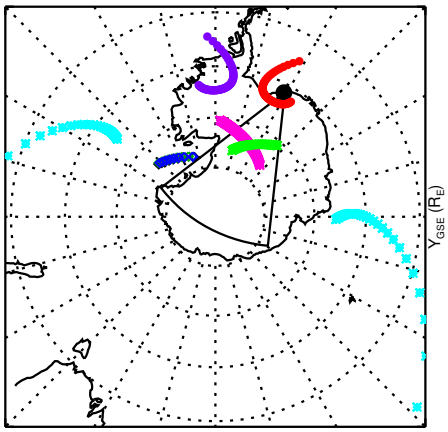


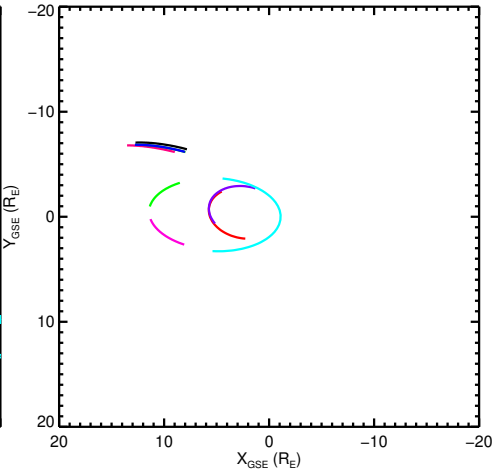


(c) 1250UT to 1800UT
bks cve fhe gbr kap sto wal

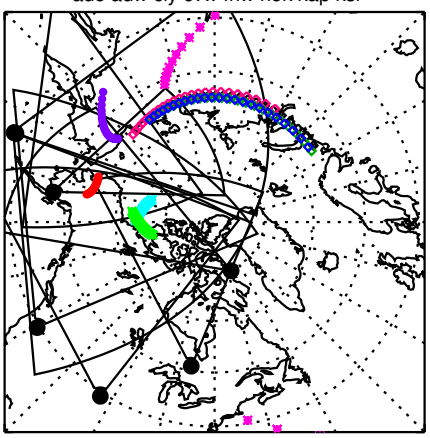


hal

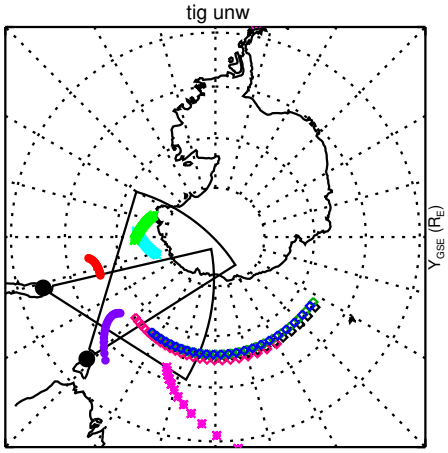


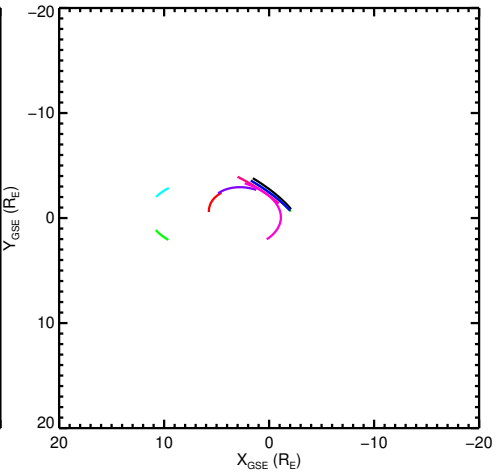



(d) 2150UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

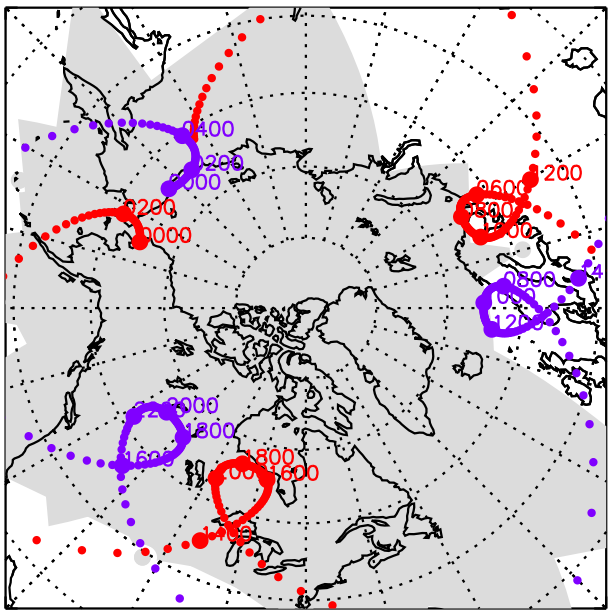


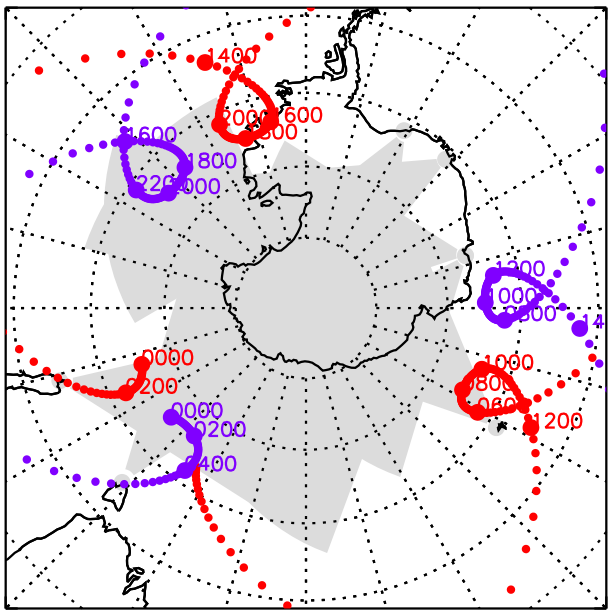


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

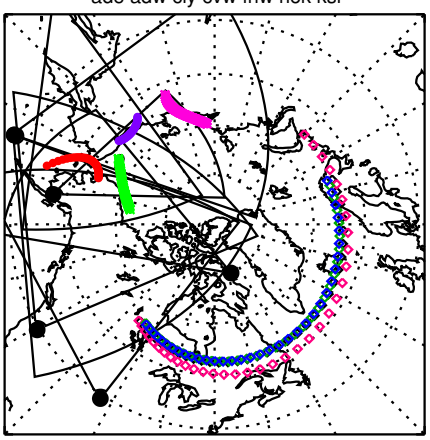
17–Mar–2014

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

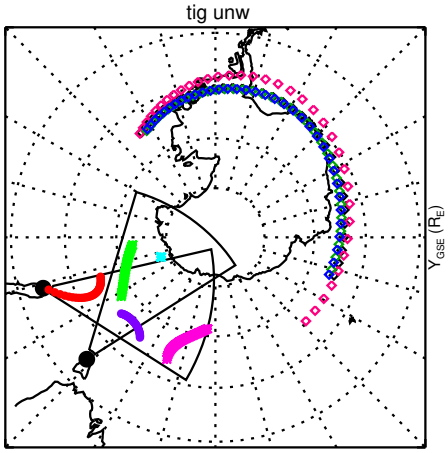


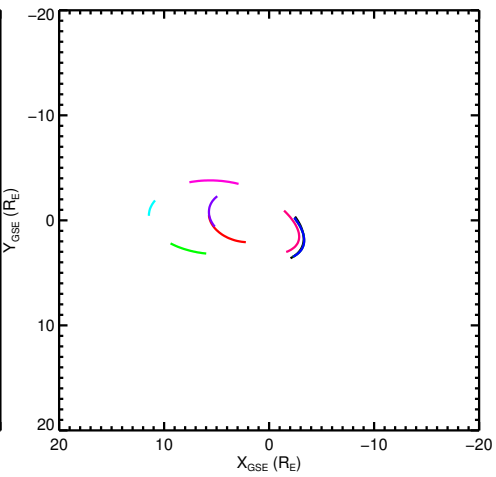


(a) 0000UT to 0300UT
ade adw cly cvw fhw hok ksr

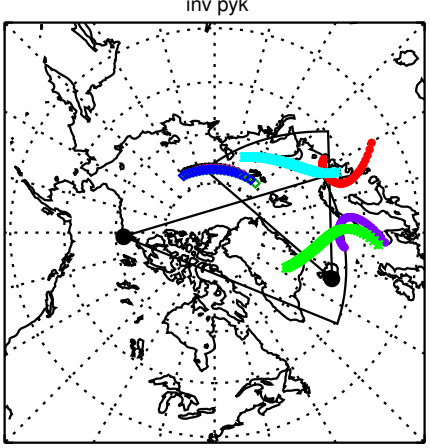


tig unw






(b) 0655UT to 1200UT
inv pyk



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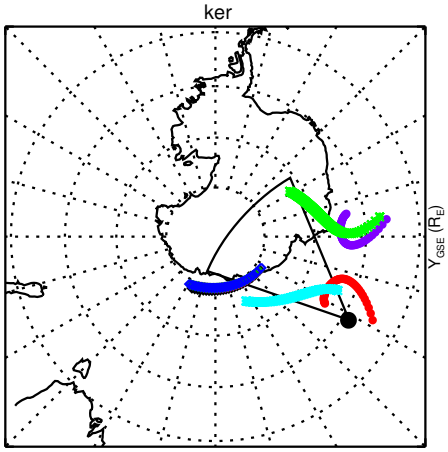
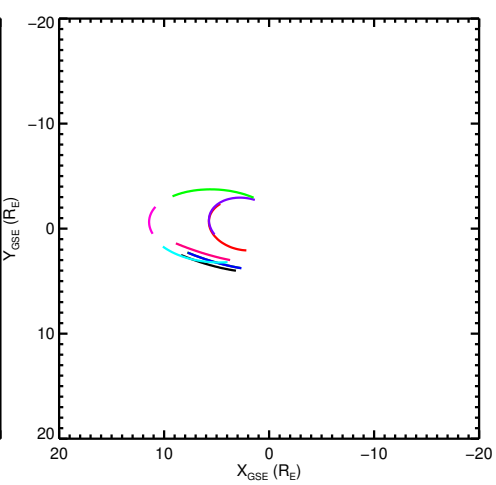
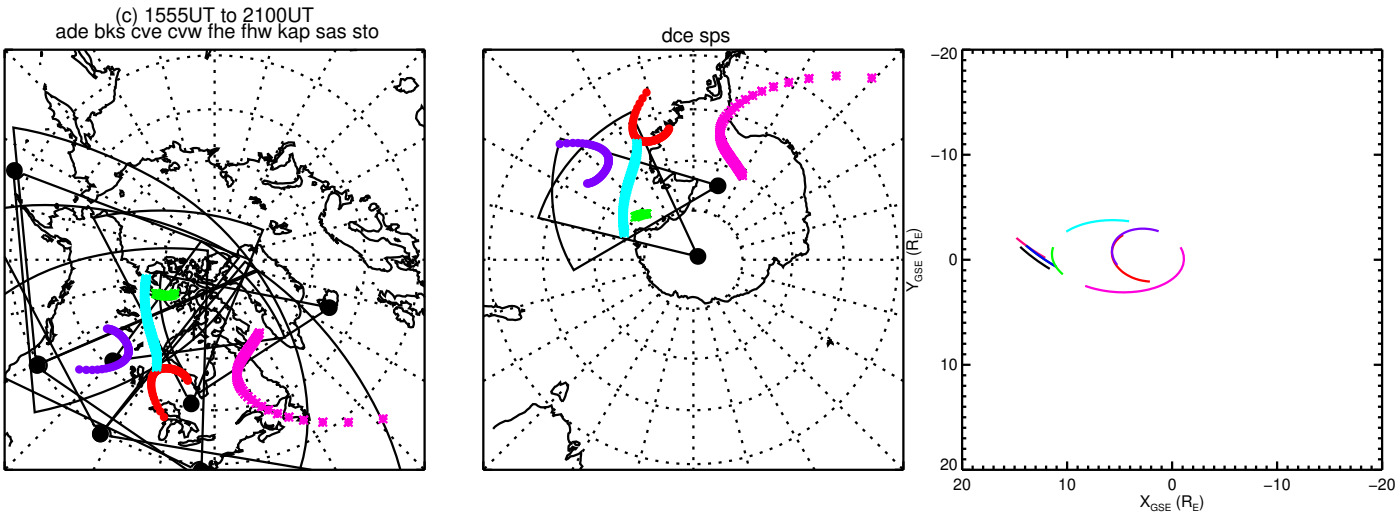


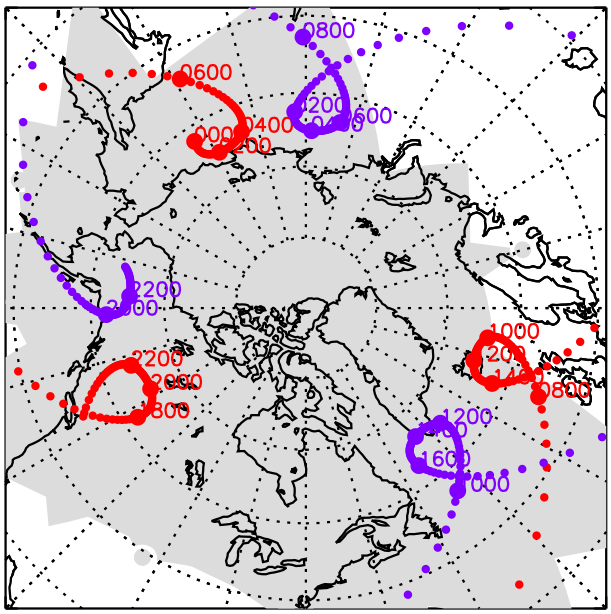


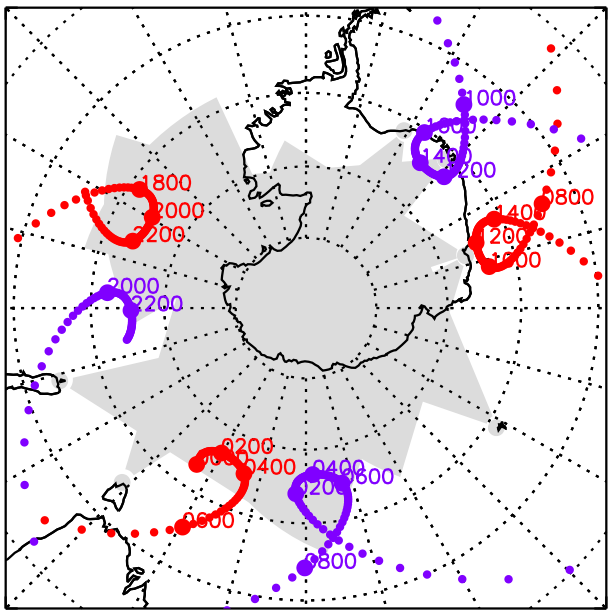

(c) 1555UT to 2100UT
ade bks cve cvw fhe fhw kap sas sto
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

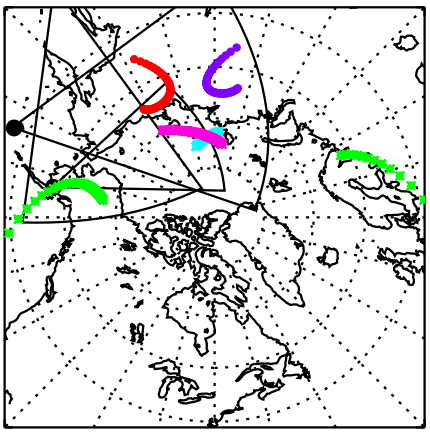
18–Mar–2014

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

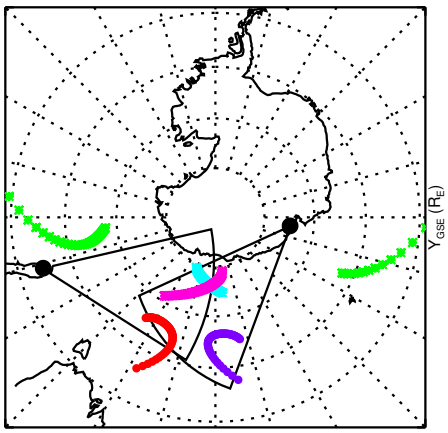


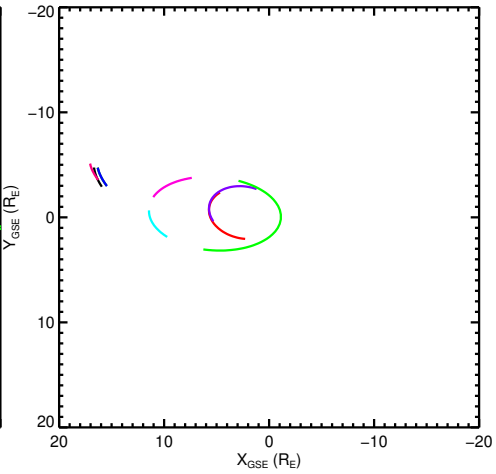




(a) 0055UT to 0555UT
adw hok ksr

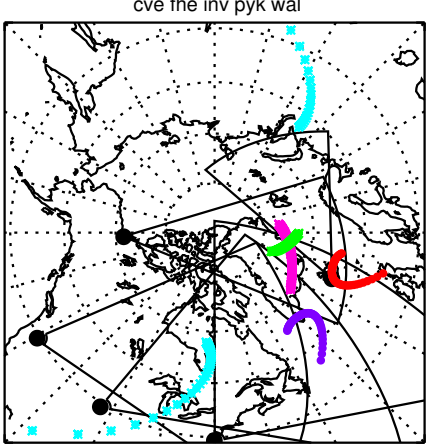


unw zho

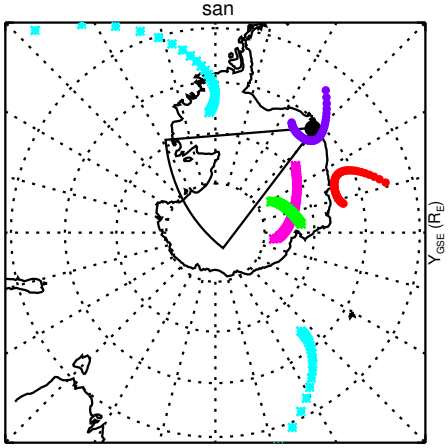


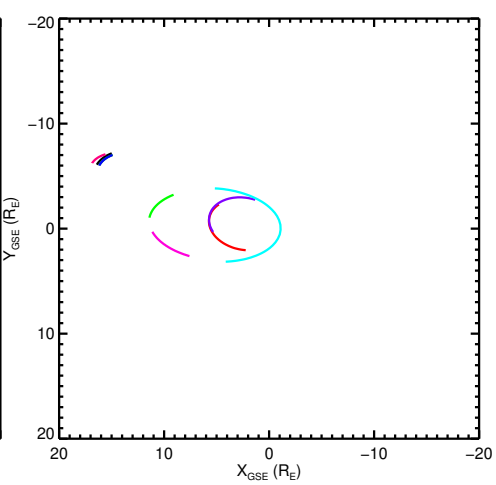


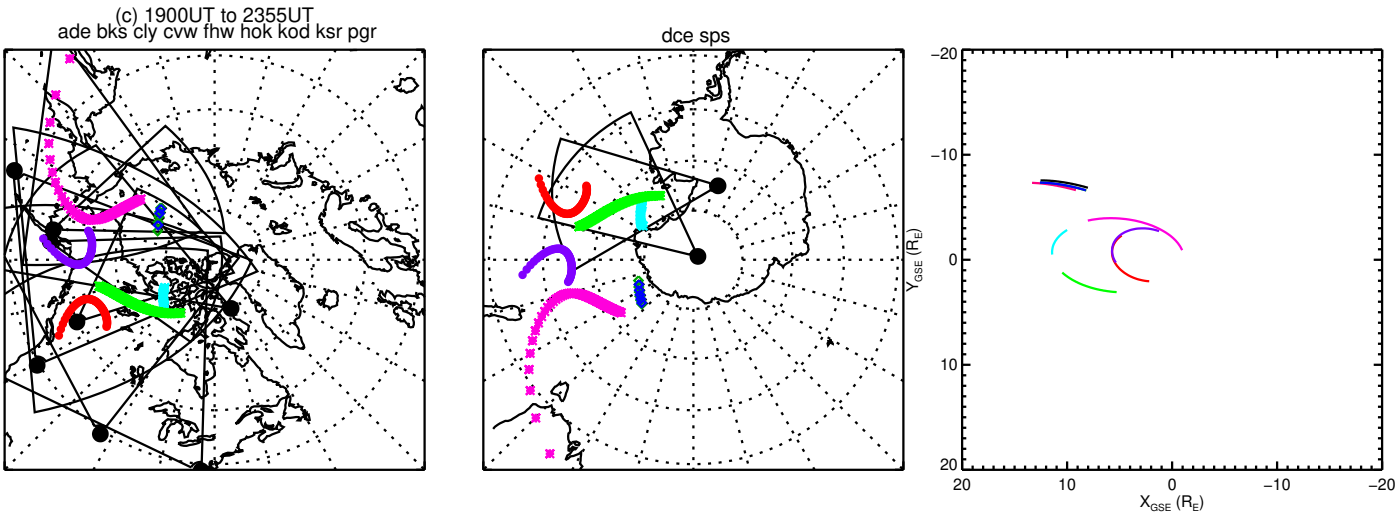

(b) 1000UT to 1455UT
cve fhe inv pyk wal



san



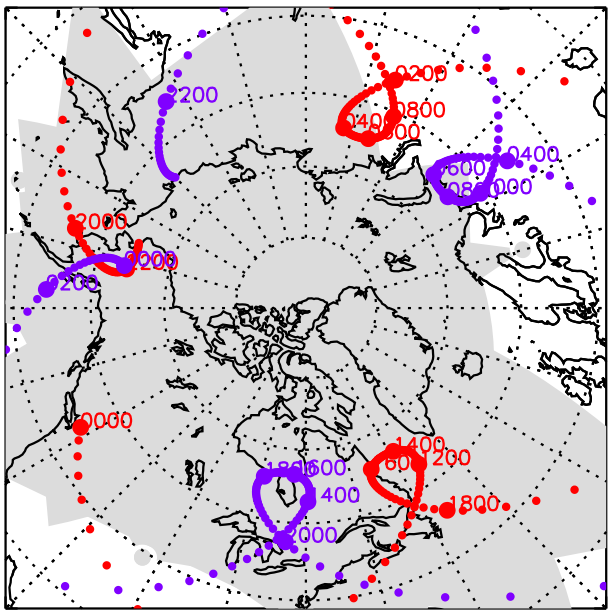


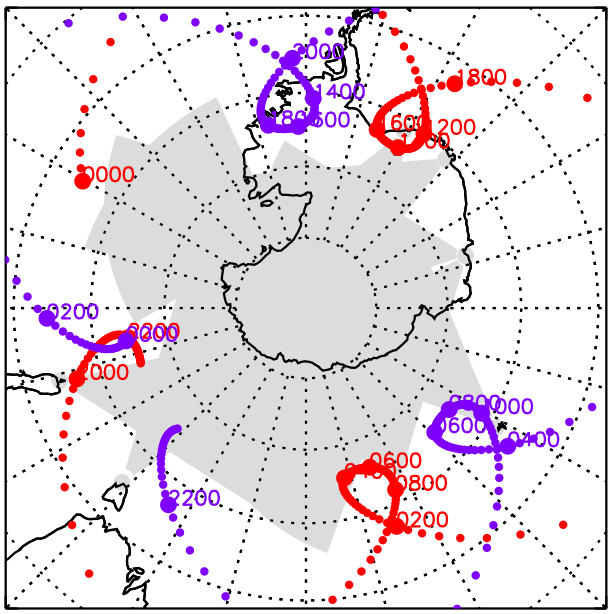

(c) 1900UT to 2355UT
ade bks cly cvw fhw hok kod ksr pgr
dce sps
20
10
0
−10
−20
$Y_{GSE}$ ($R_E$)
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

