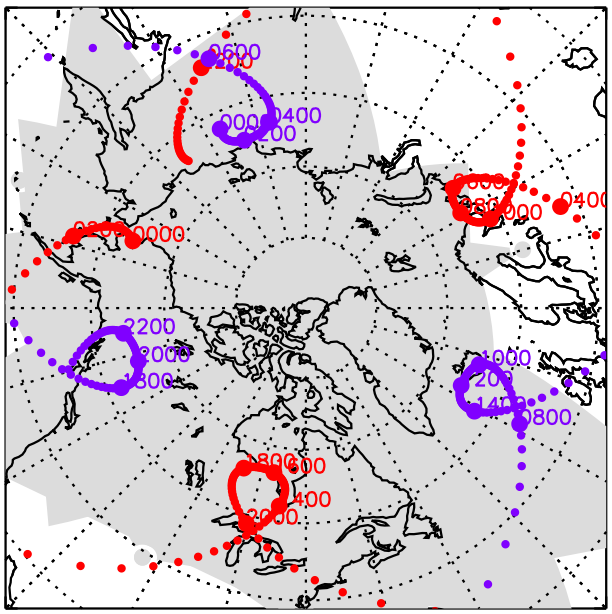
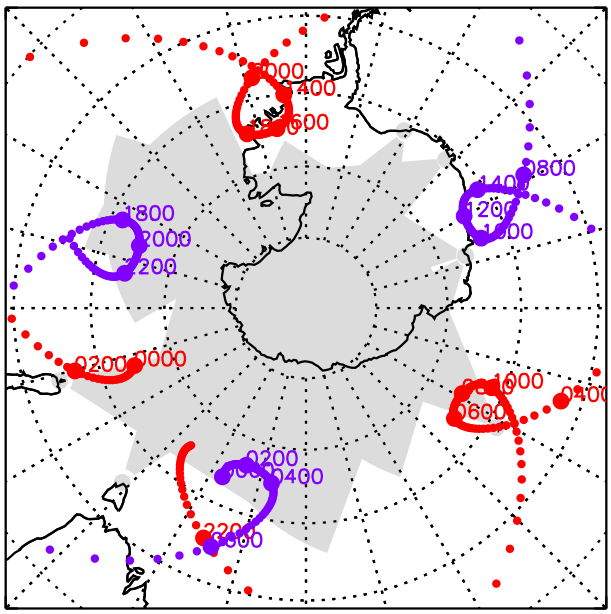
# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

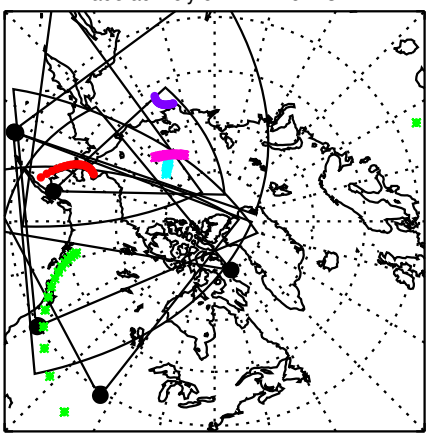
01−Apr−2014

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

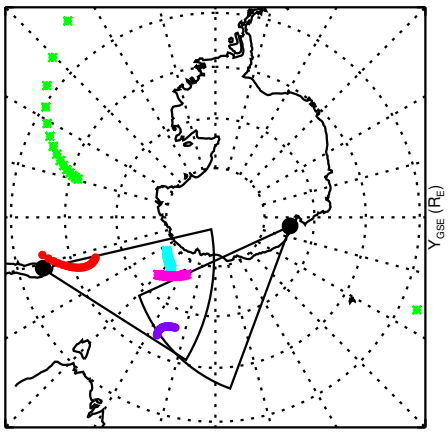


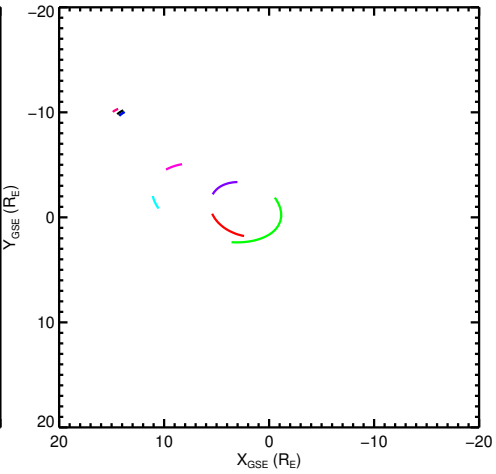


(a) 0000UT to 0210UT
ade adw cly cvw fhw hok ksr

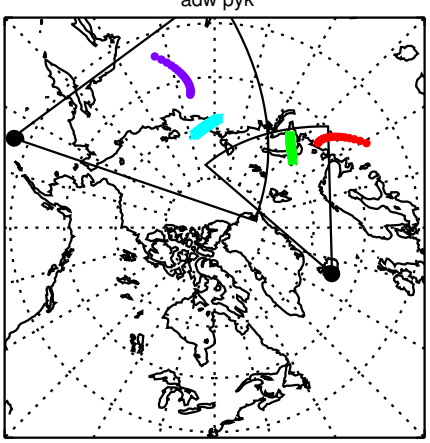


unw zho

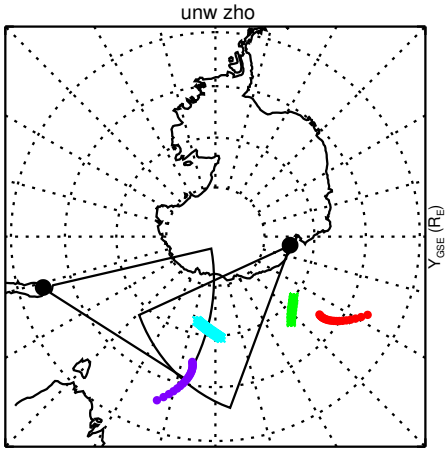


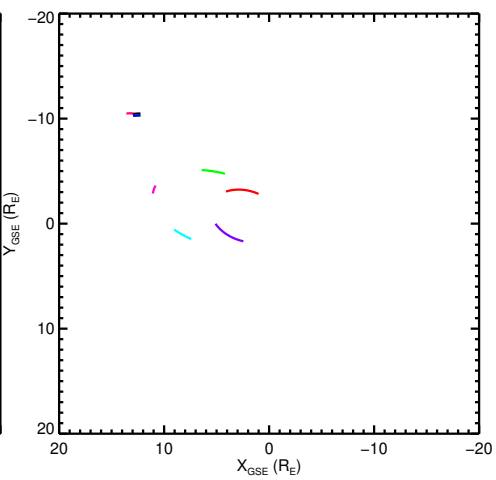



(b) 0415UT to 0555UT
adw pyk

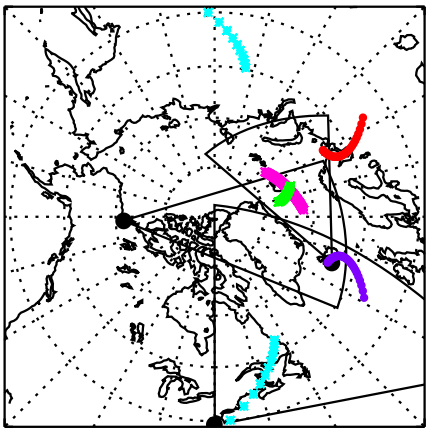


unw zho





(c) 0800UT to 1105UT
inv pyk wal



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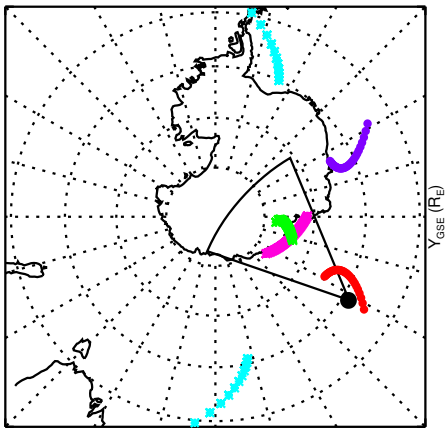
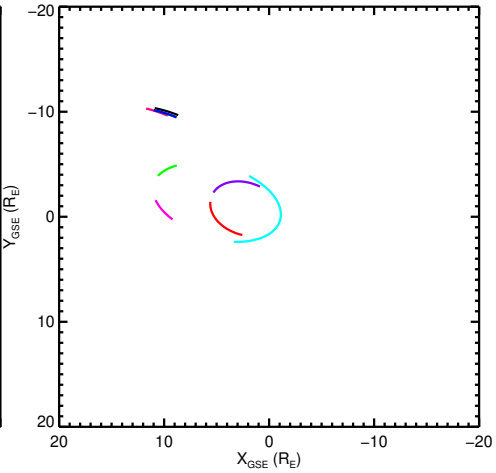
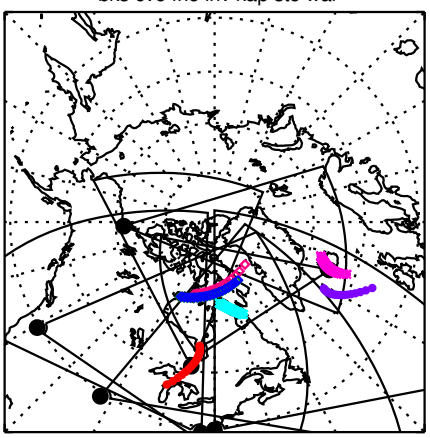
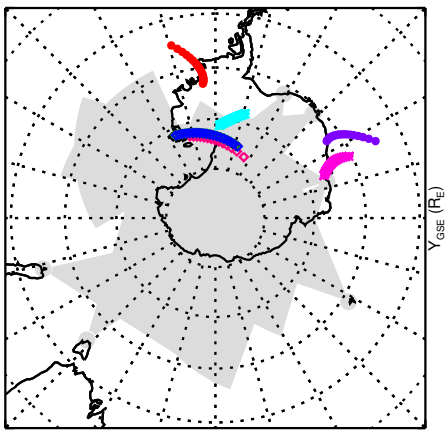
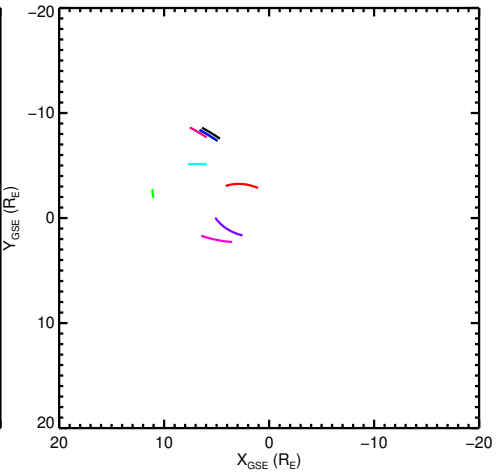




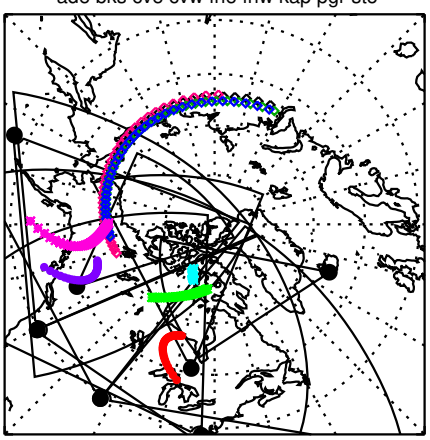

(d) 1315UT to 1455UT
bks cve fhe inv kap sto wal



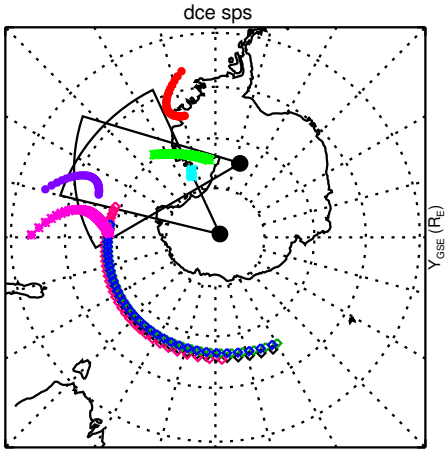


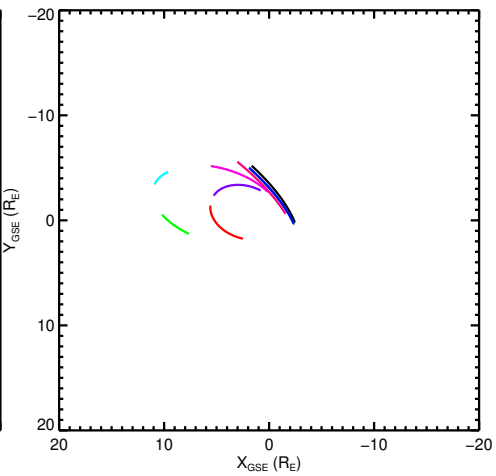



(e) 1700UT to 2005UT
ade bks cve cvw fhe fhw kap pgr sto

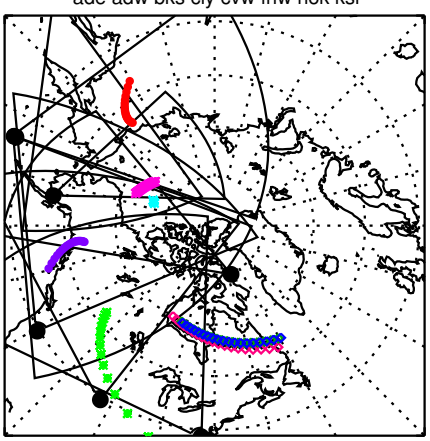


dce sps

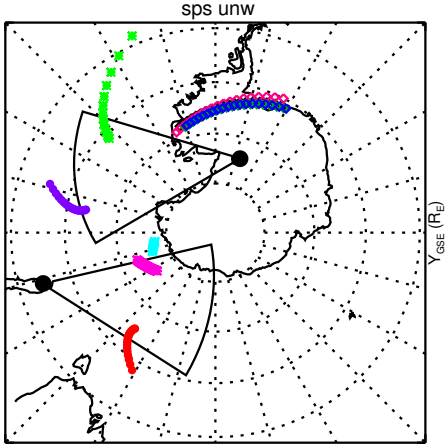


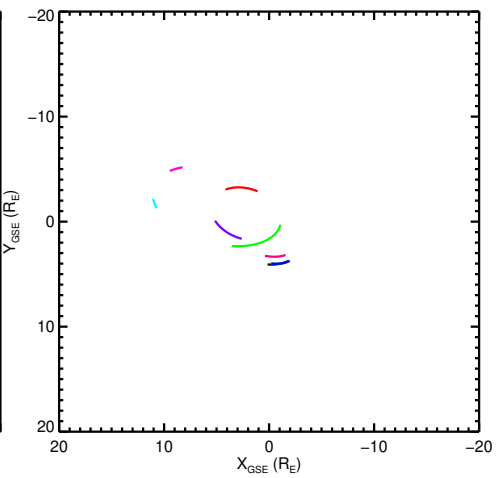



(f) 2215UT to 2355UT
ade adw bks cly cvw fhw hok ksr



sps unw

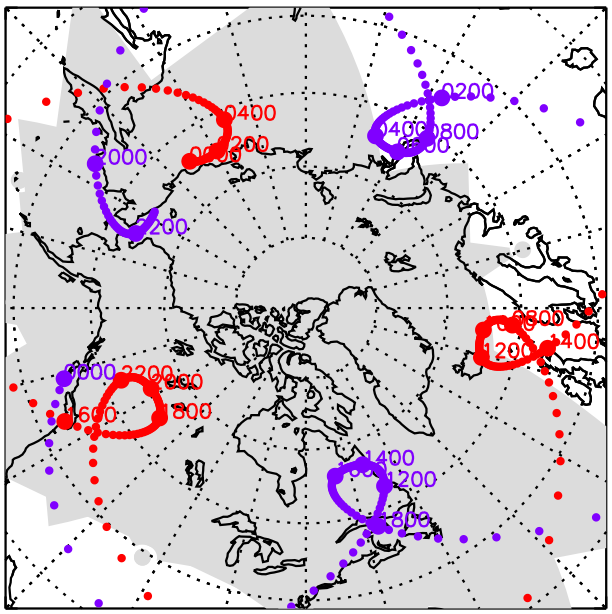


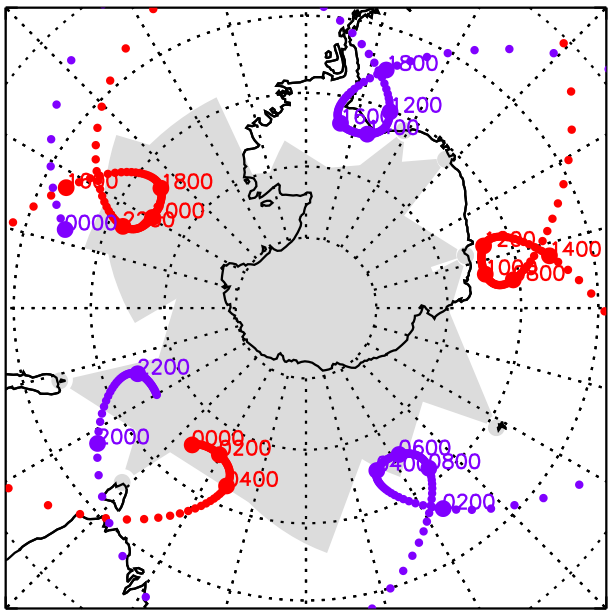


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

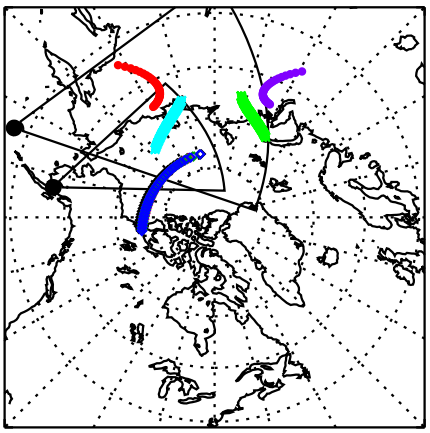
02–Apr–2014

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

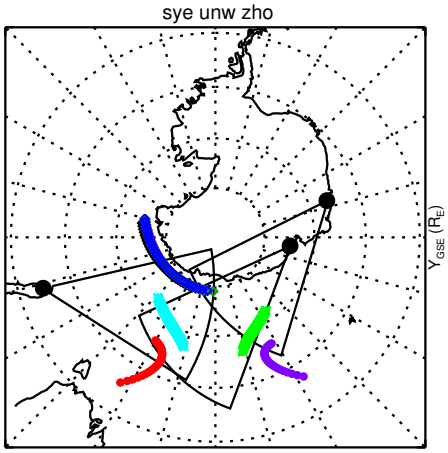


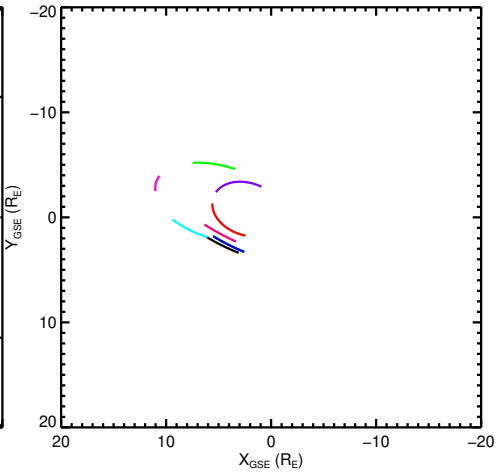


(a) 0205UT to 0505UT
adw ksr

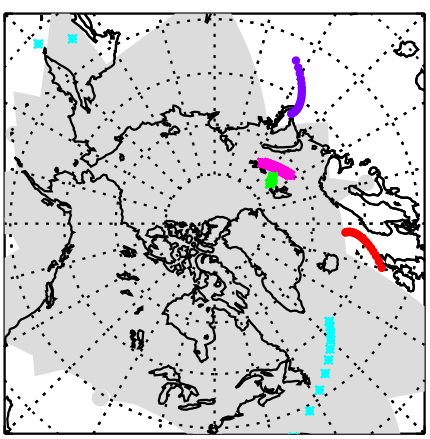


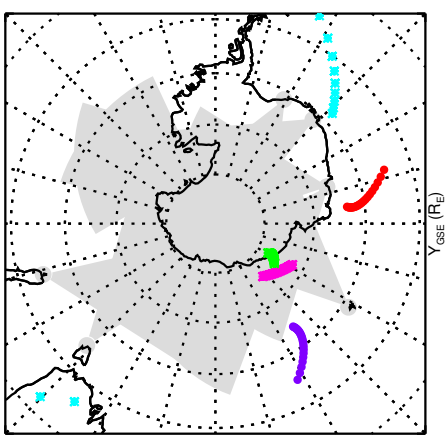
sye unw zho

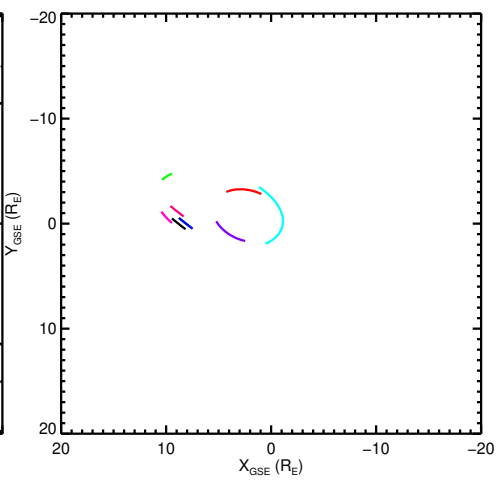




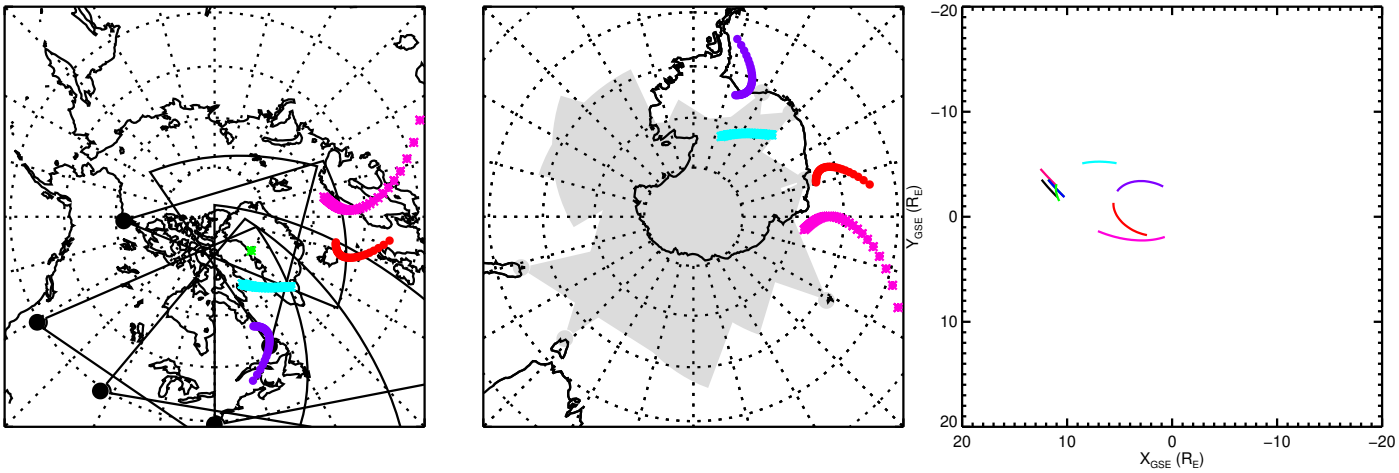

(b) 0710UT to 0900UT





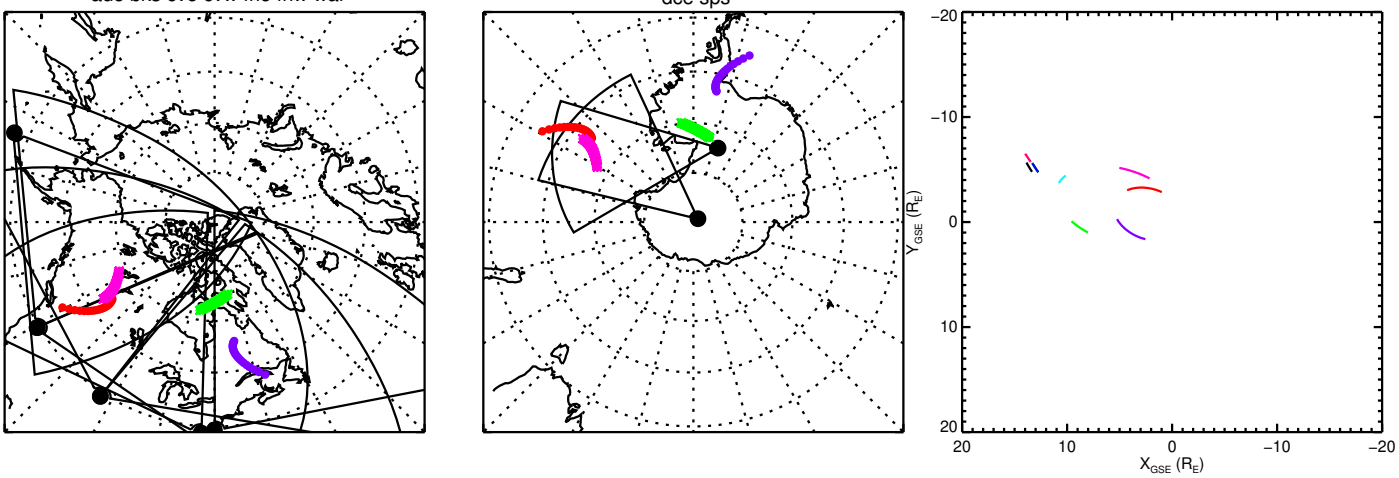


(c) 1105UT to 1405UT
cve fhe gbr inv wal



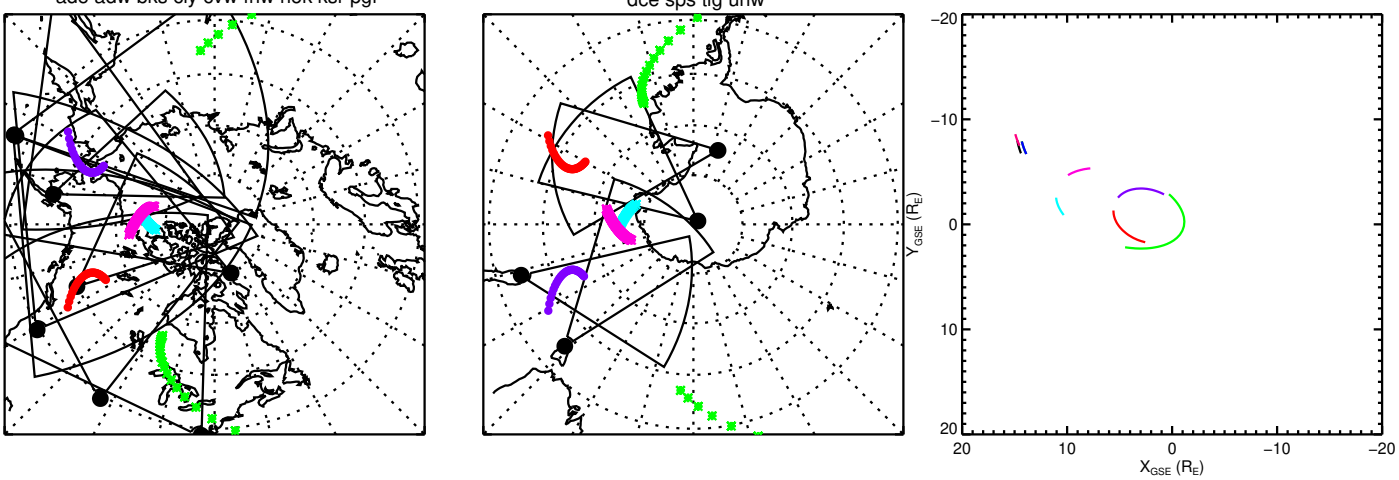

(d) 1610UT to 1800UT
ade bks cve cvw fhe fhw wal

dce sps




(e) 2005UT to 2300UT
ade adw bks cly cvw fhw hok ksr pgr

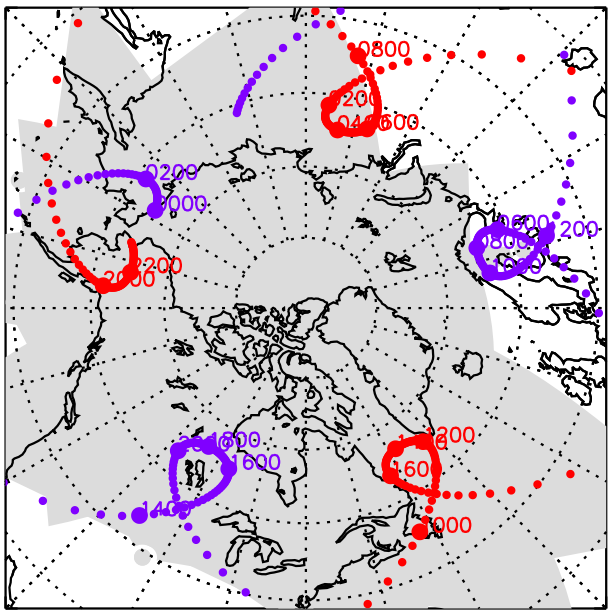
dce sps tig unw

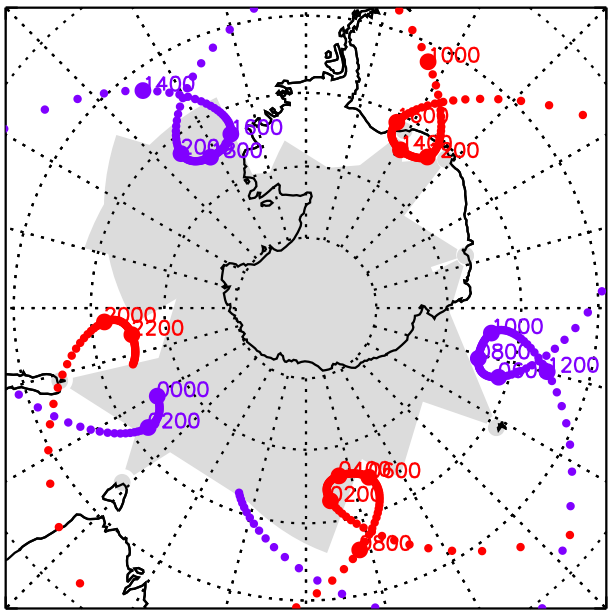


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

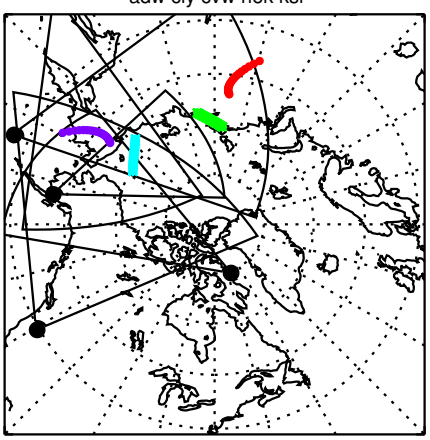
03–Apr–2014

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

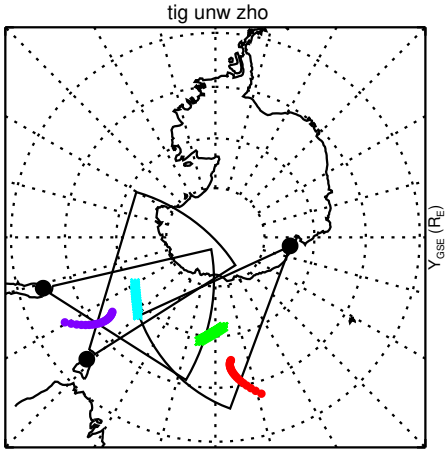


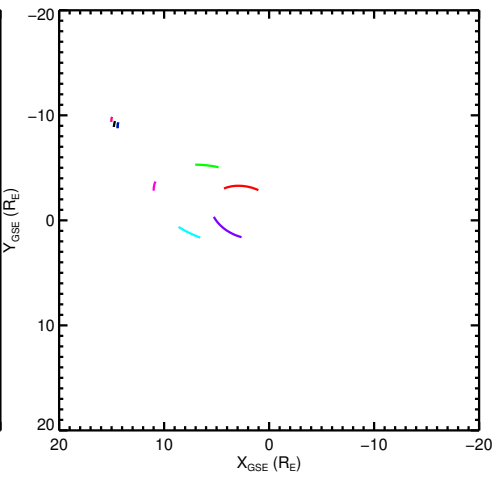


(a) 0110UT to 0300UT
adw cly cvw hok ksr

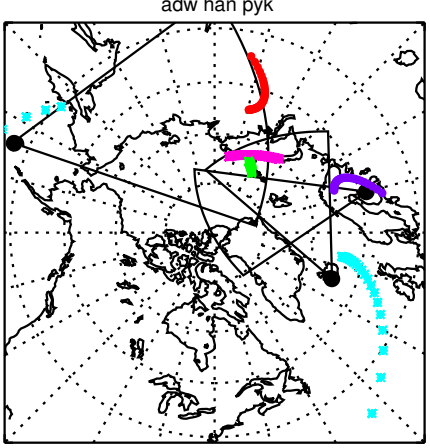


tig unw zho

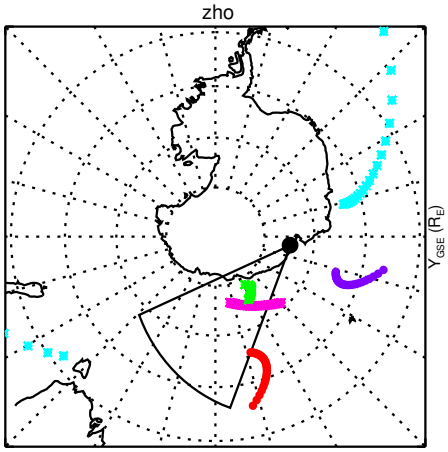


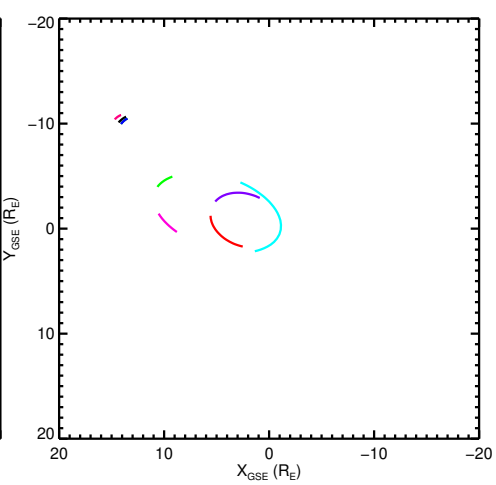



(b) 0510UT to 0800UT
adw han pyk

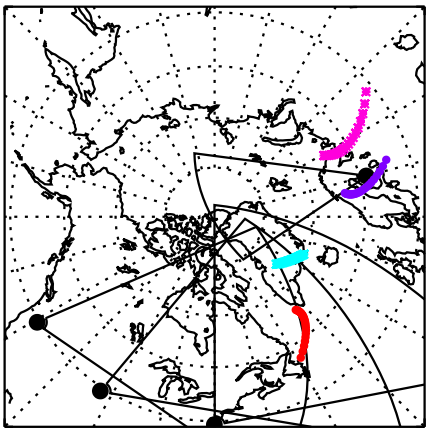


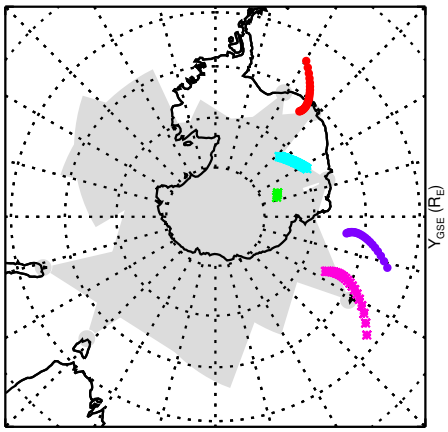
zho

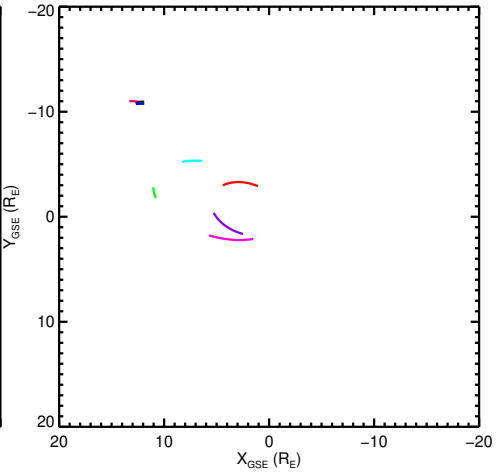




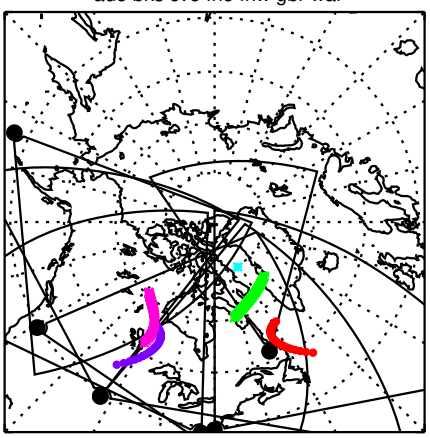
(c) 1010UT to 1205UT
cve fhe han wal



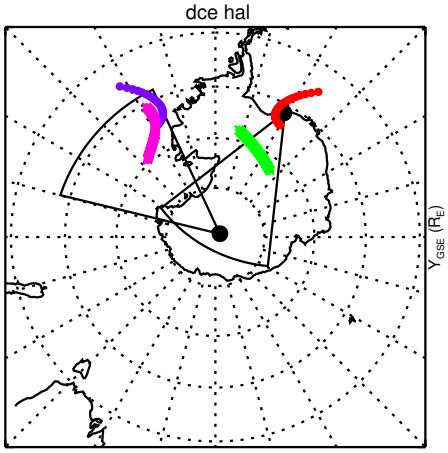


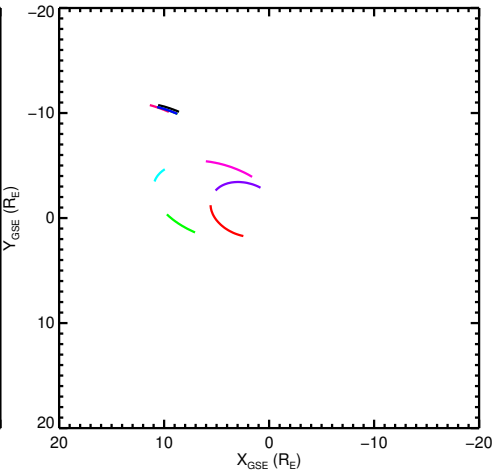



(d) 1410UT to 1700UT
ade bks cve fhe fhw gbr wal

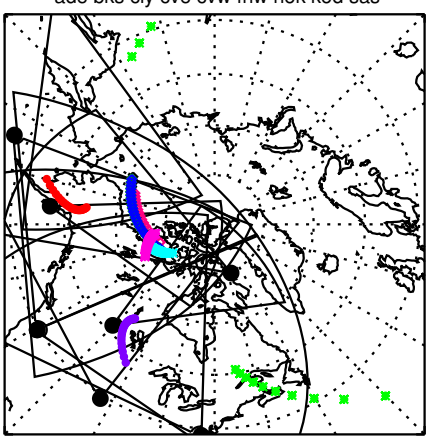


dce hal

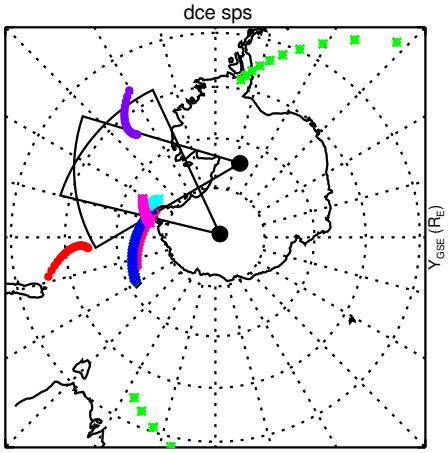


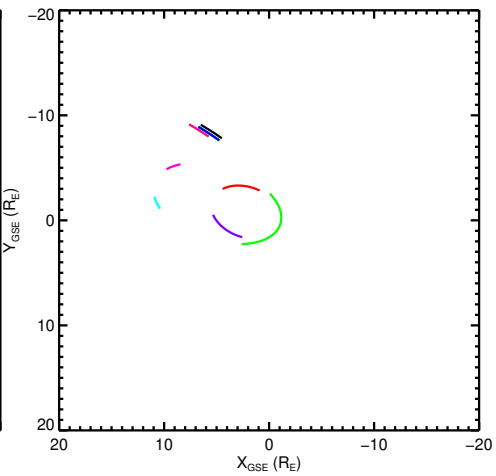



(e) 1905UT to 2105UT
ade bks cly cve cvw fhw hok kod sas

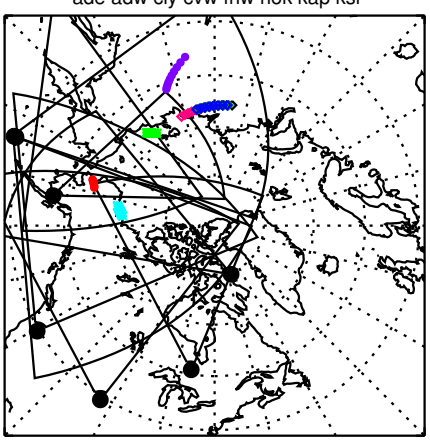