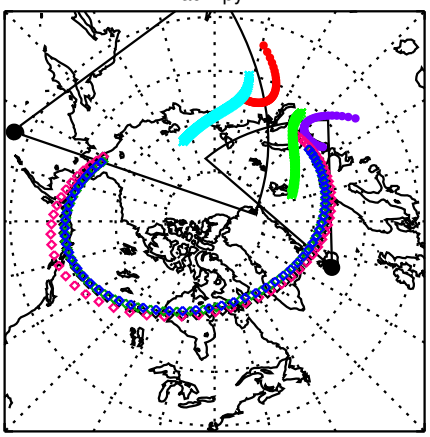
19–Mar–2014

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

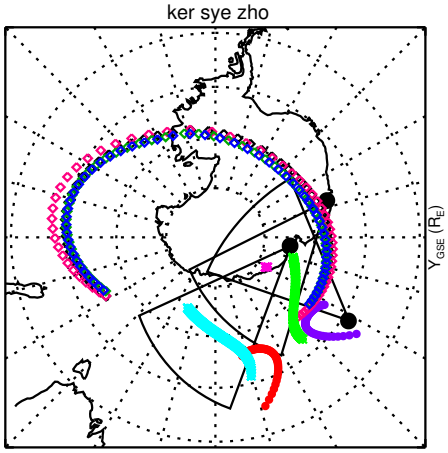


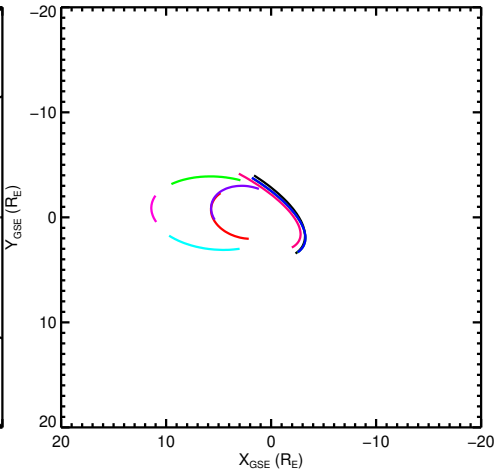


(a) 0400UT to 0855UT
adw pyk

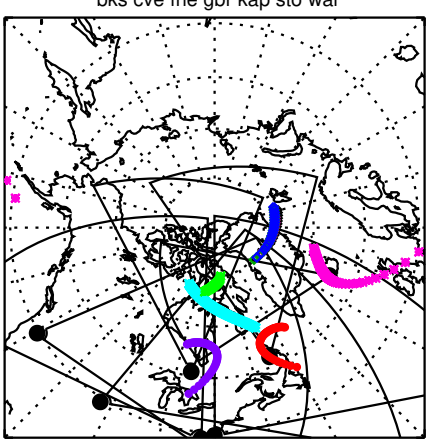


ker sye zho

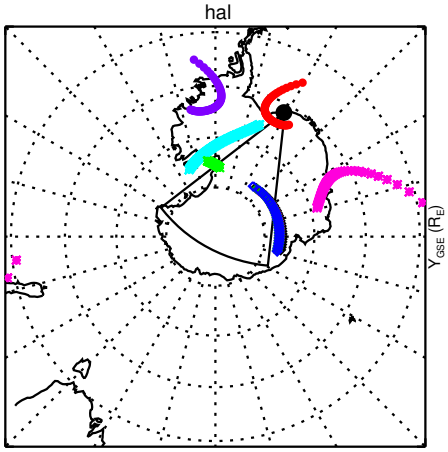


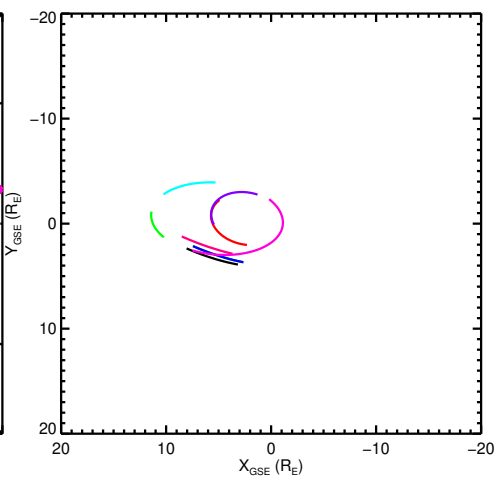



(b) 1305UT to 1750UT
bks cve fhe gbr kap sto wal

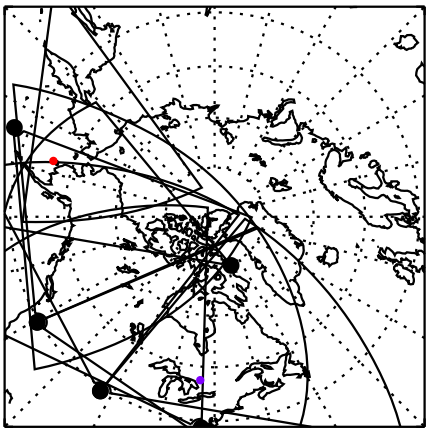


hal

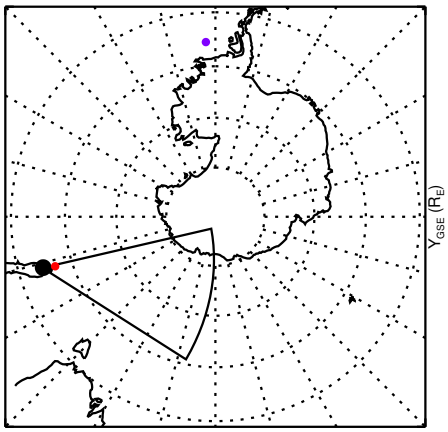


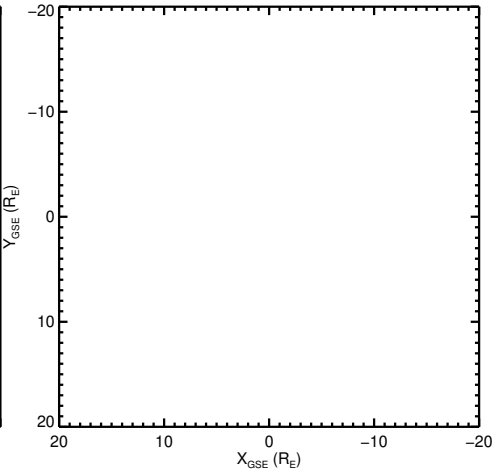


(c) 2000UT to 2000UT
ade bks cly cve cvw fhe fhw hok

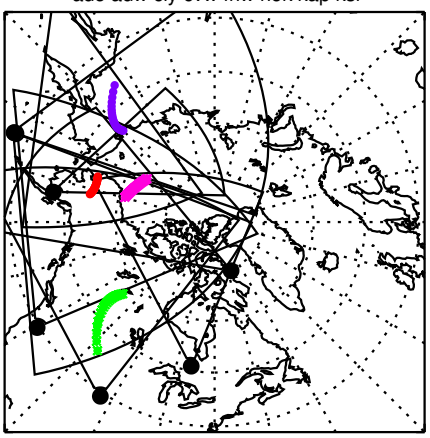


unw

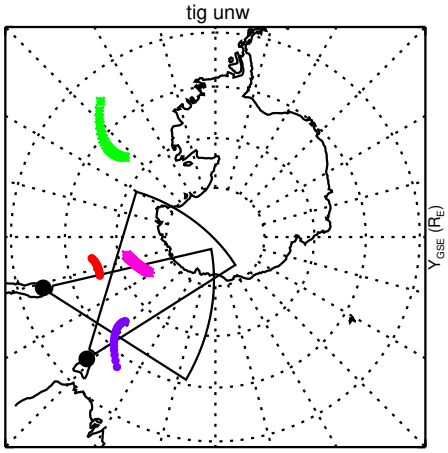


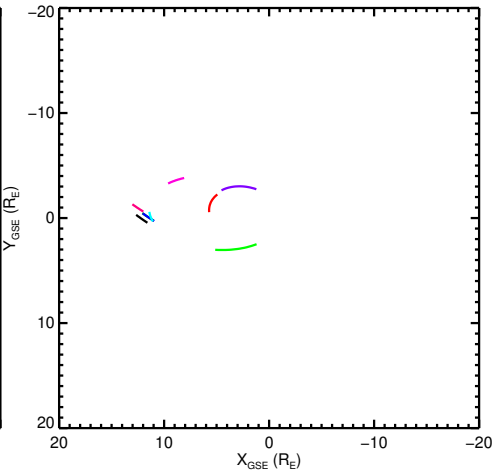



(d) 2205UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

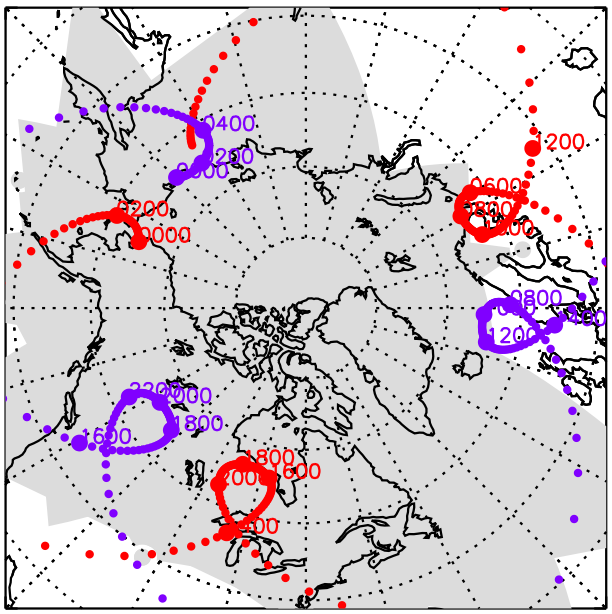


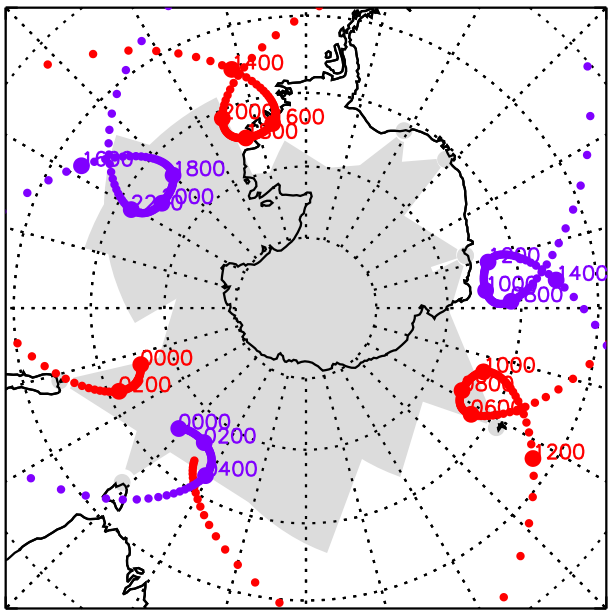


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

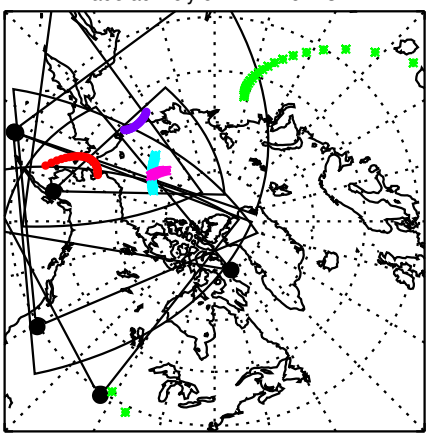
20–Mar–2014

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

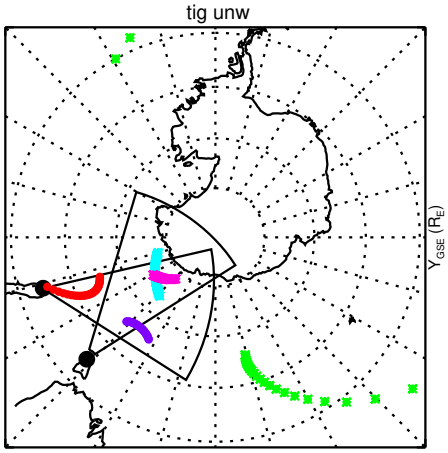


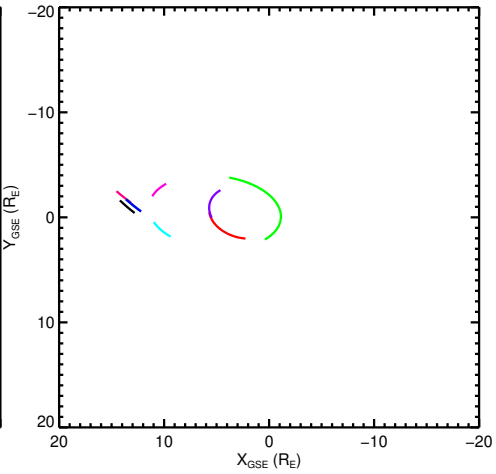


(a) 0000UT to 0250UT
ade adw cly cvw fhw hok ksr

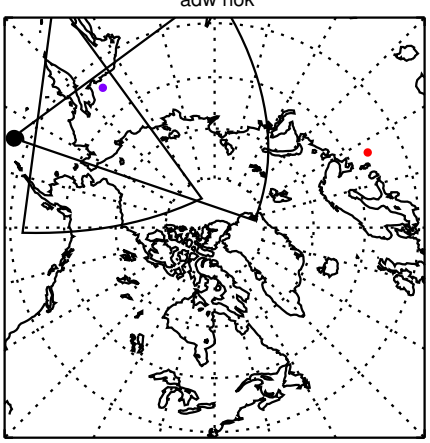


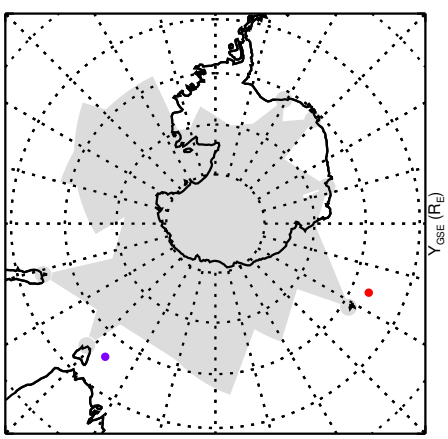
tig unw

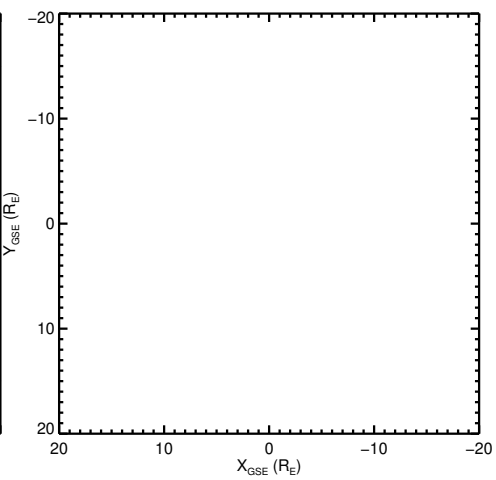




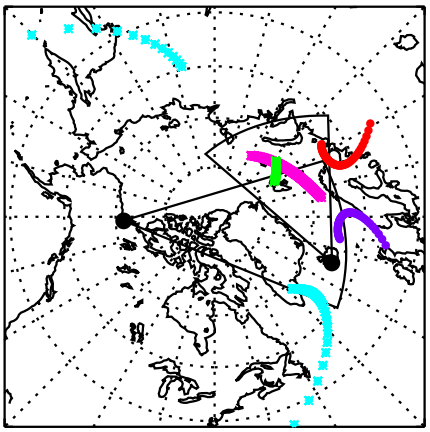

(b) 0500UT to 0500UT
adw hok



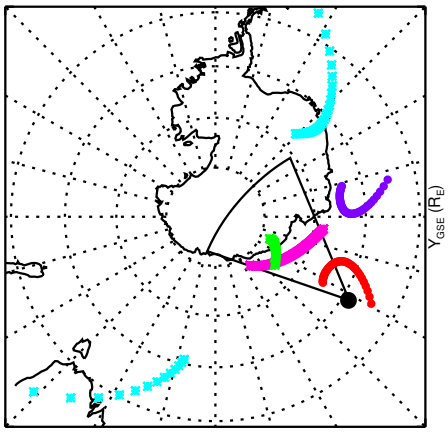


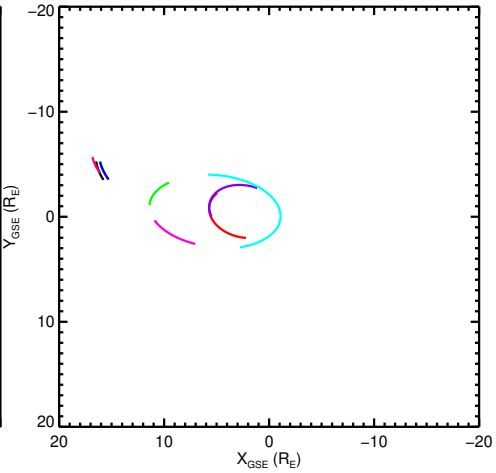


(c) 0705UT to 1150UT
inv pyk

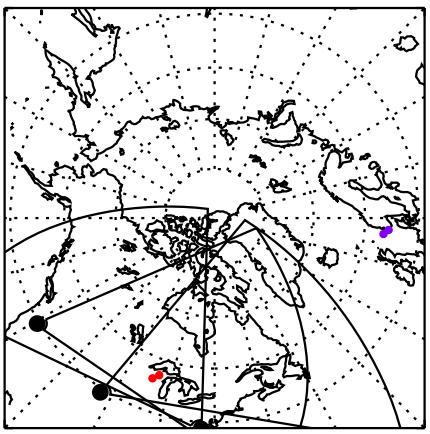


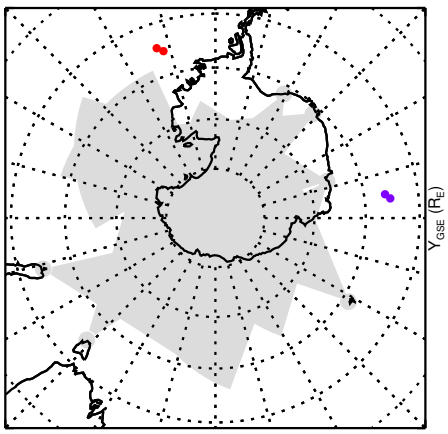
ker

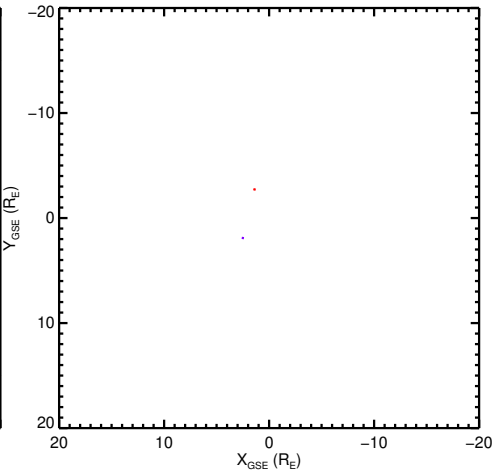




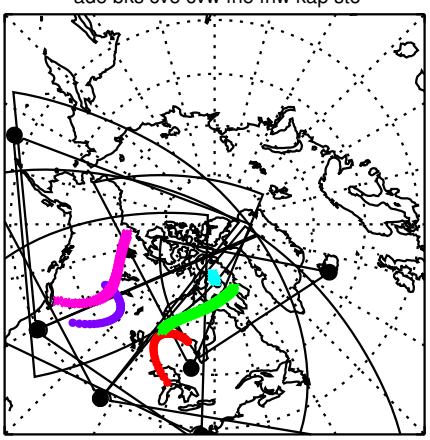

(d) 1355UT to 1400UT
bks cve fhe



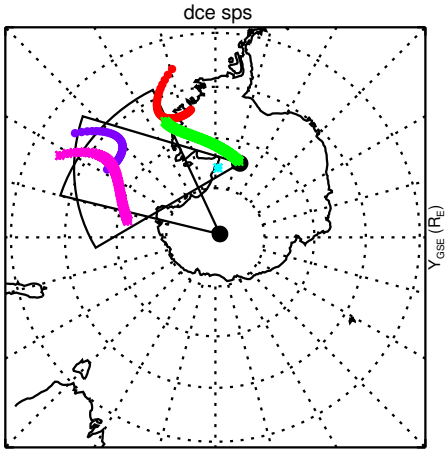


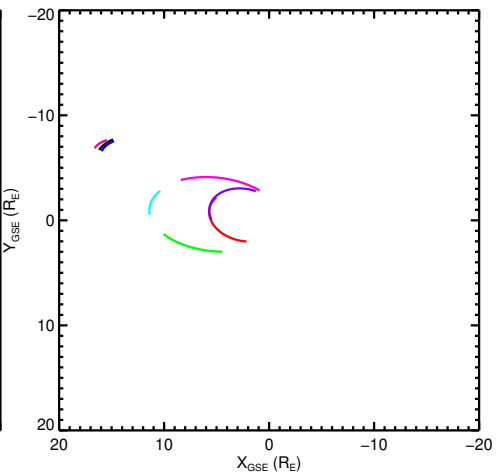



(e) 1610UT to 2050UT
ade bks cve cvw fhe fhw kap sto

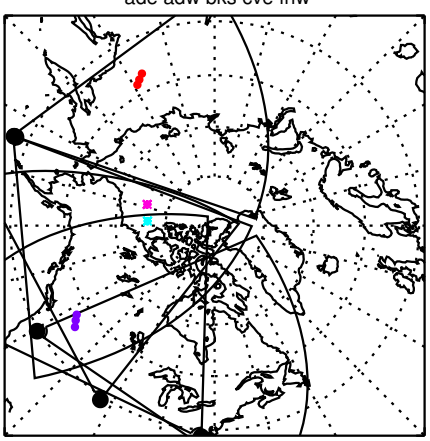


dce sps

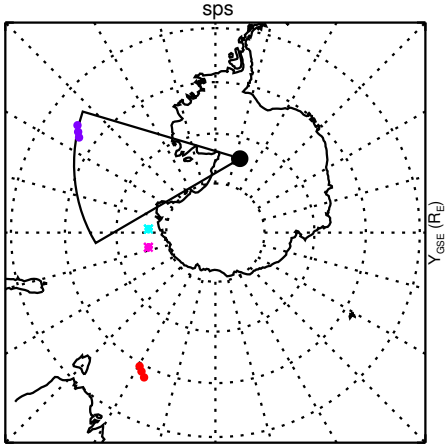


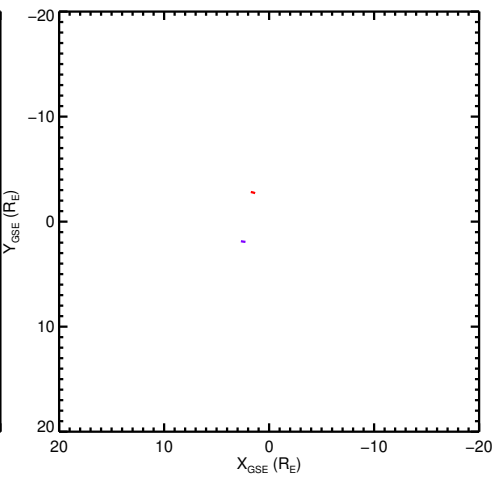



(f) 2255UT to 2305UT
ade adw bks cve fhw



sps

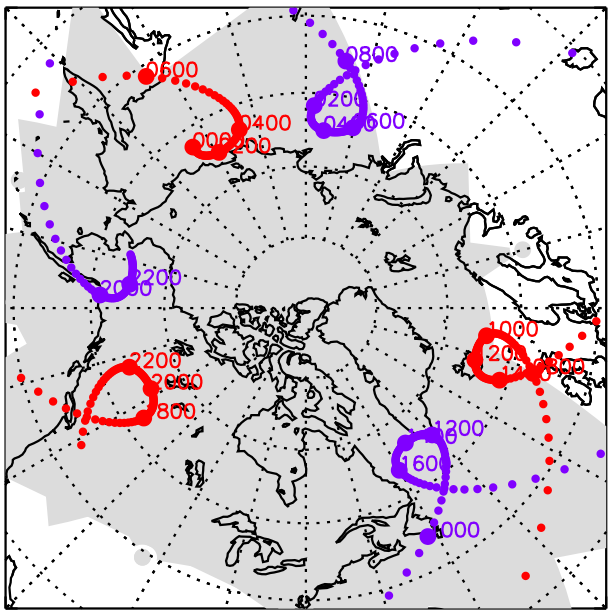


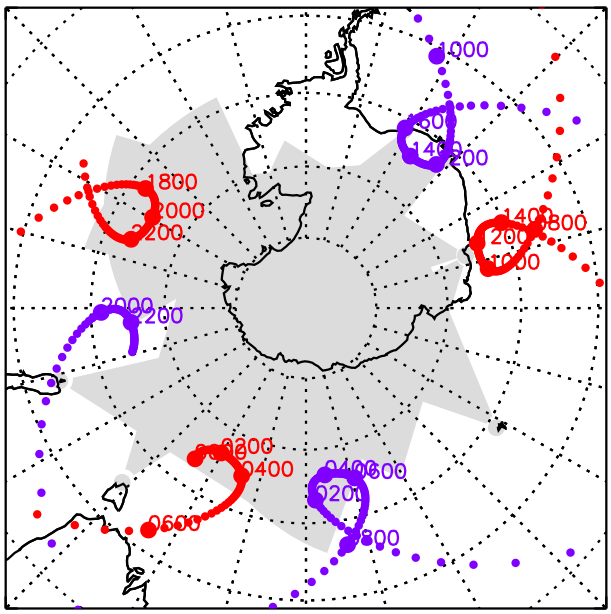


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

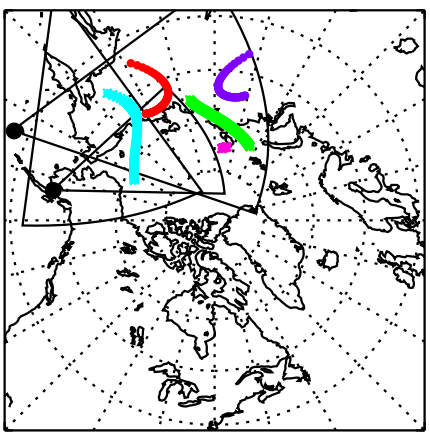
21−Mar−2014

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

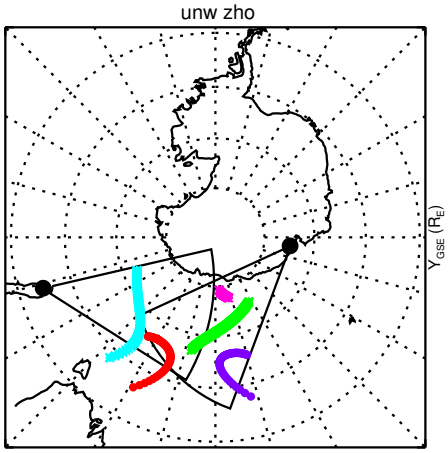


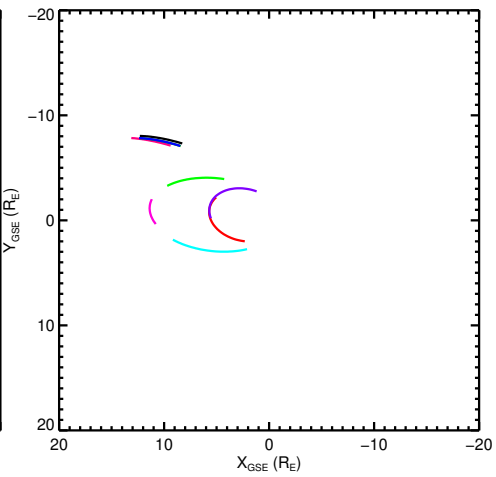


(a) 0110UT to 0545UT
adw hok ksr

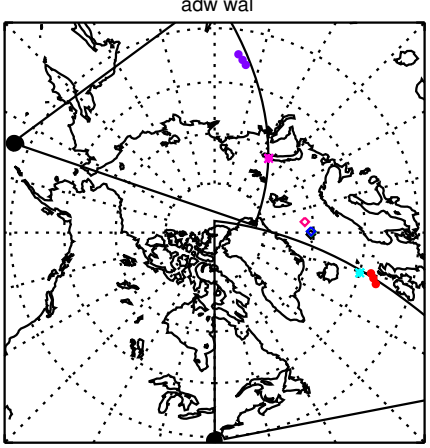


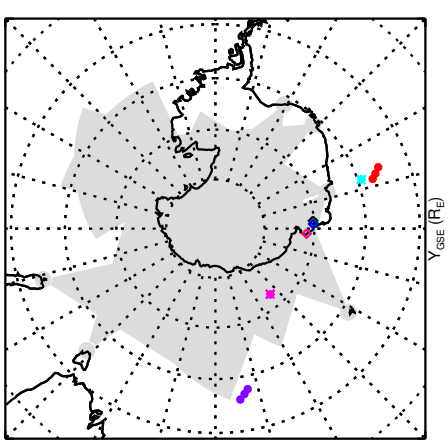
unw zho

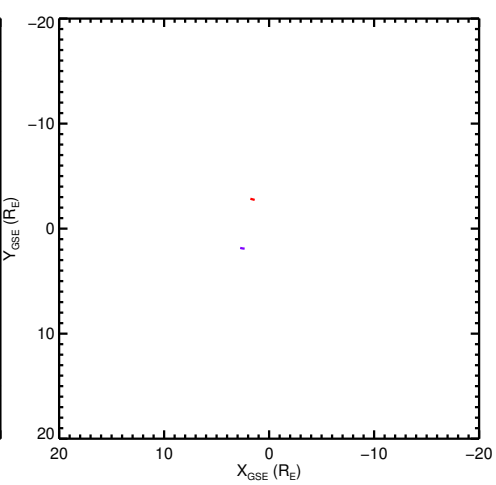




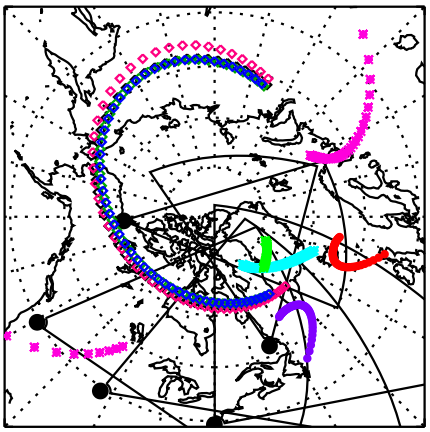

(b) 0755UT to 0805UT
adw wal



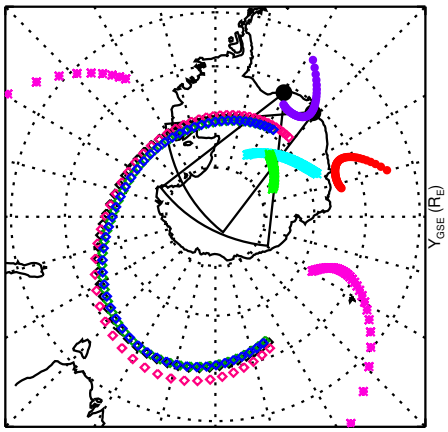


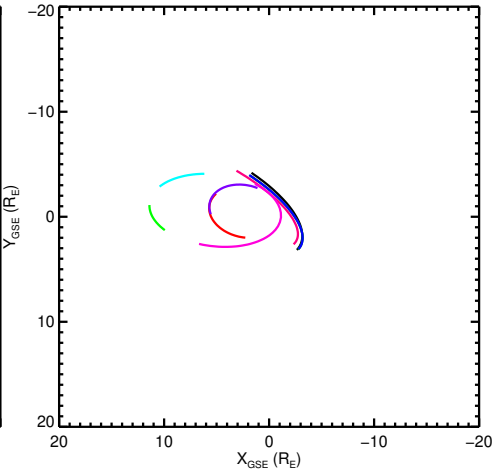


(c) 1010UT to 1445UT
cve fhe gbr inv wal

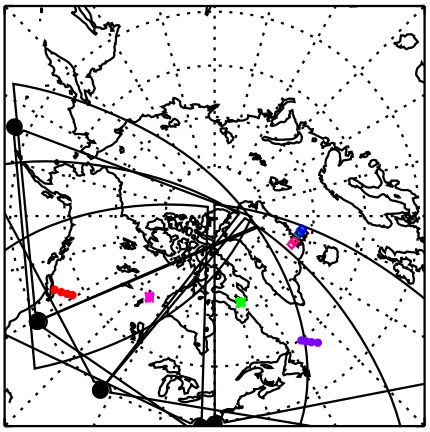


hal san

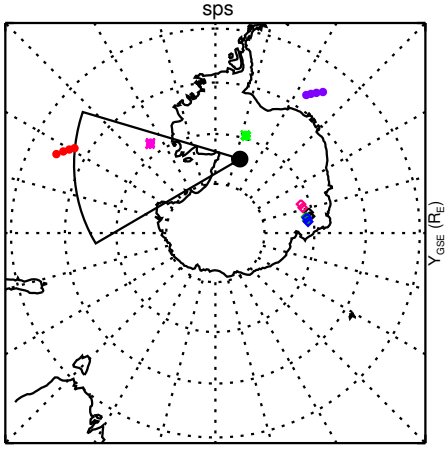


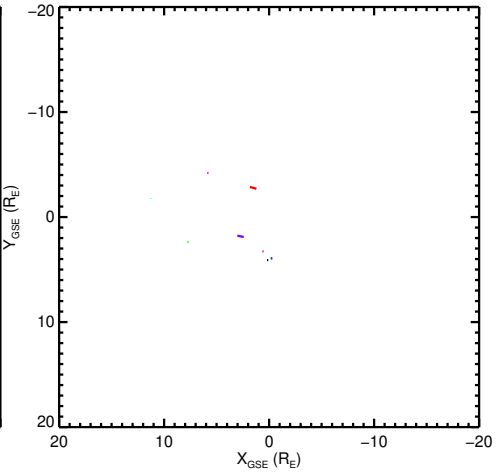



(d) 1650UT to 1705UT
ade bks cve cvw fhe fhw wal

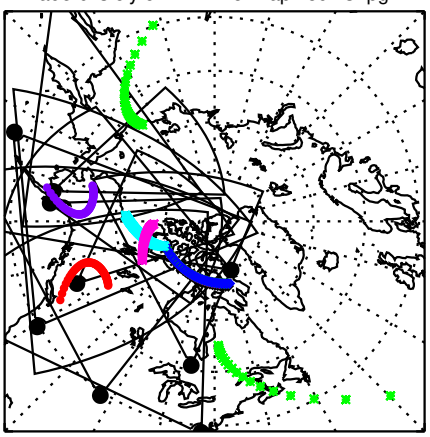


sps

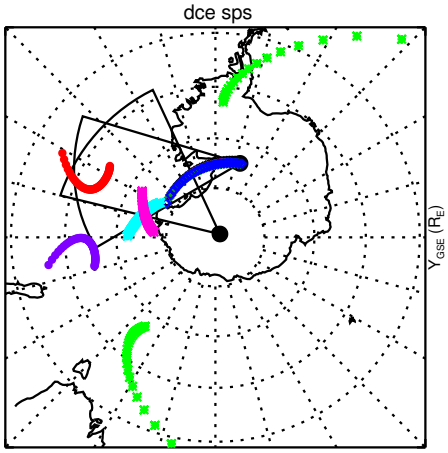


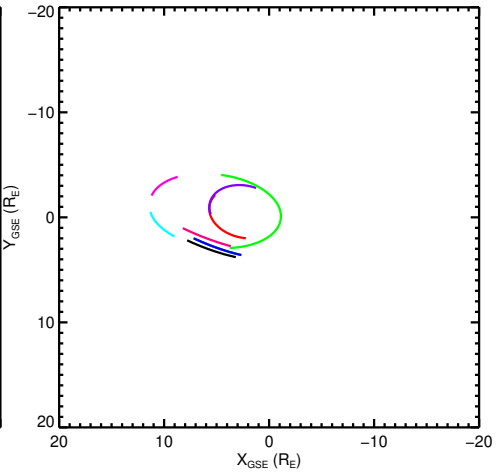



(e) 1915UT to 2345UT
ade bks cly cvw fhw hok kap kod ksr pgr



dce sps

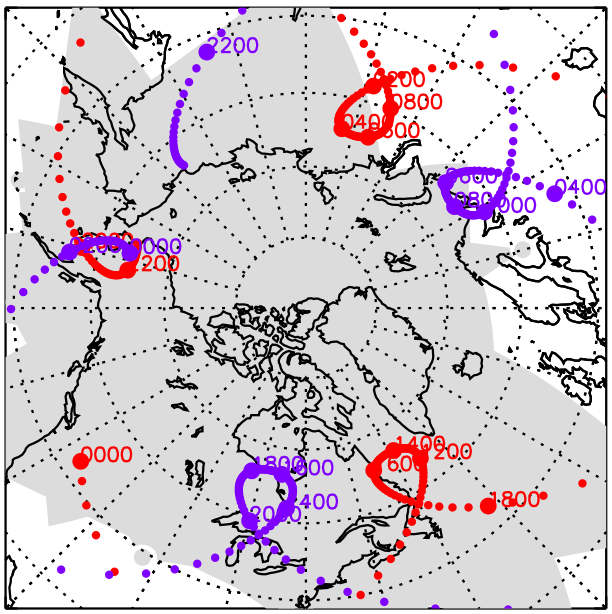


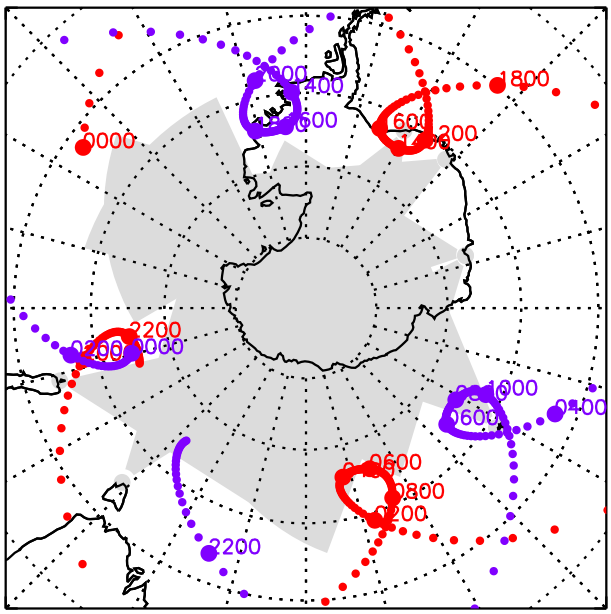


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

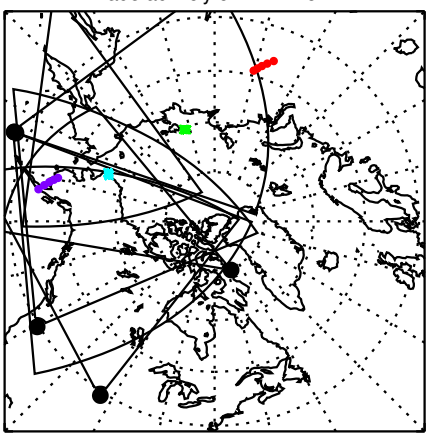
22–Mar–2014

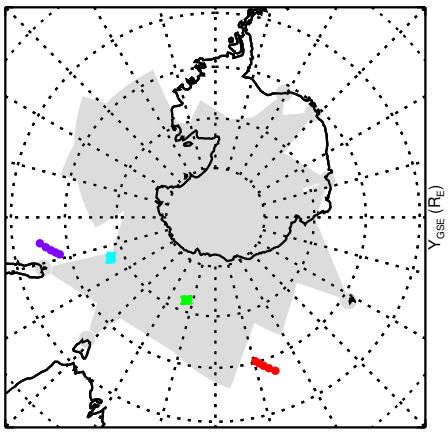
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