dce sps

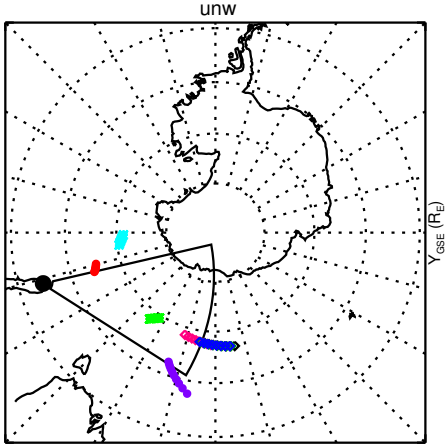


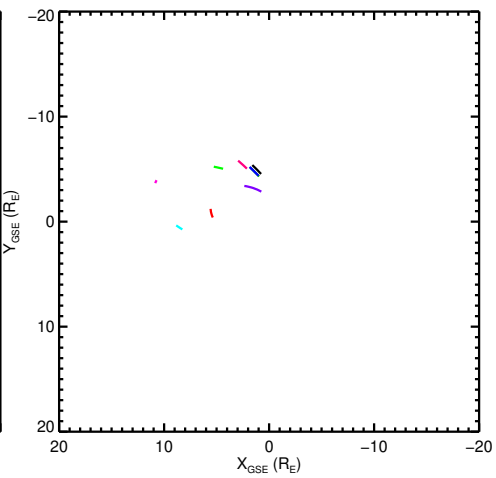



(f) 2310UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw

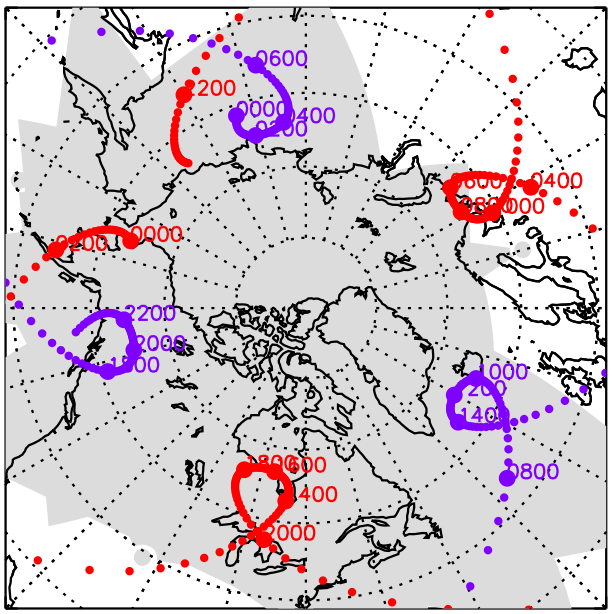


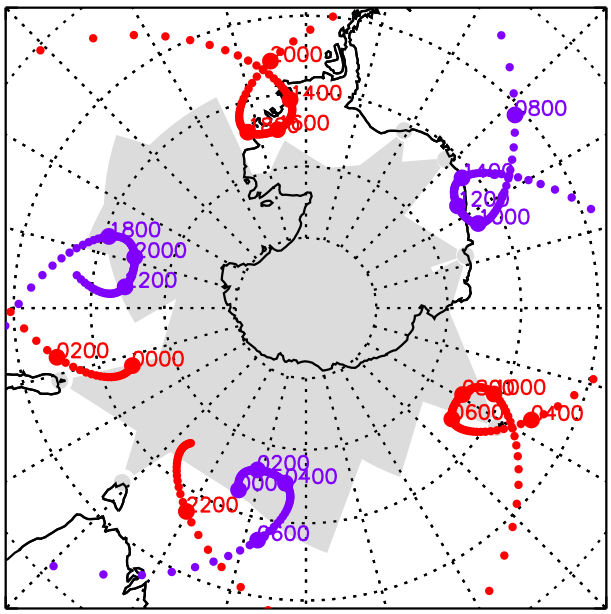


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

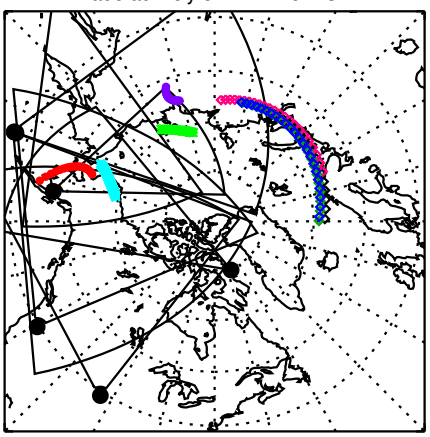
04–Apr–2014

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

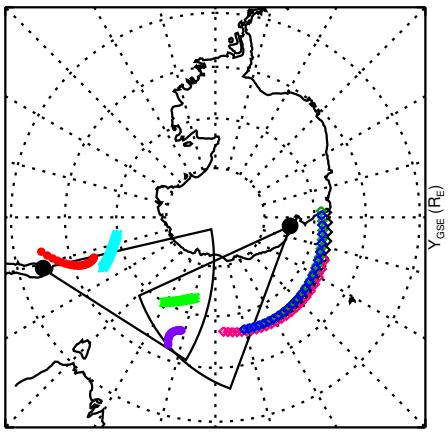


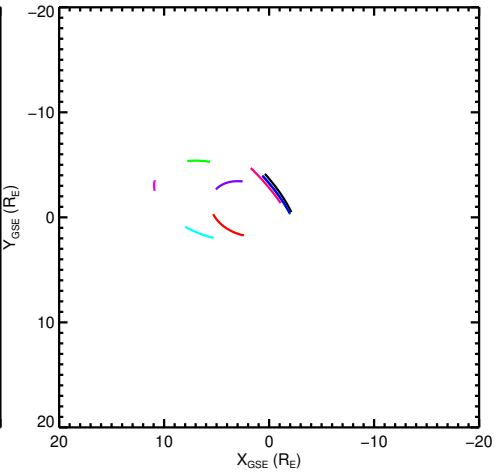


(a) 0000UT to 0200UT
ade adw cly cvw fhw hok ksr

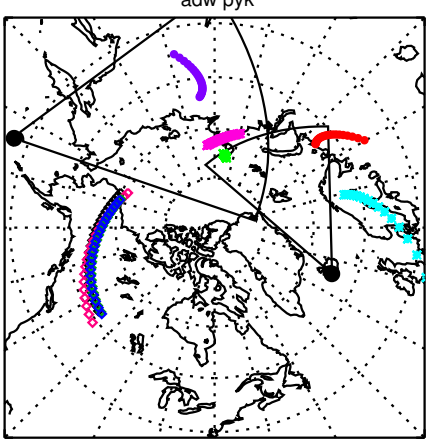


unw zho

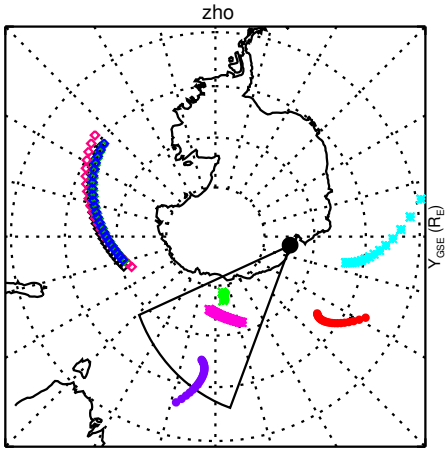


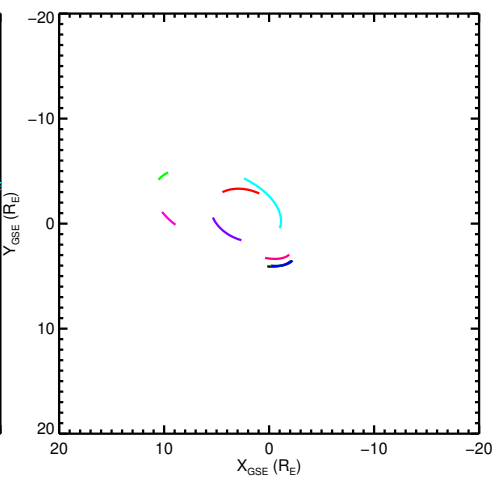



(b) 0405UT to 0605UT
adw pyk

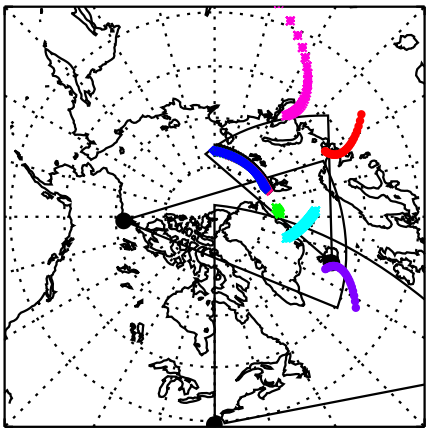


zho

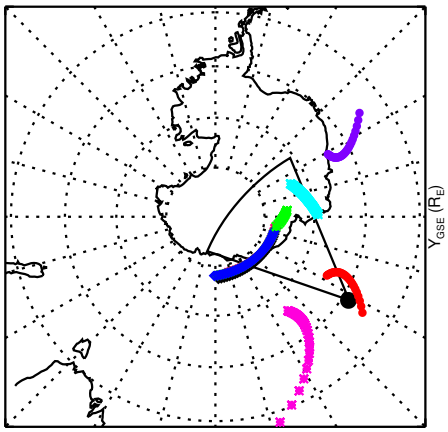


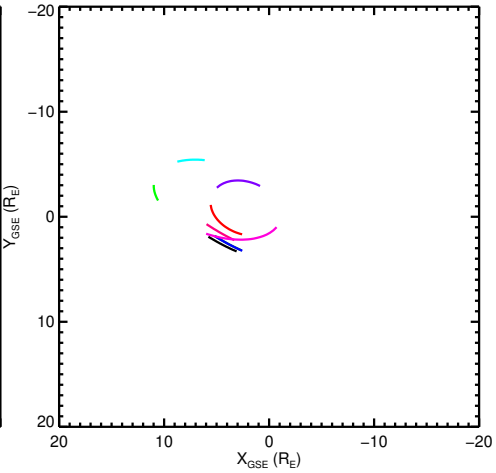


(c) 0815UT to 1055UT
inv pyk wal

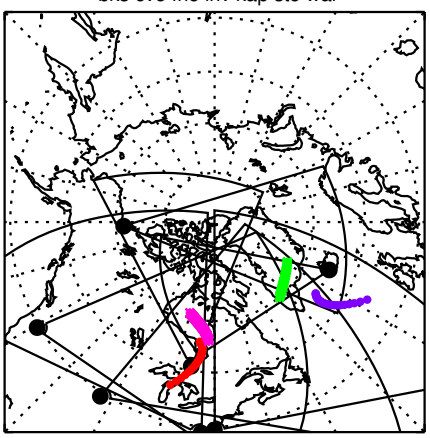


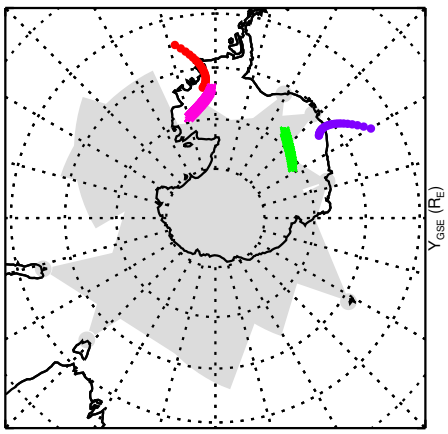
ker

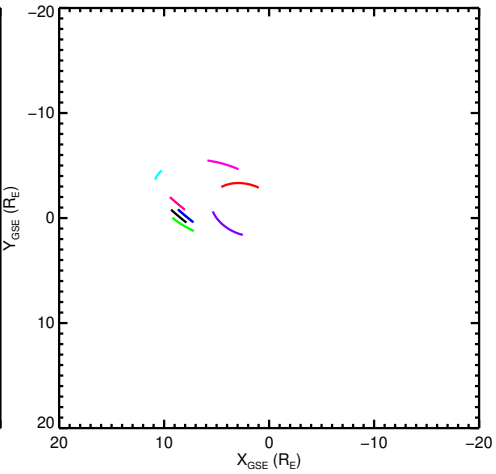




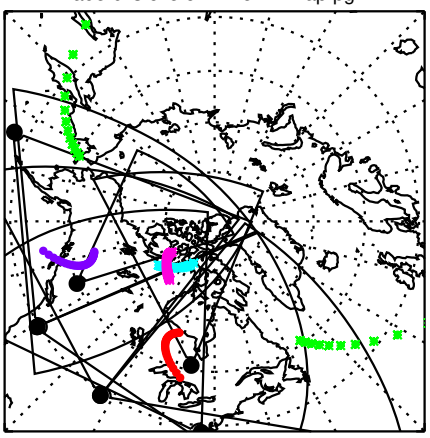

(d) 1305UT to 1510UT
bks cve fhe inv kap sto wal



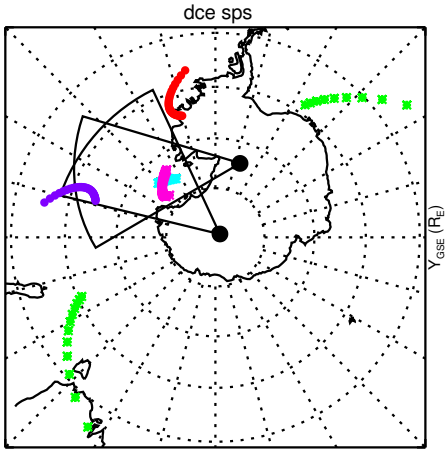


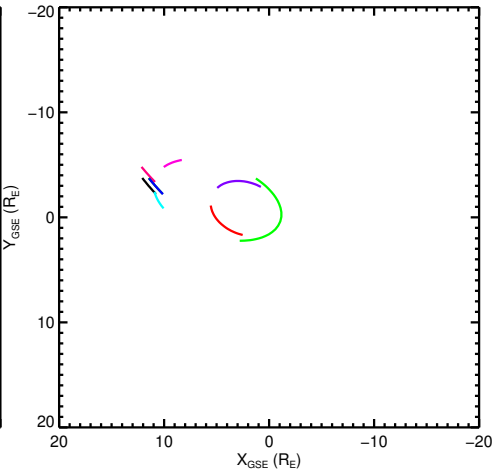



(e) 1715UT to 1955UT
ade bks cve cvw fhe fhw kap pgr

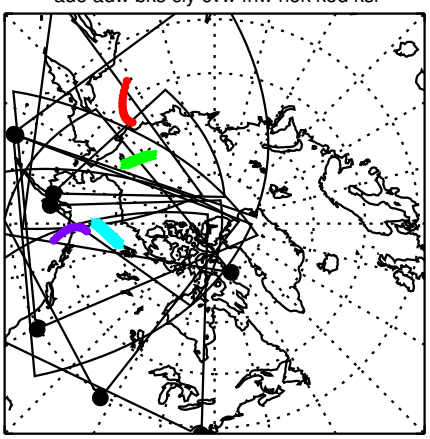


dce sps

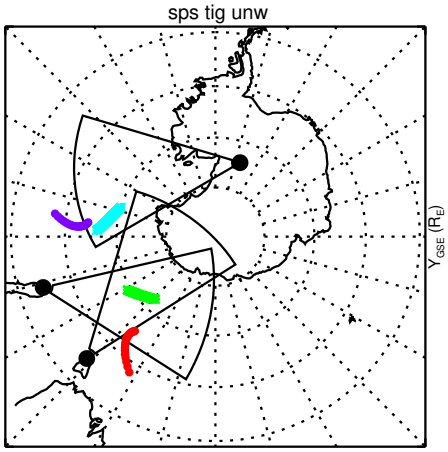


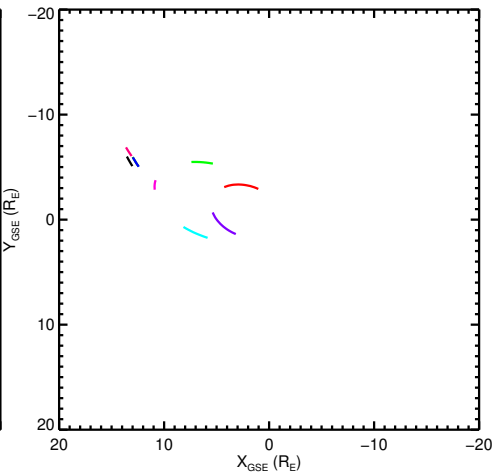



(f) 2205UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



sps tig unw

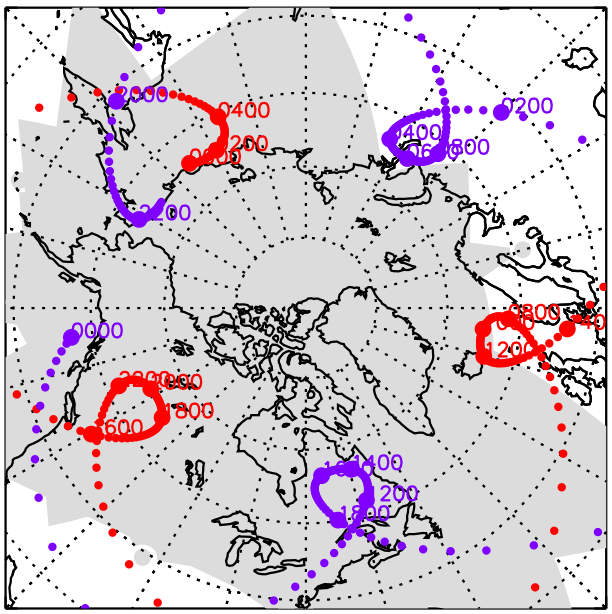


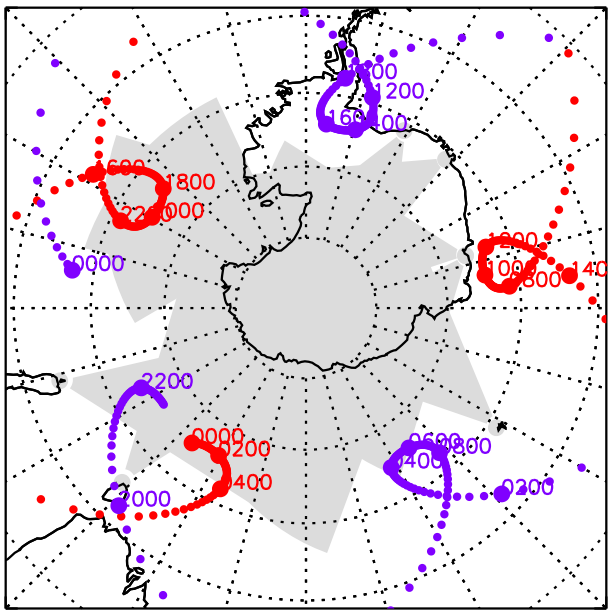


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

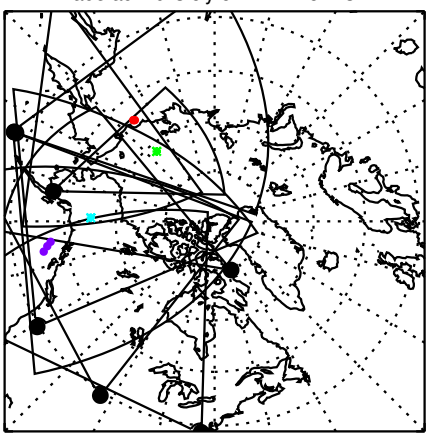
05–Apr–2014

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

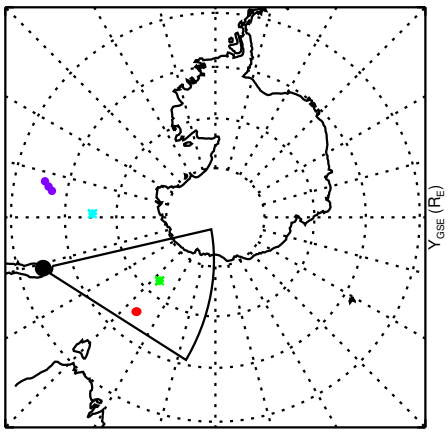


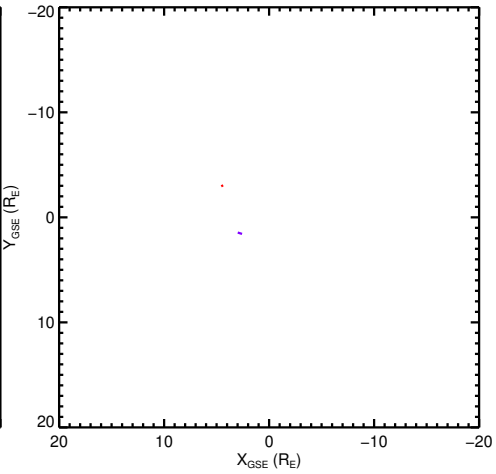


(a) 0000UT to 0010UT
ade adw bks cly cvw fhw hok ksr

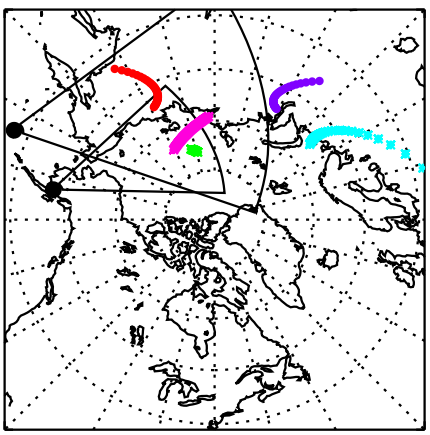


unw

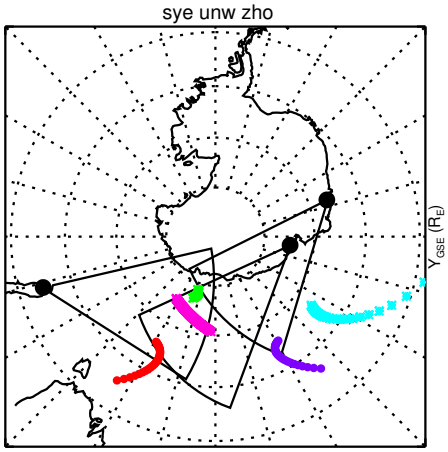


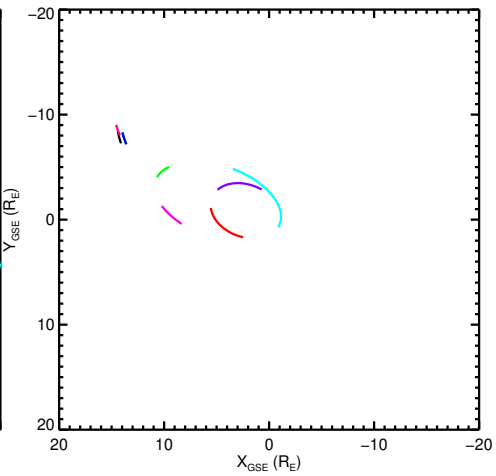



(b) 0215UT to 0455UT
adw ksr

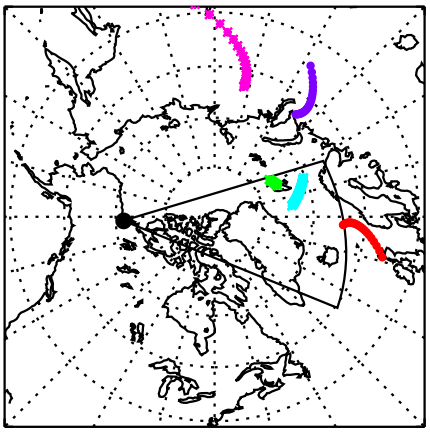


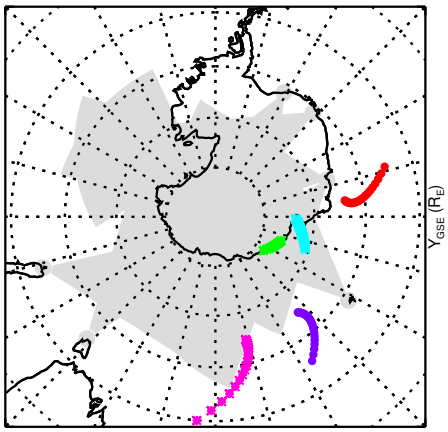
sye unw zho

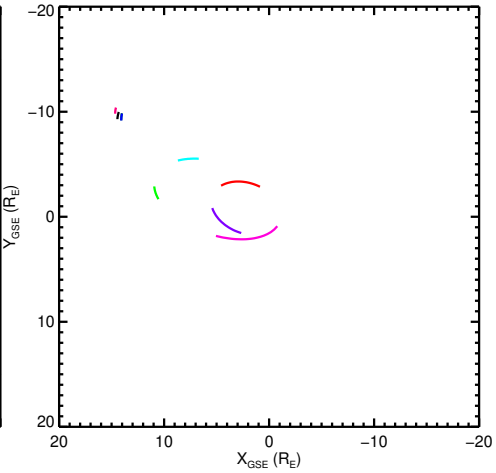




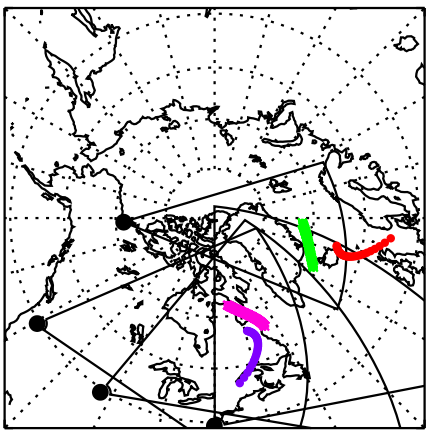
(c) 0700UT to 0910UT
inv

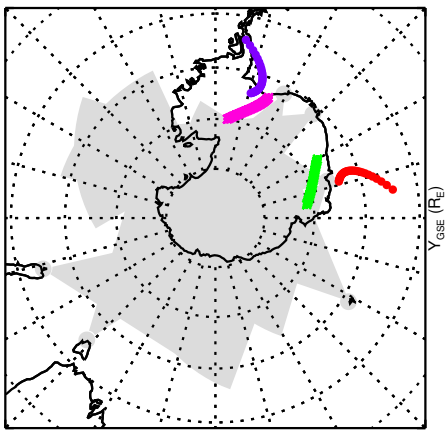


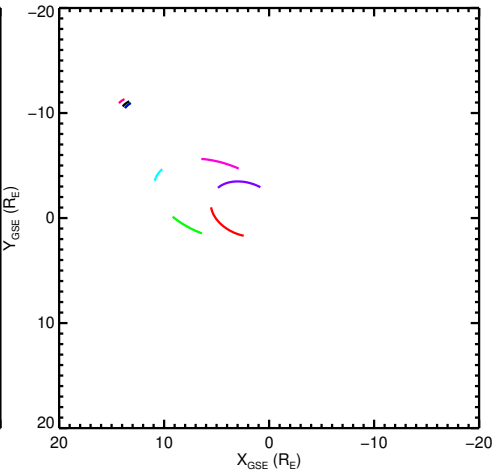




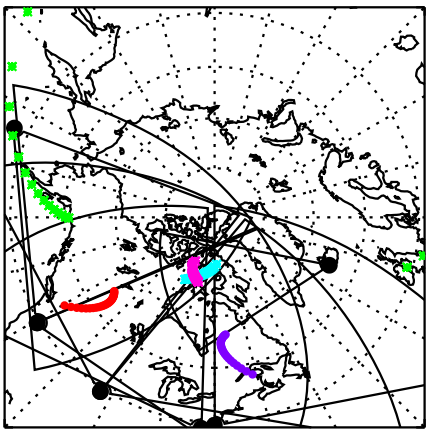

(d) 1120UT to 1355UT