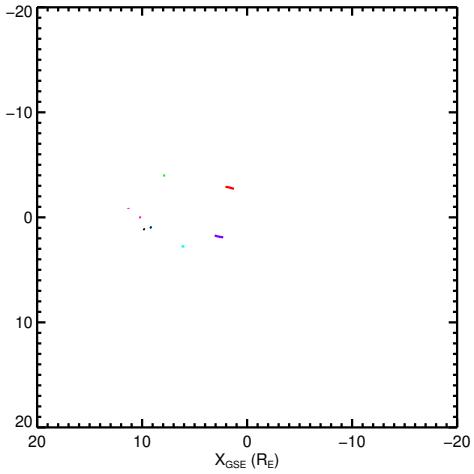


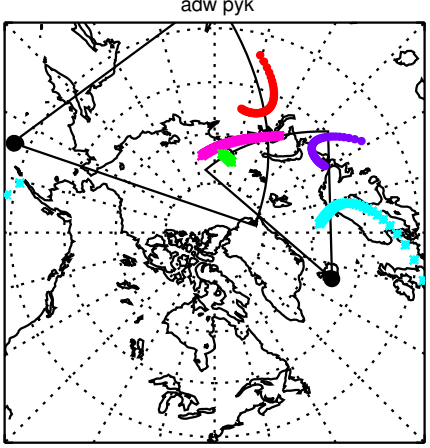

(a) 0150UT to 0210UT
ade adw cly cvw fhw hok



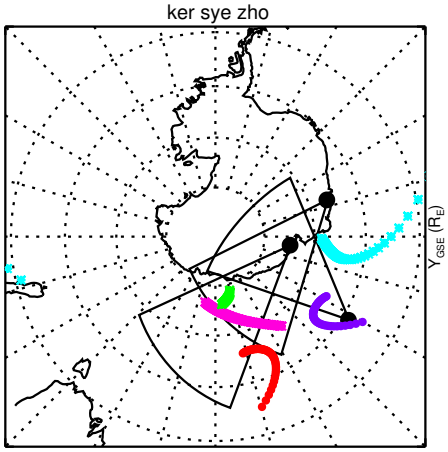


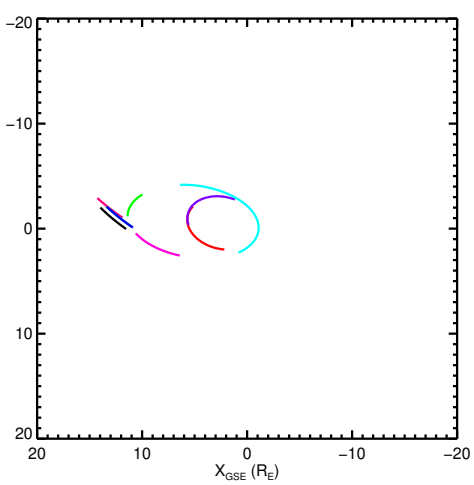



(b) 0415UT to 0845UT
adw pyk

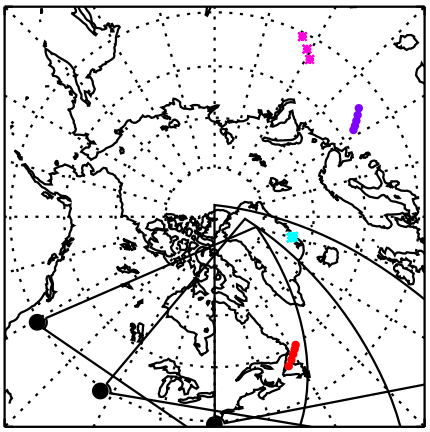


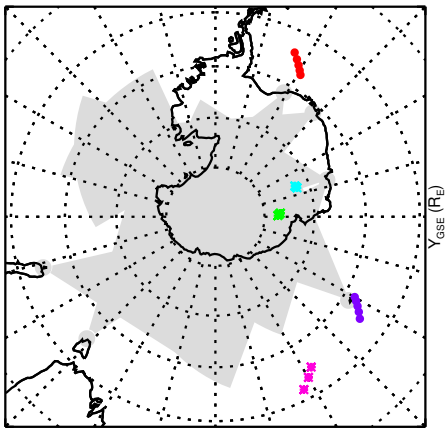
ker sye zho

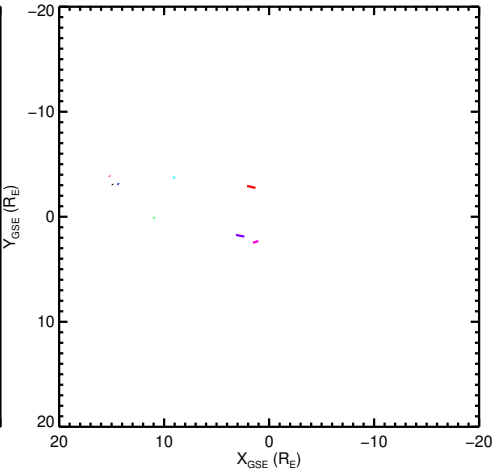




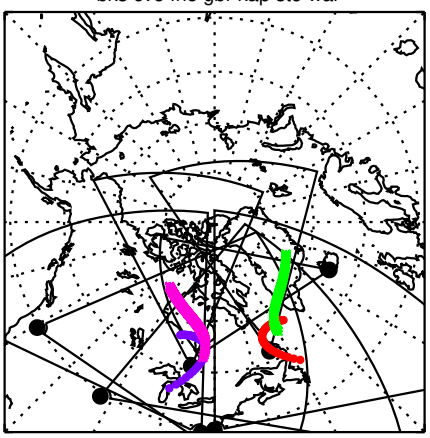
(c) 1050UT to 1110UT
cve fhe wal



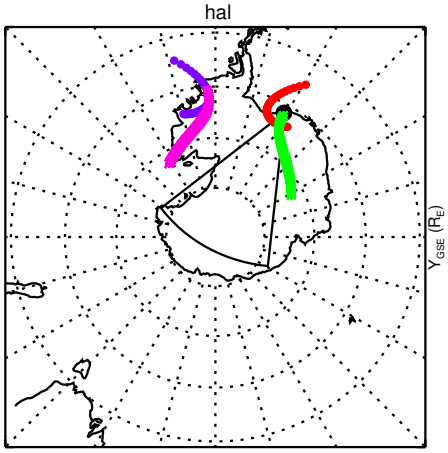


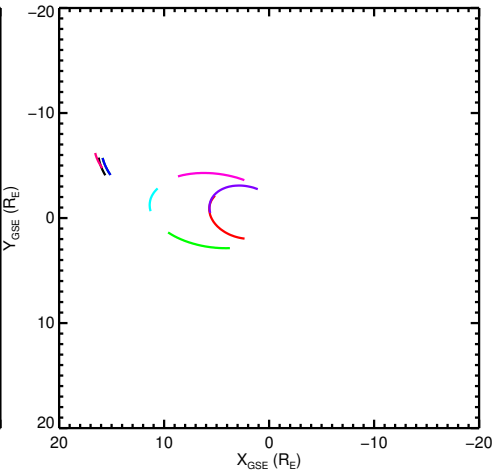



(d) 1315UT to 1740UT
bks cve fhe gbr kap sto wal

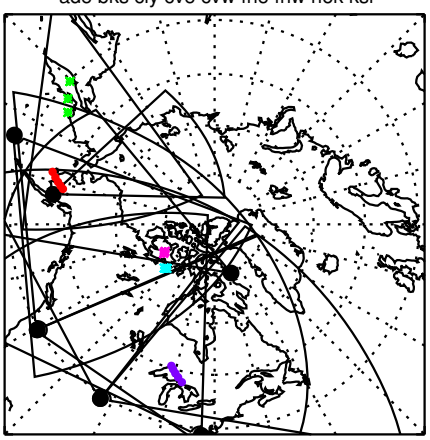


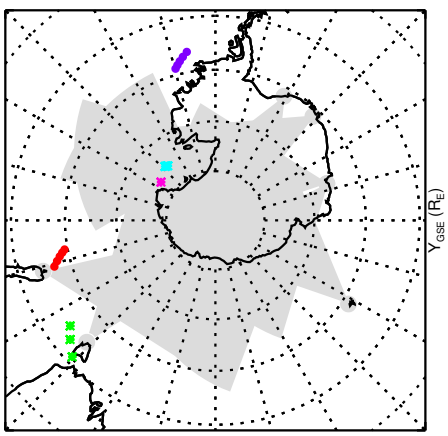
hal

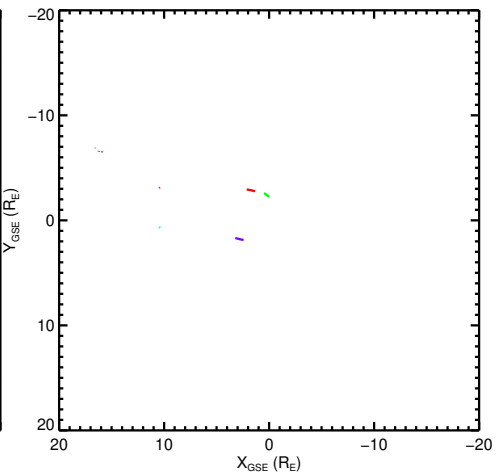




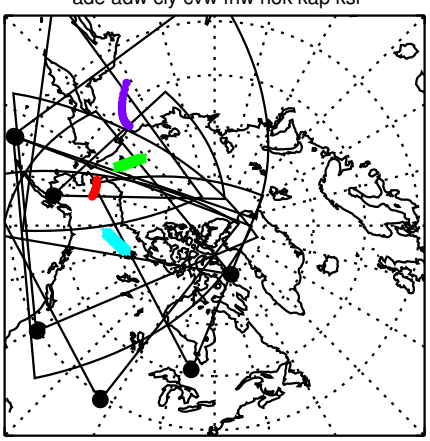

(e) 1950UT to 2010UT
ade bks cly cve cvw fhe fhw hok ksr



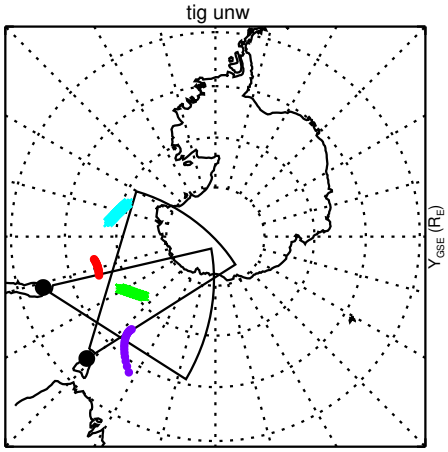


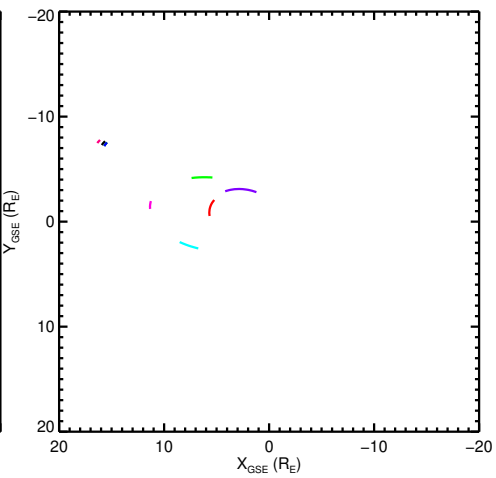



(f) 2220UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

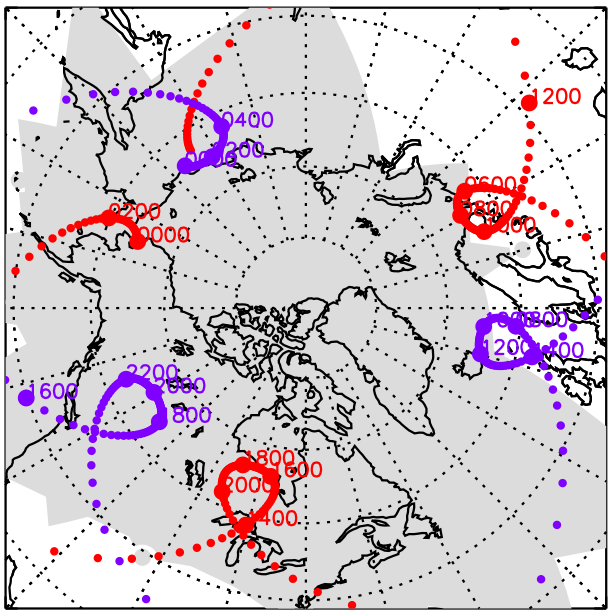


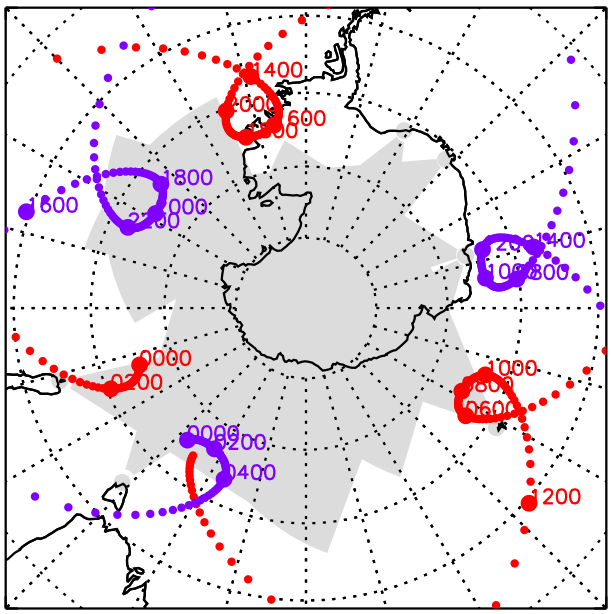


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

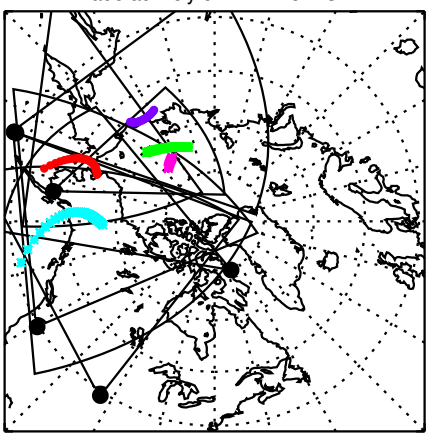
23–Mar–2014

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

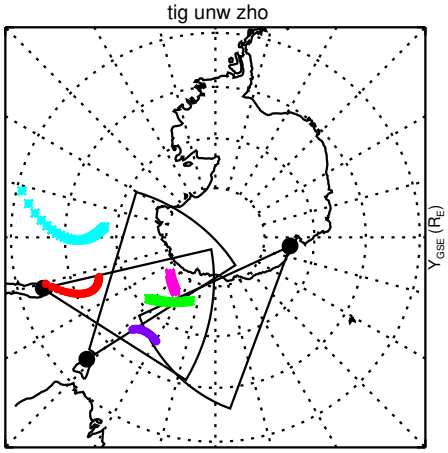


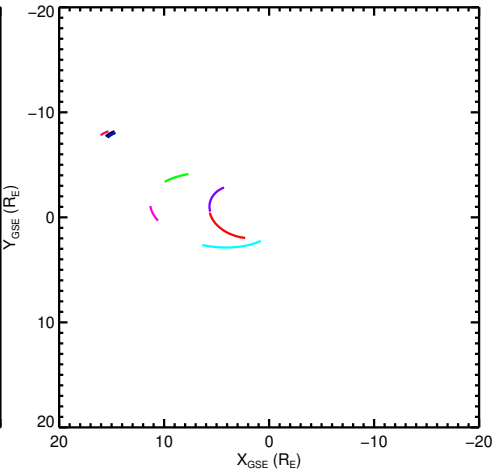


(a) 0000UT to 0240UT
ade adw cly cvw fhw hok ksr

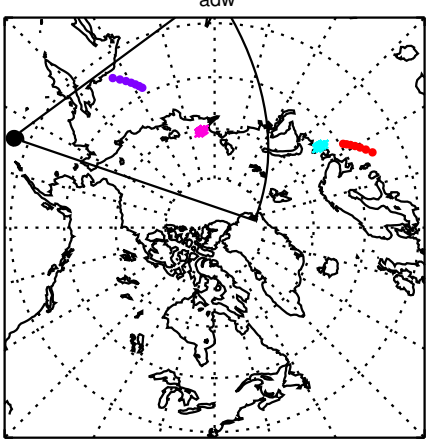


tig unw zho






(b) 0445UT to 0515UT
adw



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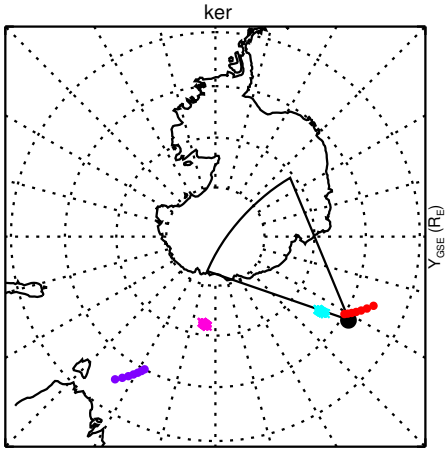
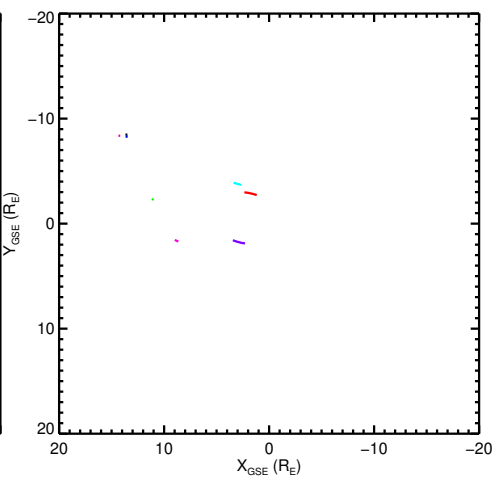
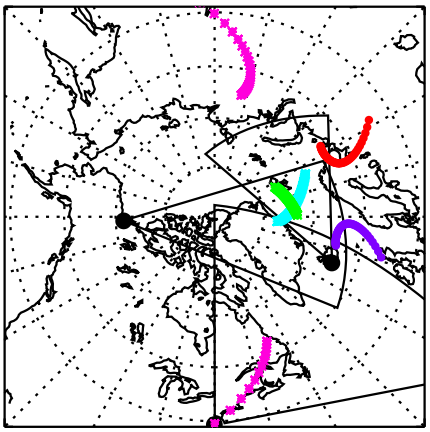
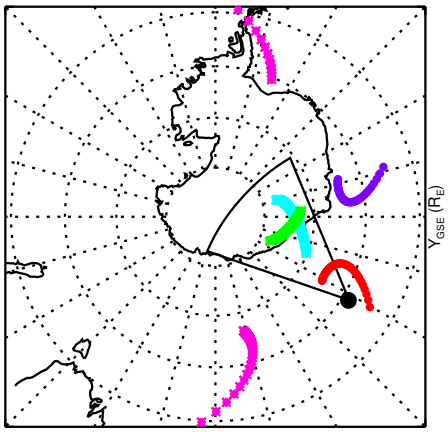


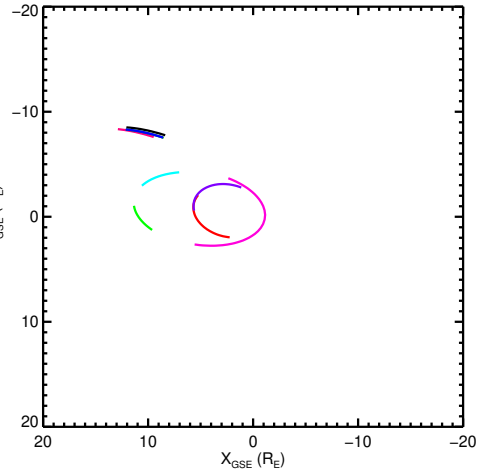


(c) 0720UT to 1140UT
inv pyk wal

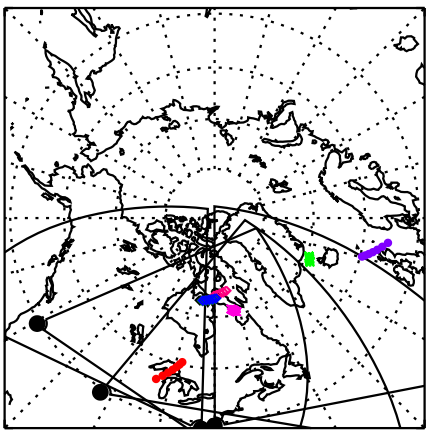


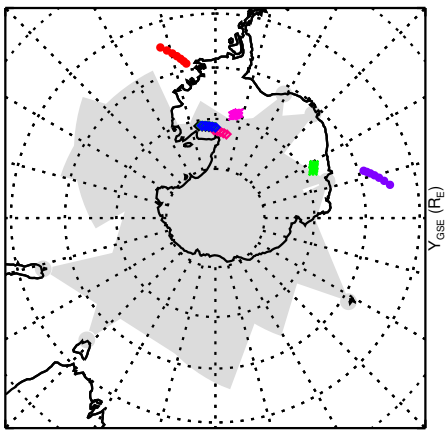
ker

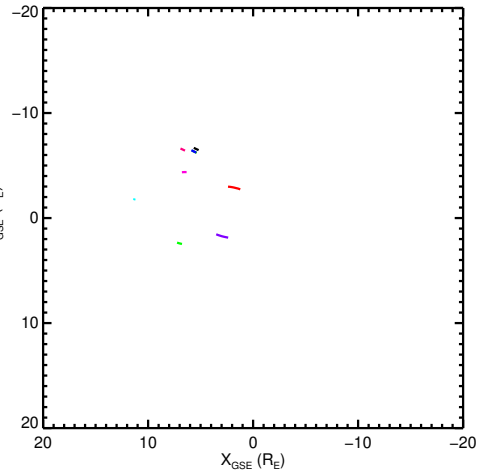




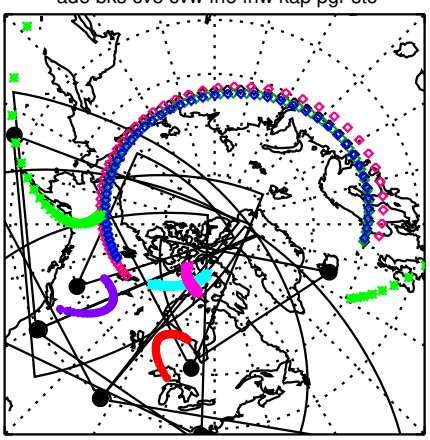

(d) 1345UT to 1415UT
bks cve fhe wal



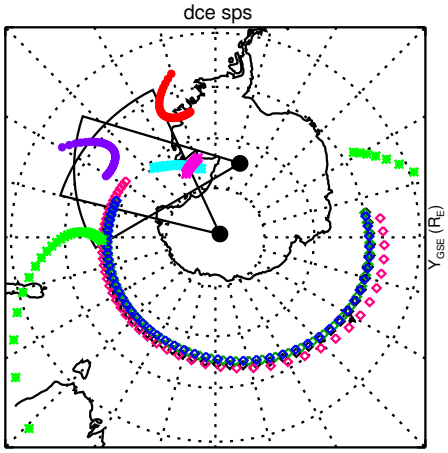


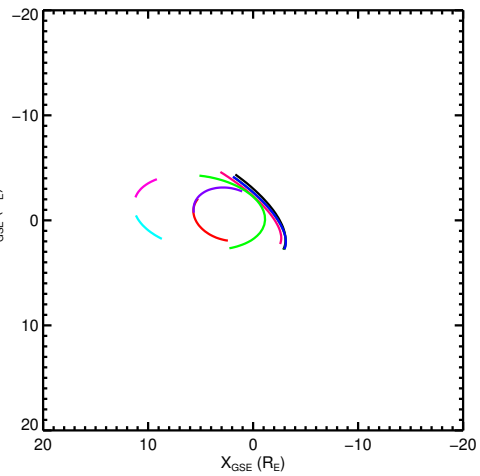



(e) 1620UT to 2035UT
ade bks cve cvw fhe fhw kap pgr sto

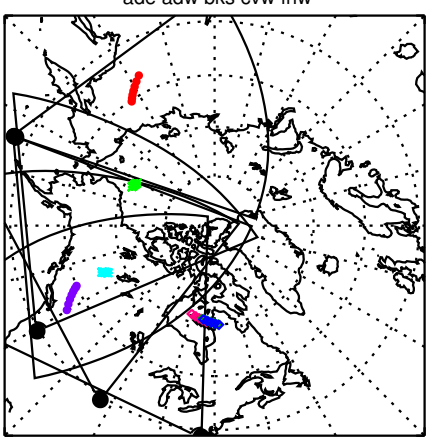


dce sps

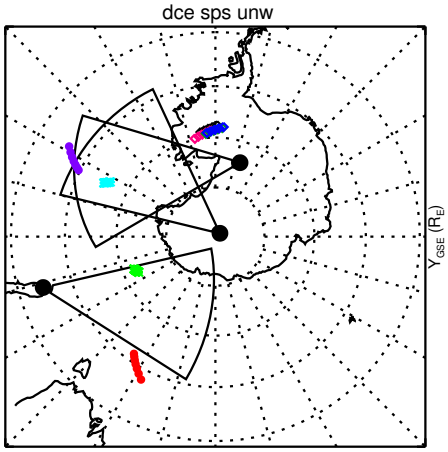


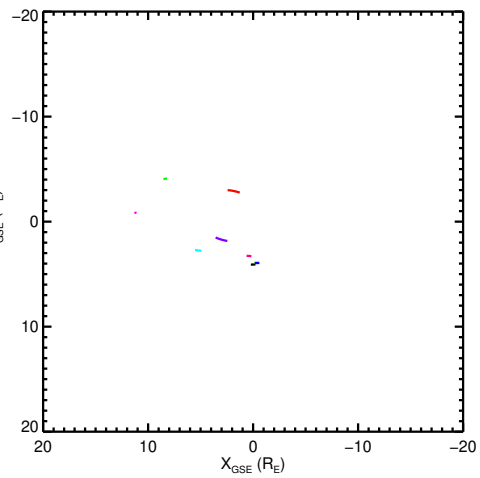



(f) 2245UT to 2315UT
ade adw bks cvw fhw



dce sps unw

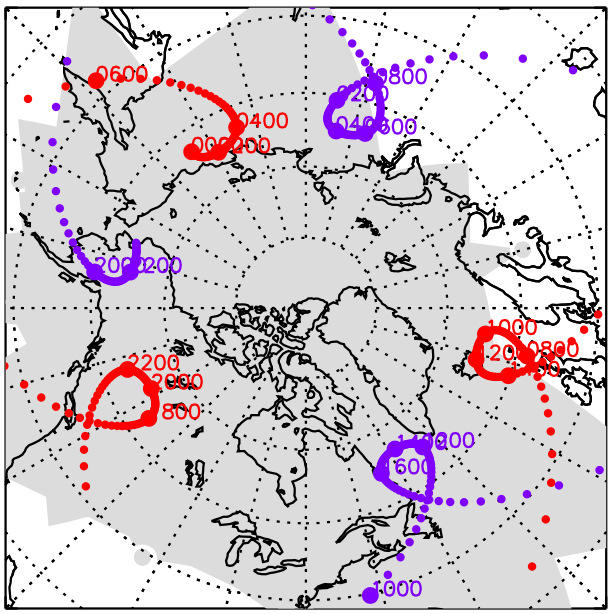


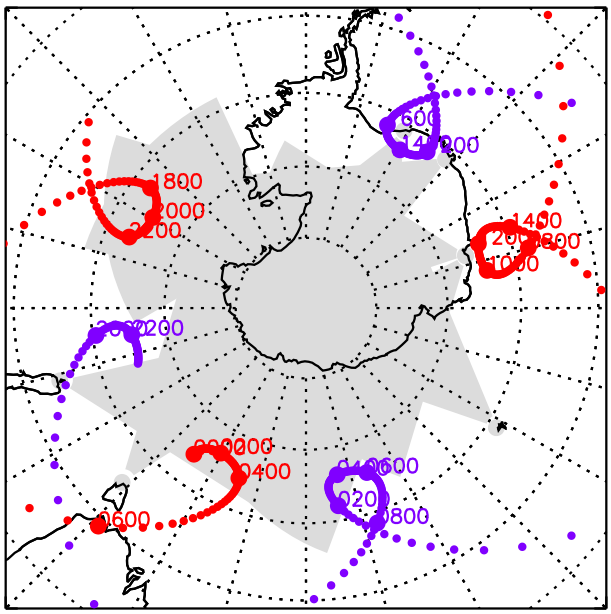


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

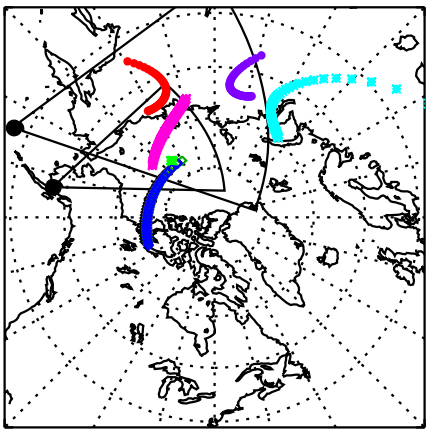
24–Mar–2014

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

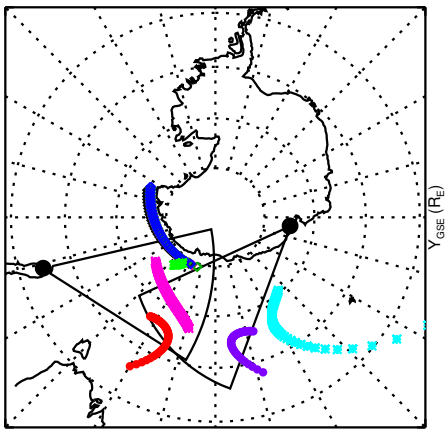


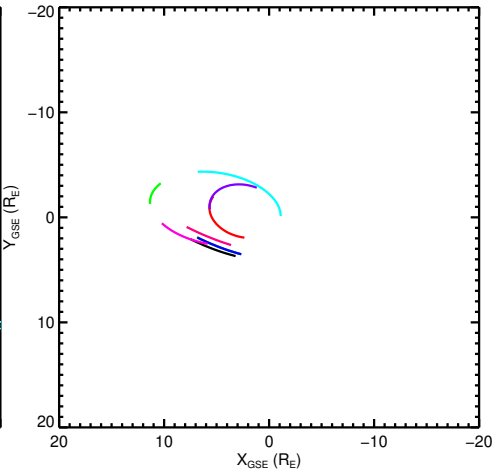


(a) 0125UT to 0535UT
adw ksr

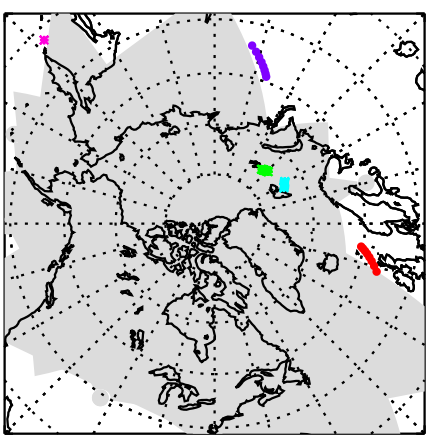


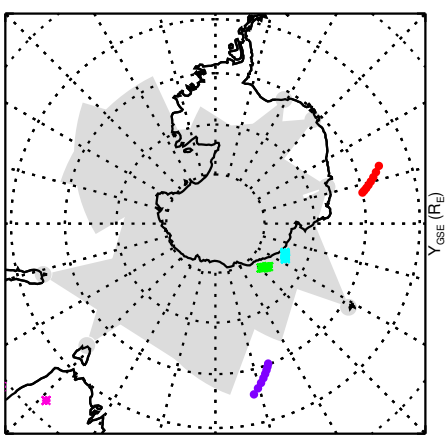
unw zho

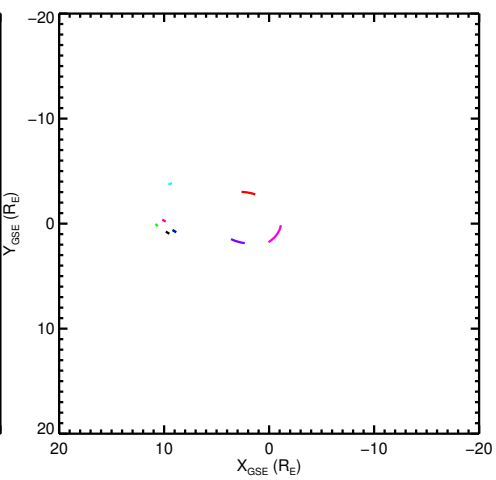




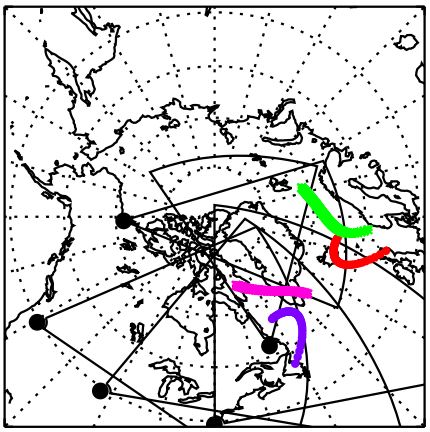

(b) 0745UT to 0820UT



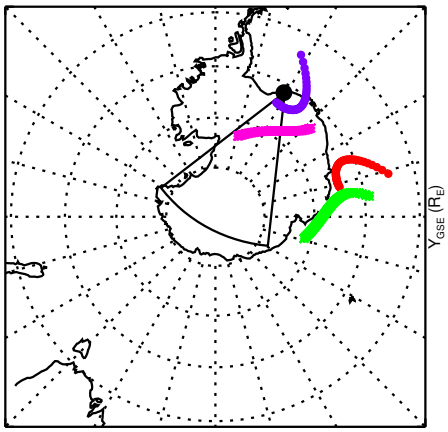


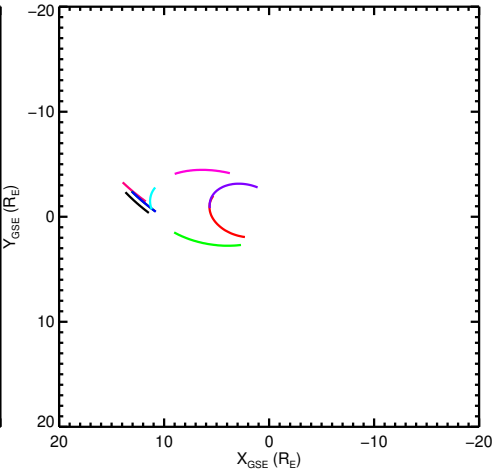


(c) 1025UT to 1435UT
cve fhe gbr inv wal

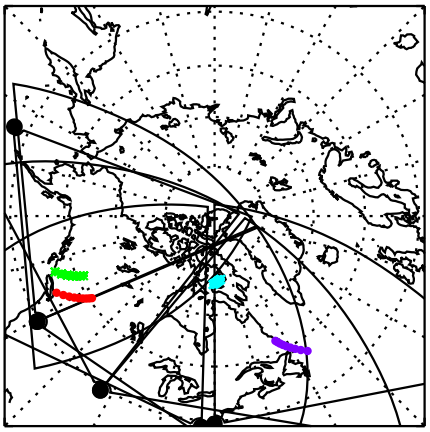


hal

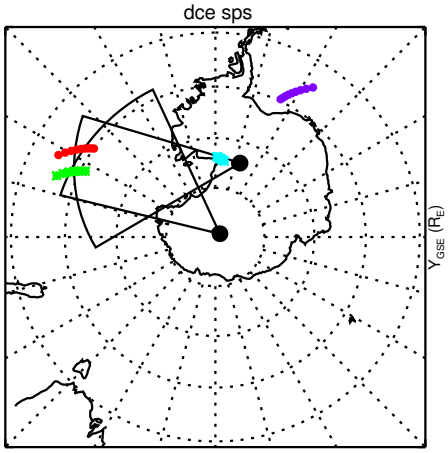


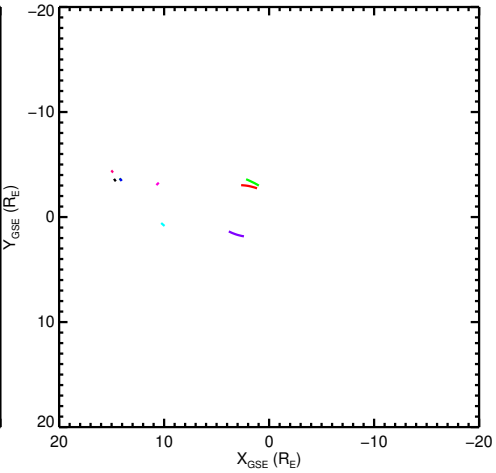



(d) 1640UT to 1720UT
ade bks cve cvw fhe fhw wal

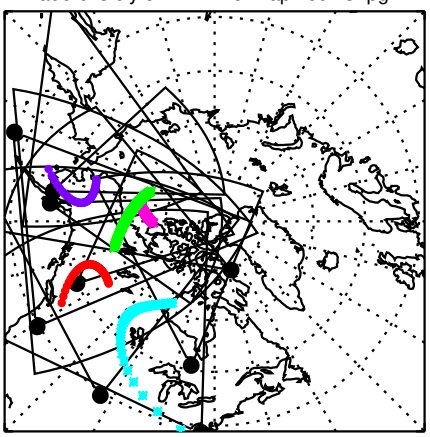


dce sps

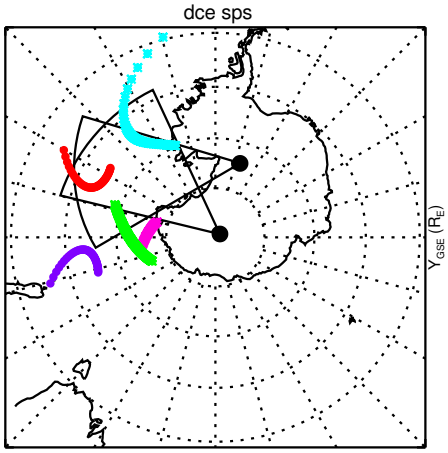


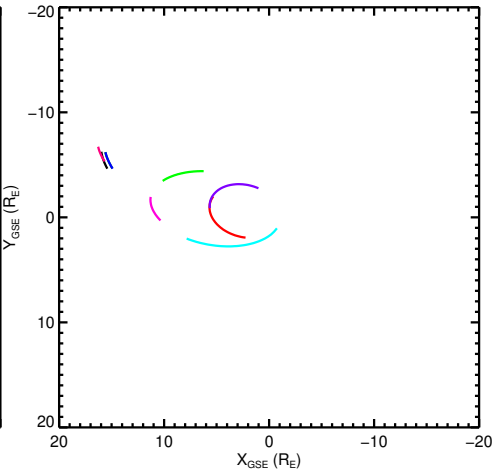



(e) 1925UT to 2335UT
ade bks cly cvw fhw hok kap kod ksr pgr



dce sps

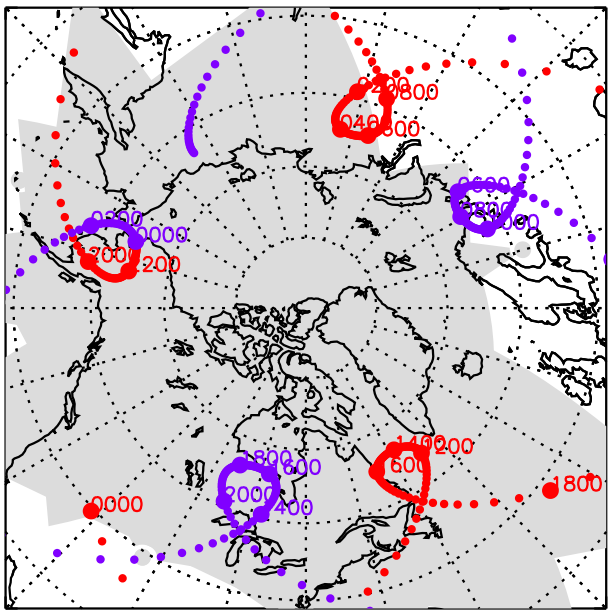


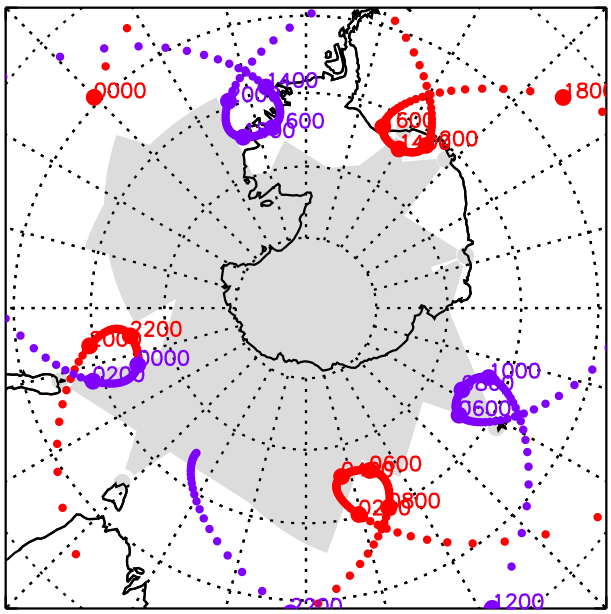


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

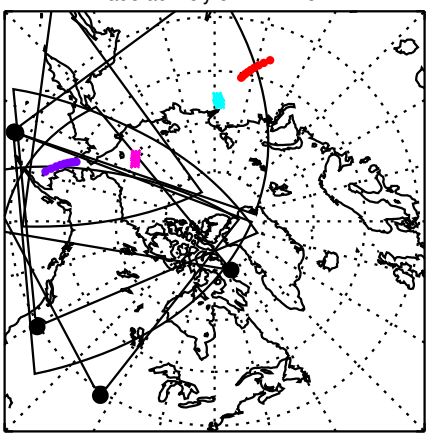
25–Mar–2014

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

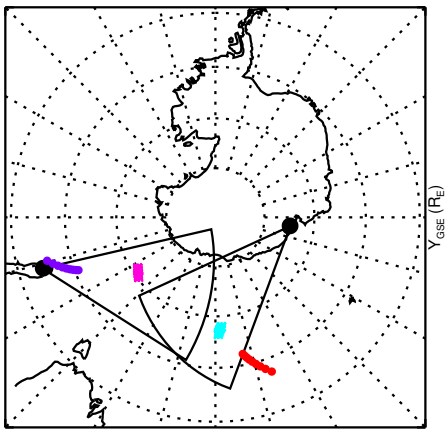


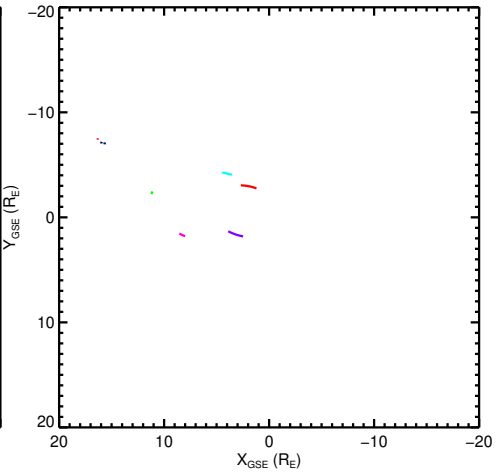