cve fhe inv wal



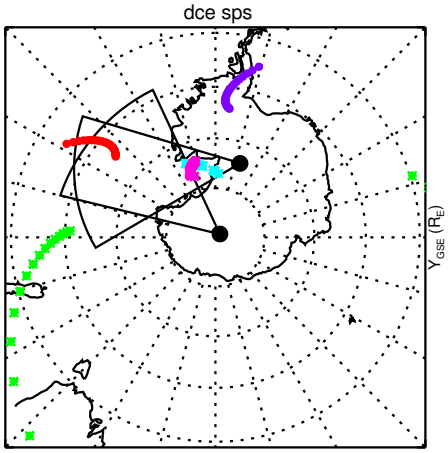


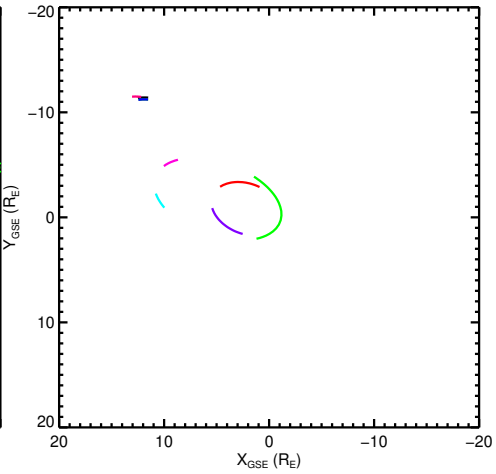



(e) 1600UT to 1815UT
ade bks cve cvw fhe fhw sto wal

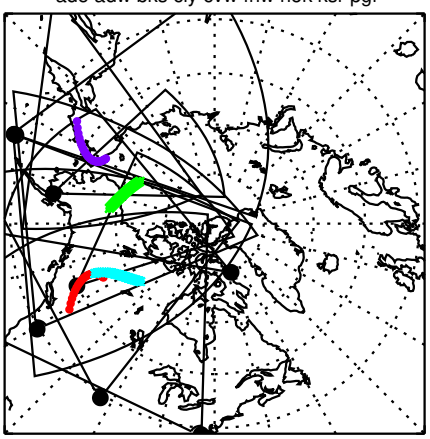


dce sps

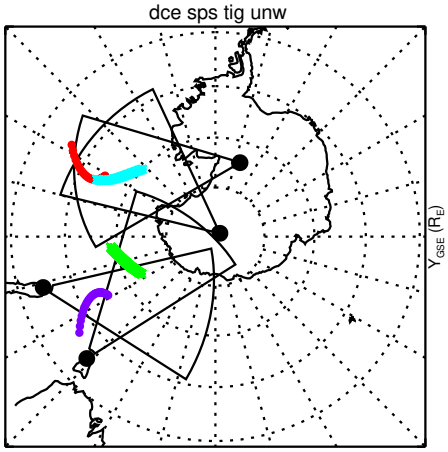


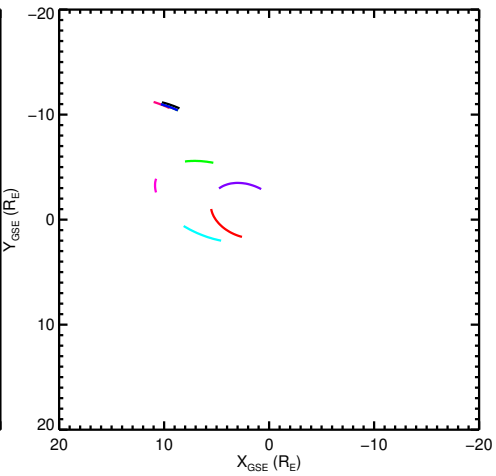



(f) 2020UT to 2250UT
ade adw bks cly cvw fhw hok ksr pgr



dce sps tig unw

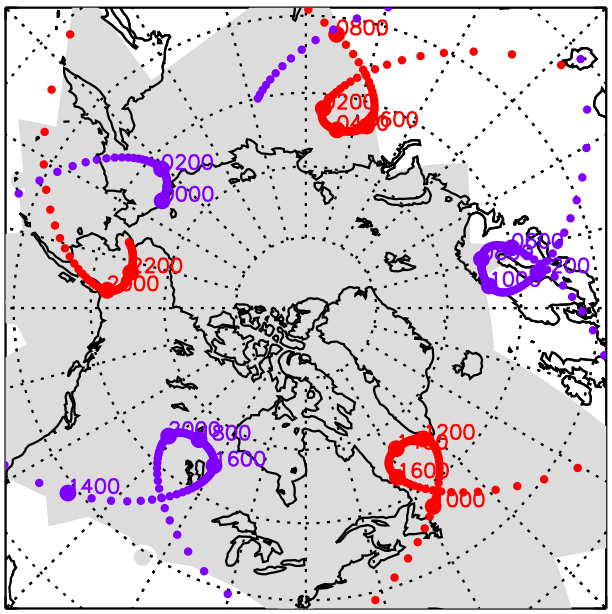


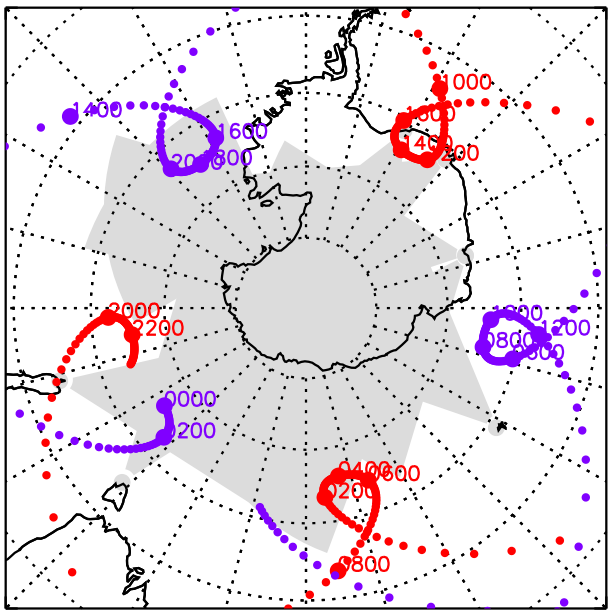


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

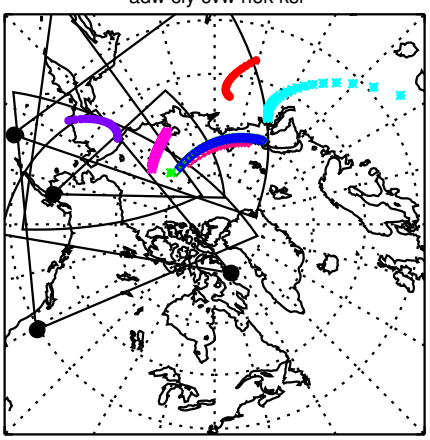
06–Apr–2014

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

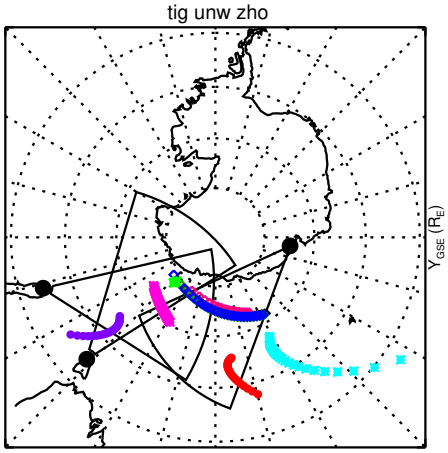


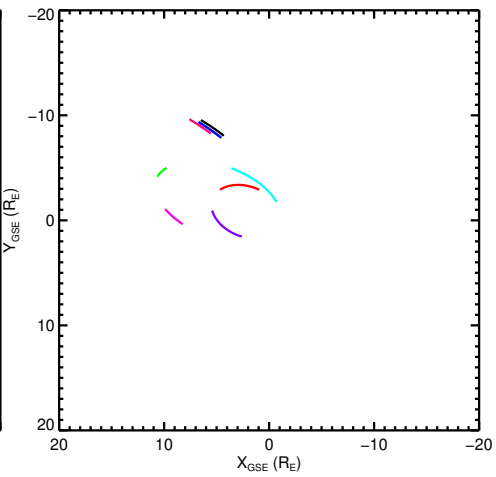


(a) 0100UT to 0315UT
adw cly cvw hok ksr

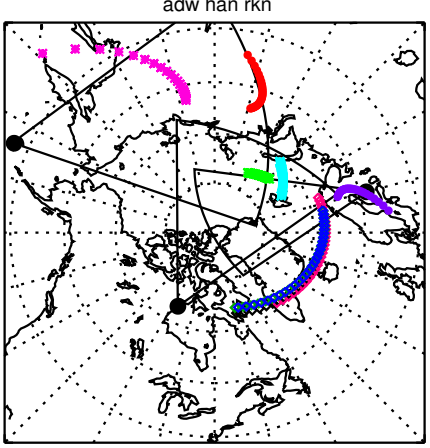


tig unw zho

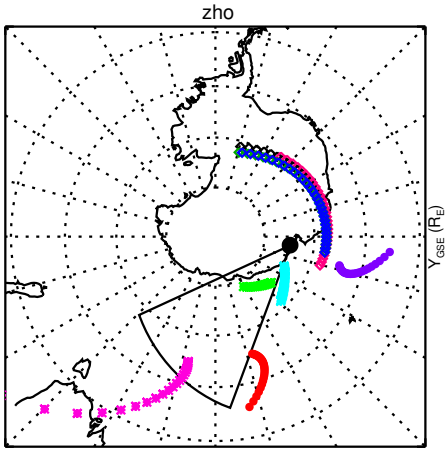


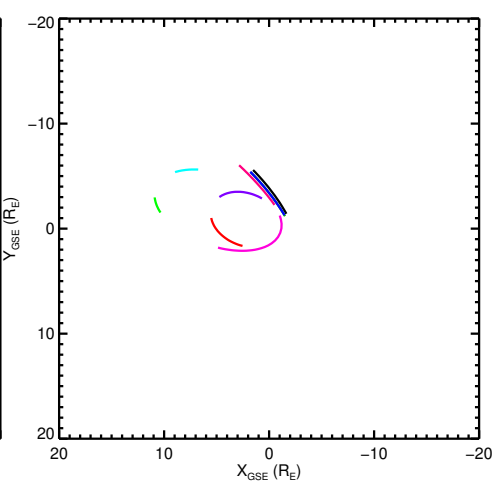



(b) 0520UT to 0750UT
adw han rkn

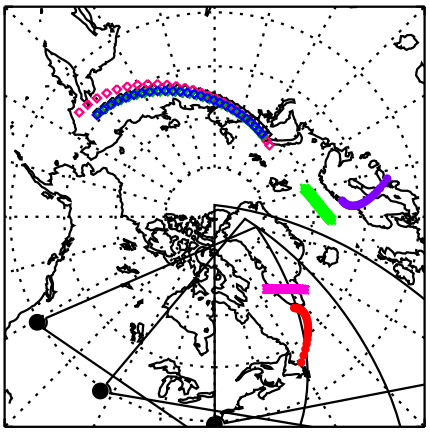


zho

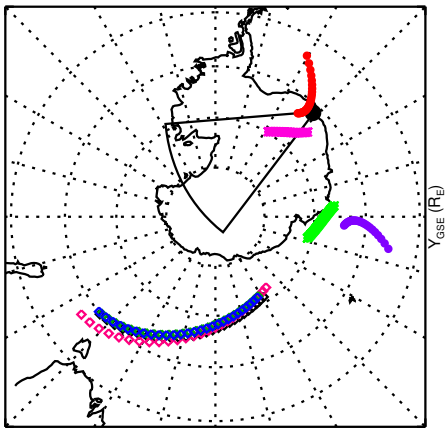


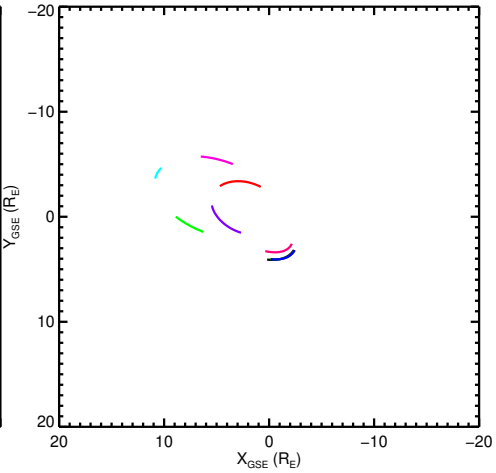


(c) 0955UT to 1215UT
cve fhe wal

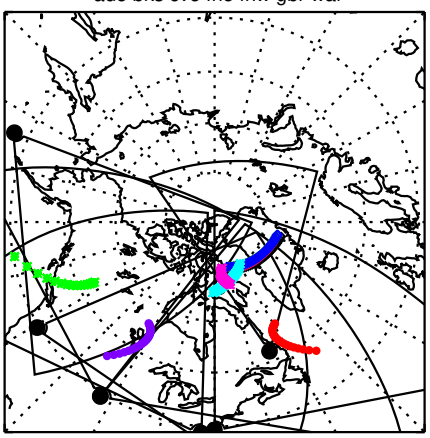


san

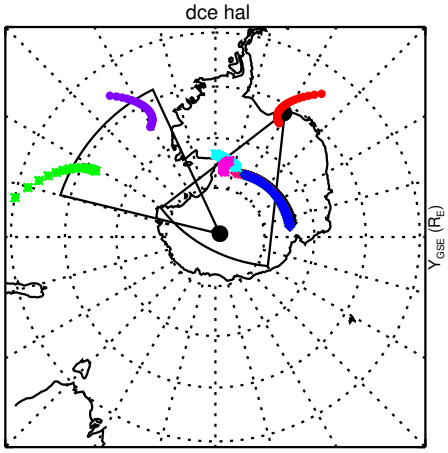


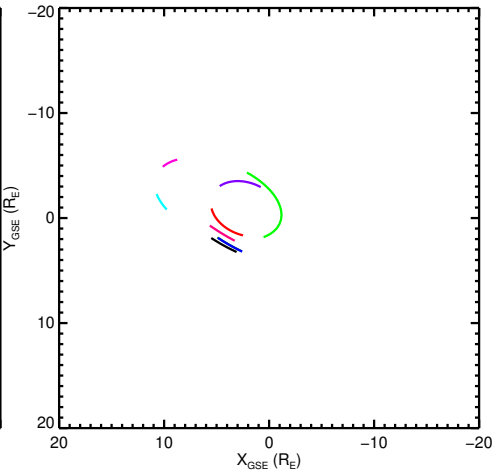



(d) 1425UT to 1650UT
ade bks cve fhe fhw gbr wal

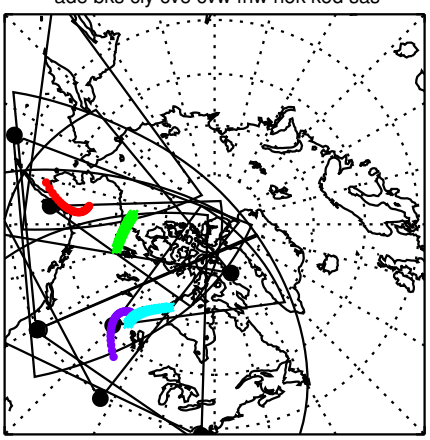


dce hal

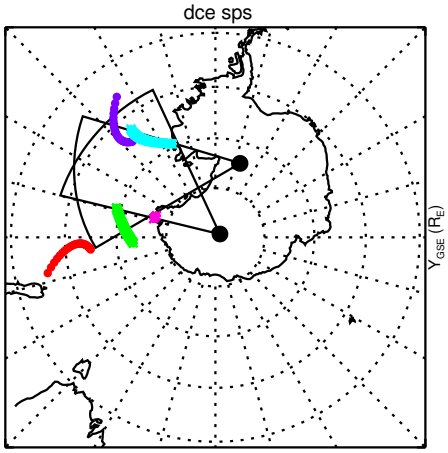


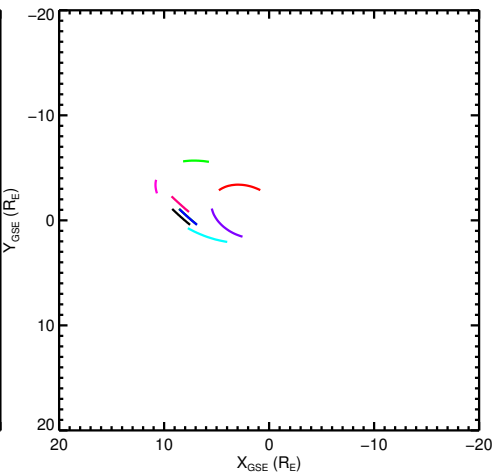



(e) 1855UT to 2120UT
ade bks cly cve cvw fhw hok kod sas

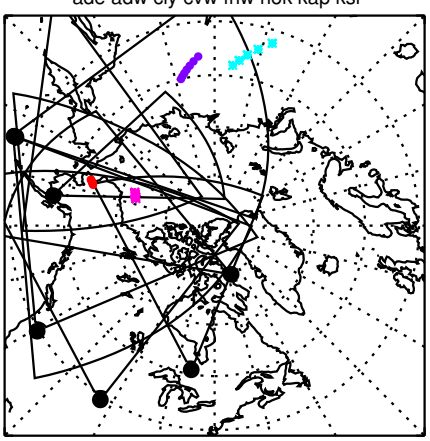


dce sps

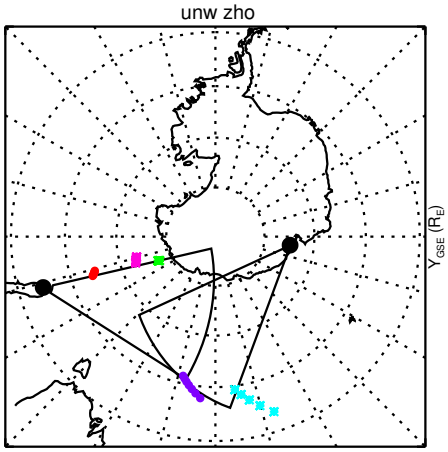


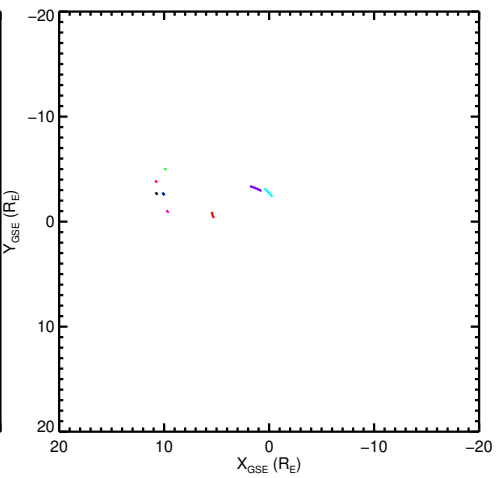



(f) 2325UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw zho

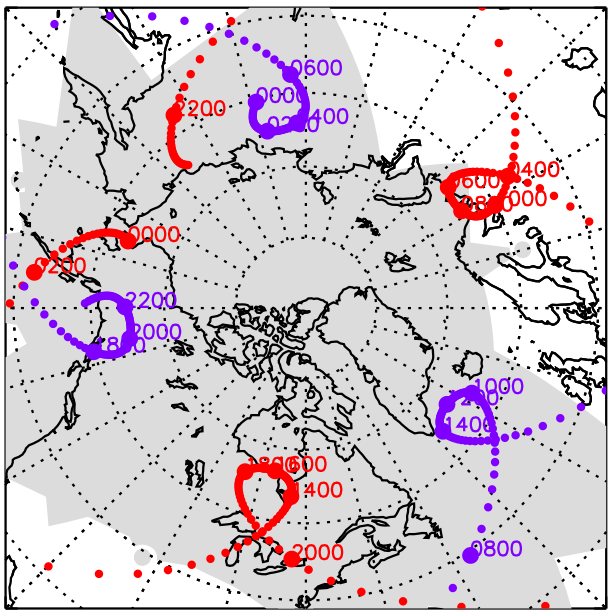


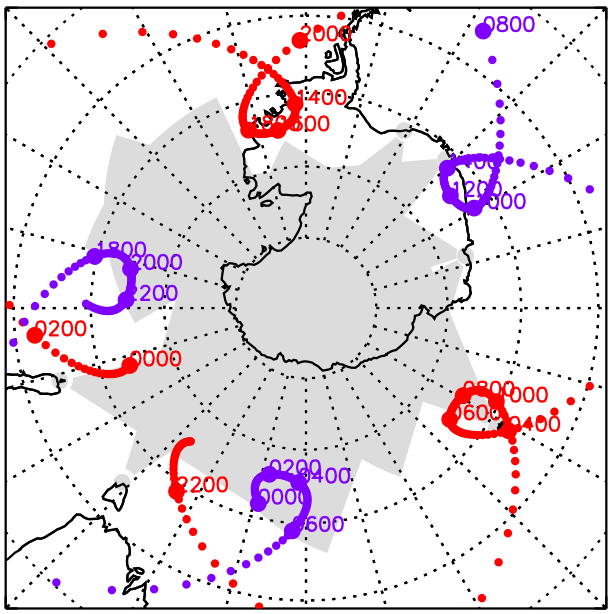


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

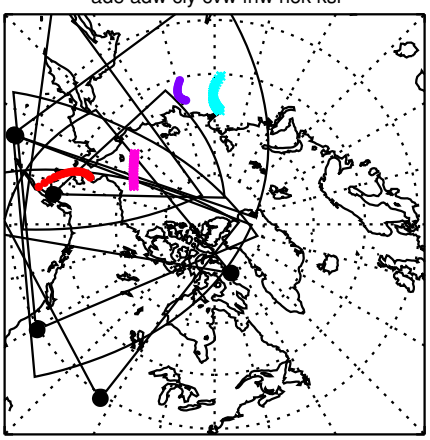
07–Apr–2014

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

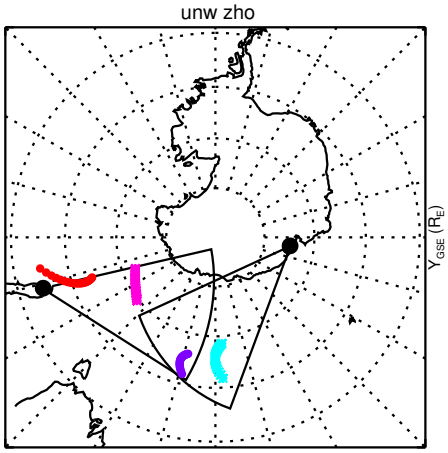


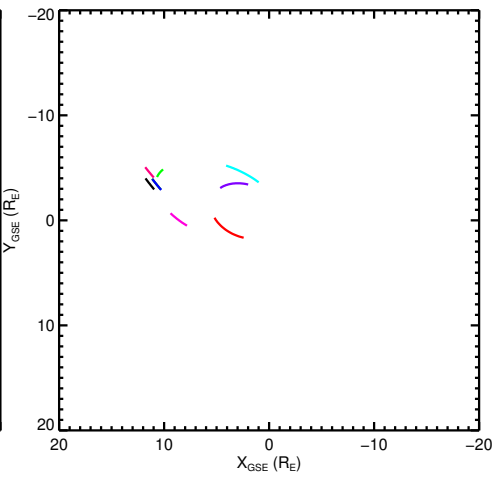




(a) 0000UT to 0150UT
ade adw cly cvw fhw hok ksr

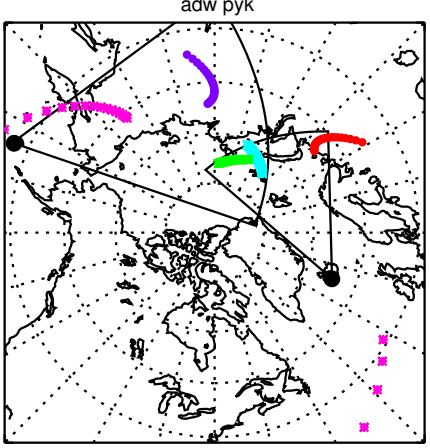


unw zho

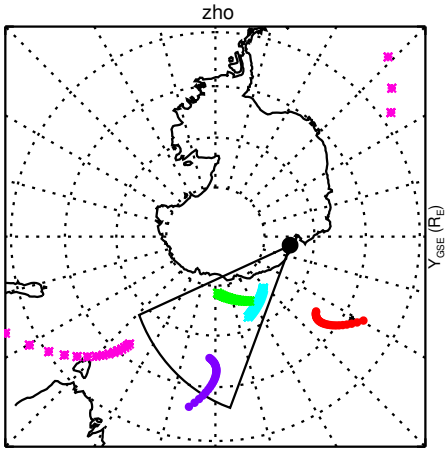


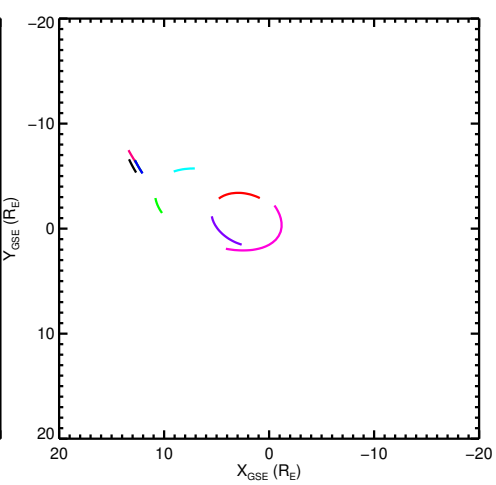



(b) 0355UT to 0620UT
adw pyk

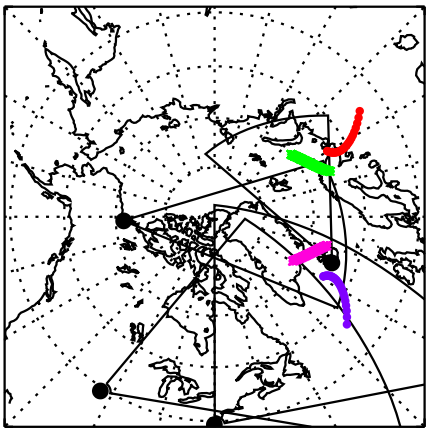


zho

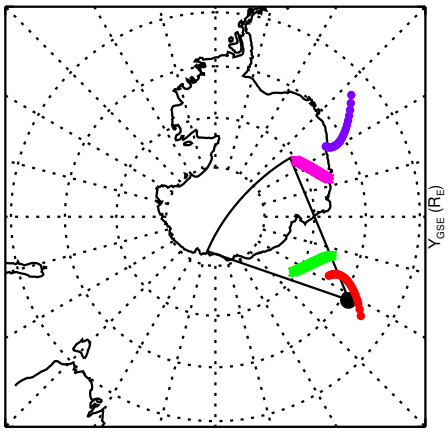


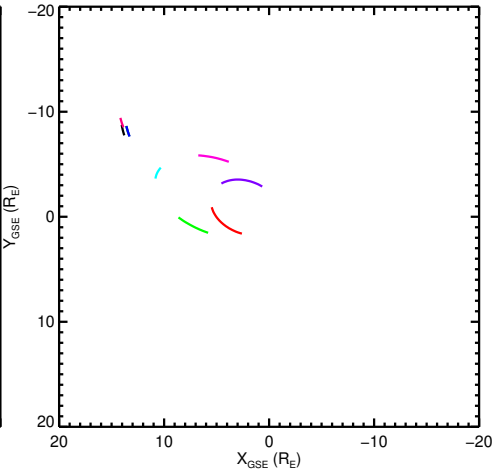


(c) 0825UT to 1045UT
fhe inv pyk wal

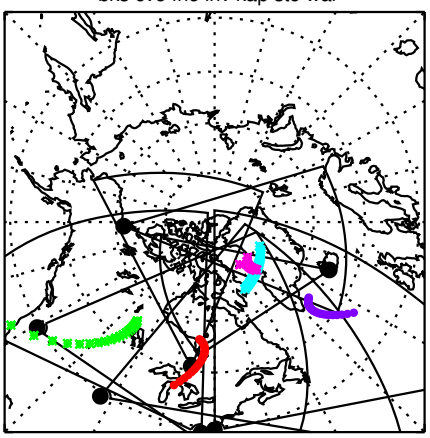


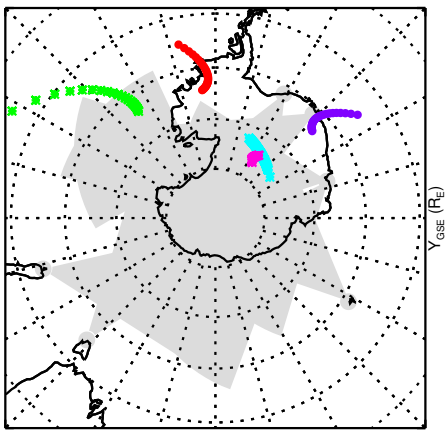
ker

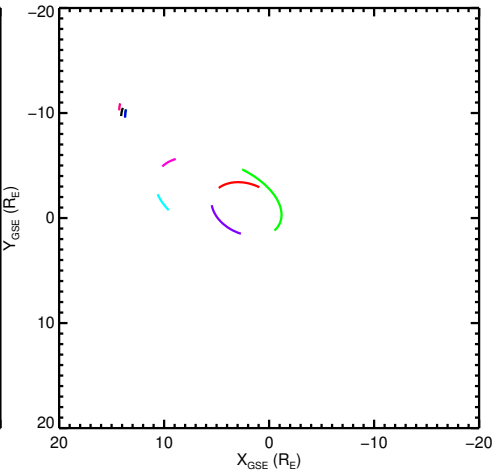




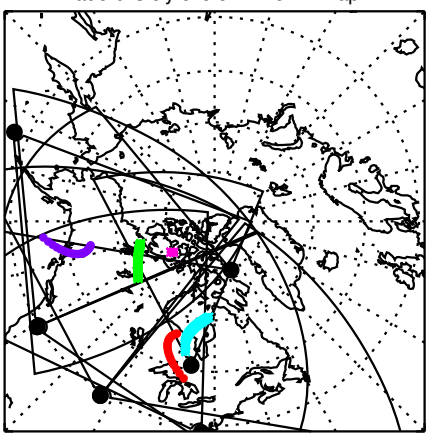

(d) 1255UT to 1520UT
bks cve fhe inv kap sto wal



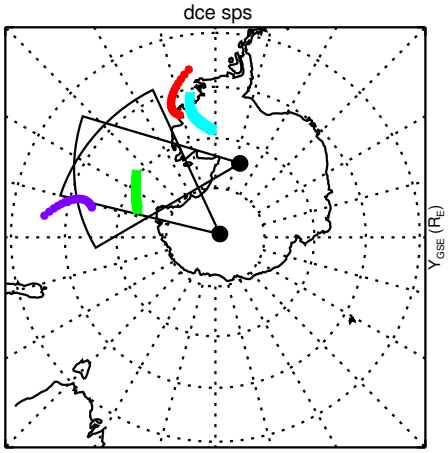


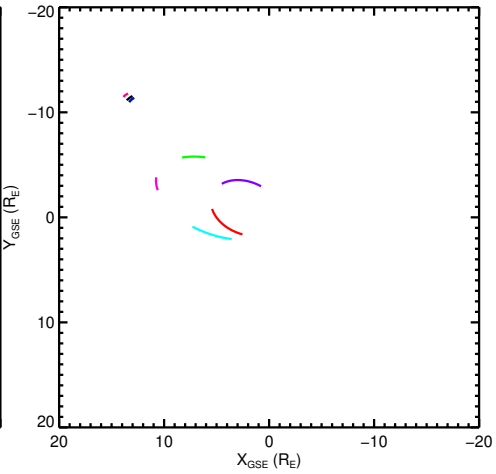



(e) 1730UT to 1945UT
ade bks cly cve cvw fhe fhw kap

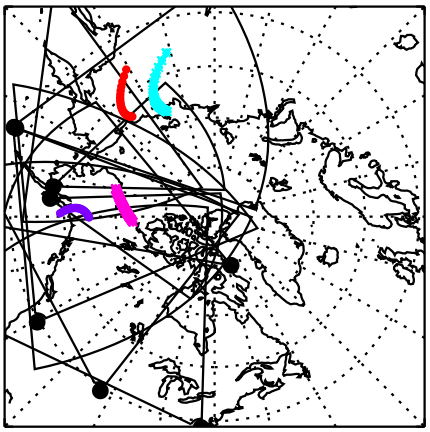


dce sps

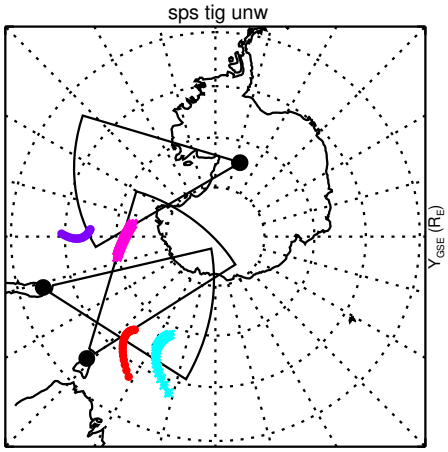


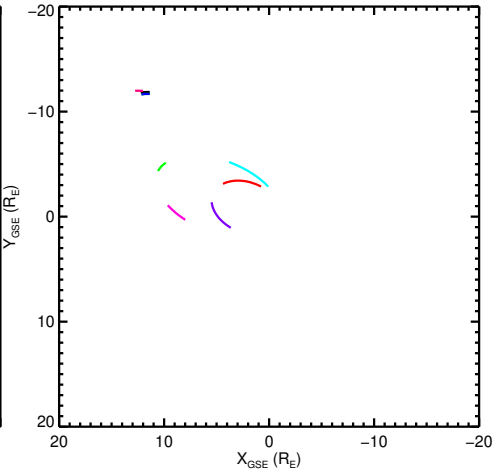



(f) 2150UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



sps tig unw

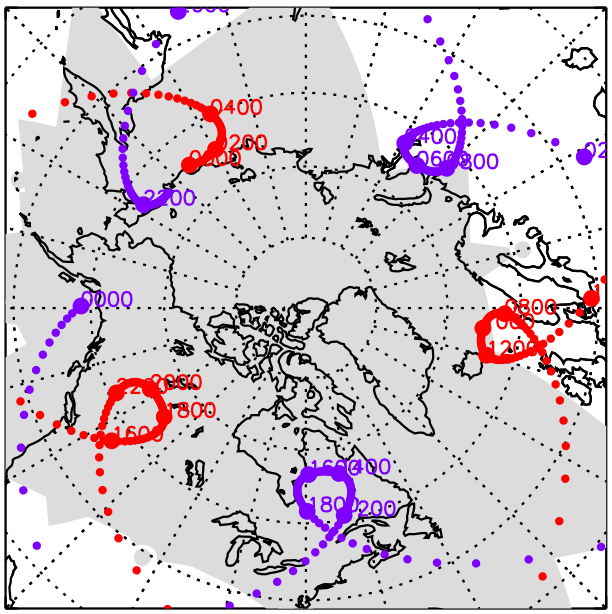


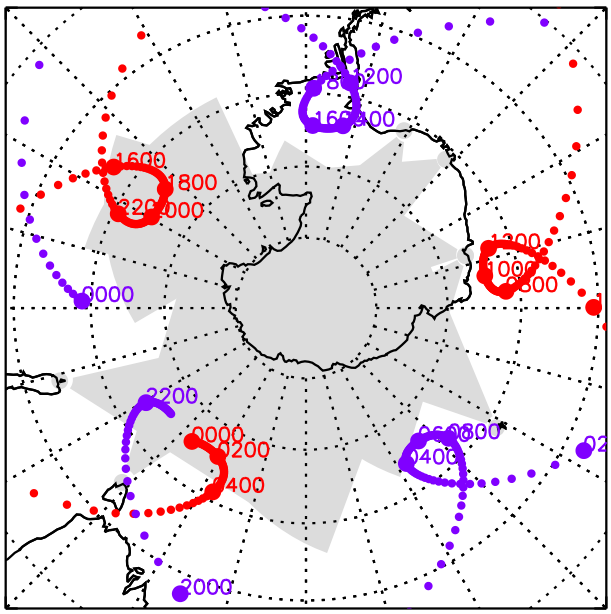


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

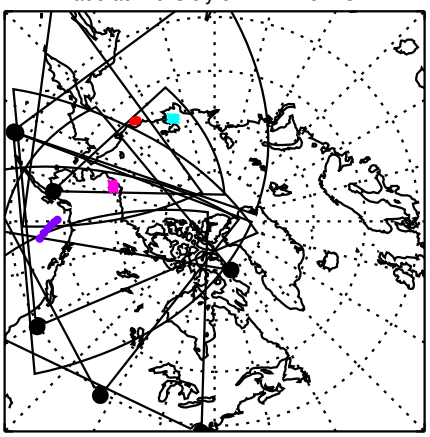
08–Apr–2014

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

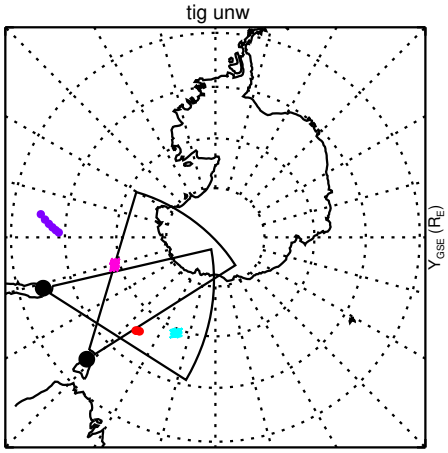


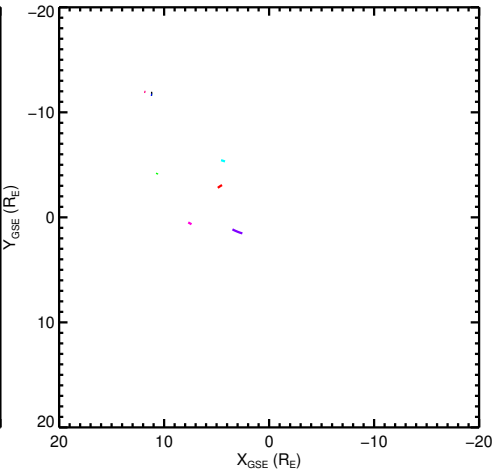


(a) 0000UT to 0025UT
ade adw bks cly cvw fhw hok ksr

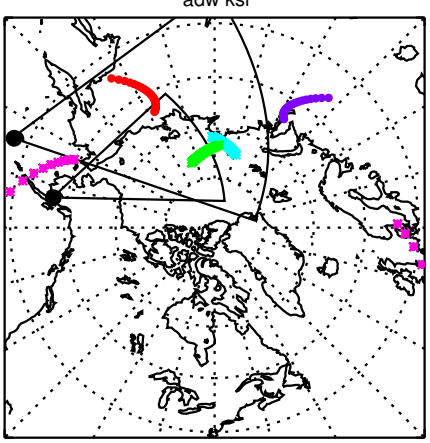


tig unw

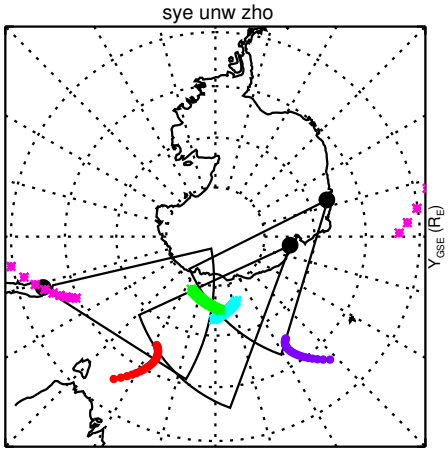


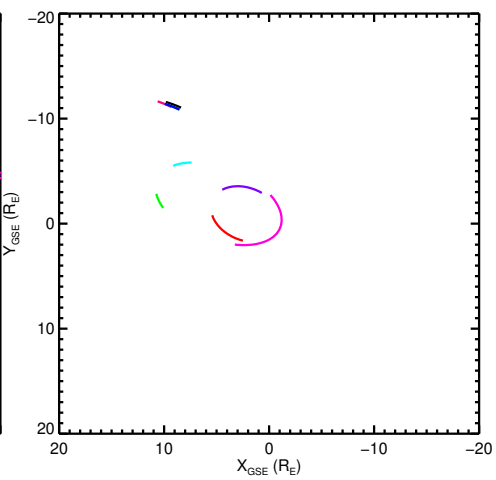



(b) 0230UT to 0445UT
adw ksr

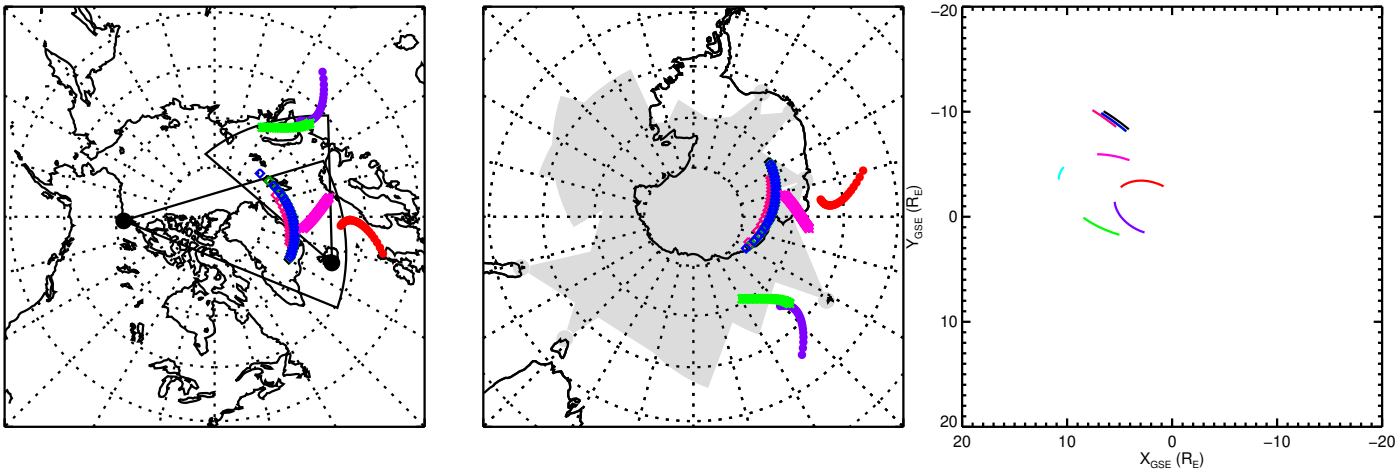


sye unw zho

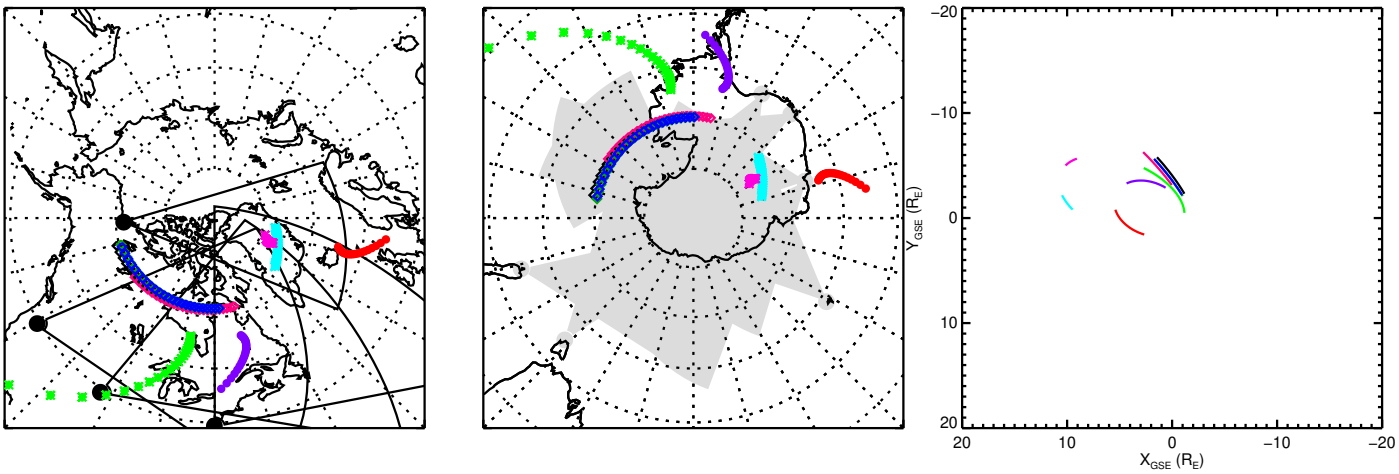




(c) 0650UT to 0925UT
inv pyk

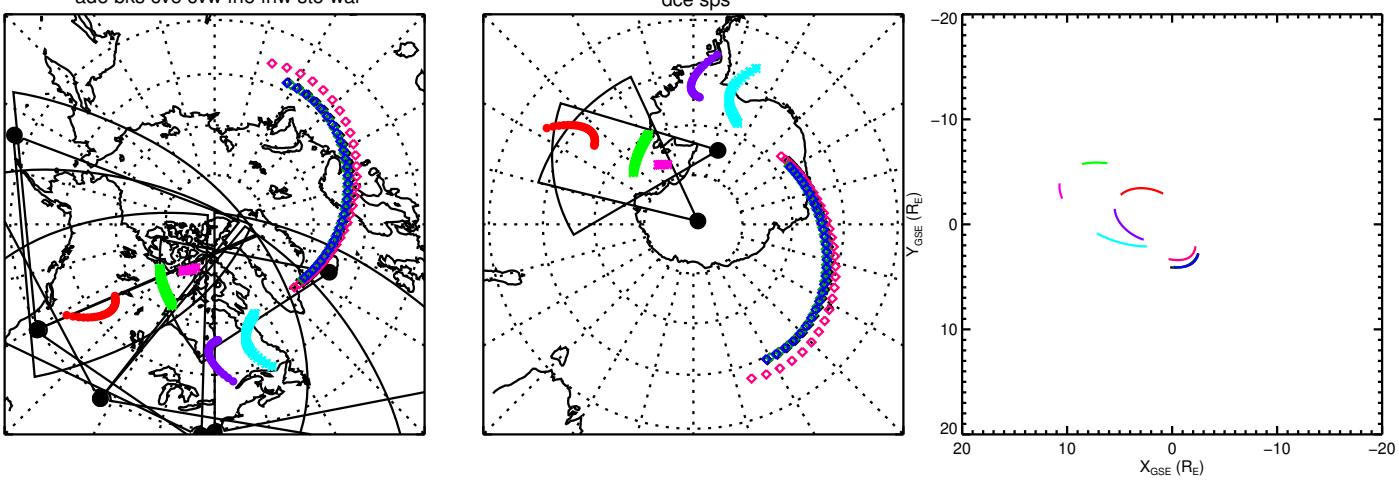



(d) 1130UT to 1340UT
cve fhe inv wal



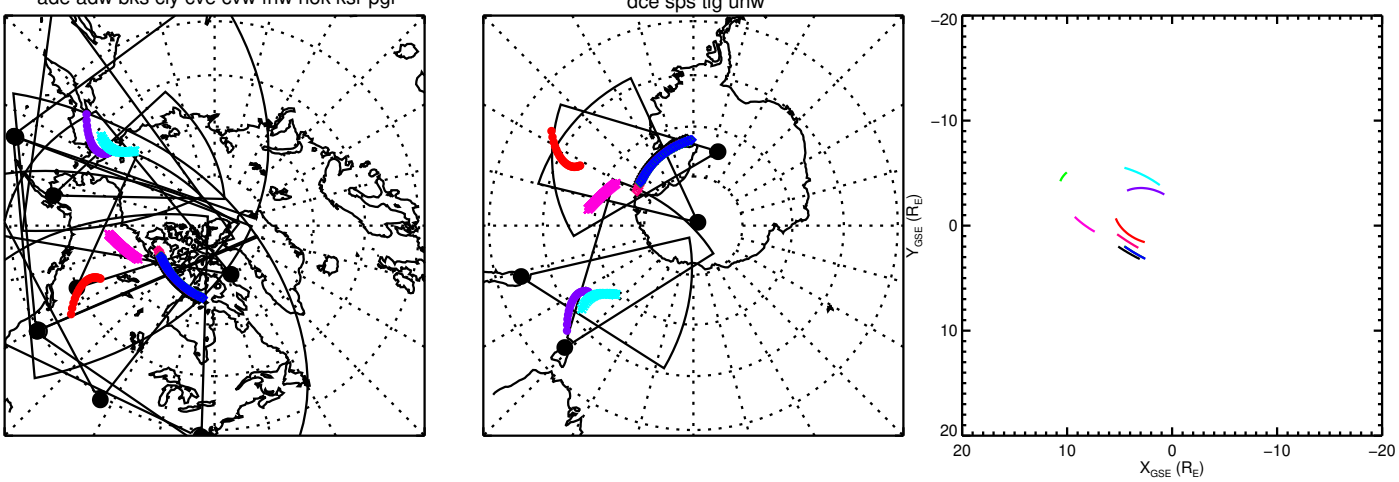

(e) 1550UT to 1825UT
ade bks cve cvw fhe fhw sto wal

dce sps




(f) 2035UT to 2240UT
ade adw bks cly cve cvw fhw hok ksr pgr

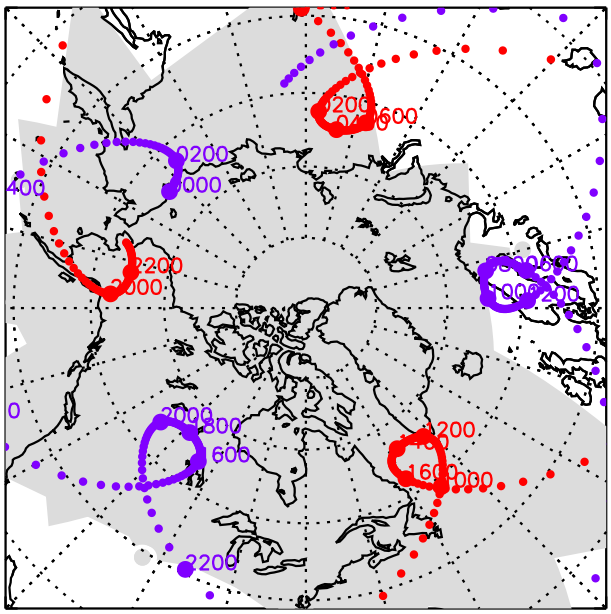
dce sps tig unw

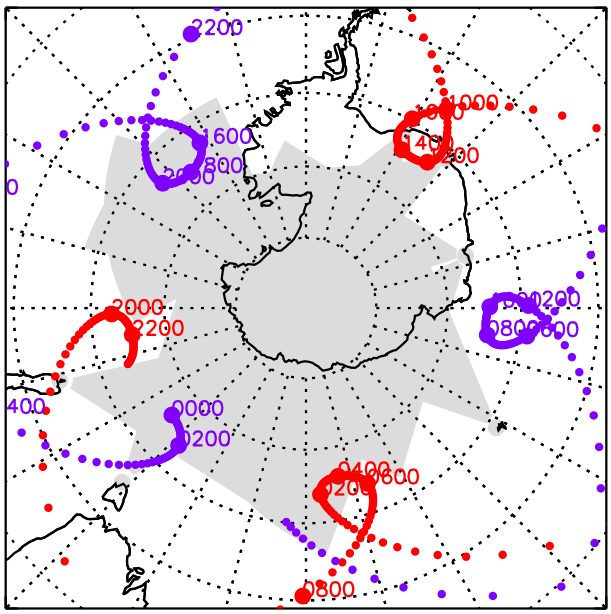


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

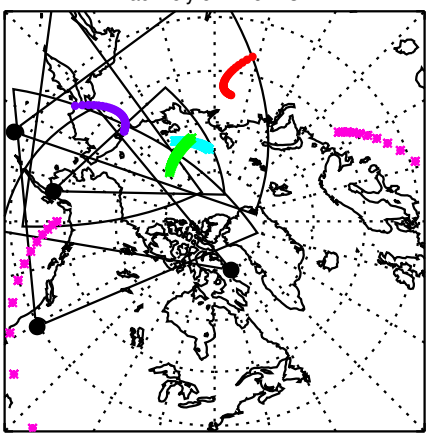
09−Apr−2014

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

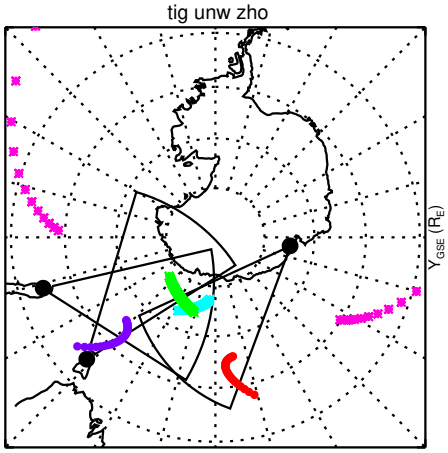


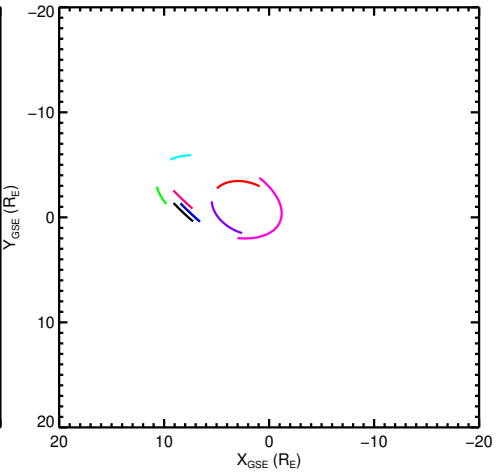


(a) 0050UT to 0330UT
adw cly cvw hok ksr

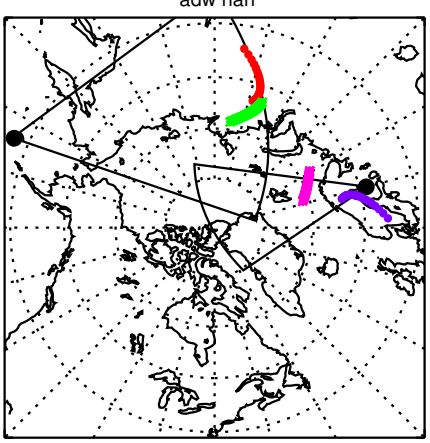


tig unw zho

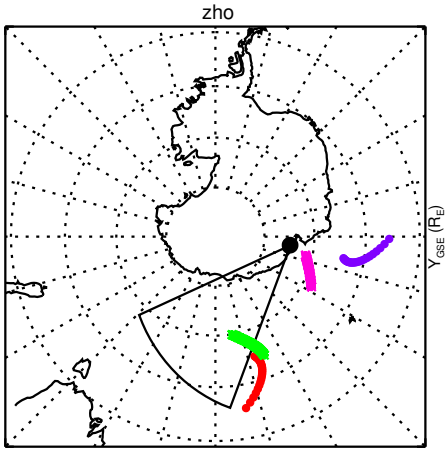


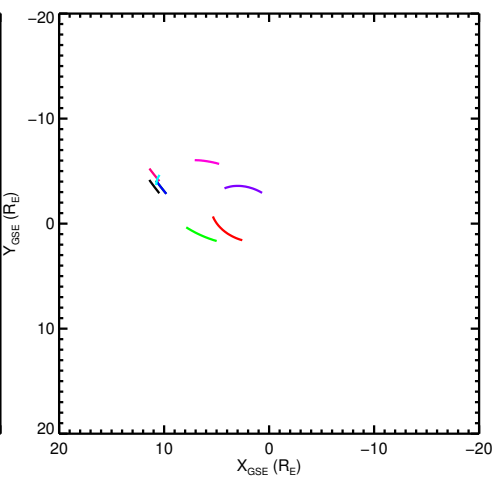



(b) 0535UT to 0740UT
adw han

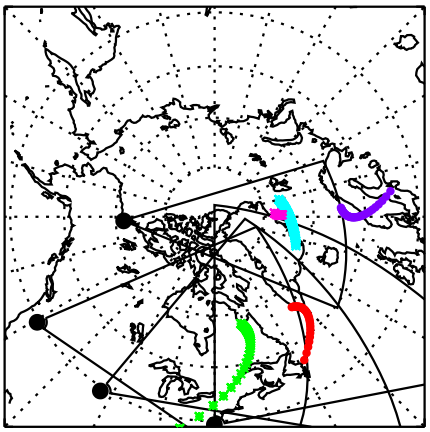


zho





(c) 0945UT to 1230UT
cve fhe inv wal



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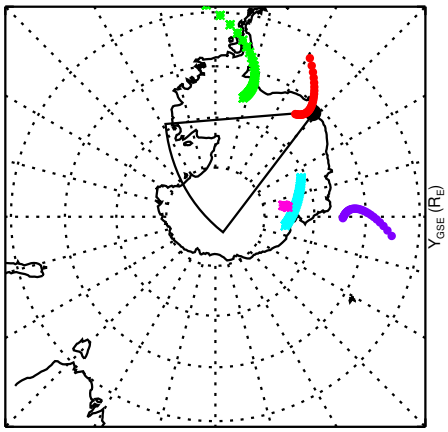
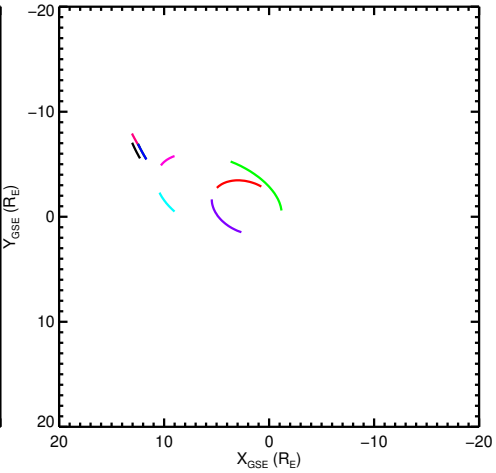
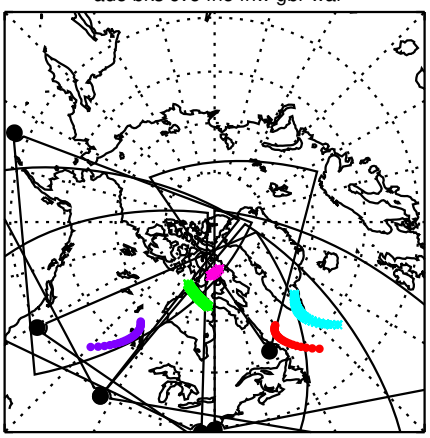
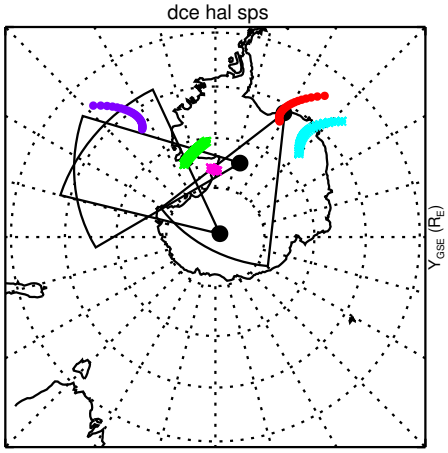