(a) 0140UT to 0220UT
ade adw cly cvw fhw hok

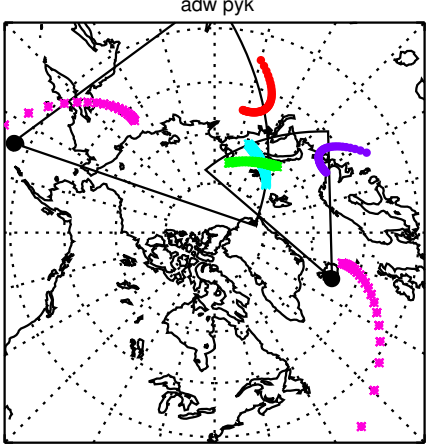


unw zho

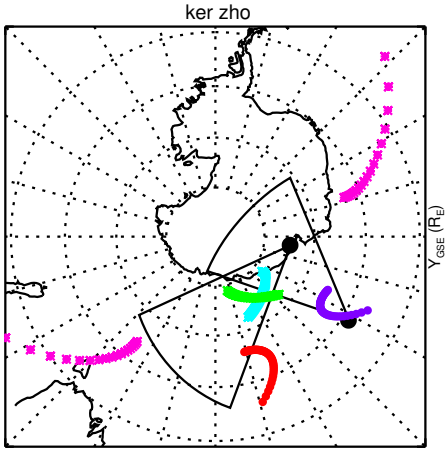


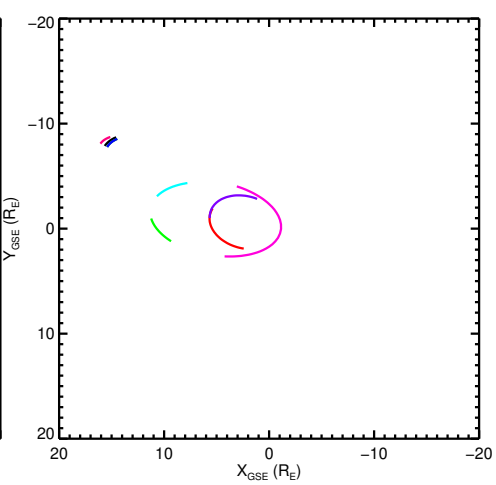



(b) 0430UT to 0830UT
adw pyk

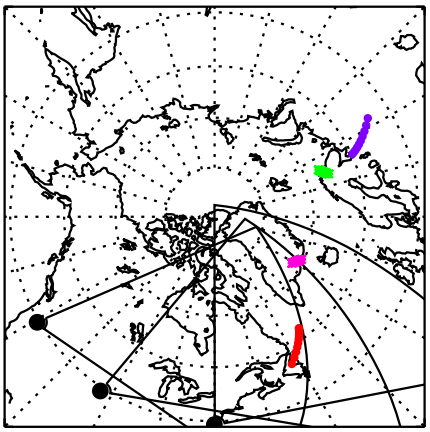


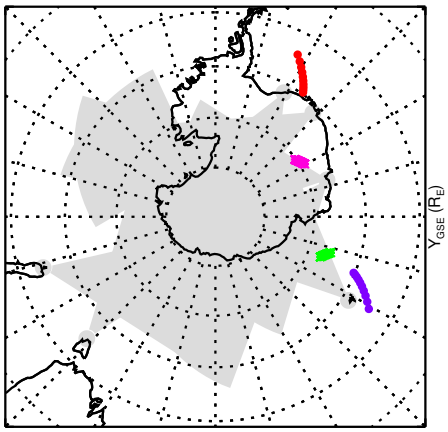
ker zho

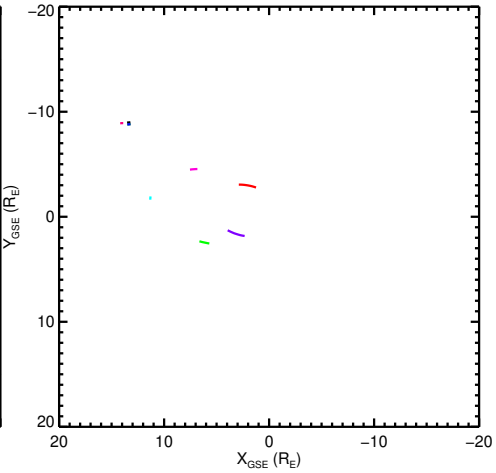




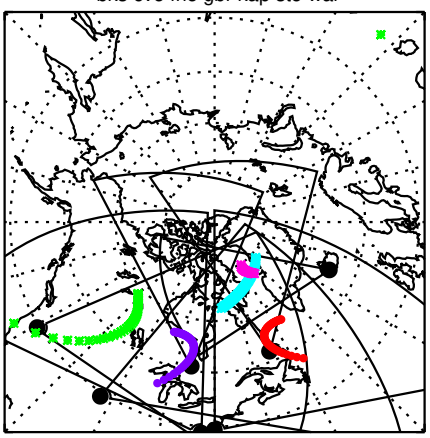
(c) 1040UT to 1125UT
cve fhe wal



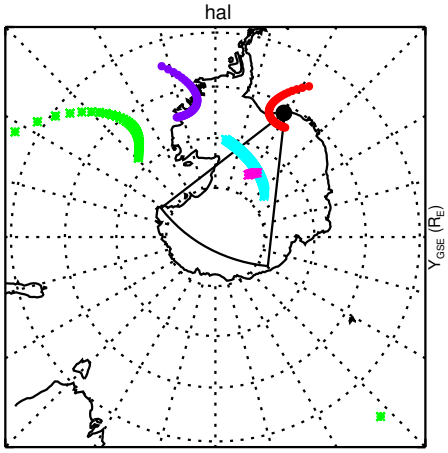


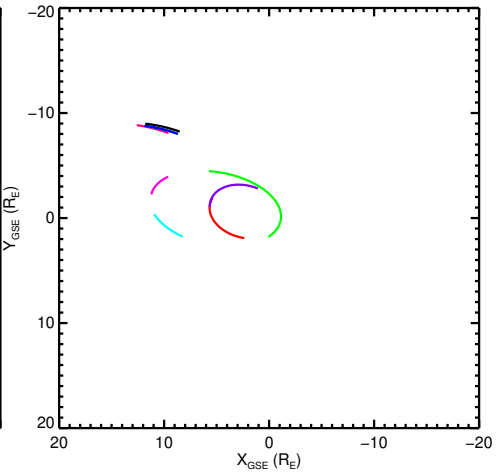



(d) 1330UT to 1730UT
bks cve fhe gbr kap sto wal

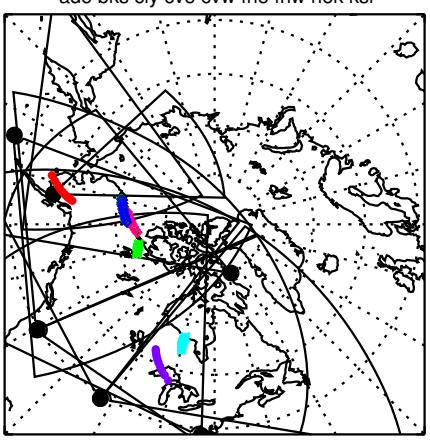


hal

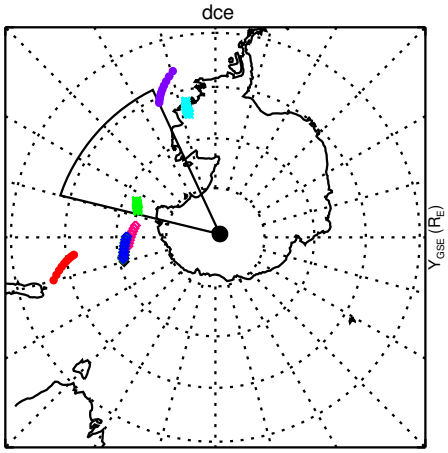


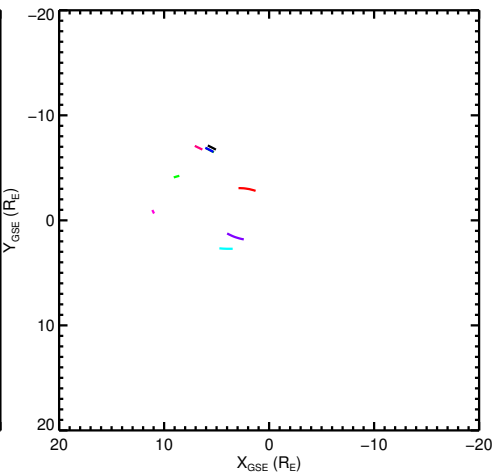



(e) 1940UT to 2025UT
ade bks cly cve cvw fhe fhw hok ksr

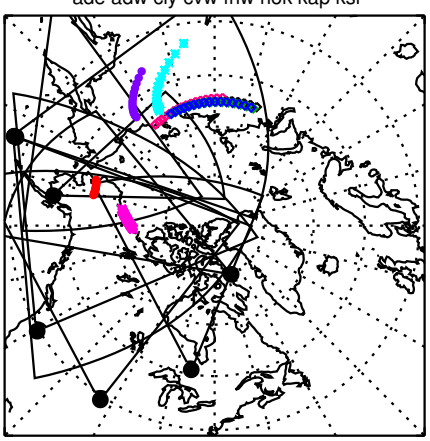


dce

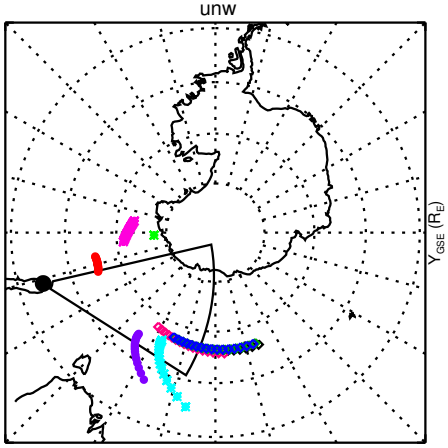


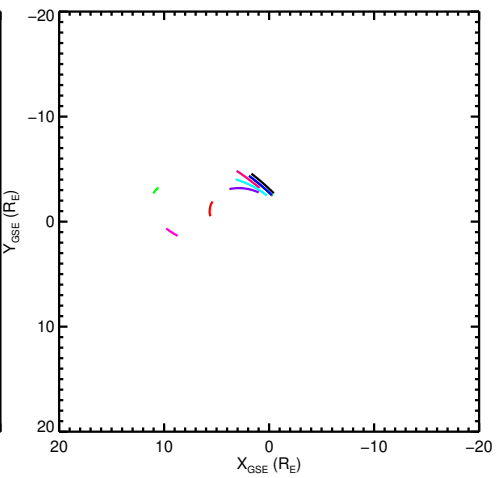



(f) 2230UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw

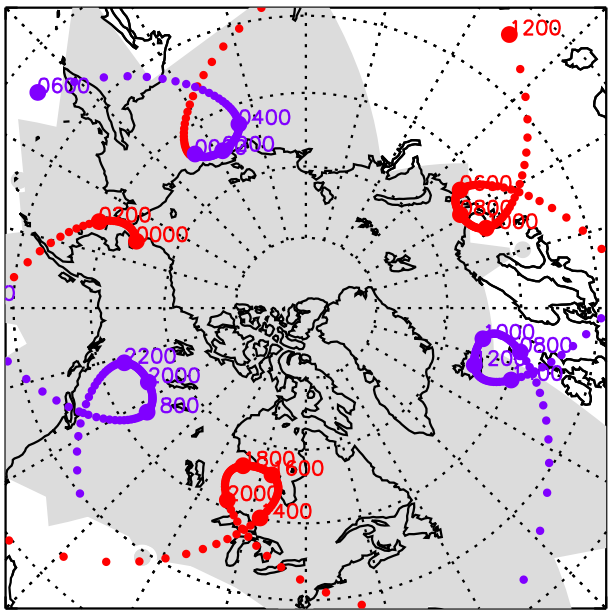


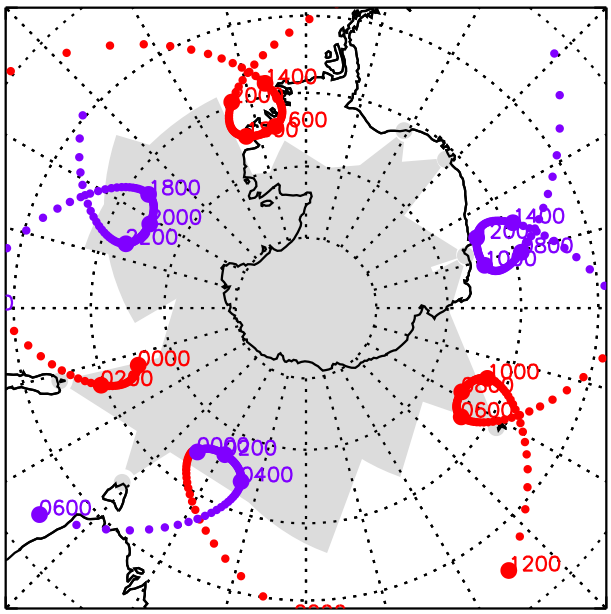


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

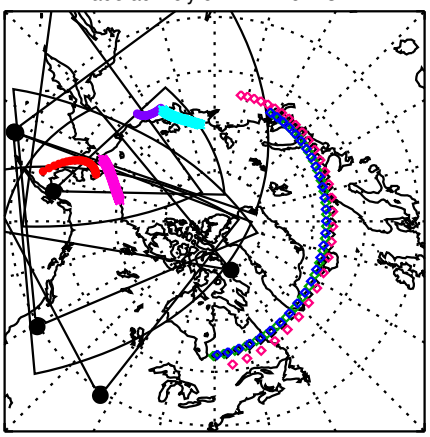
26–Mar–2014

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

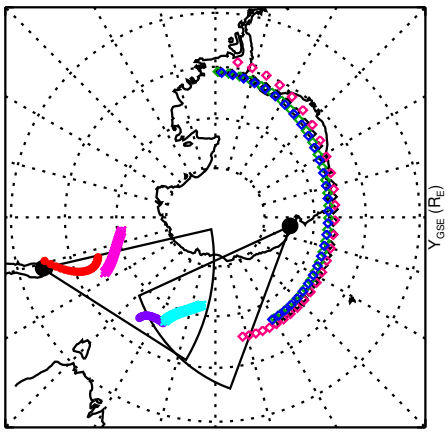


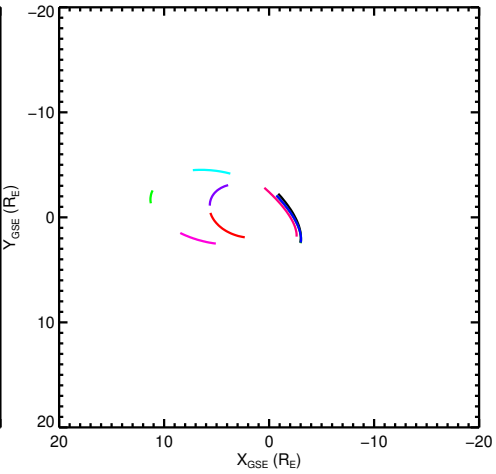




(a) 0000UT to 0230UT
ade adw cly cvw fhw hok ksr

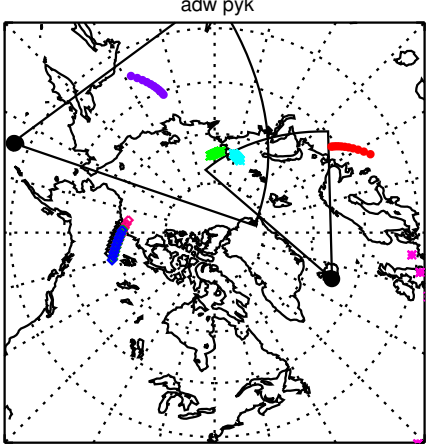


unw zho

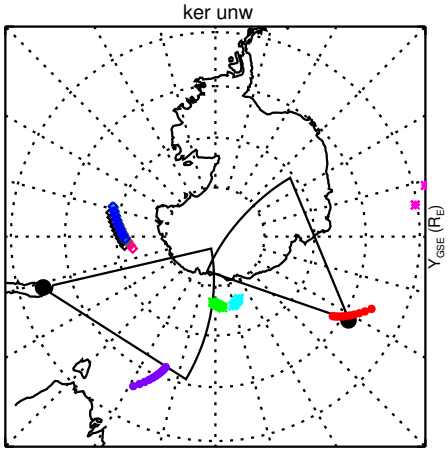


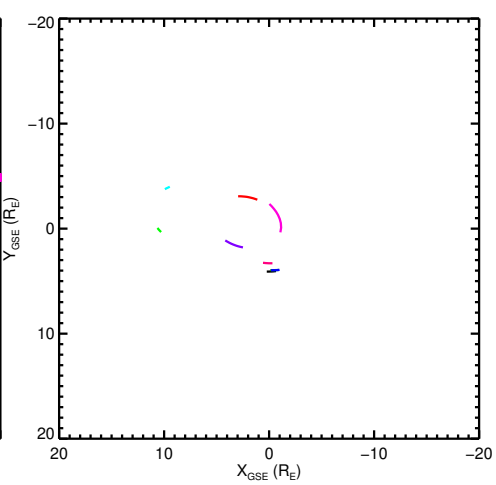



(b) 0435UT to 0525UT
adw pyk

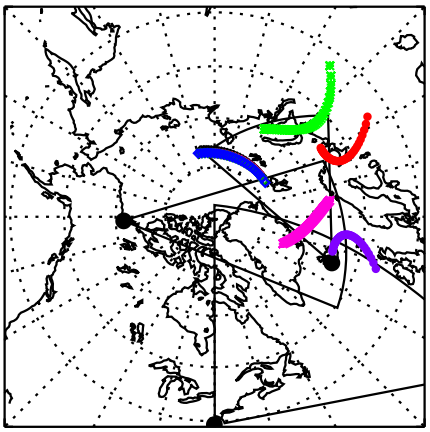


ker unw

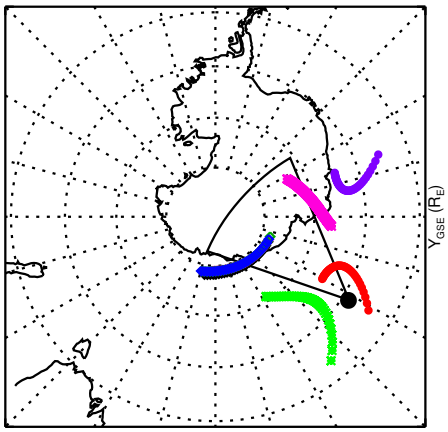


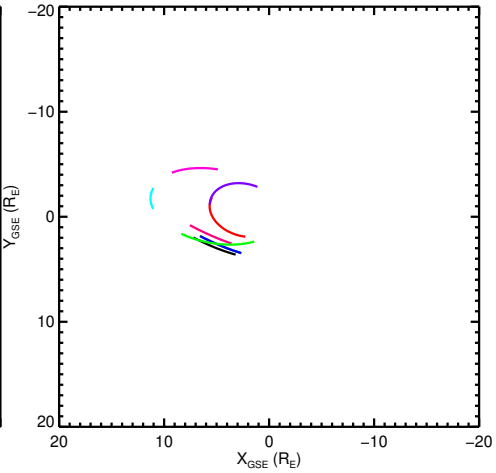


(c) 0735UT to 1130UT
inv pyk wal

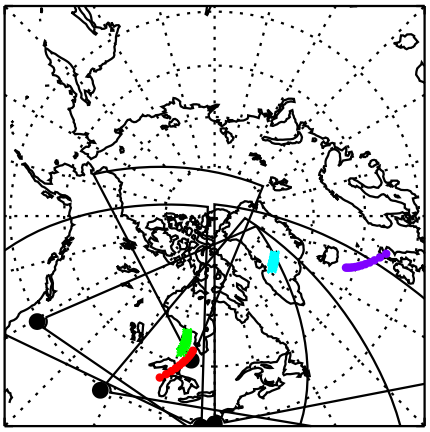


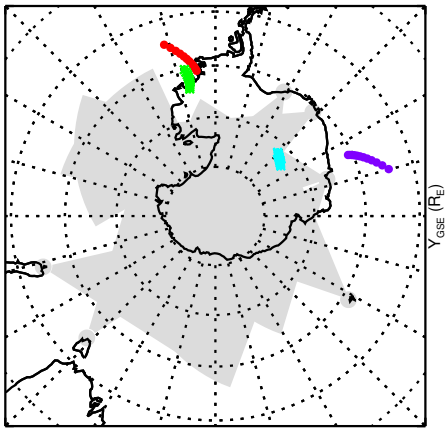
ker

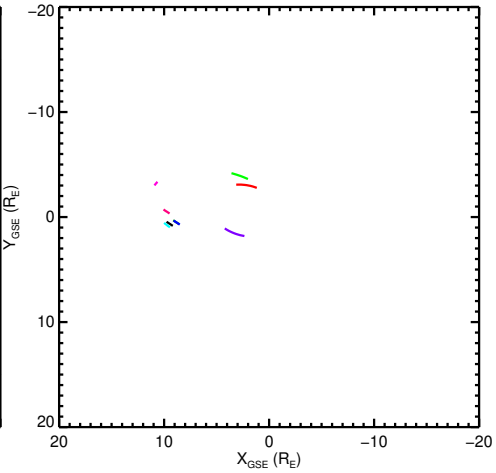




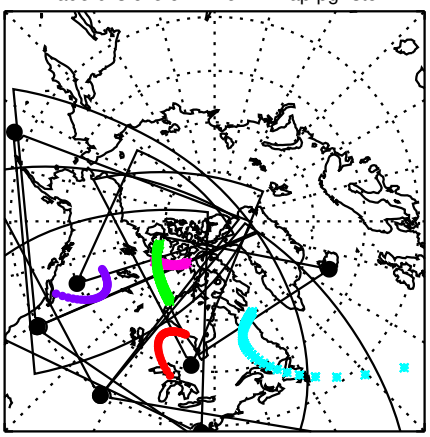

(d) 1335UT to 1430UT
bks cve fhe kap wal



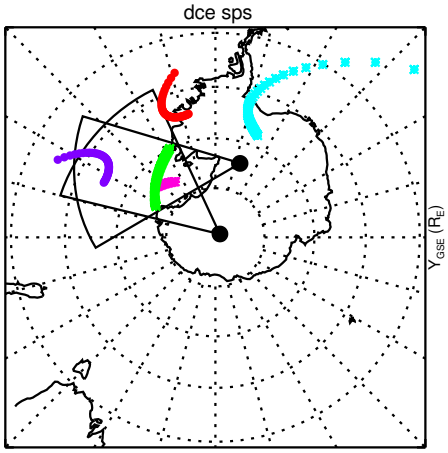


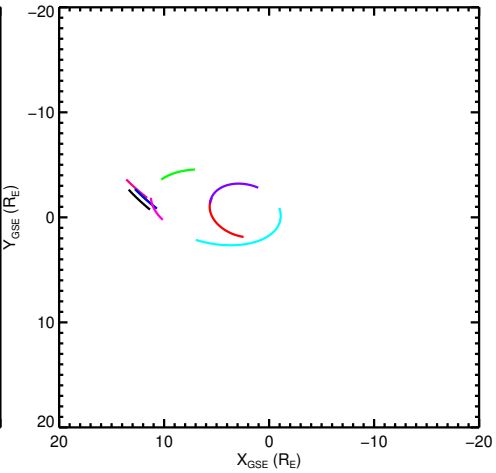



(e) 1635UT to 2025UT