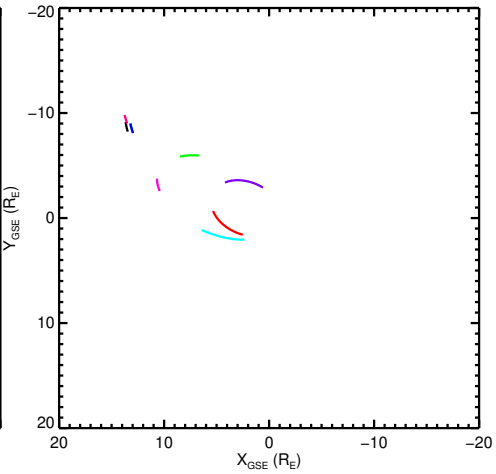



(d) 1435UT to 1640UT
ade bks cve fhe fhw gbr wal

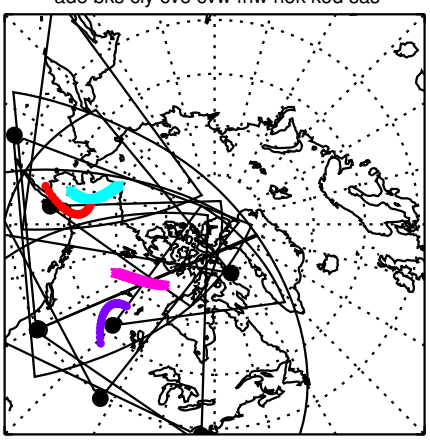


dce hal sps

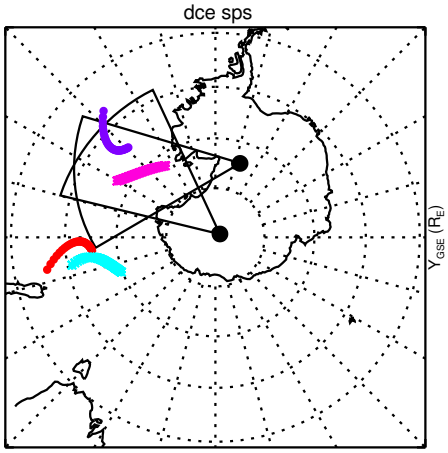


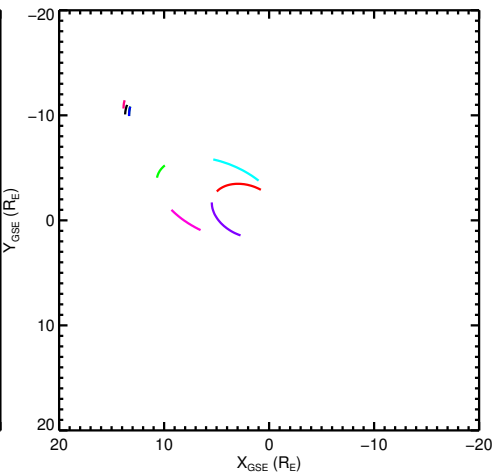



(e) 1845UT to 2130UT
ade bks cly cve cvw fhw hok kod sas

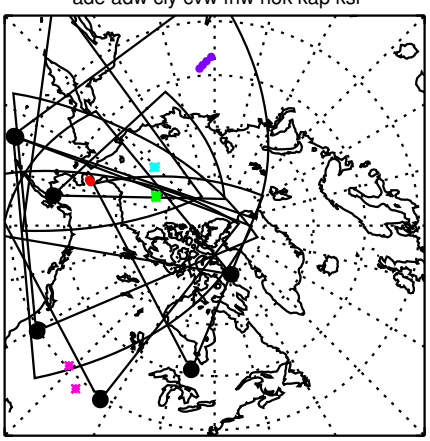


dce sps

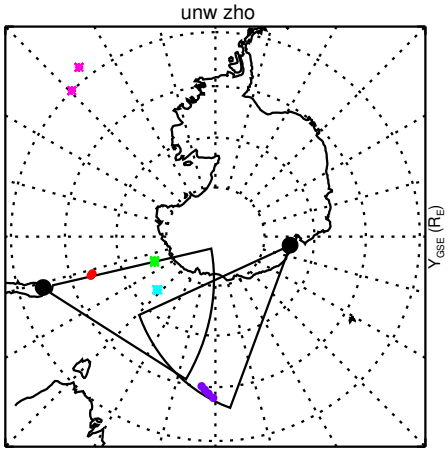


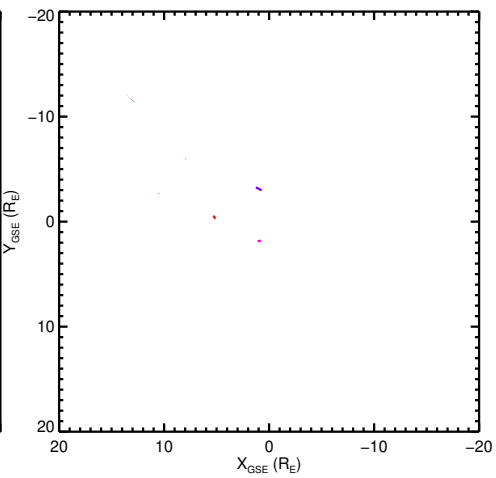



(f) 2340UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw zho

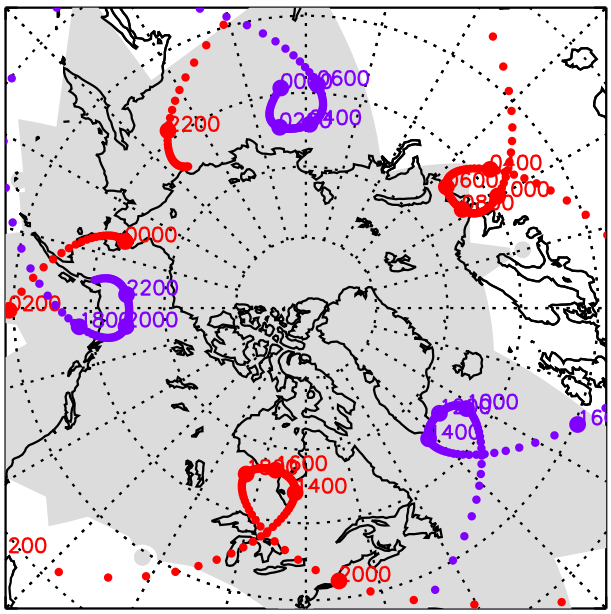


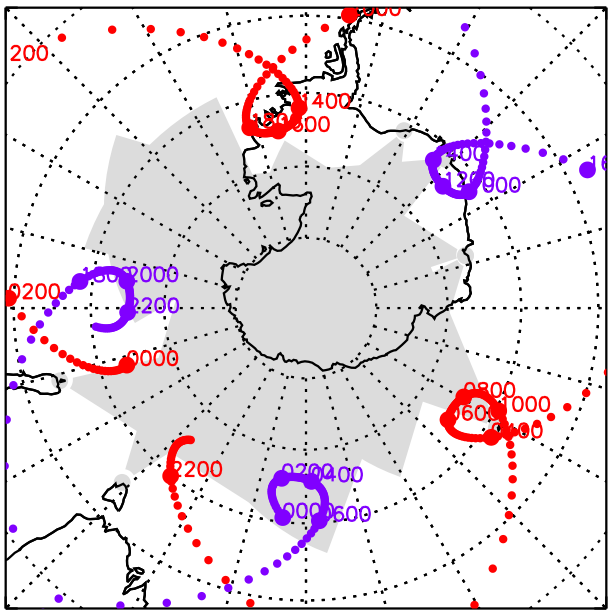


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

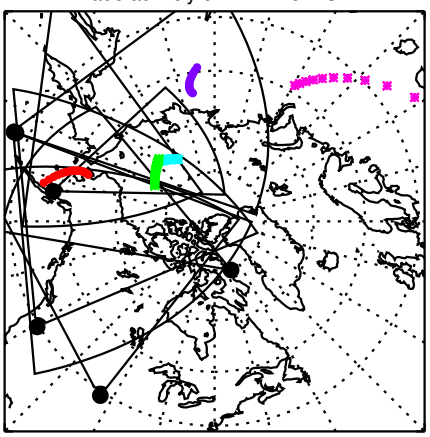
10–Apr–2014

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

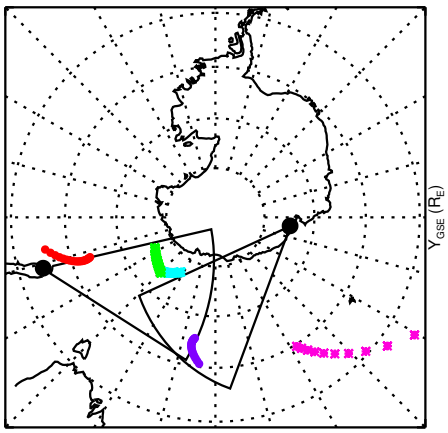


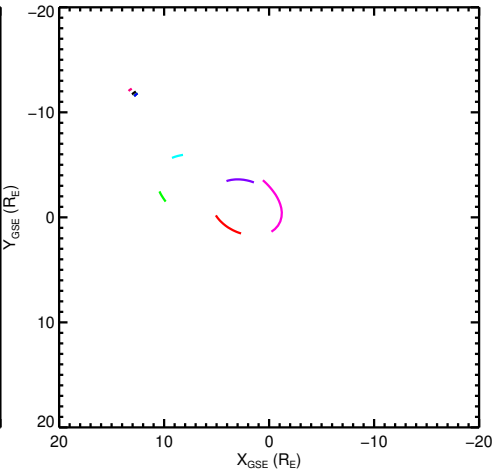


(a) 0000UT to 0135UT
ade adw cly cvw fhw hok ksr

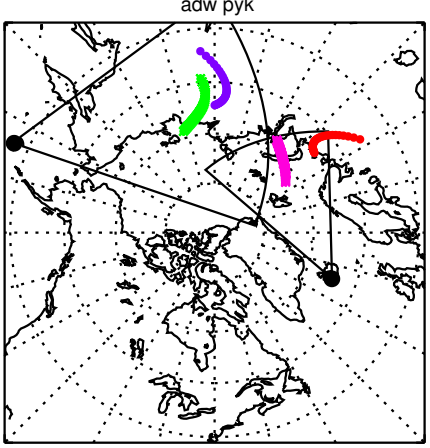


unw zho

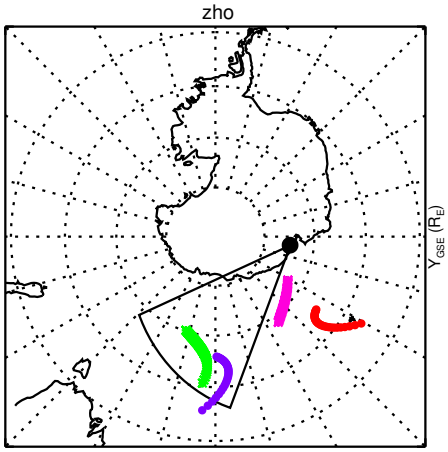


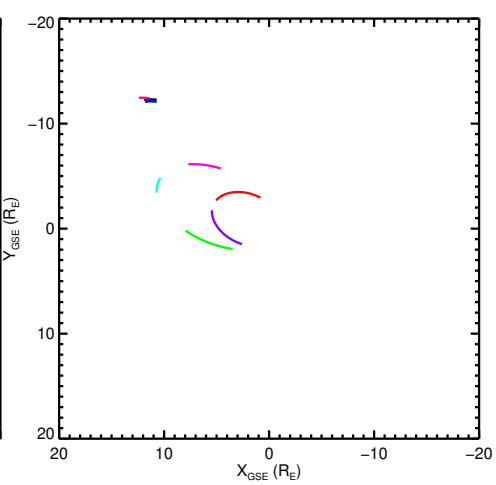



(b) 0345UT to 0635UT
adw pyk

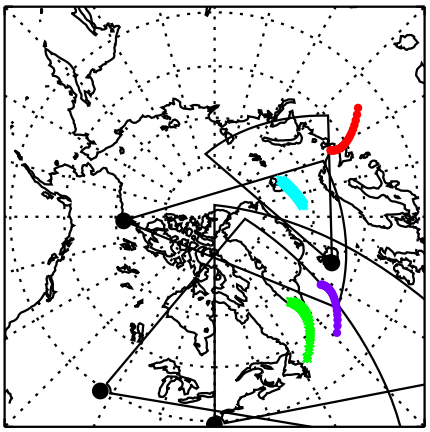


zho

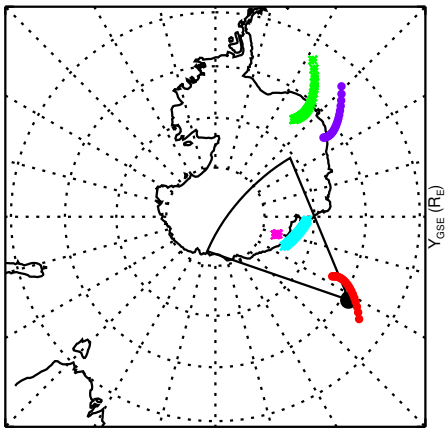


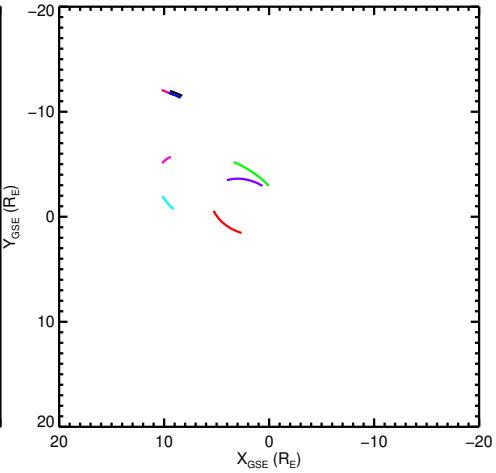


(c) 0840UT to 1035UT
fhe inv pyk wal

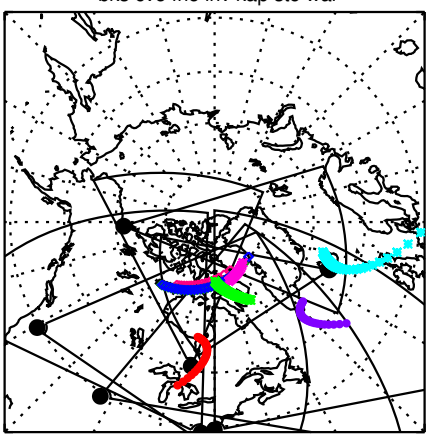


ker

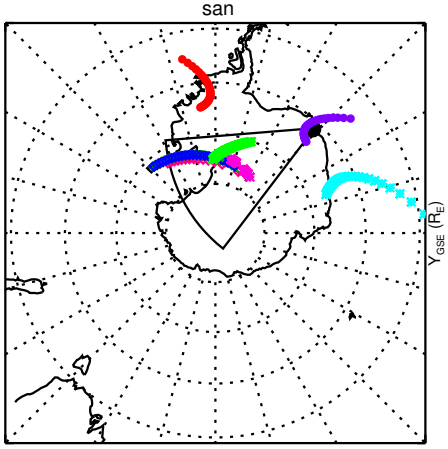


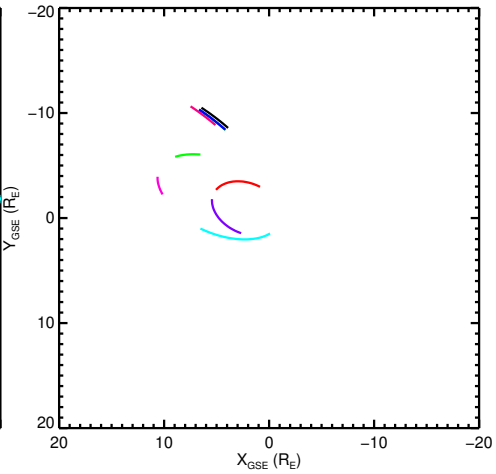



(d) 1245UT to 1535UT
bks cve fhe inv kap sto wal

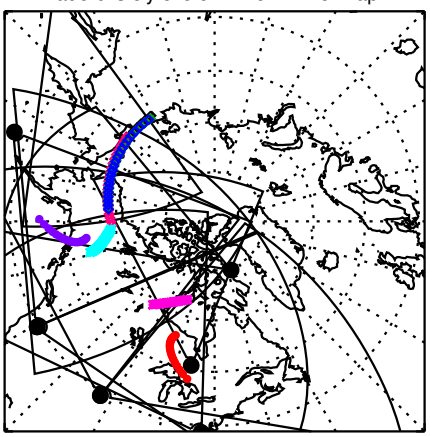


san

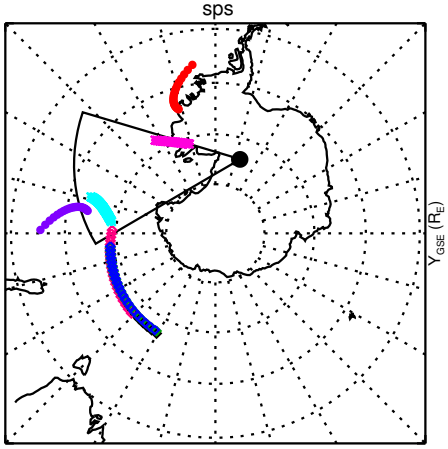


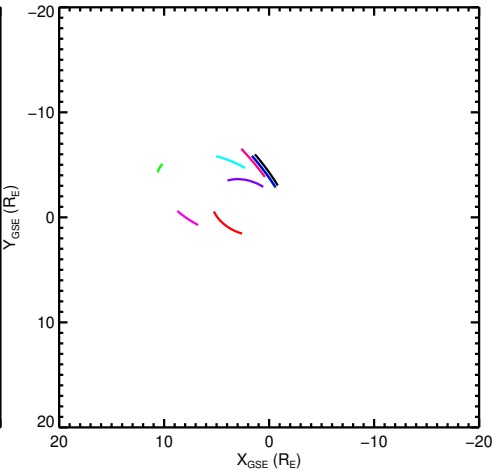



(e) 1740UT to 1935UT
ade bks cly cve cvw fhe fhw hok kap

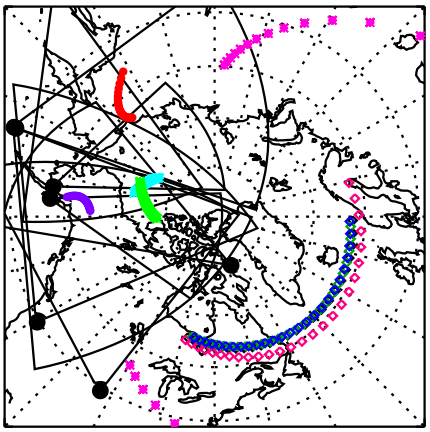


sps

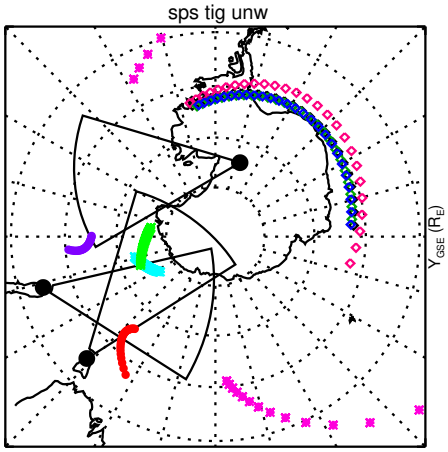


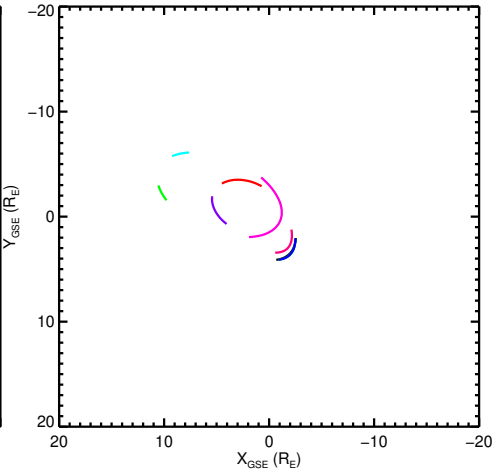



(f) 2140UT to 2355UT
ade adw cly cvw fhw hok kod ksr



sps tig unw

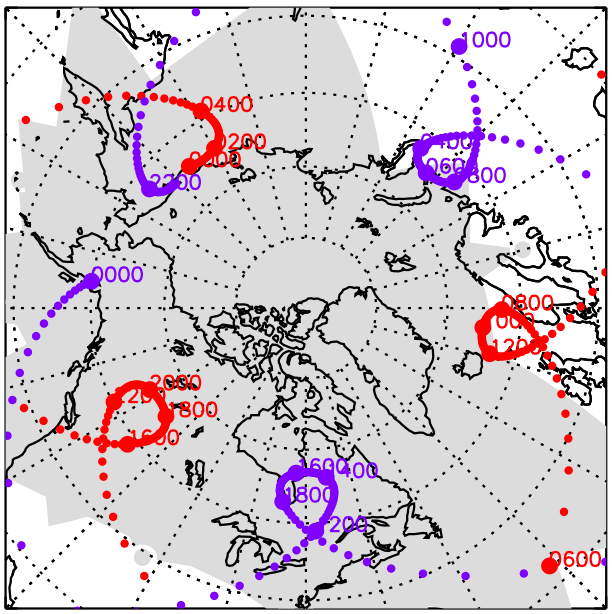


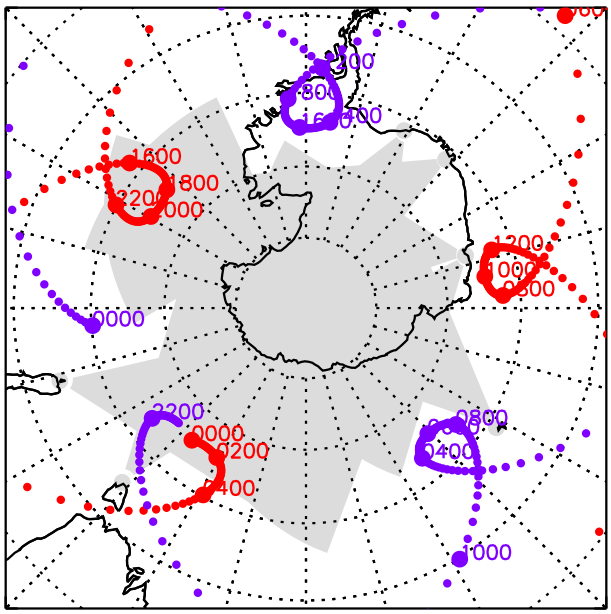


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

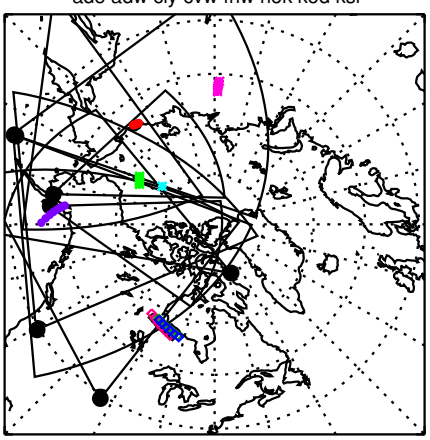
11−Apr−2014

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

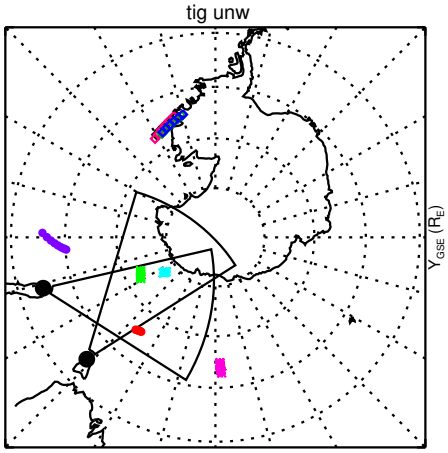


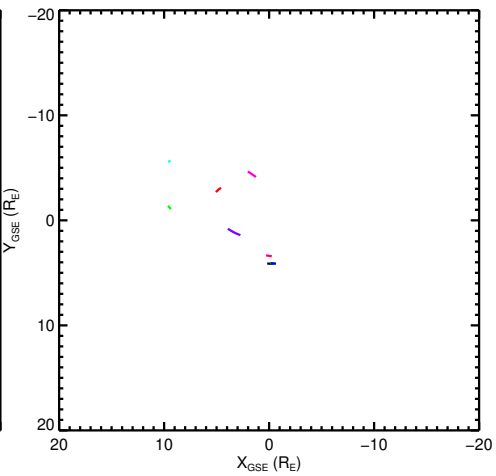




(a) 0000UT to 0035UT
ade adw cly cvw fhw hok kod ksr

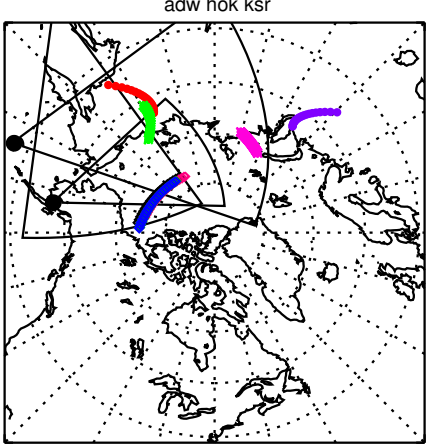


tig unw

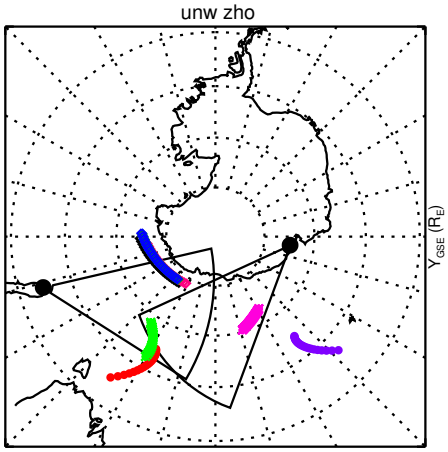


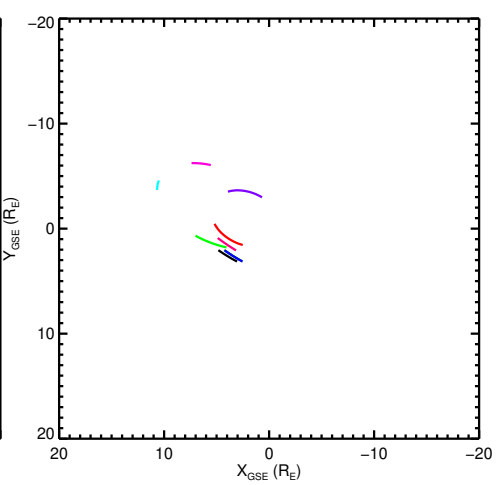



(b) 0245UT to 0435UT
adw hok ksr

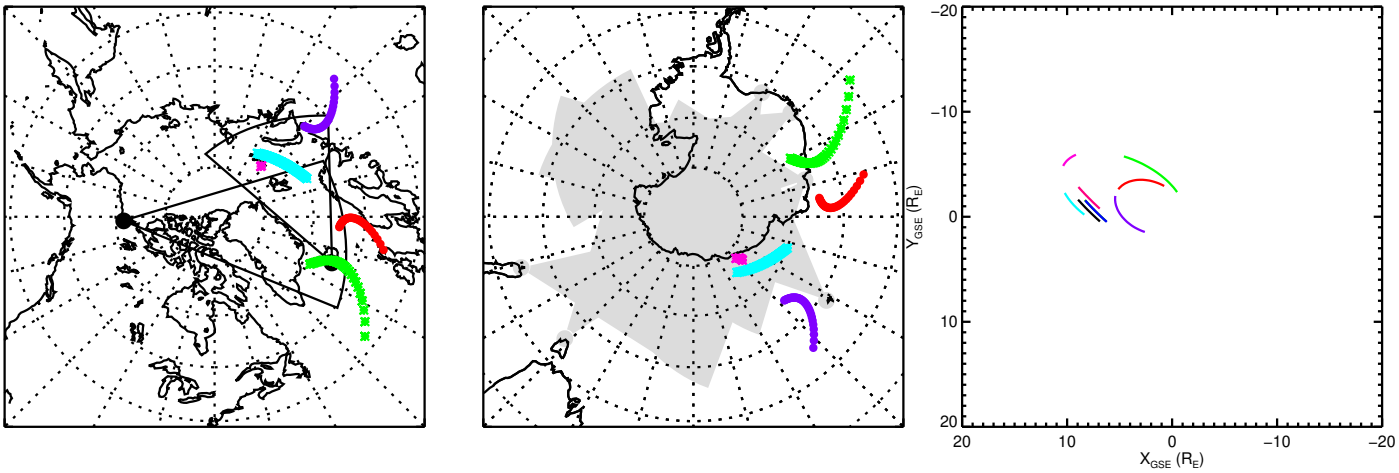


unw zho

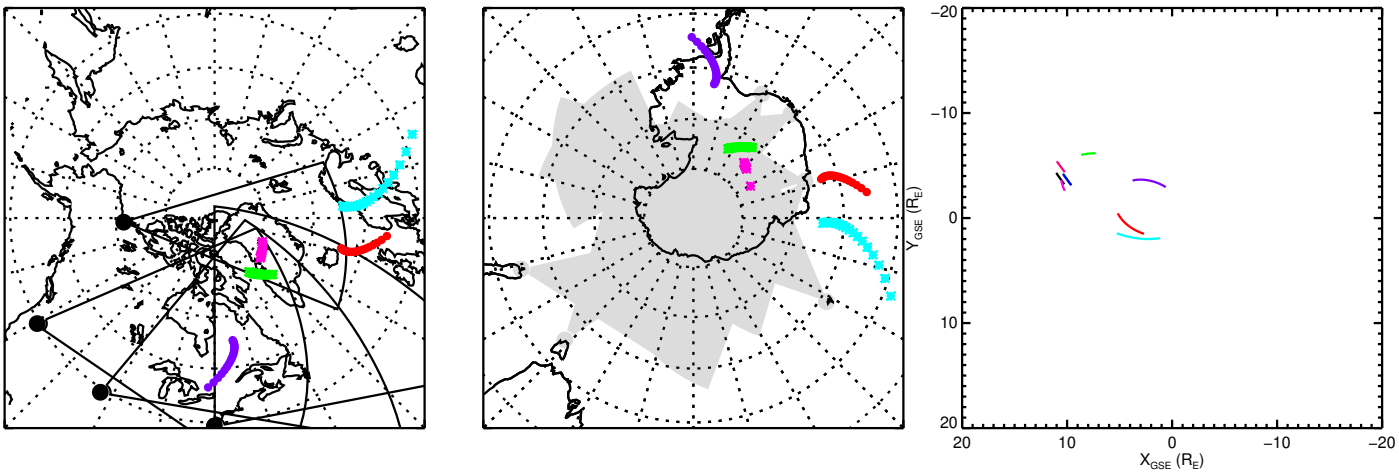




(c) 0640UT to 0940UT
inv pyk

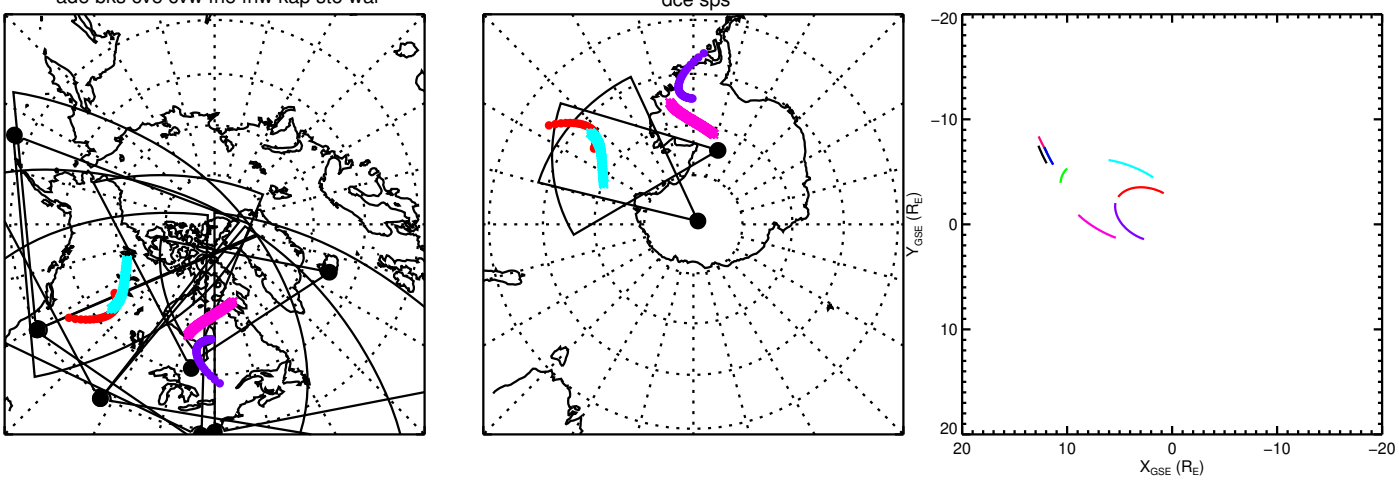



(d) 1145UT to 1330UT
cve fhe inv wal



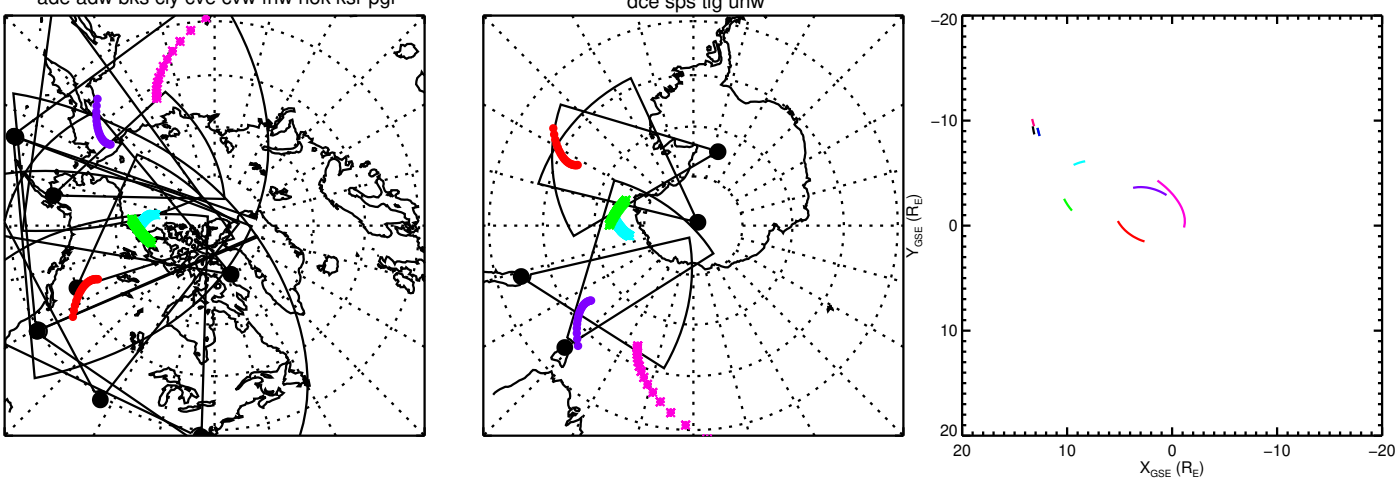

(e) 1540UT to 1840UT
ade bks cve cvw fhe fhw kap sto wal

dce sps




(f) 2045UT to 2230UT
ade adw bks cly cve cvw fhw hok ksr pgr

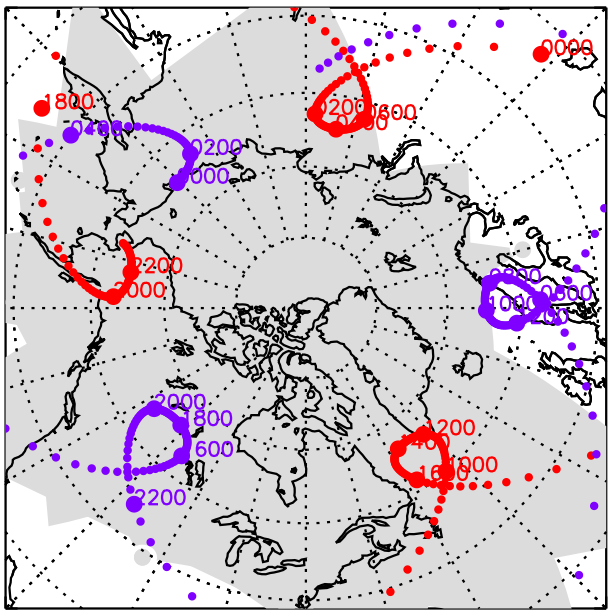
dce sps tig unw

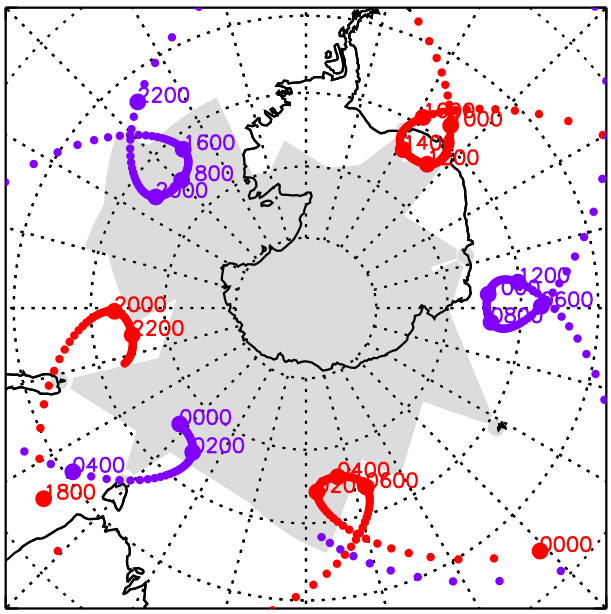


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

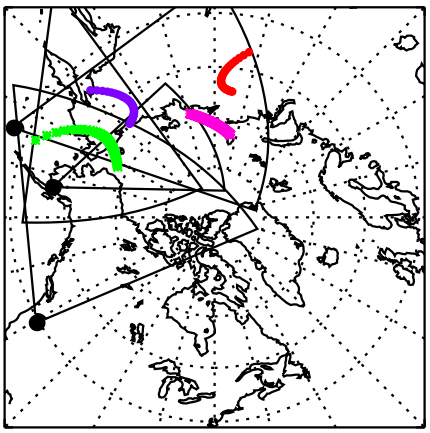
12–Apr–2014

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

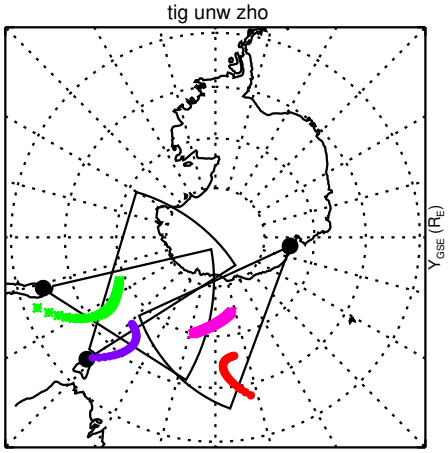


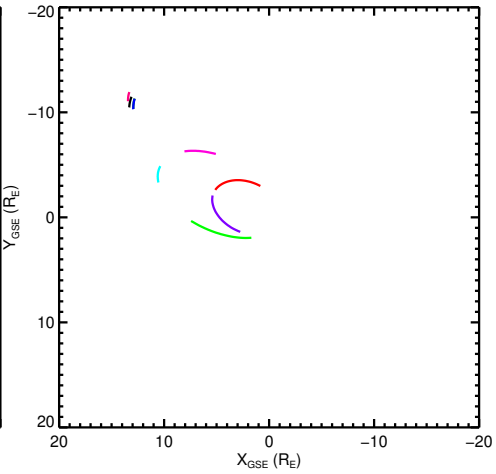




(a) 0040UT to 0340UT
adw cvw hok ksr

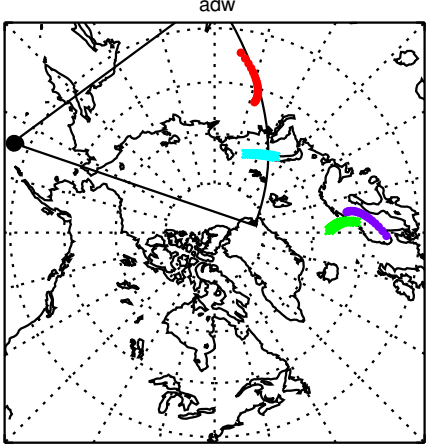


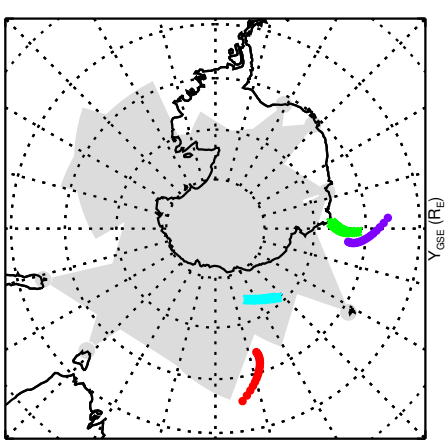
tig unw zho

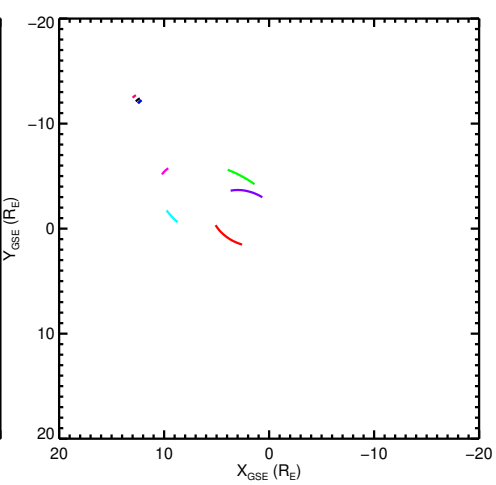




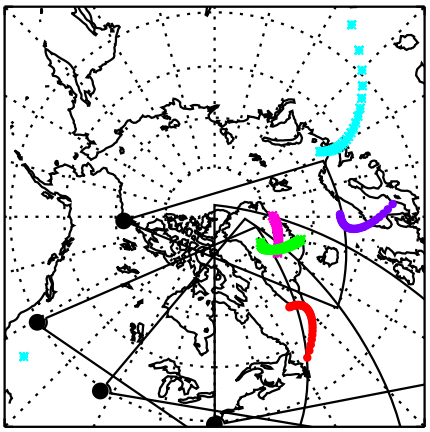

(b) 0550UT to 0730UT
adw



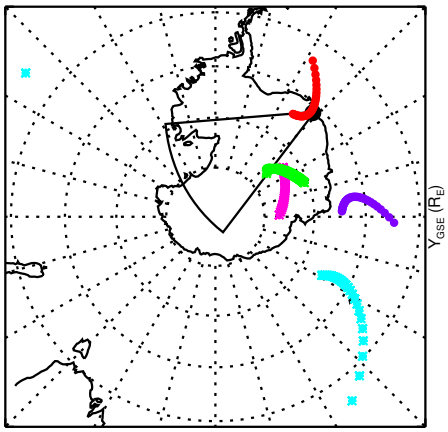


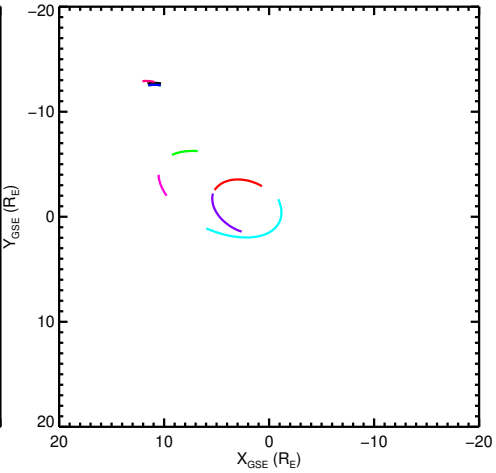


(c) 0935UT to 1245UT
cve fhe inv wal

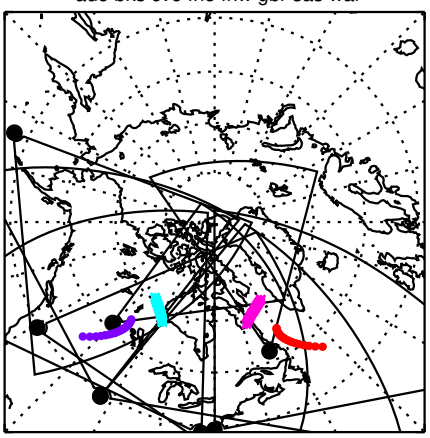


san

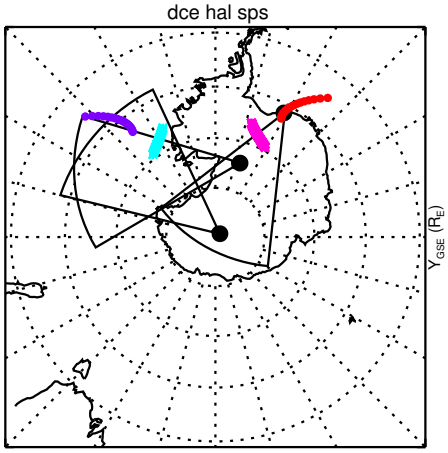


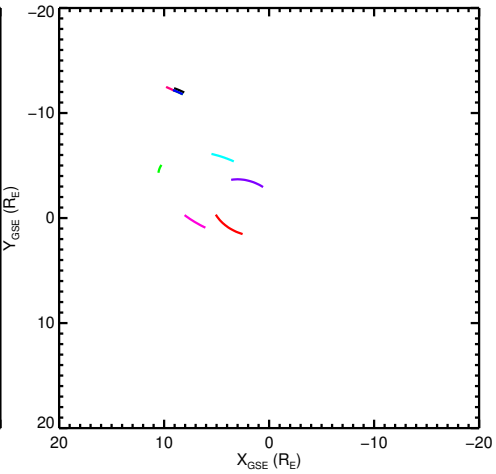



(d) 1450UT to 1630UT
ade bks cve fhe fhw gbr sas wal

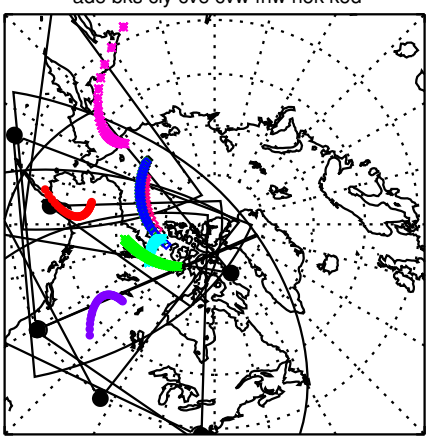


dce hal sps

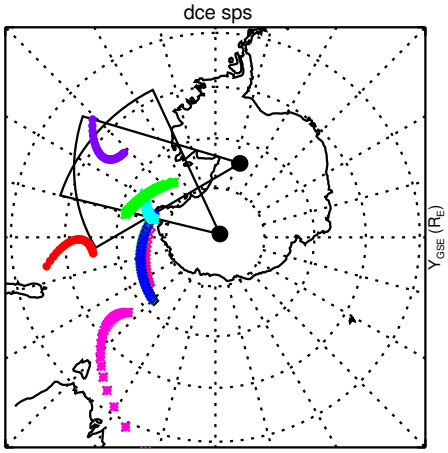


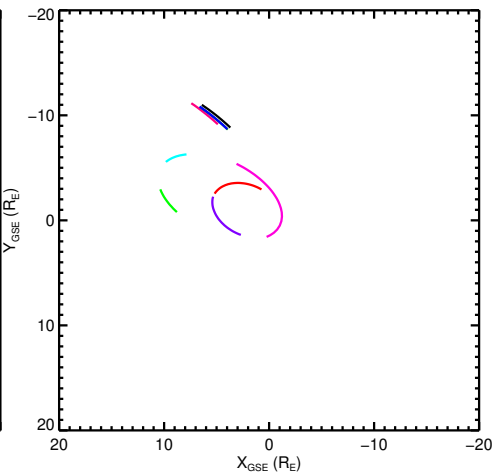



(e) 1835UT to 2145UT
ade bks cly cve cvw fhw hok kod

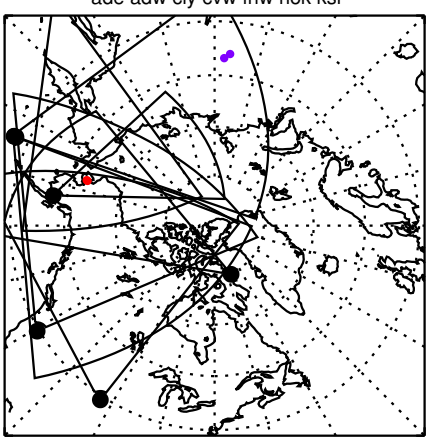


dce sps

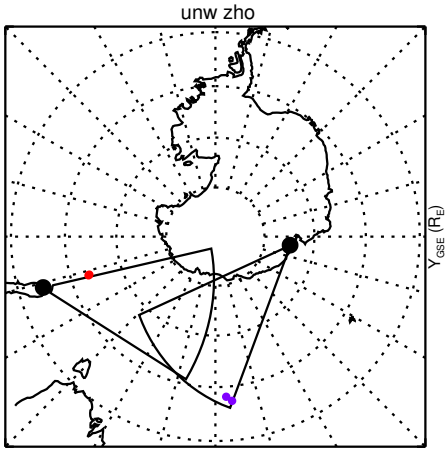


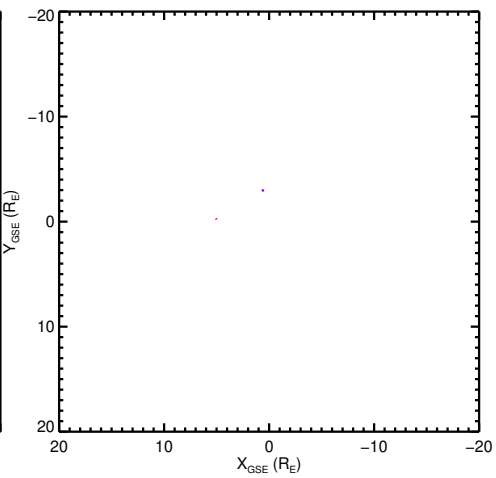



(f) 2350UT to 2355UT
ade adw cly cvw fhw hok ksr



unw zho

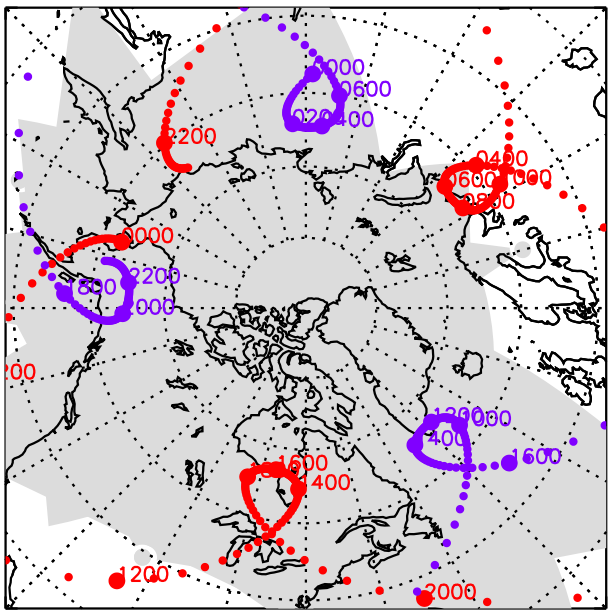


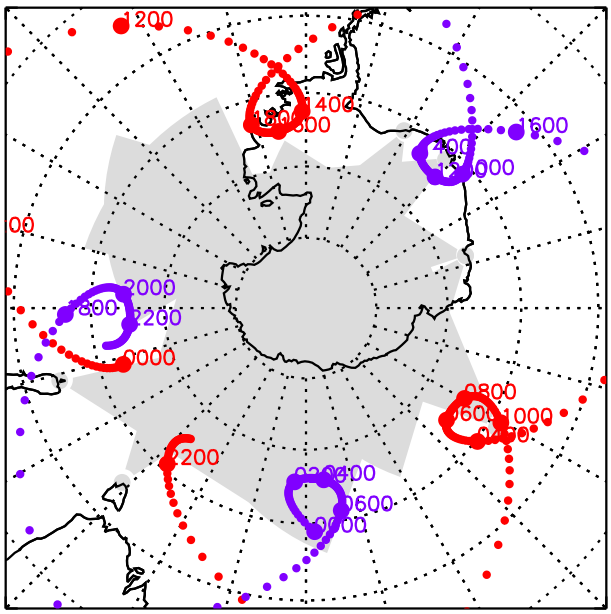


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

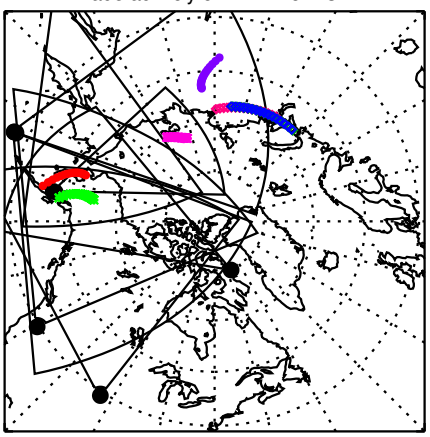
13–Apr–2014

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

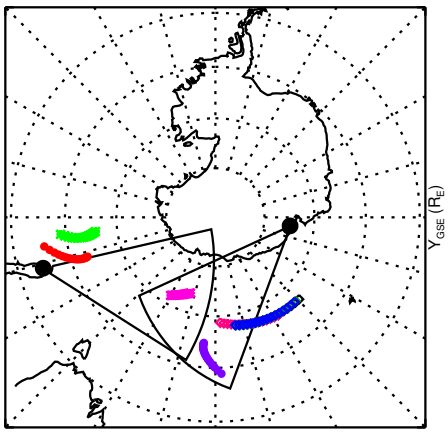


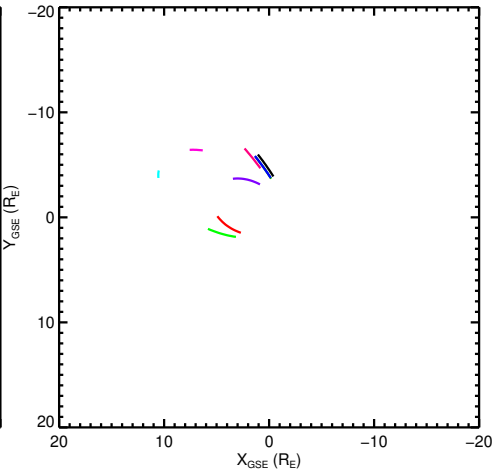


(a) 0000UT to 0125UT
ade adw cly cvw fhw hok ksr

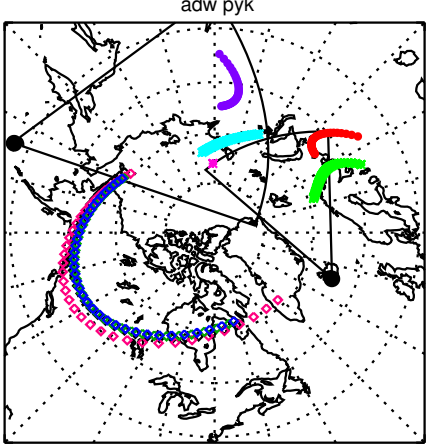


unw zho

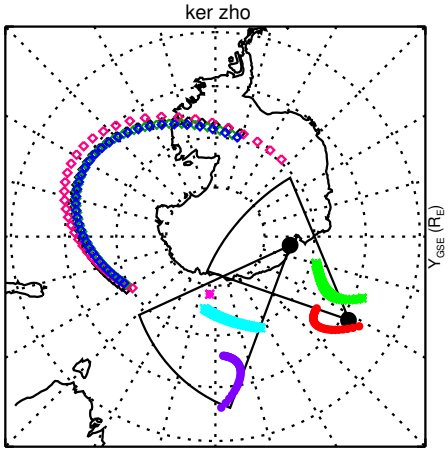


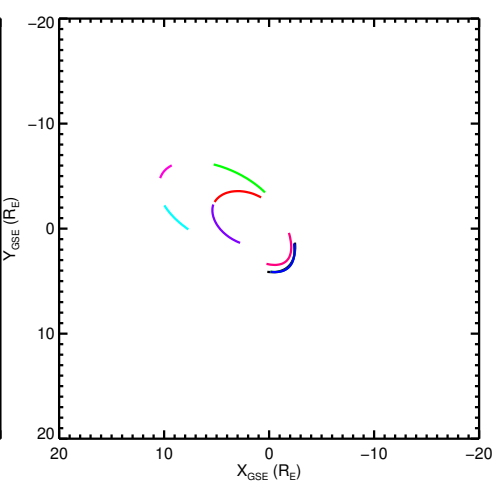



(b) 0335UT to 0645UT
adw pyk

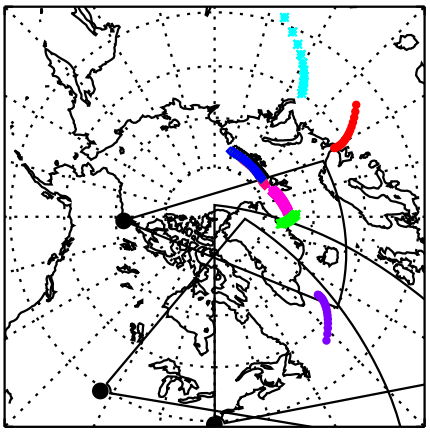


ker zho

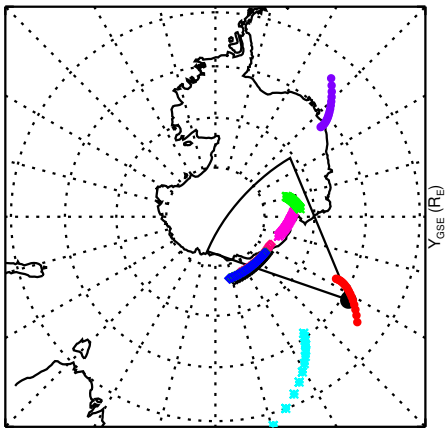


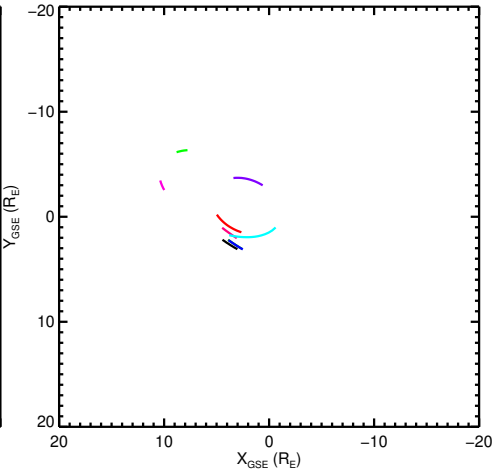


(c) 0855UT to 1025UT
fhe inv wal

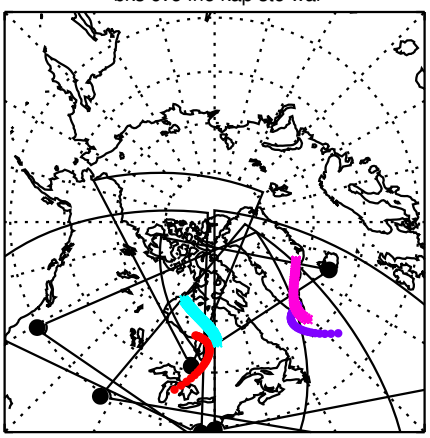


ker

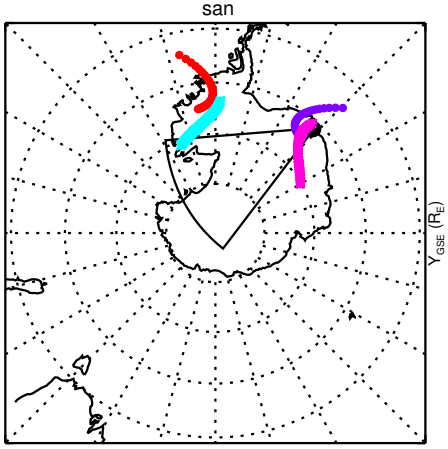


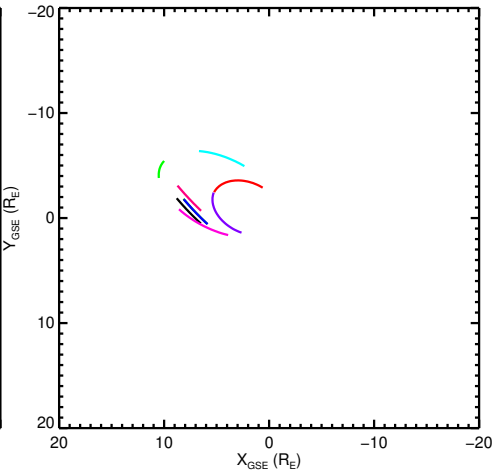



(d) 1230UT to 1550UT
bks cve fhe kap sto wal

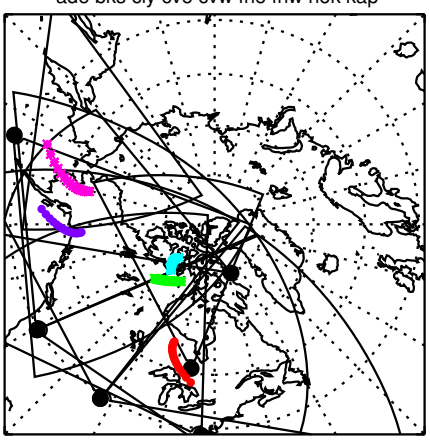


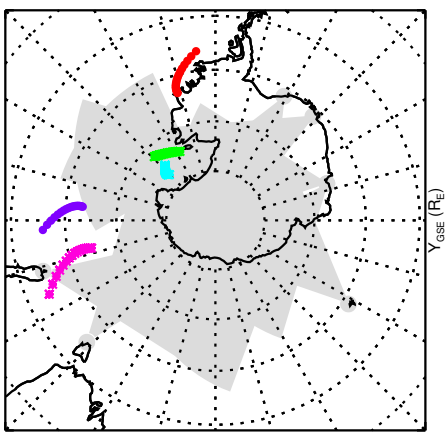
san

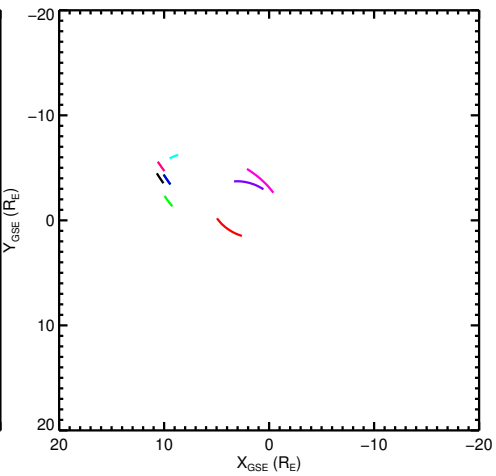




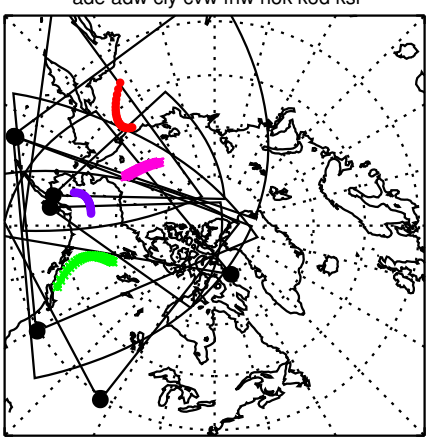

(e) 1755UT to 1925UT
ade bks cly cve cvw fhe fhw hok kap



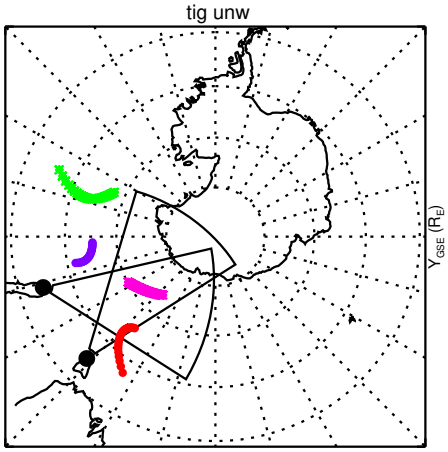


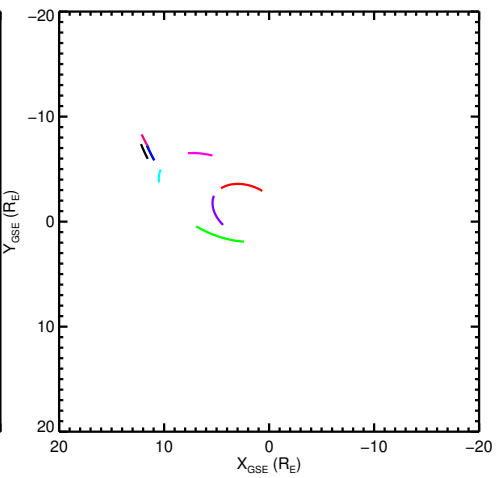



(f) 2130UT to 2355UT
ade adw cly cvw fhw hok kod ksr



tig unw

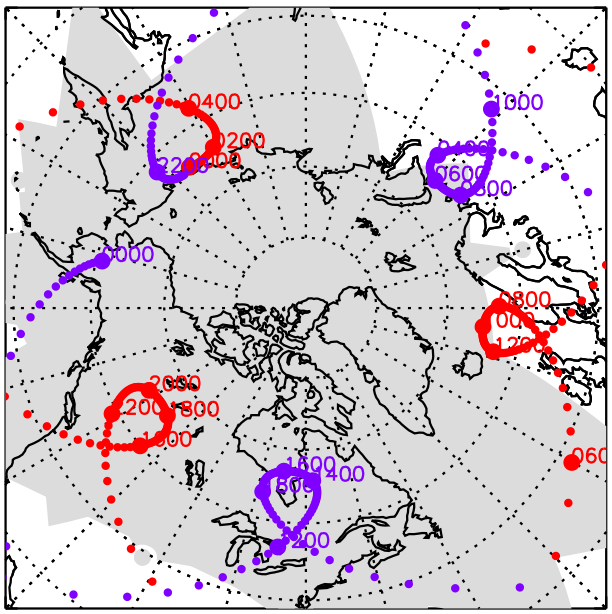


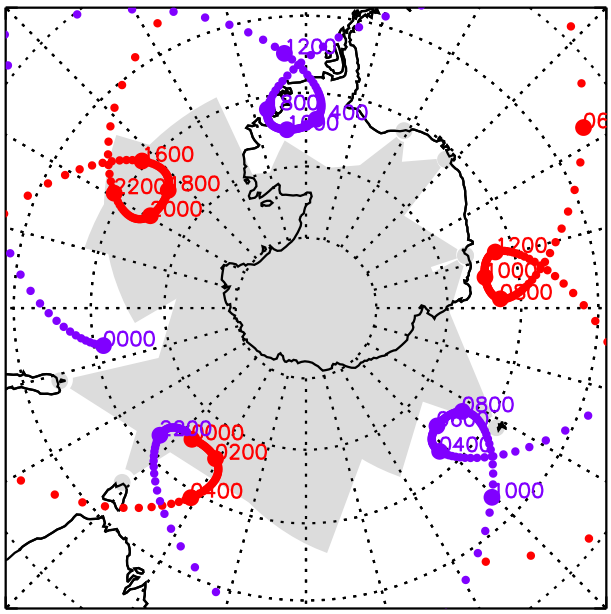


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

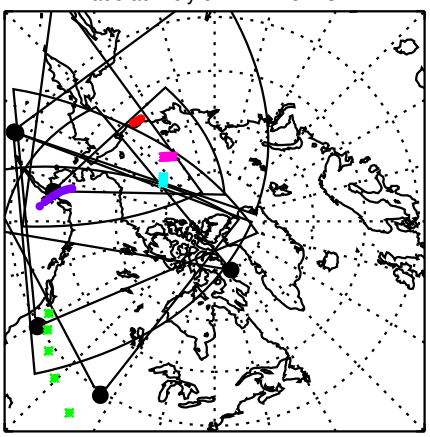
14–Apr–2014

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

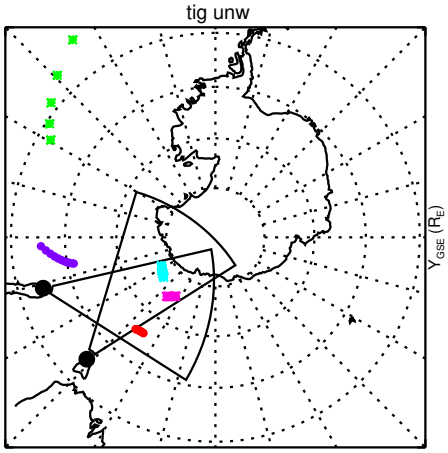


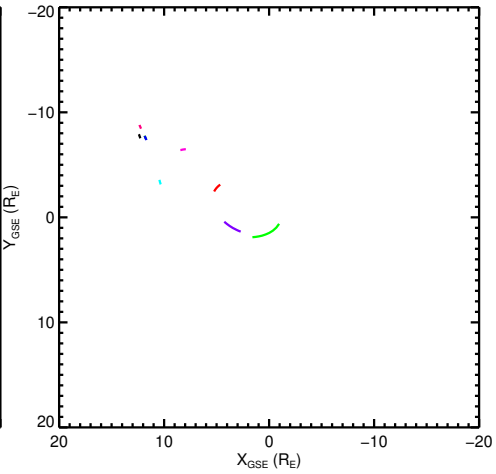


(a) 0000UT to 0050UT
ade adw cly cvw fhw hok ksr

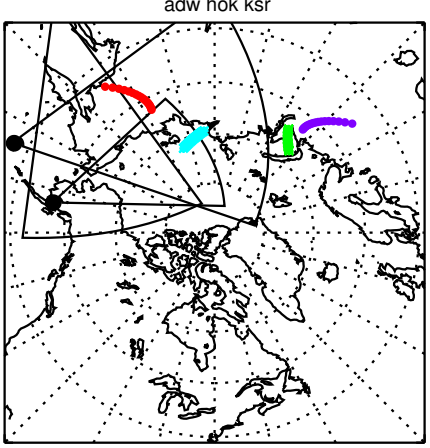


tig unw

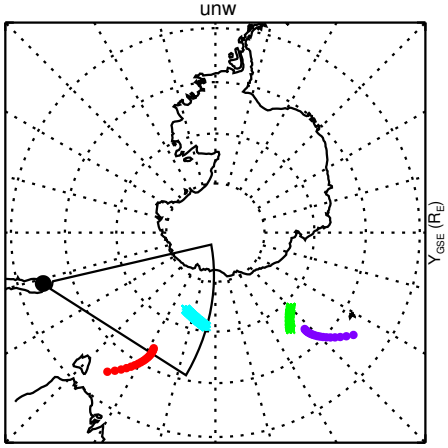


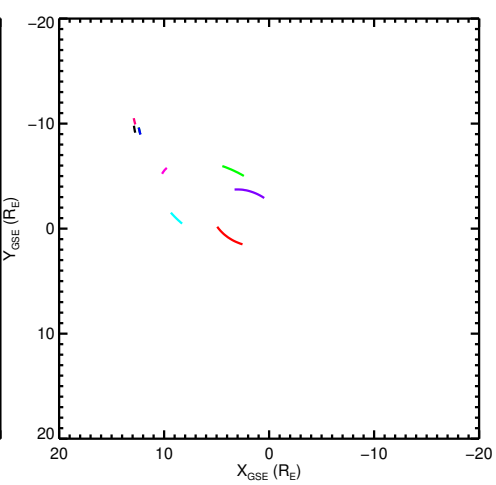



(b) 0255UT to 0425UT
adw hok ksr

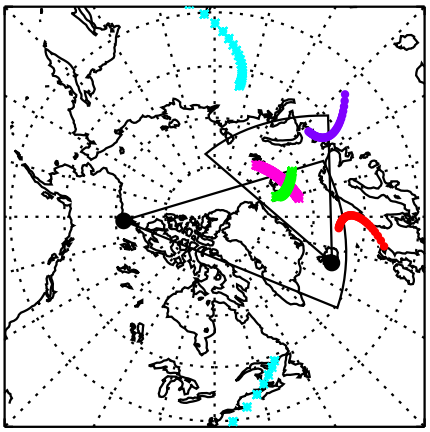


unw

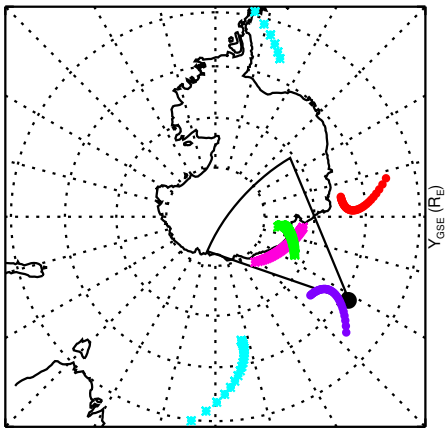


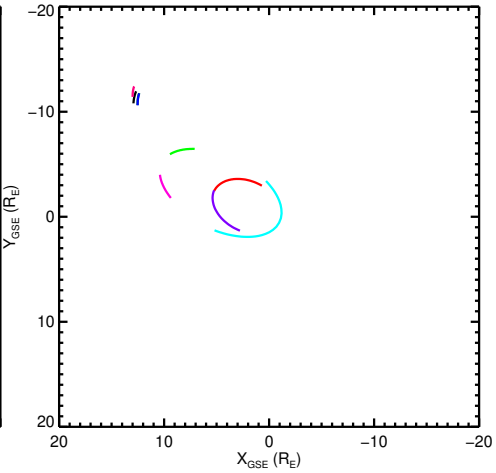


(c) 0630UT to 0950UT
inv pyk

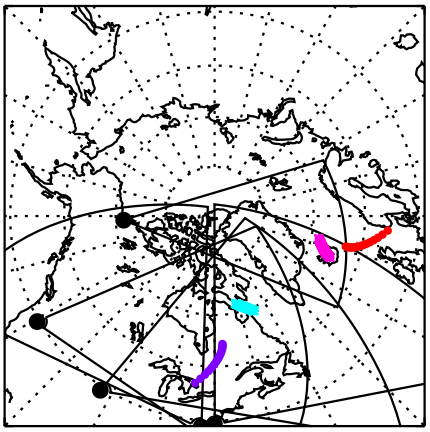


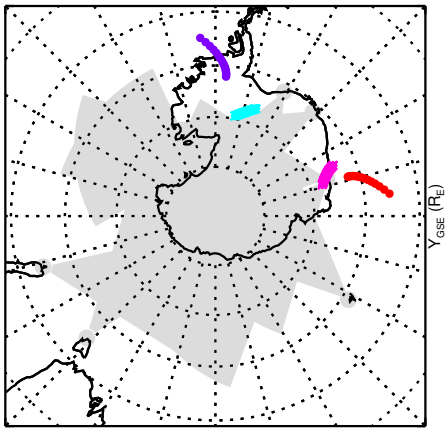
ker

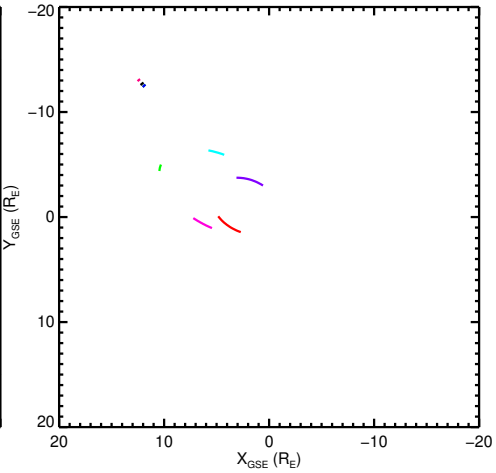




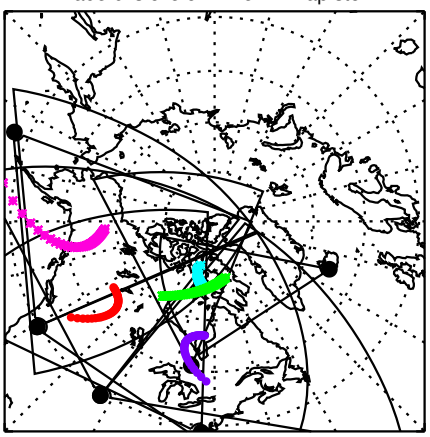

(d) 1200UT to 1320UT
bks cve fhe inv wal



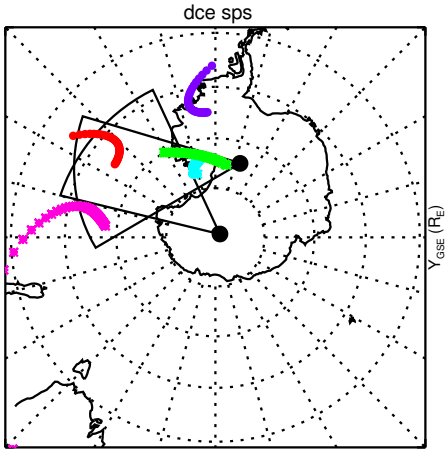


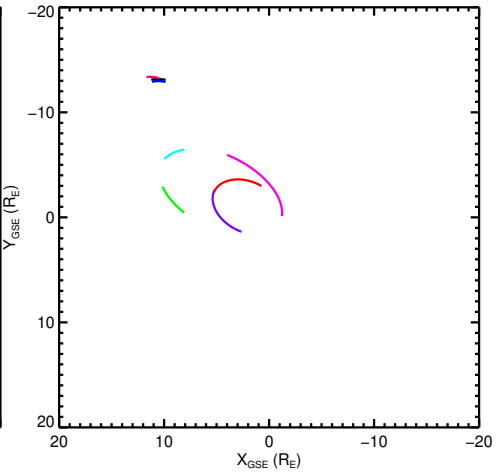



(e) 1530UT to 1855UT
ade bks cve cvw fhe fhw kap sto

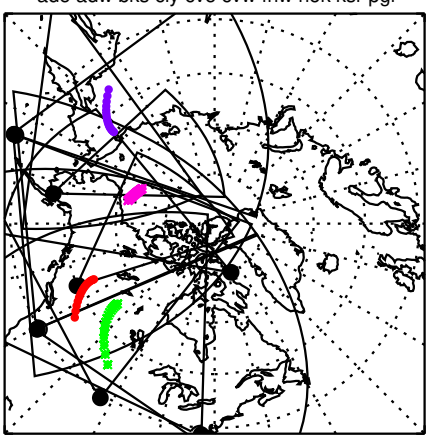


dce sps

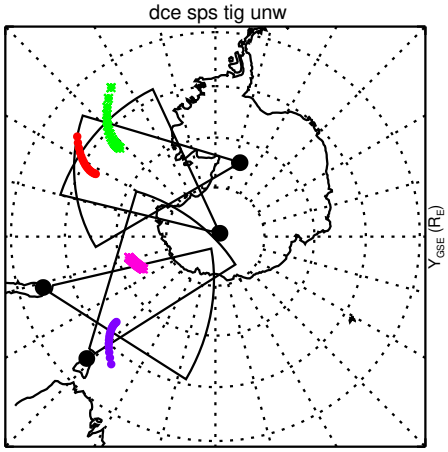


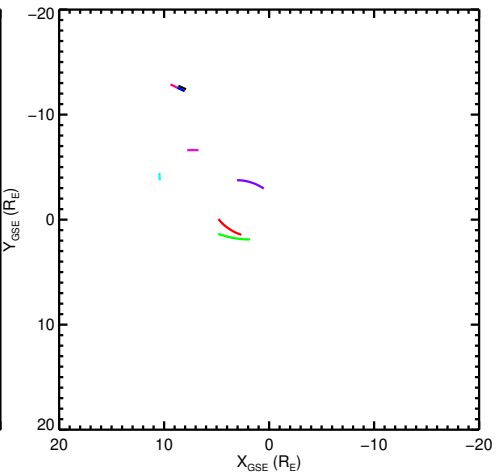



(f) 2100UT to 2220UT
ade adw bks cly cve cvw fhw hok ksr pgr



dce sps tig unw

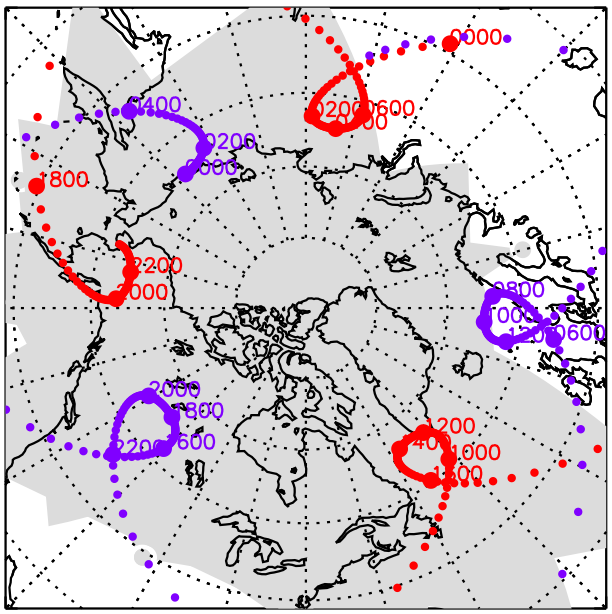


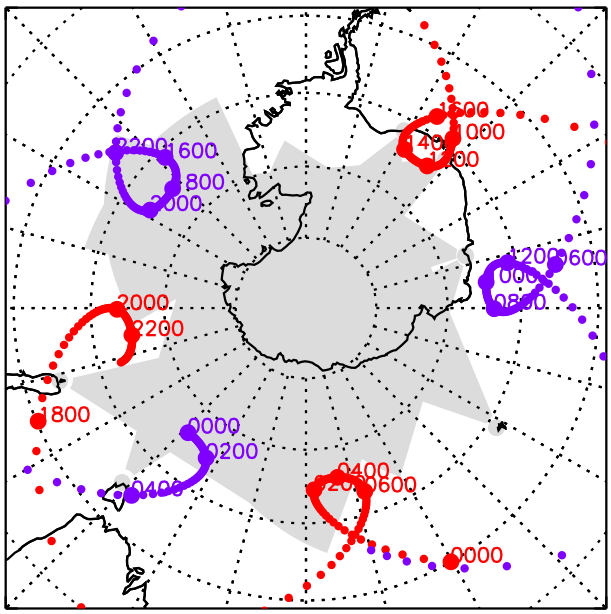


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

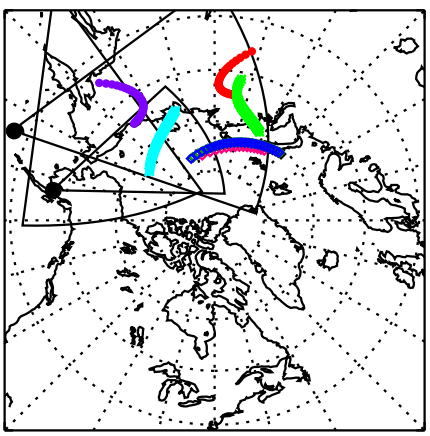
15–Apr–2014

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

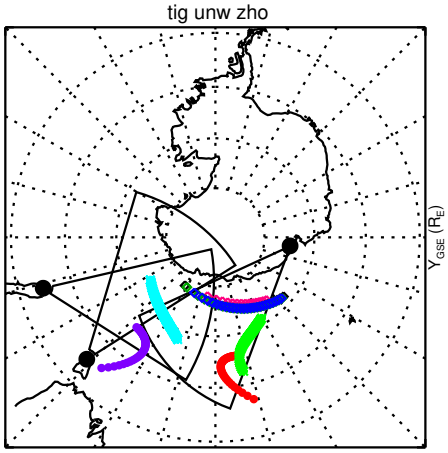


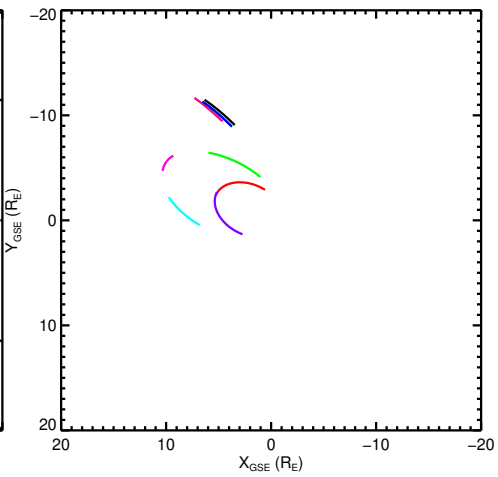


(a) 0025UT to 0355UT
adw hok ksr

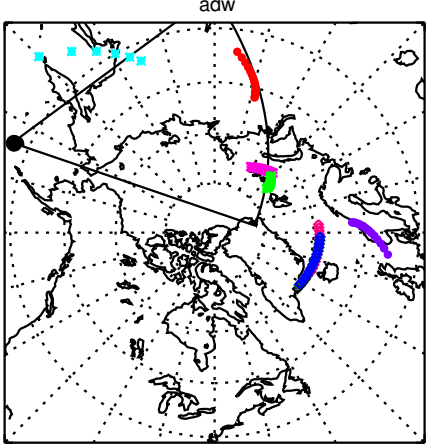


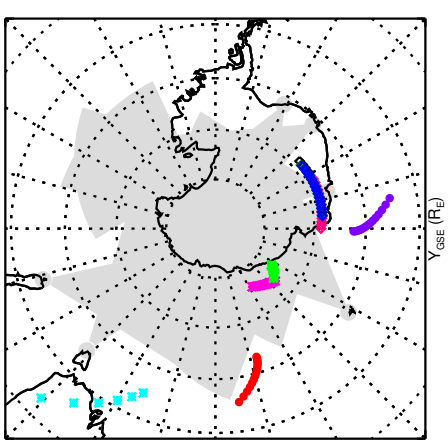
tig unw zho

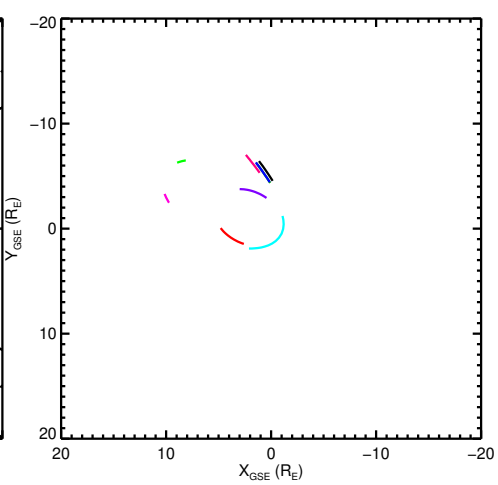




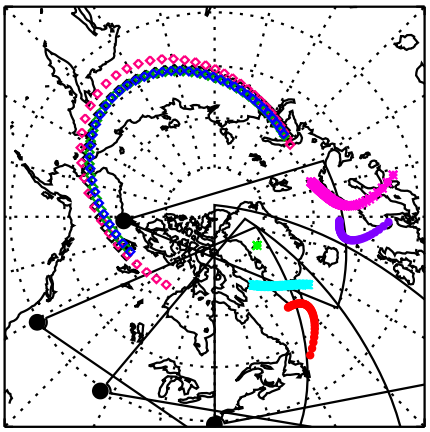

(b) 0600UT to 0720UT
adw



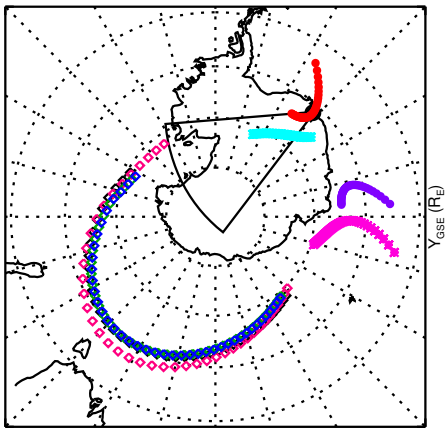


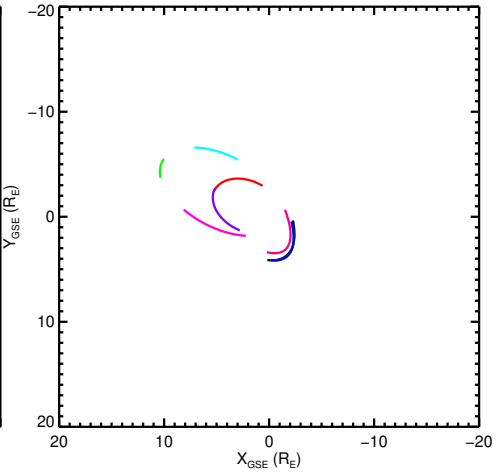


(c) 0925UT to 1255UT
cve fhe inv wal

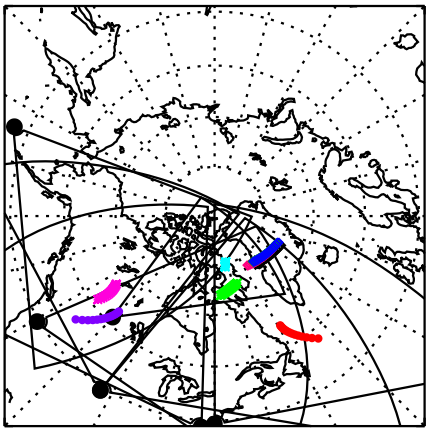


san

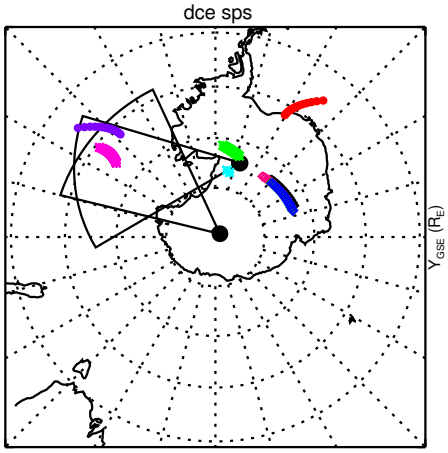


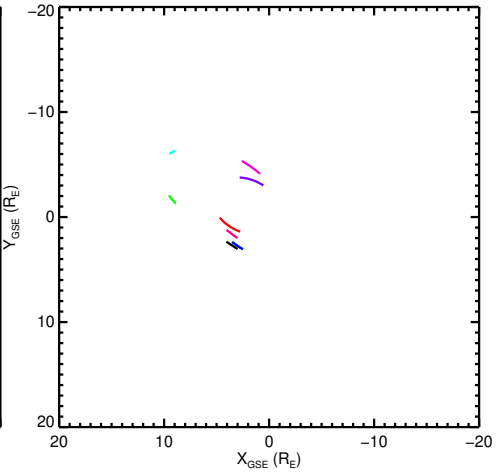



(d) 1505UT to 1615UT
ade bks cve fhe fhw sas wal

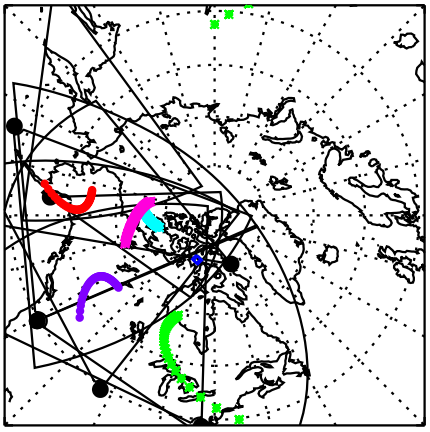


dce sps

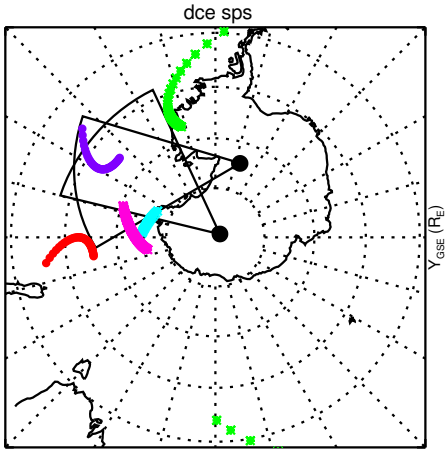


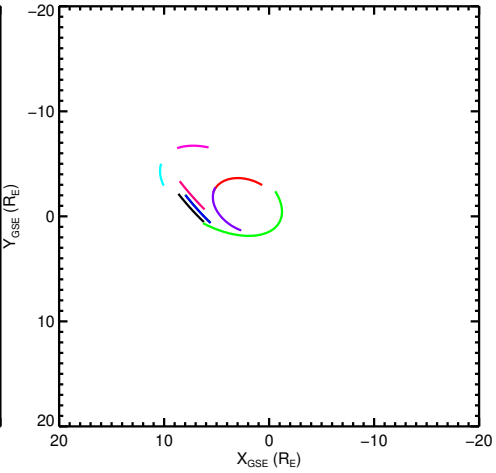



(e) 1825UT to 2200UT
ade bks cly cve cvw fhw hok kod



dce sps

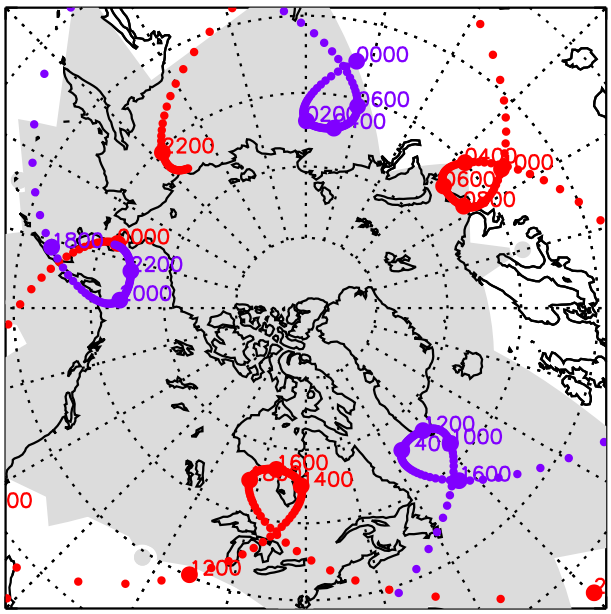


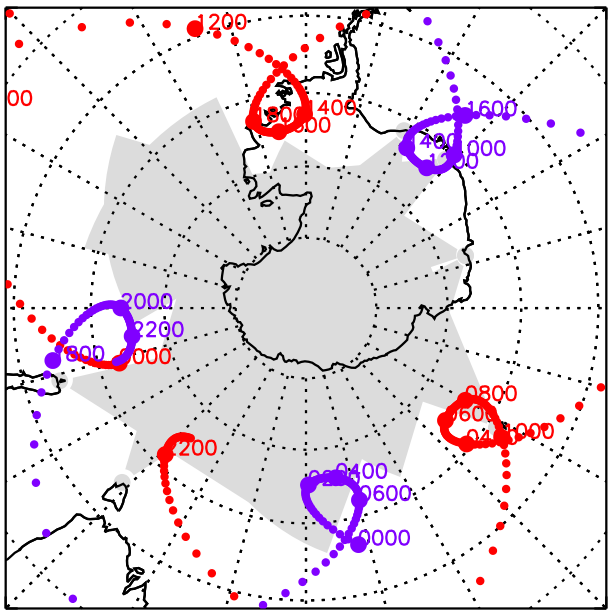


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

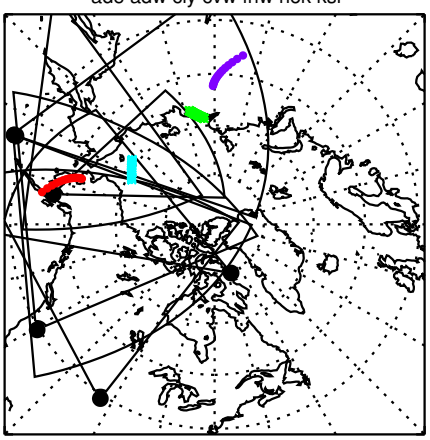
16–Apr–2014

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

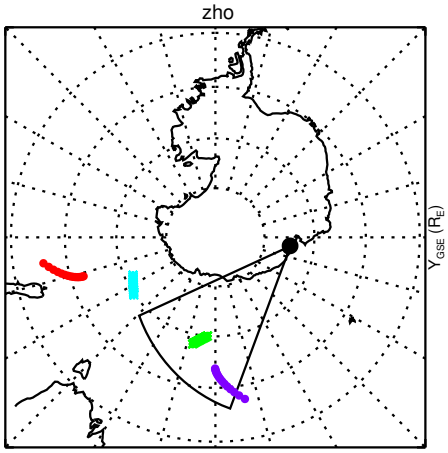


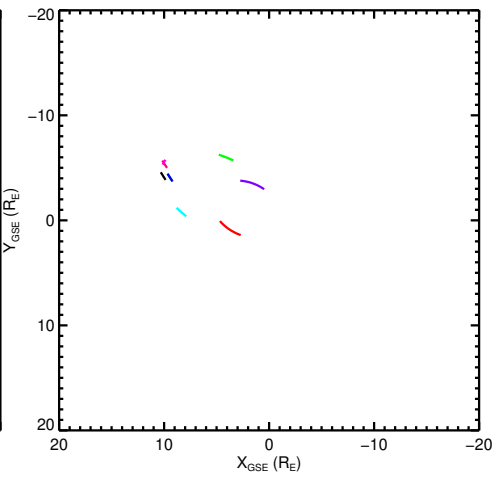


(a) 0005UT to 0115UT
ade adw cly cvw fhw hok ksr

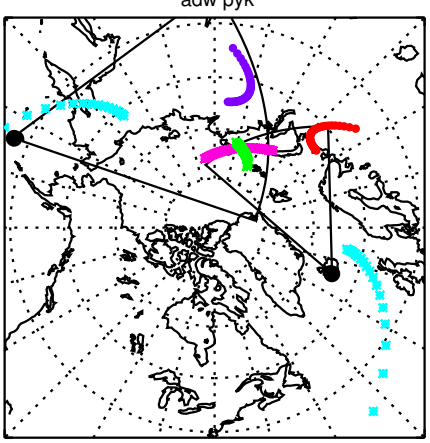


zho

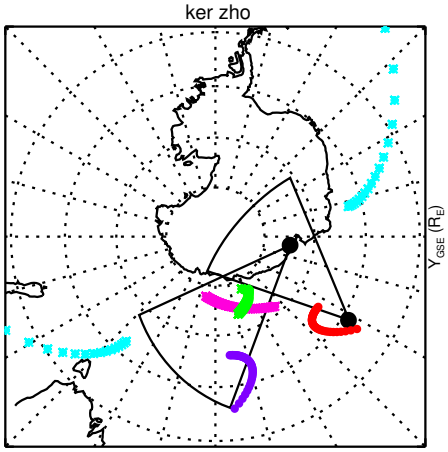


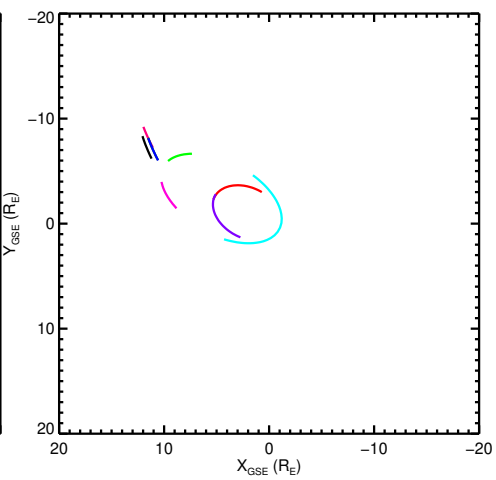



(b) 0325UT to 0700UT
adw pyk

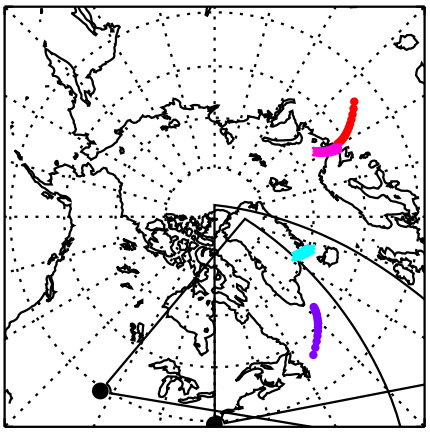


ker zho

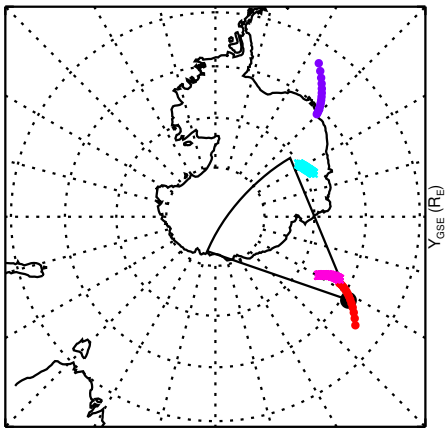


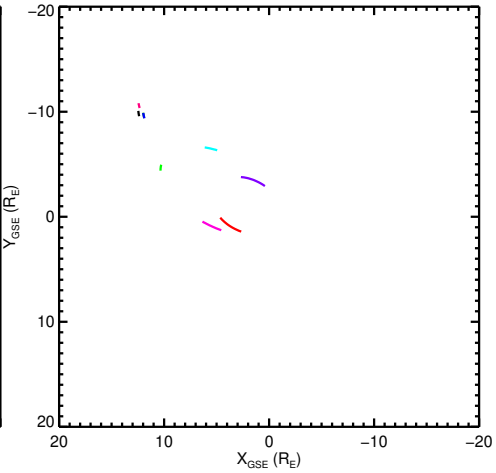


(c) 0905UT to 1015UT
fhe wal

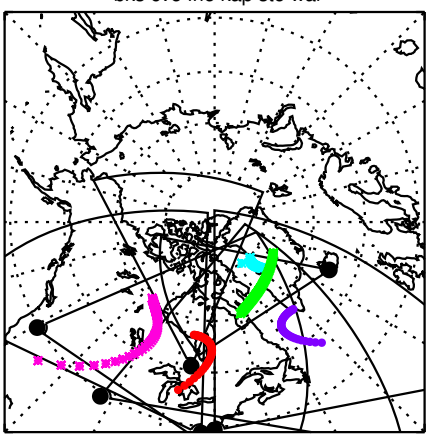


ker

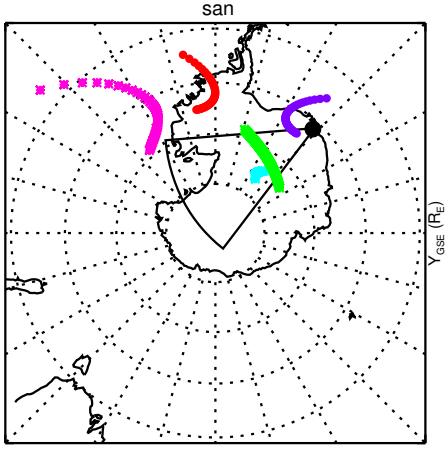


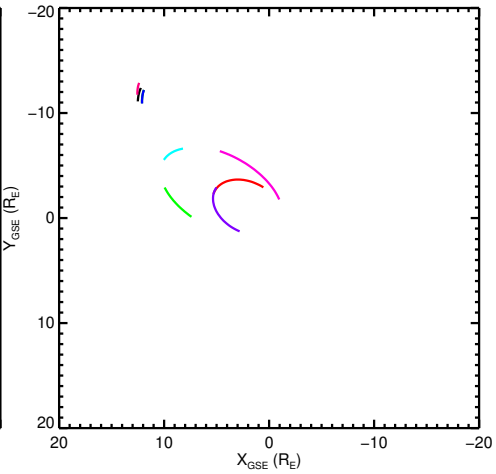



(d) 1220UT to 1600UT
bks cve fhe kap sto wal

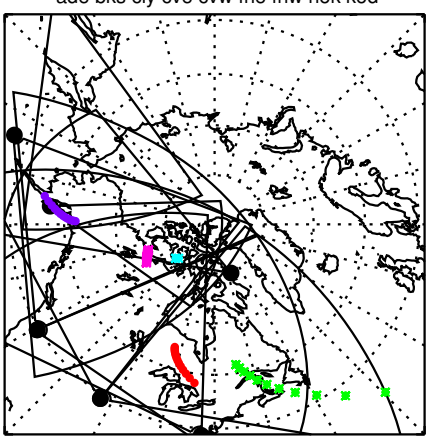


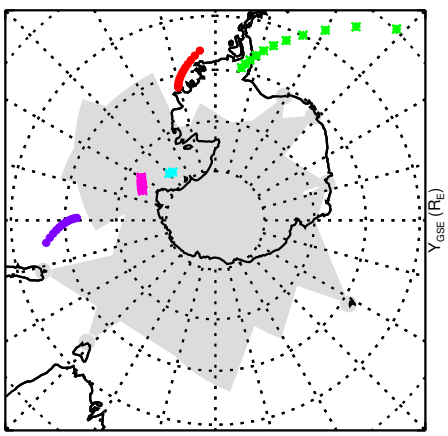
san

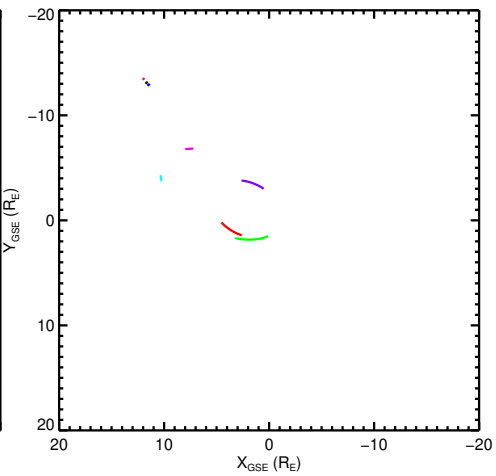




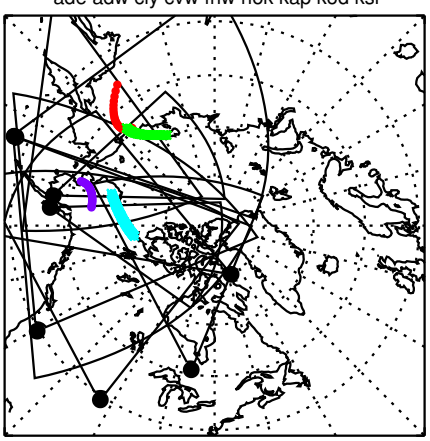

(e) 1810UT to 1915UT
ade bks cly cve cvw fhe fhw hok kod



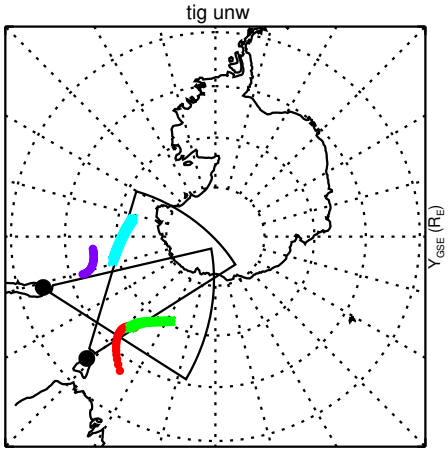


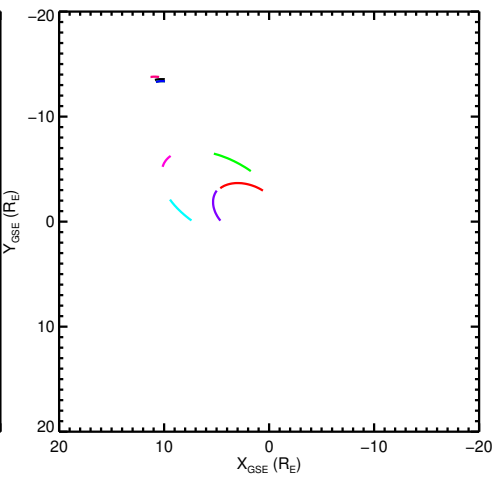



(f) 2120UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr



tig unw

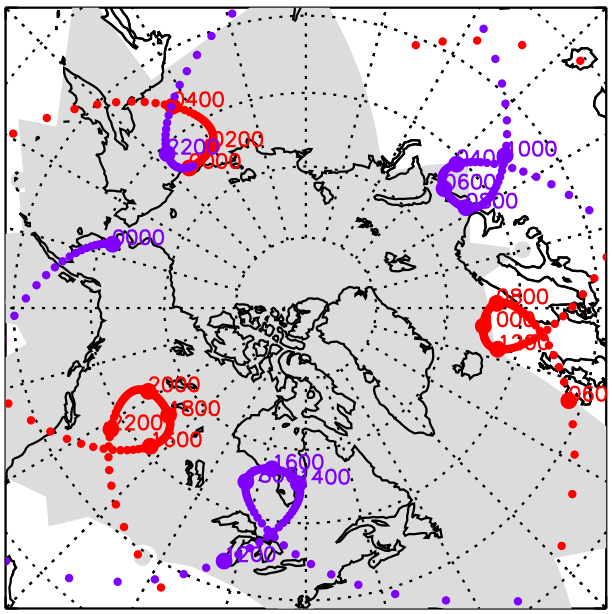


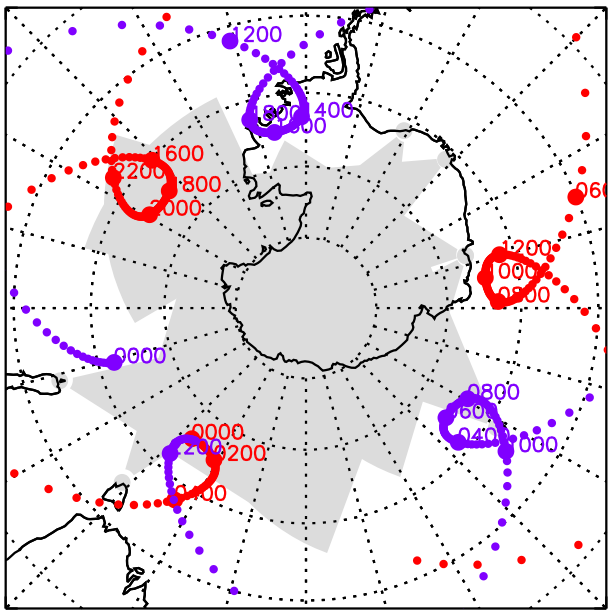


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

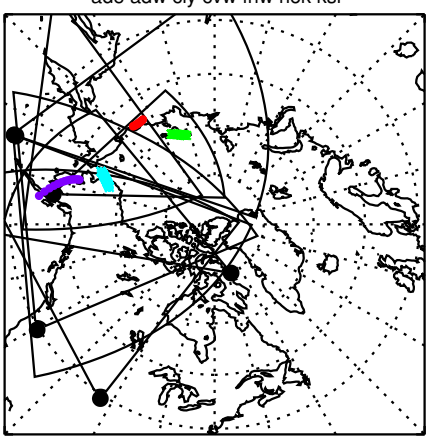
17−Apr−2014

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