ade bks cve cvw fhe fhw kap pgr sto

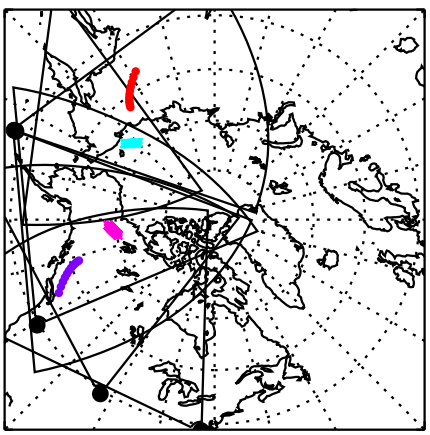


dce sps

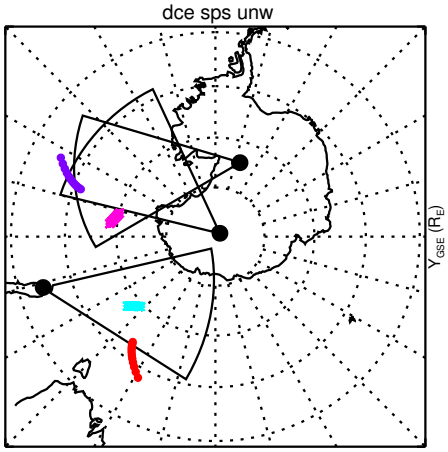


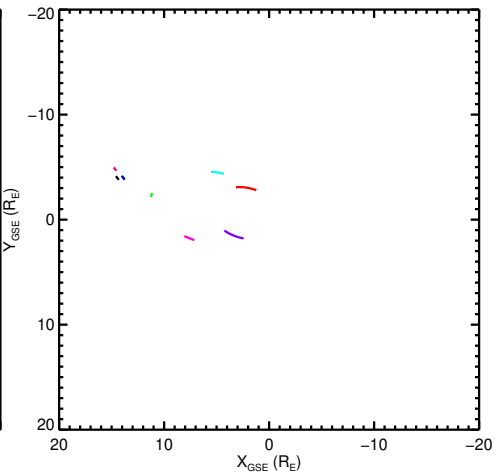



(f) 2235UT to 2330UT
ade adw bks cvw fhw hok



dce sps unw

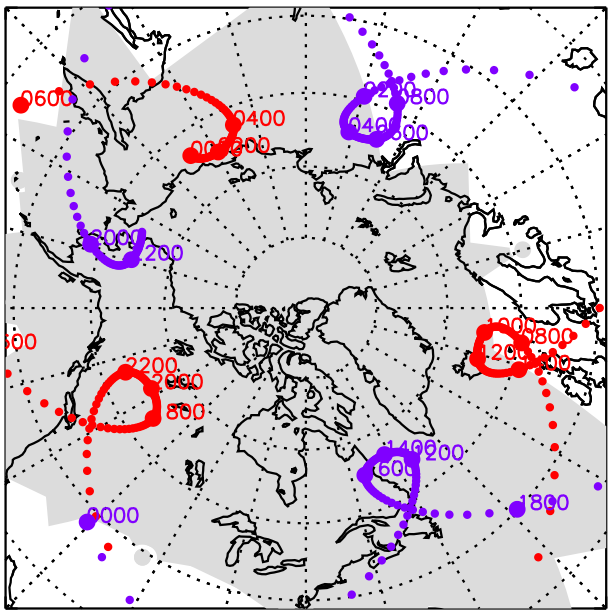


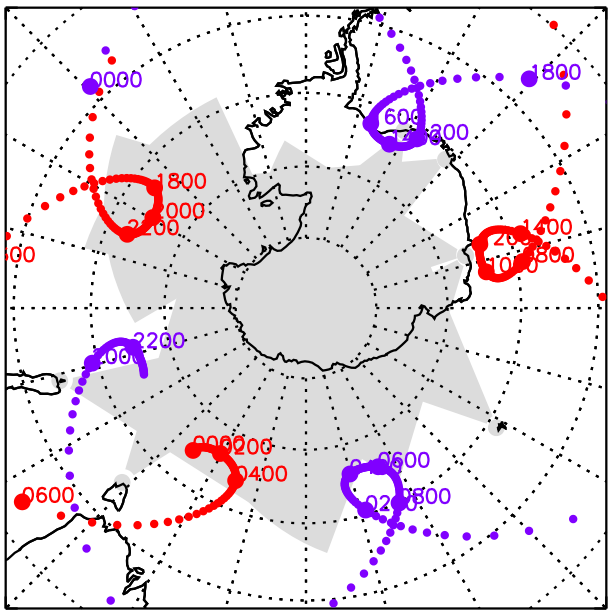


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

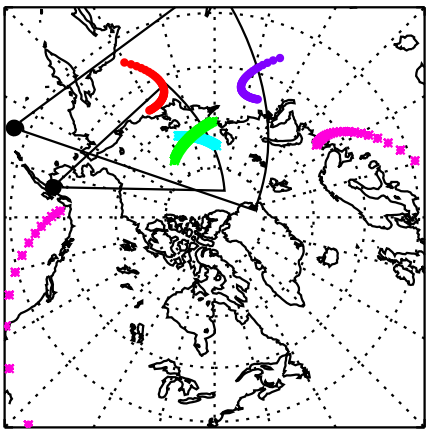
27–Mar–2014

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

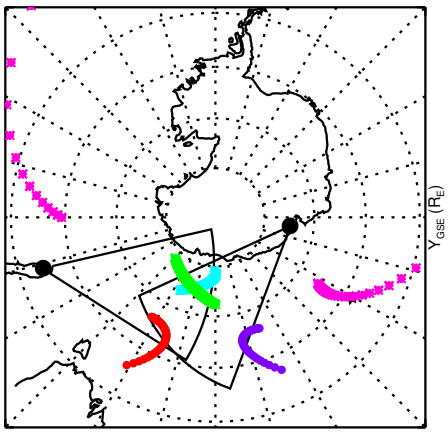


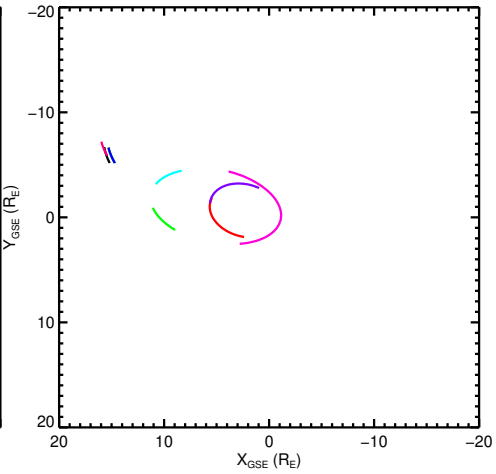


(a) 0135UT to 0525UT
adw ksr

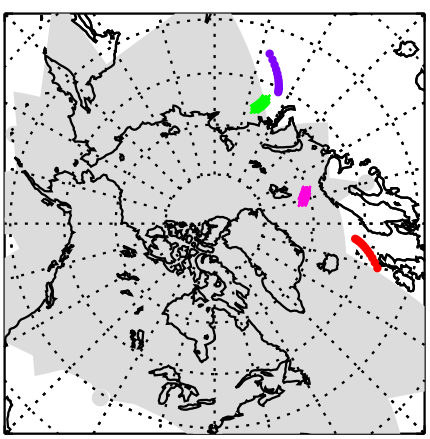


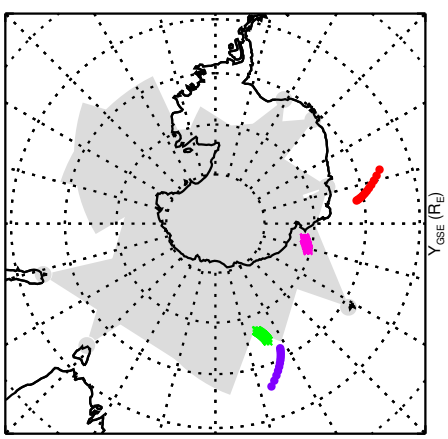
unw zho

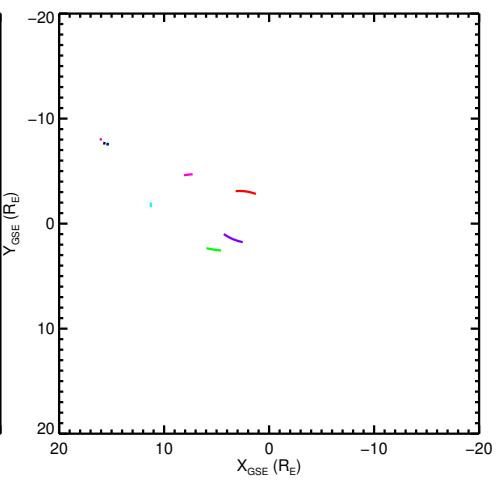




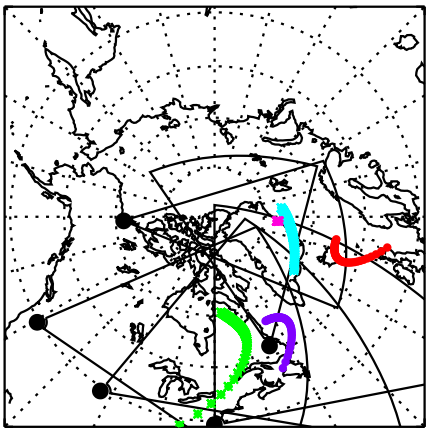

(b) 0735UT to 0830UT



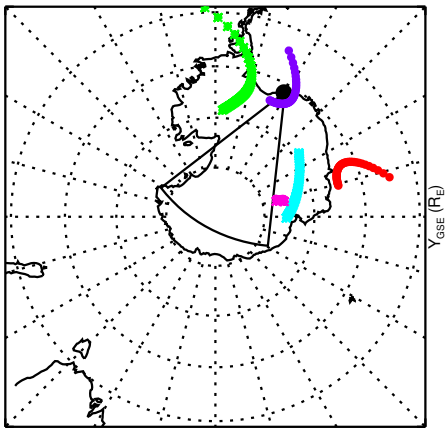


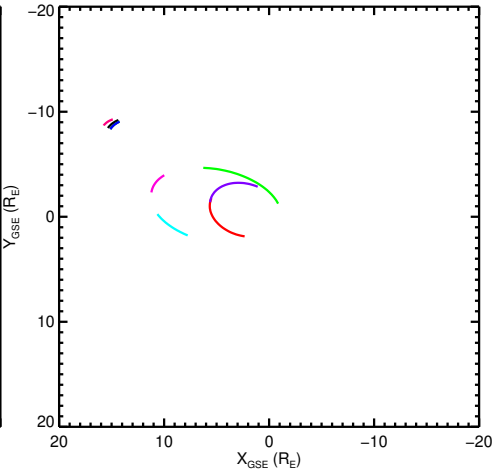


(c) 1040UT to 1425UT
cve fhe gbr inv wal

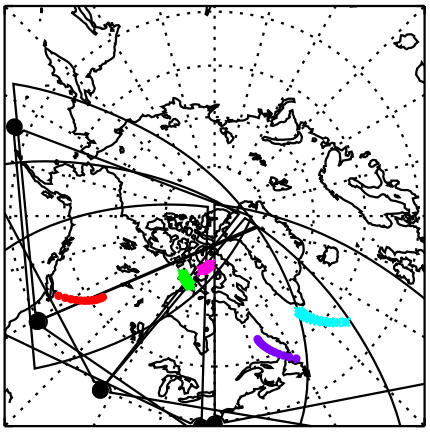


hal

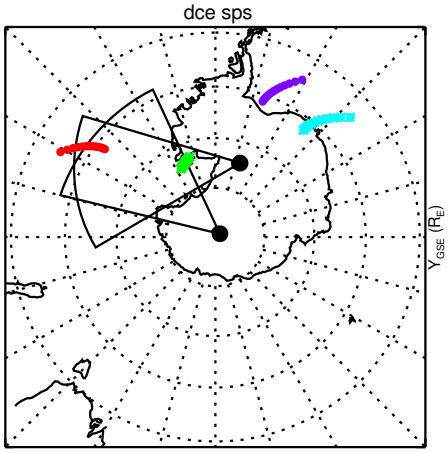


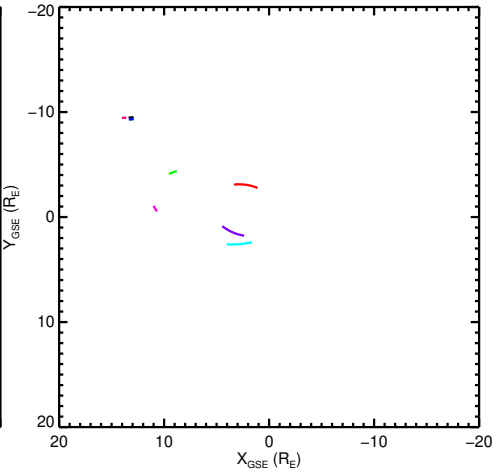



(d) 1630UT to 1735UT
ade bks cve cvw fhe fhw wal

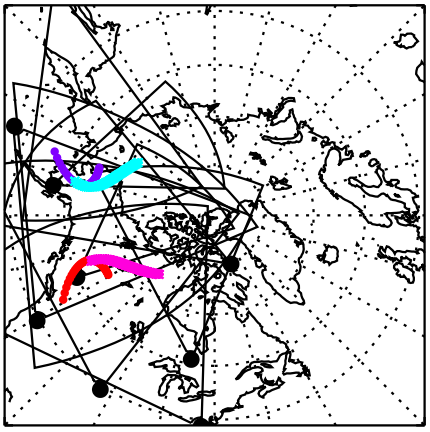


dce sps

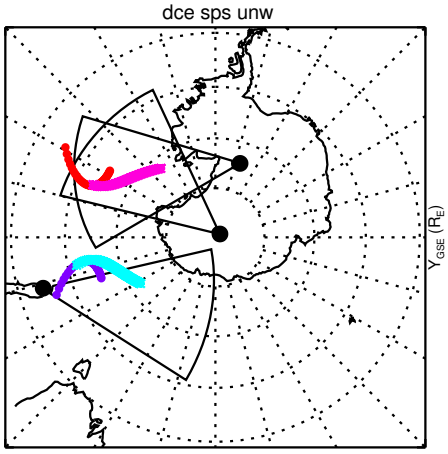


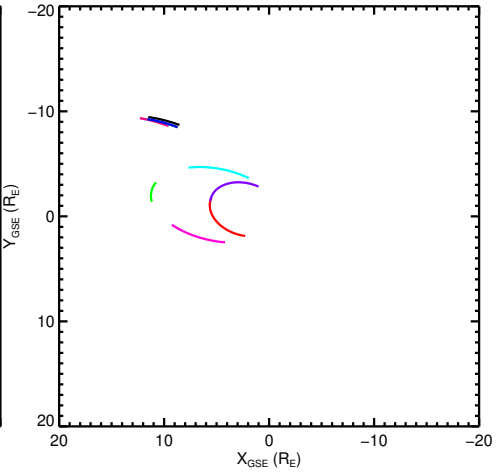



(e) 1940UT to 2325UT
ade bks cly cvw fhw hok kap ksr pgr



dce sps unw

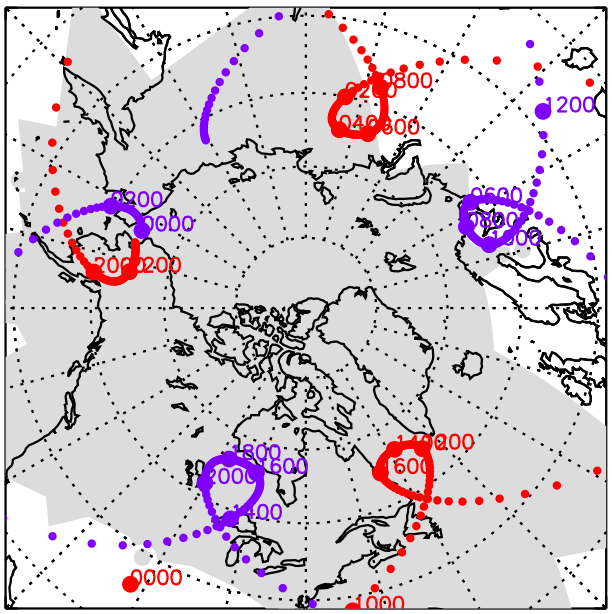


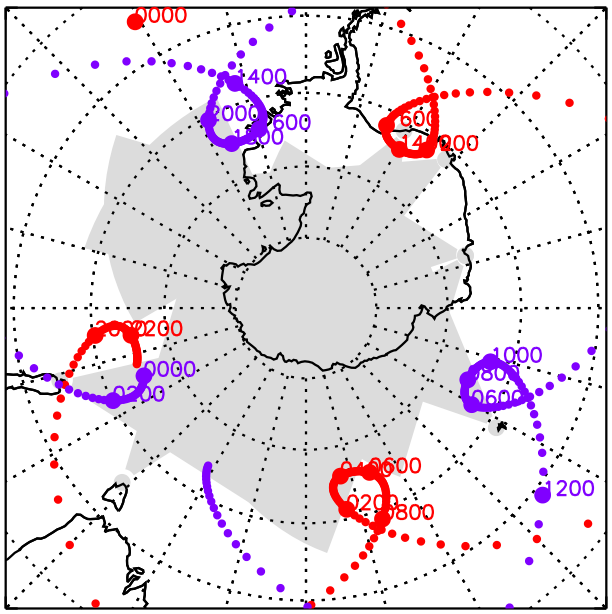


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

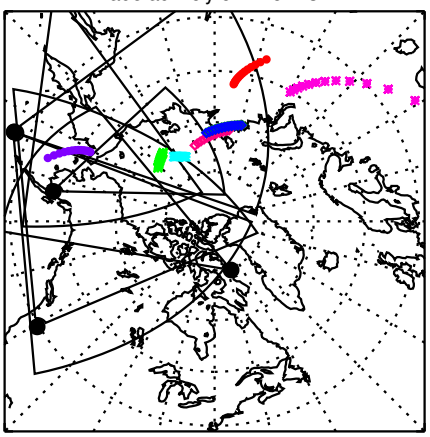
28–Mar–2014

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

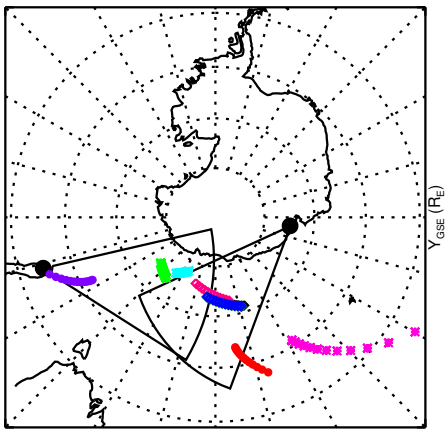


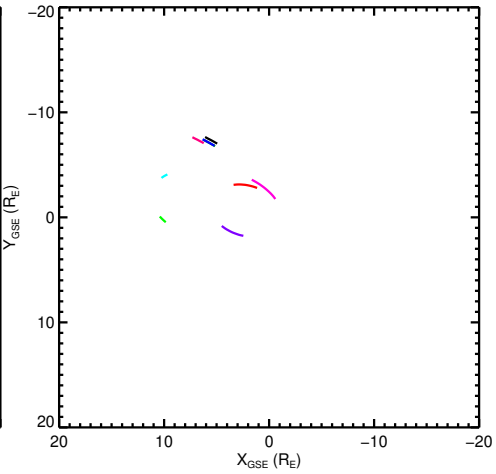


(a) 0130UT to 0235UT
ade adw cly cvw hok ksr

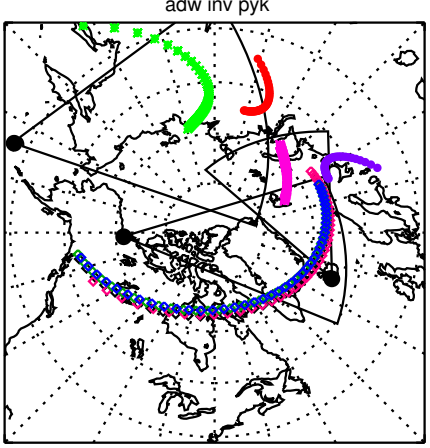


unw zho

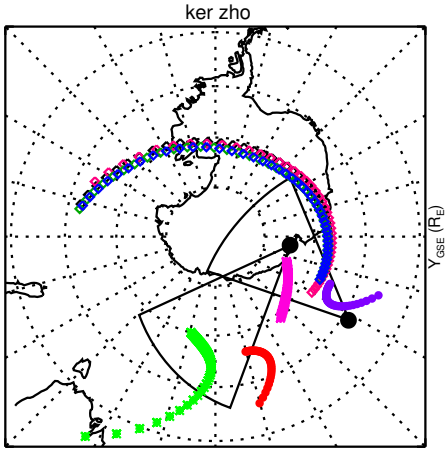


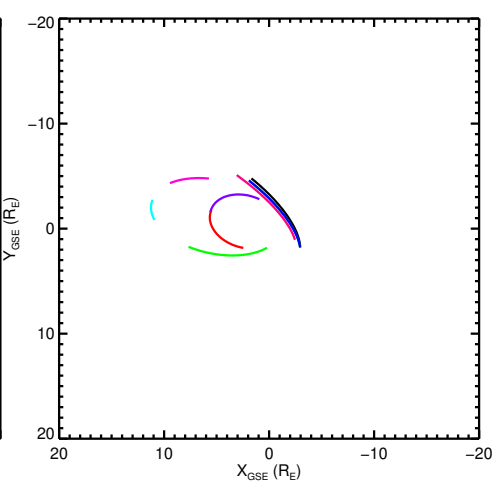



(b) 0440UT to 0820UT
adw inv pyk

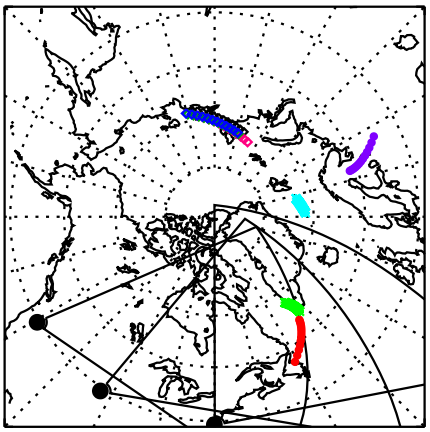


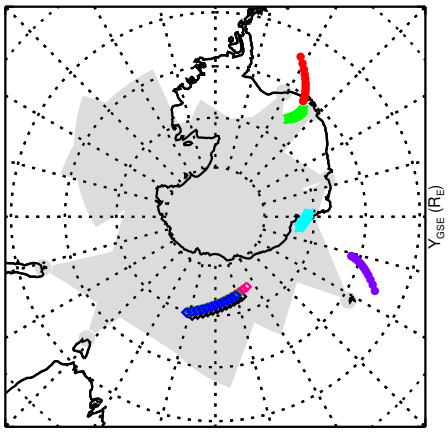
ker zho

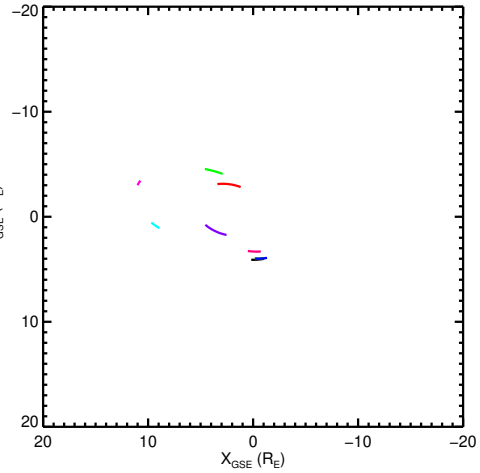




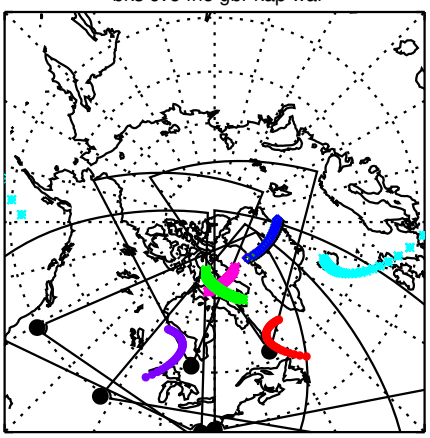
(c) 1030UT to 1135UT
cve fhe wal



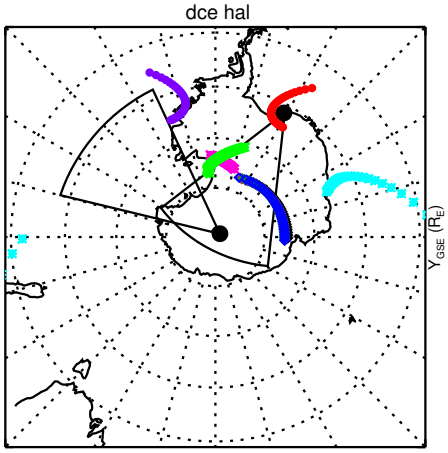


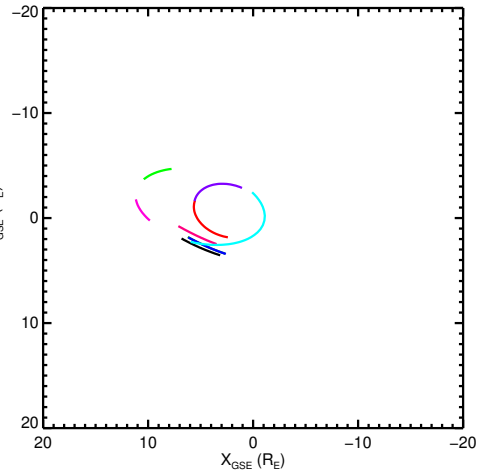



(d) 1345UT to 1720UT
bks cve fhe gbr kap wal

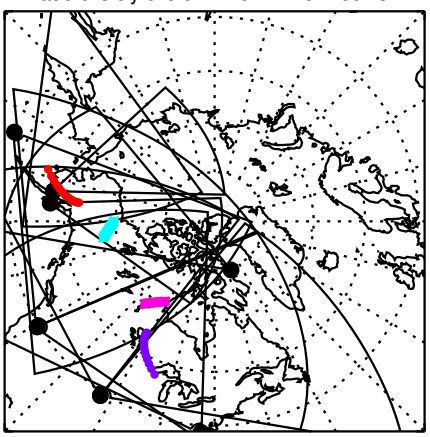


dce hal

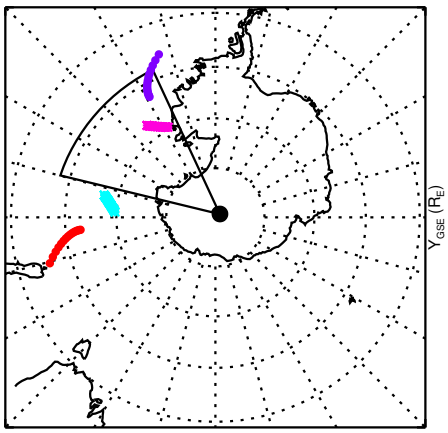


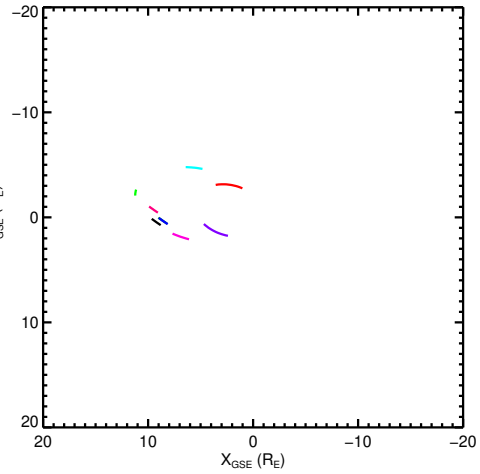



(e) 1925UT to 2040UT
ade bks cly cve cvw fhe fhw hok kod ksr

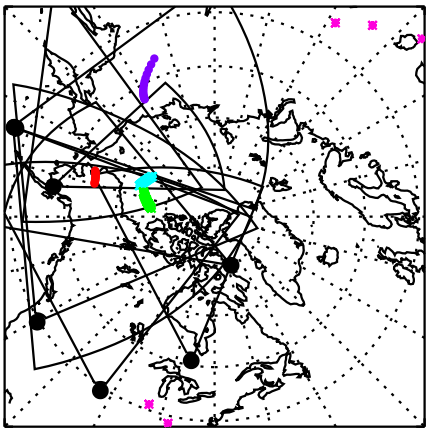


dce

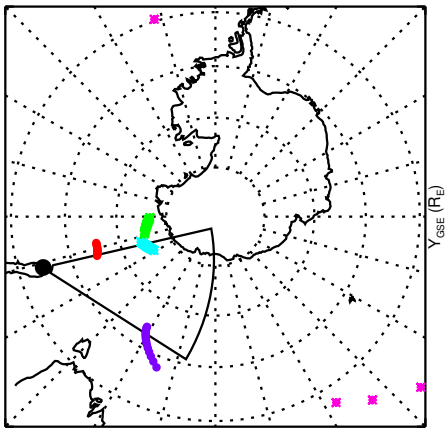


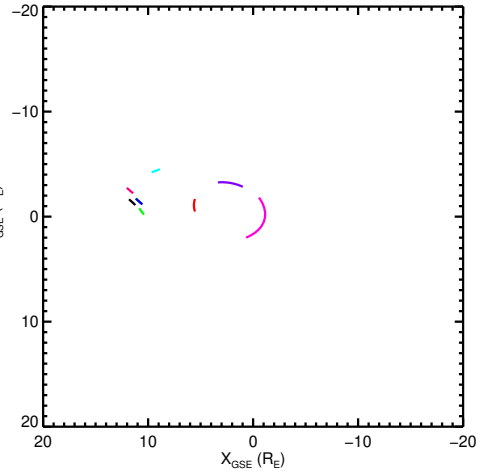



(f) 2245UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw

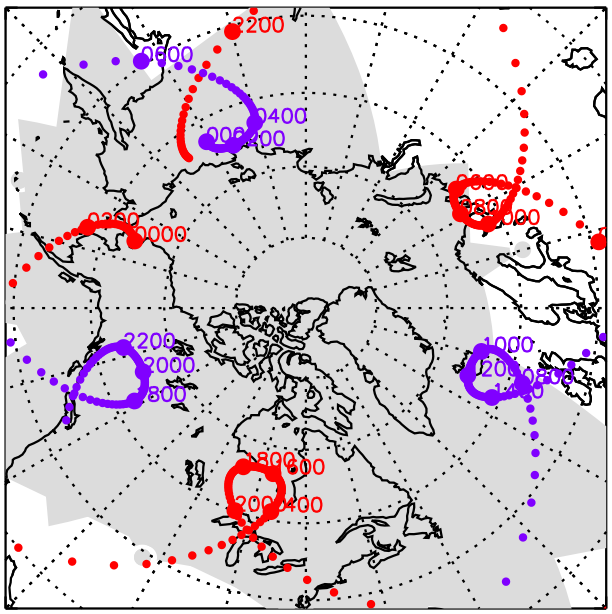


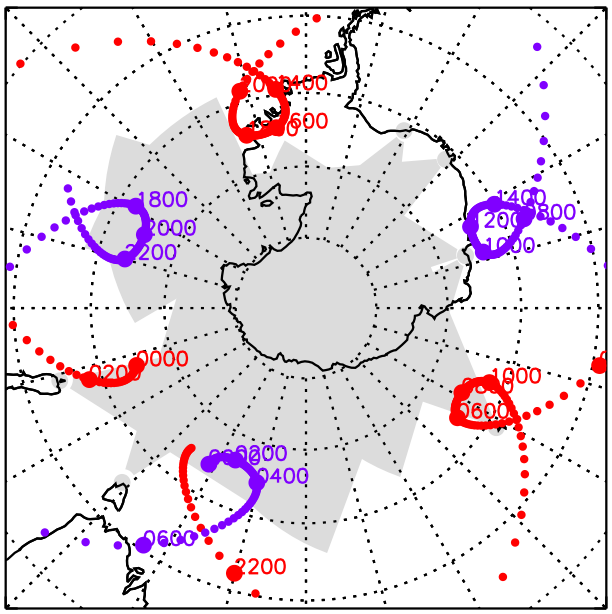


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

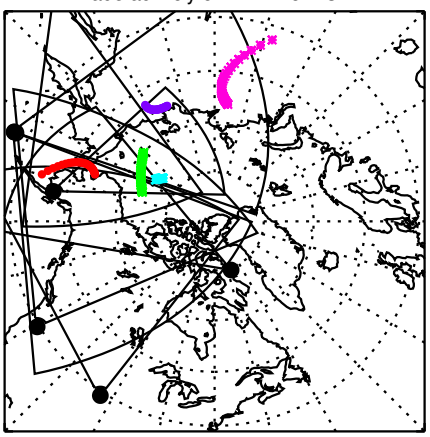
29–Mar–2014

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

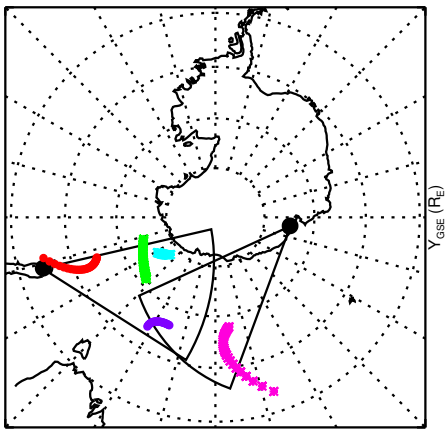


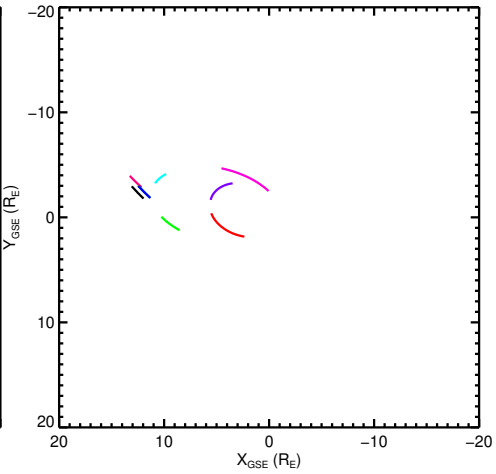


(a) 0000UT to 0220UT
ade adw cly cvw fhw hok ksr

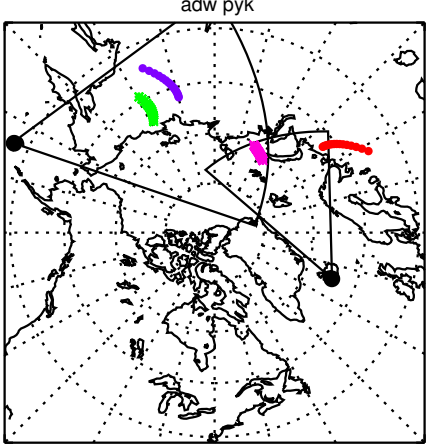


unw zho

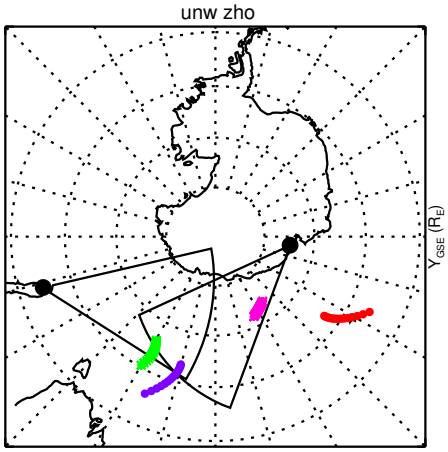


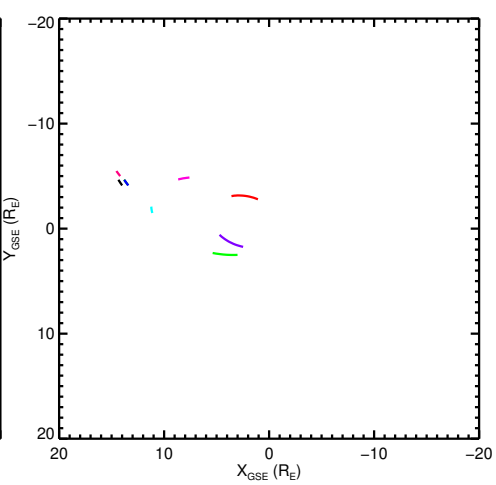



(b) 0425UT to 0540UT
adw pyk

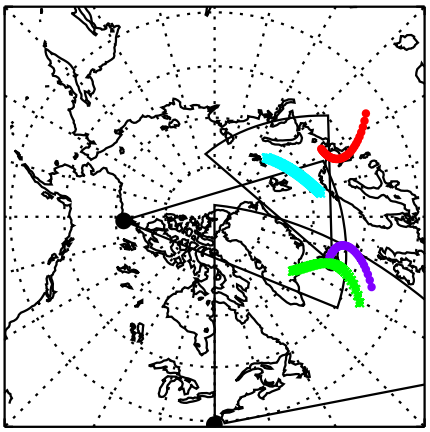


unw zho

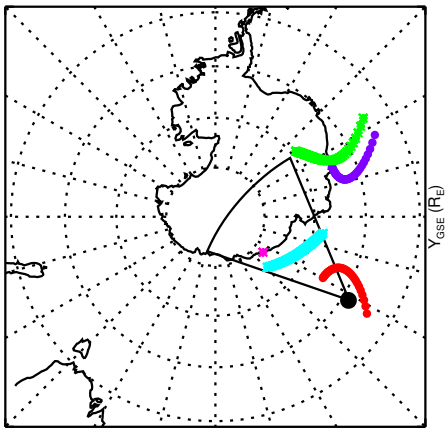


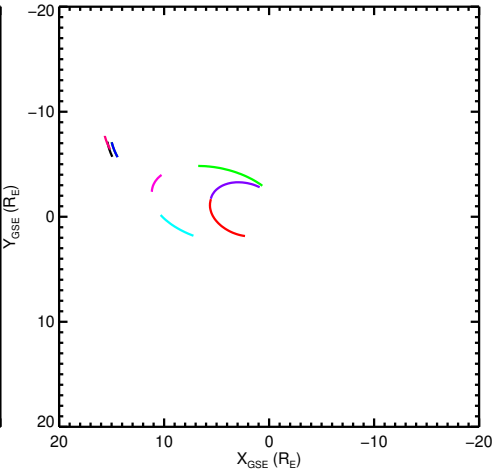


(c) 0745UT to 1120UT
inv pyk wal

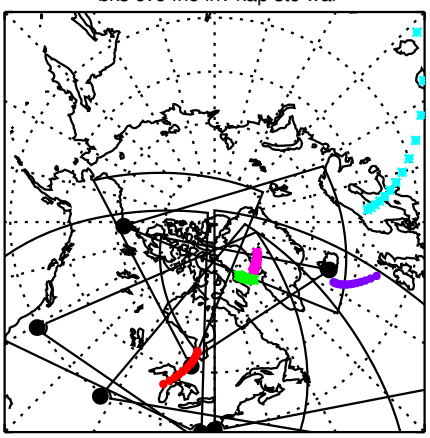


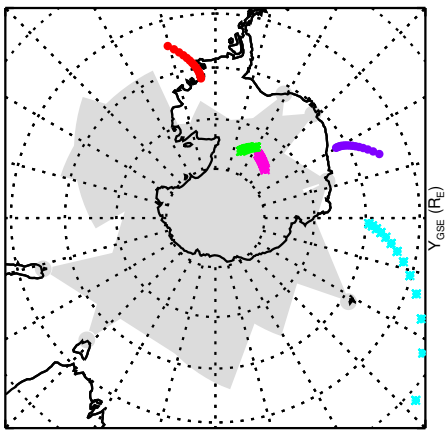
ker

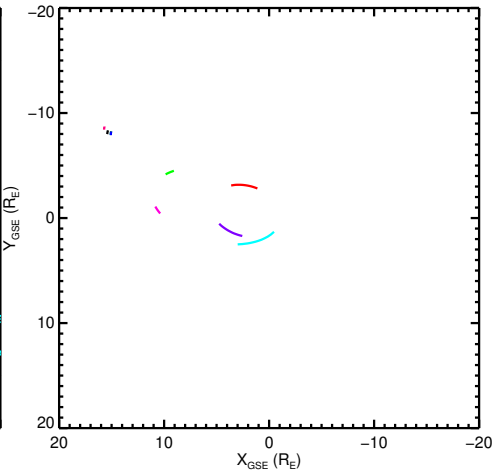




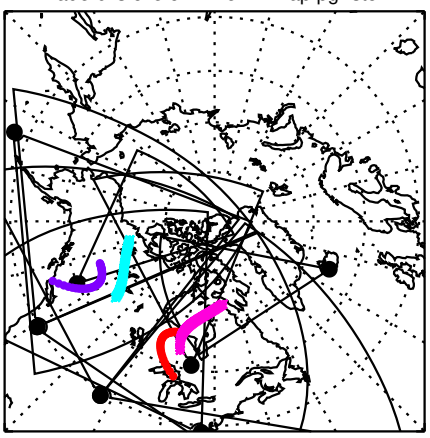

(d) 1325UT to 1440UT
bks cve fhe inv kap sto wal



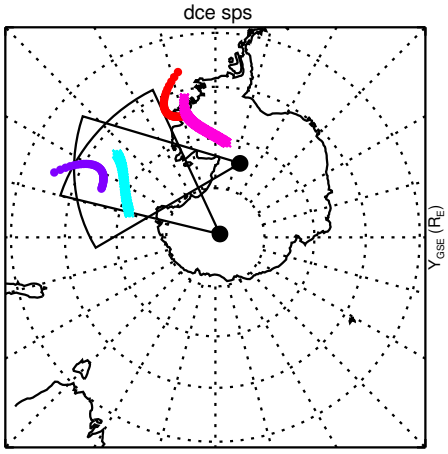


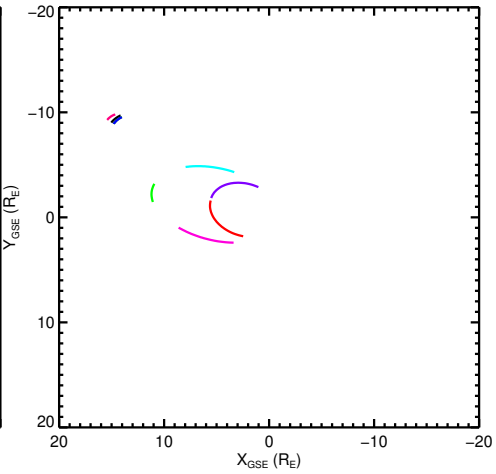



(e) 1650UT to 2015UT
ade bks cve cvw fhe fhw kap pgr sto

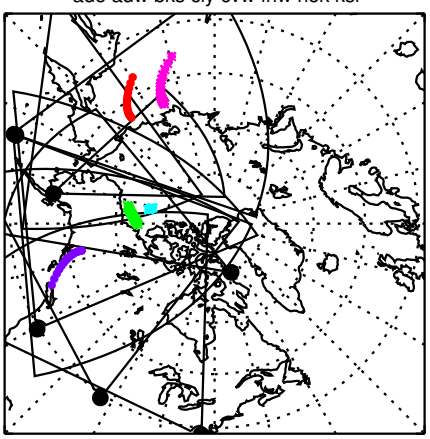


dce sps

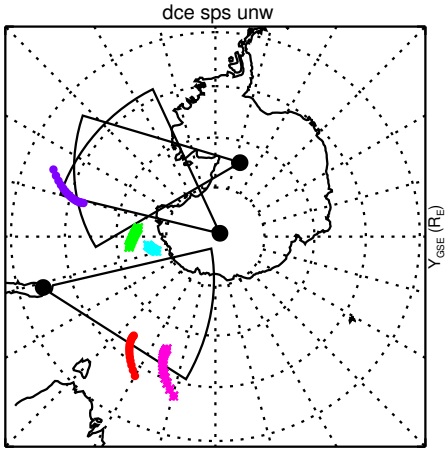


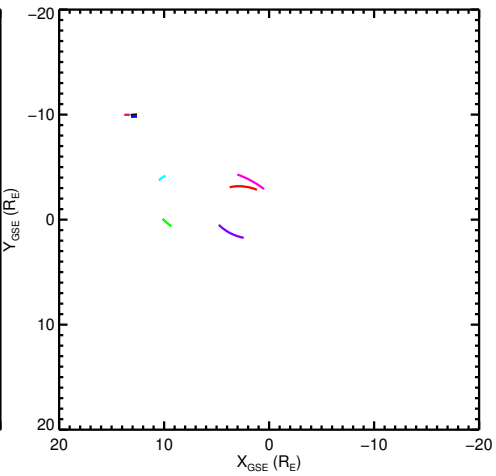



(f) 2225UT to 2345UT
ade adw bks cly cvw fhw hok ksr



dce sps unw

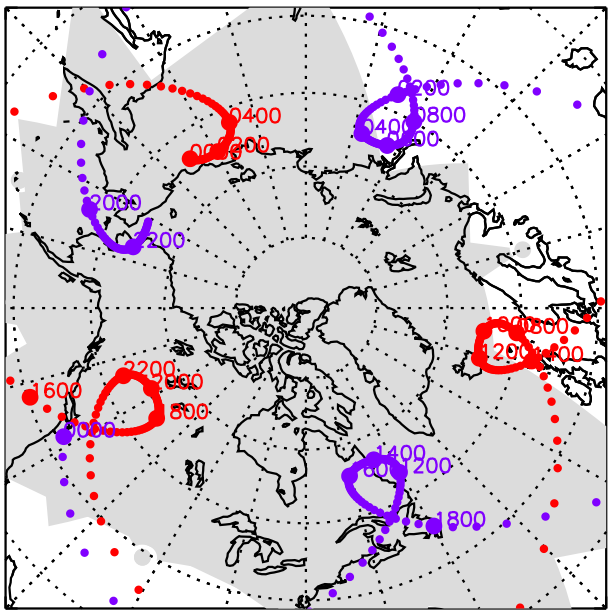


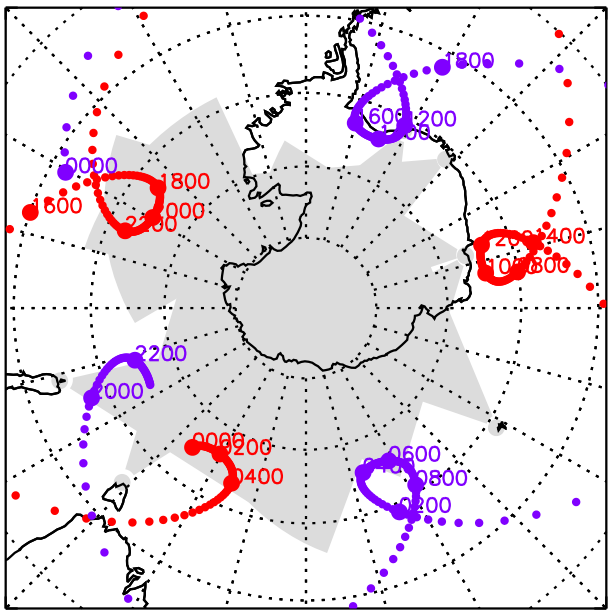


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

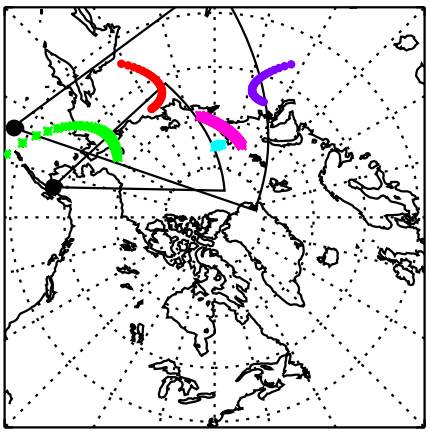
30–Mar–2014

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

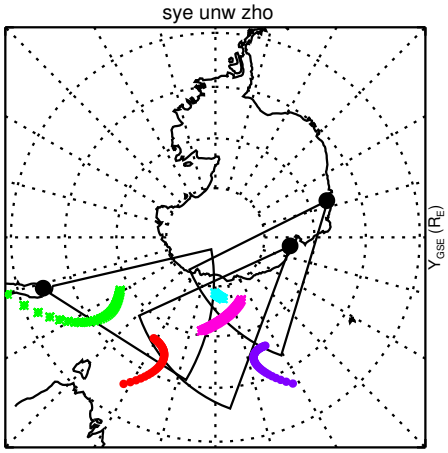


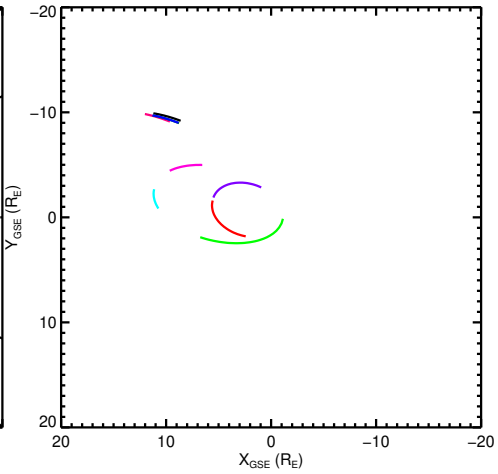


(a) 0150UT to 0515UT
adw ksr

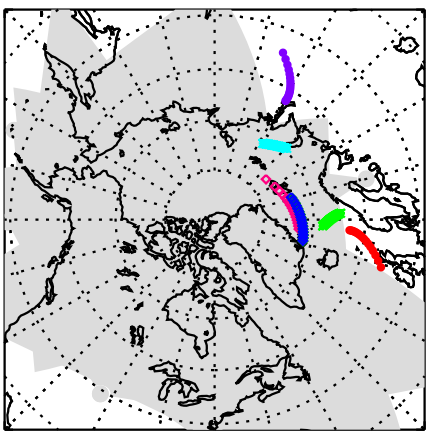


sye unw zho

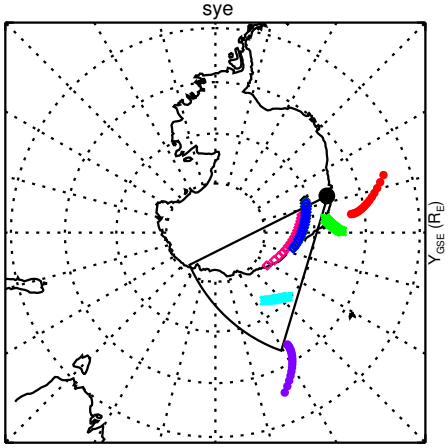


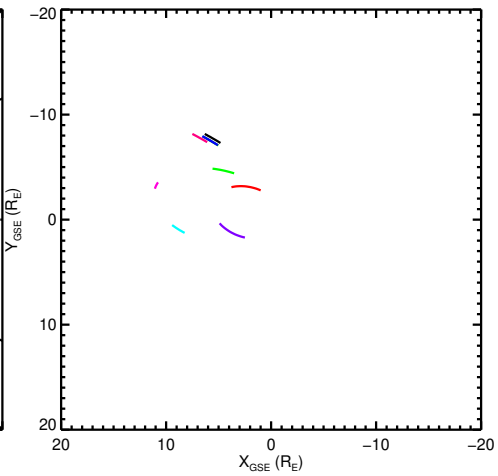



(b) 0720UT to 0845UT



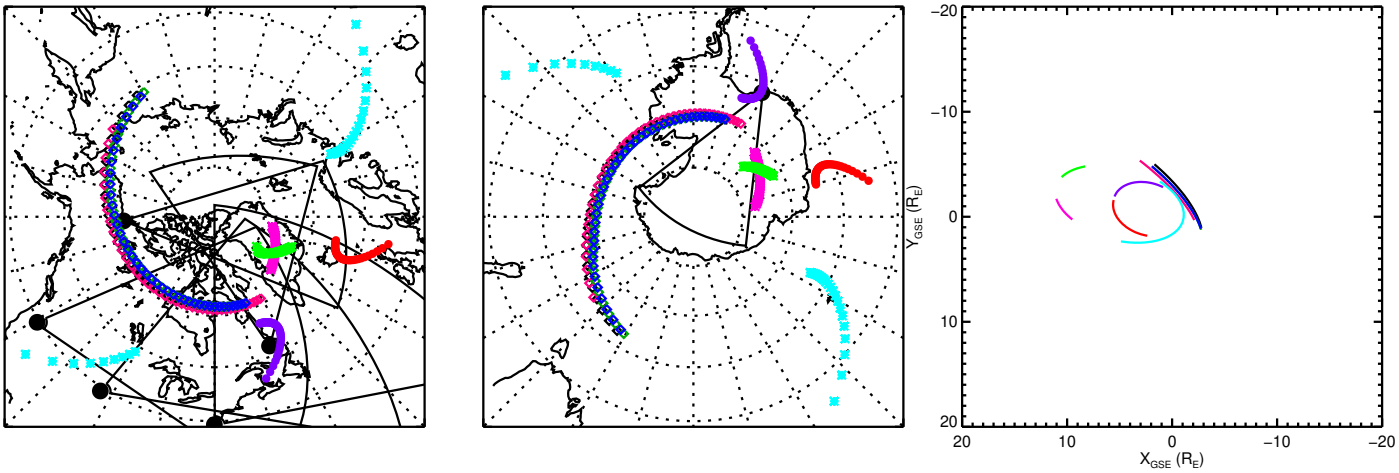
sye





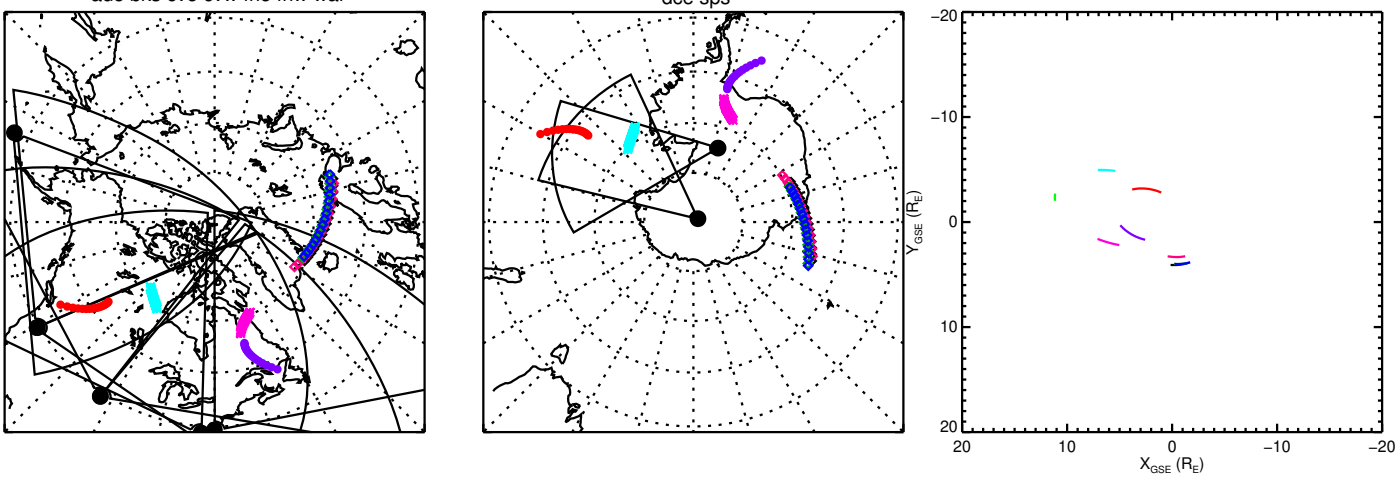
(c) 1050UT to 1415UT
cve fhe gbr inv wal

hal



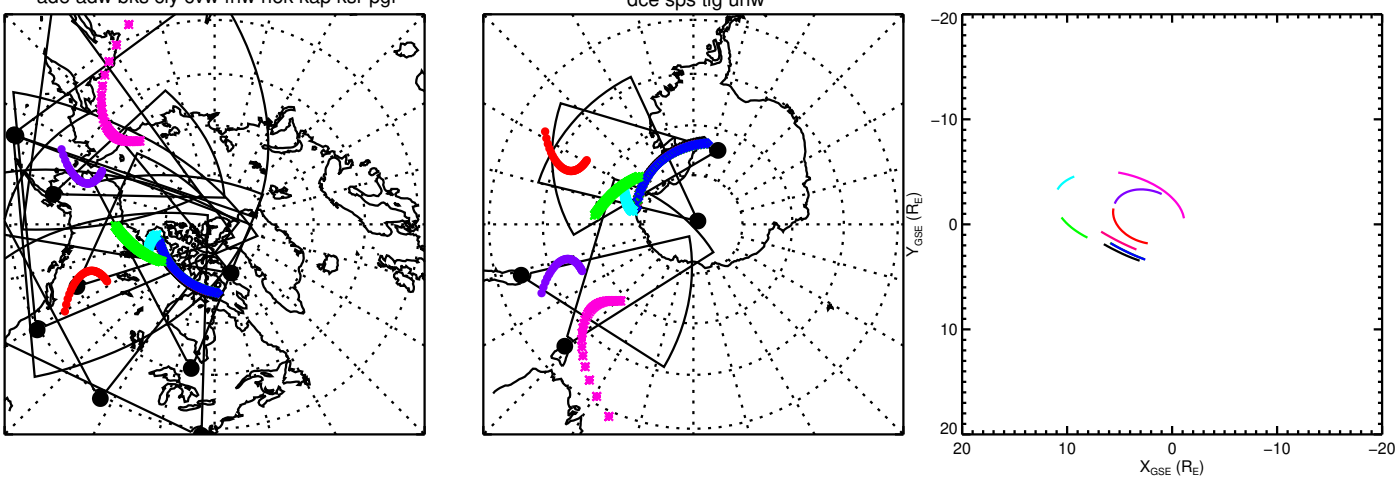

(d) 1620UT to 1745UT
ade bks cve cvw fhe fhw wal

dce sps




(e) 1955UT to 2315UT
ade adw bks cly cvw fhw hok kap ksr pgr

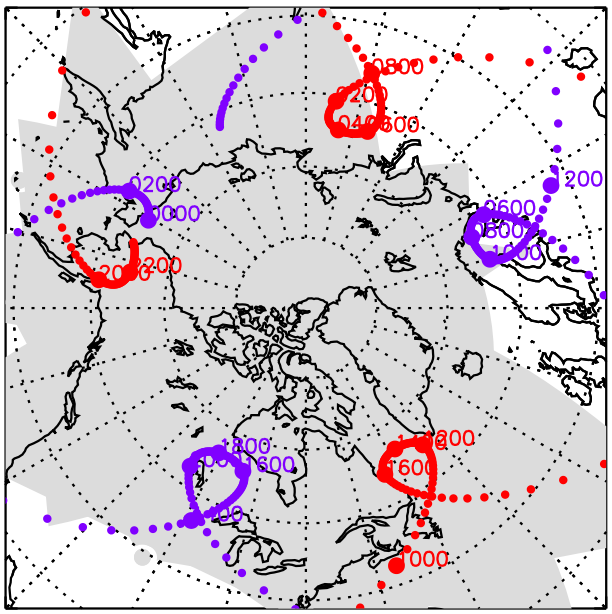
dce sps tig unw

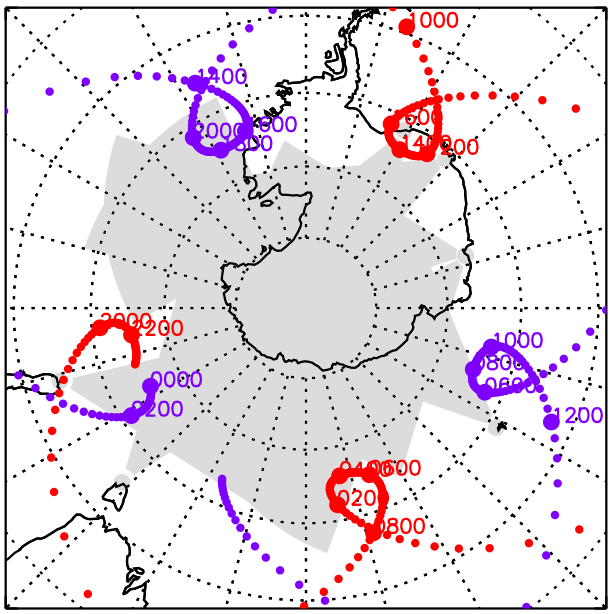


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

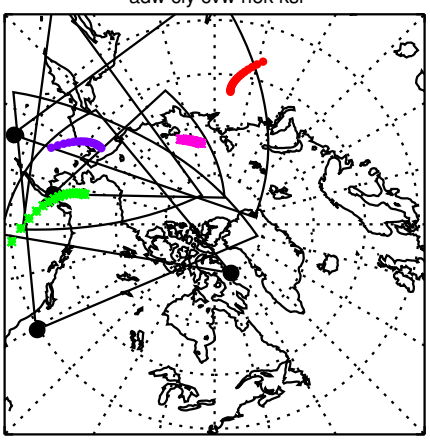
31−Mar−2014

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

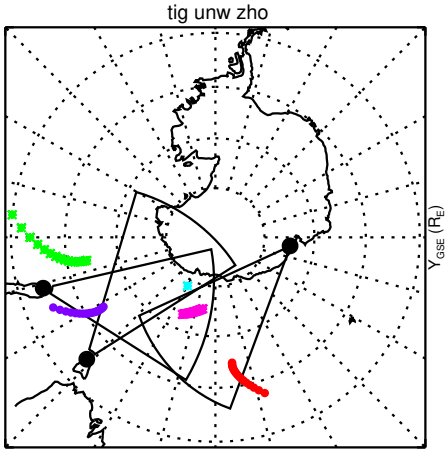


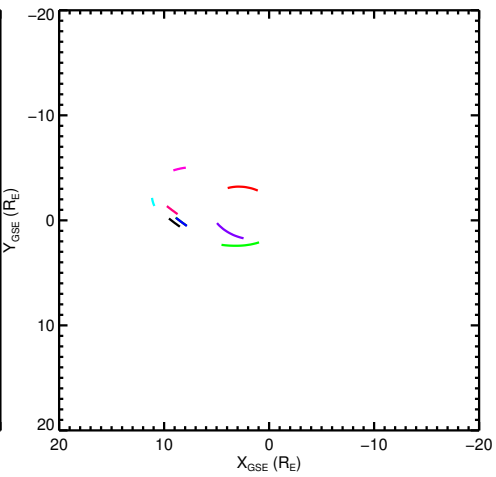


(a) 0120UT to 0250UT
adw cly cvw hok ksr

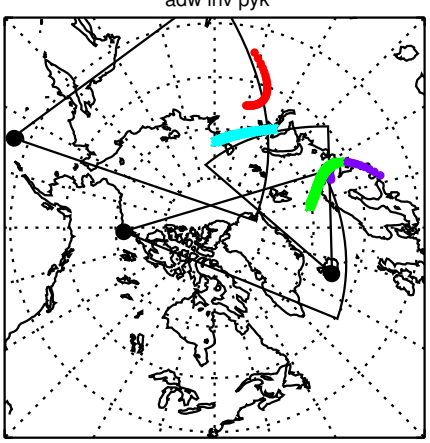


tig unw zho

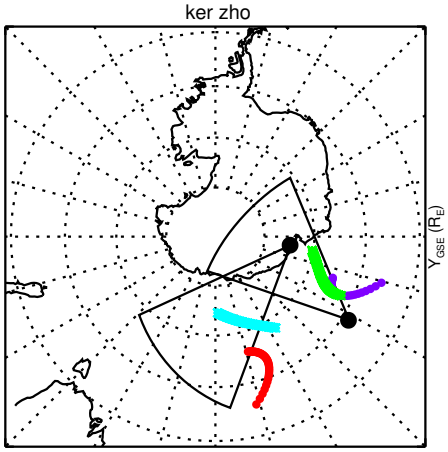


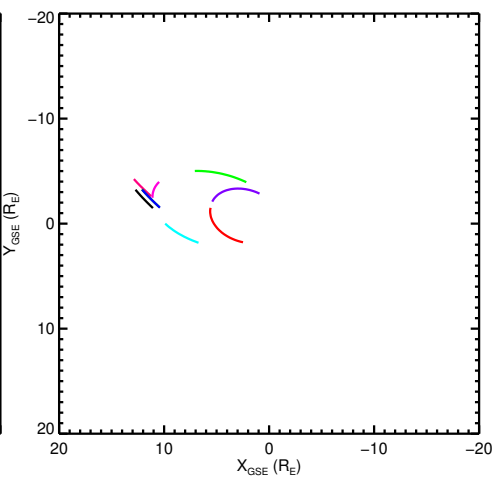



(b) 0455UT to 0810UT
adw inv pyk

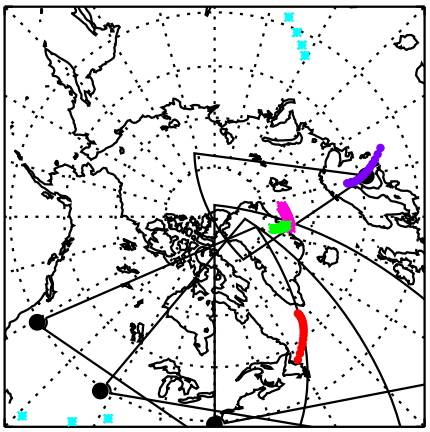


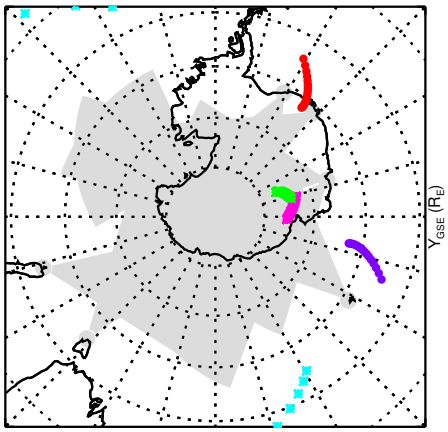
ker zho

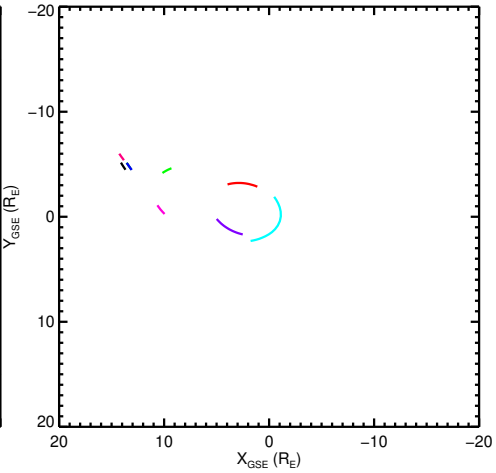




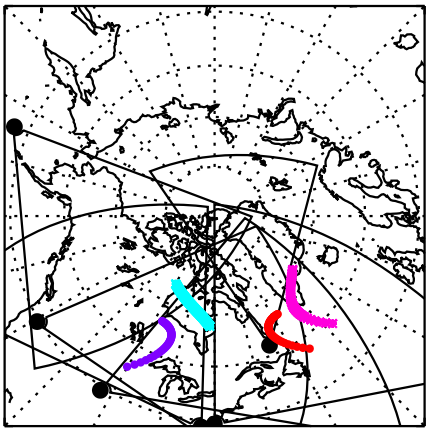
(c) 1020UT to 1150UT
cve fhe han wal








(d) 1355UT to 1710UT
ade bks cve fhe gbr wal



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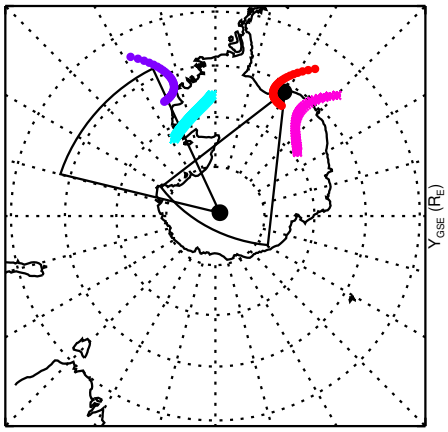
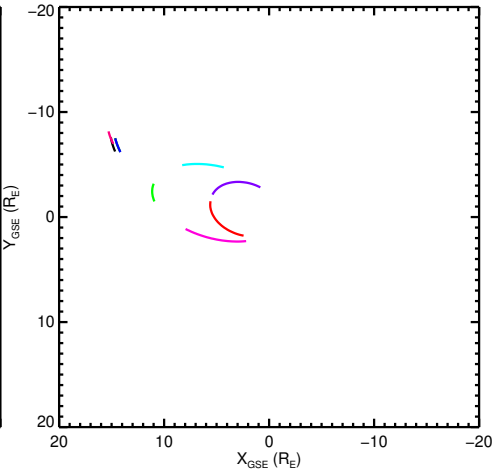
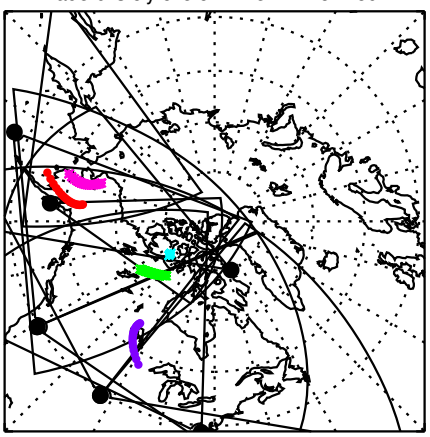
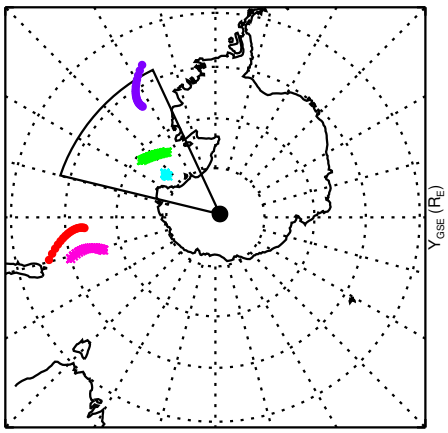


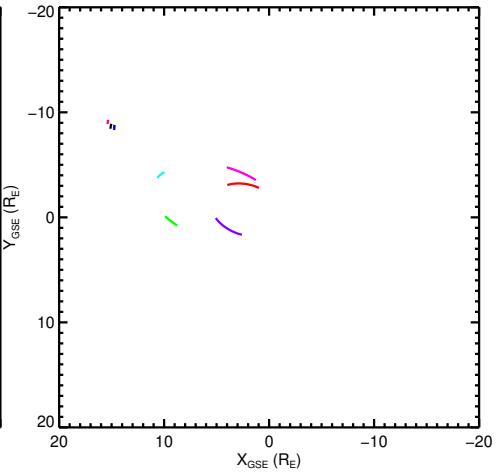



(e) 1915UT to 2050UT
ade bks cly cve cvw fhe fhw hok kod

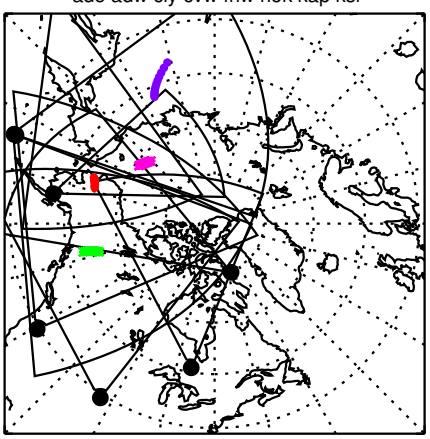
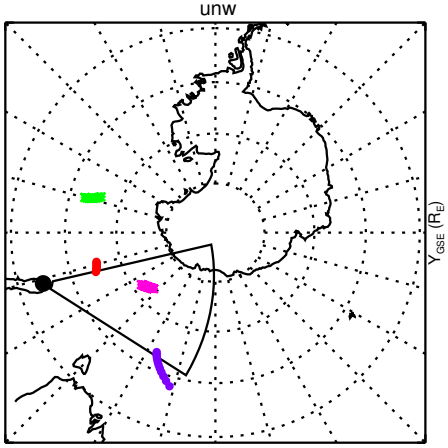
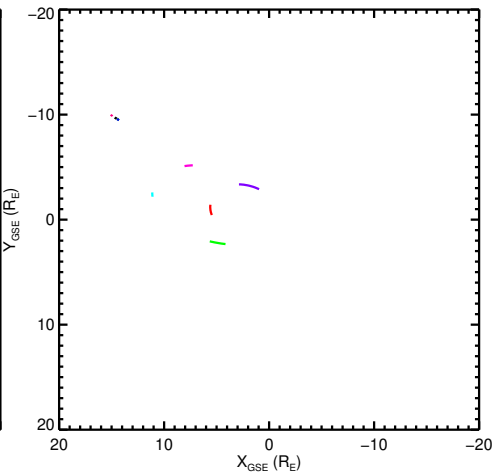


dce






(f) 2300UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw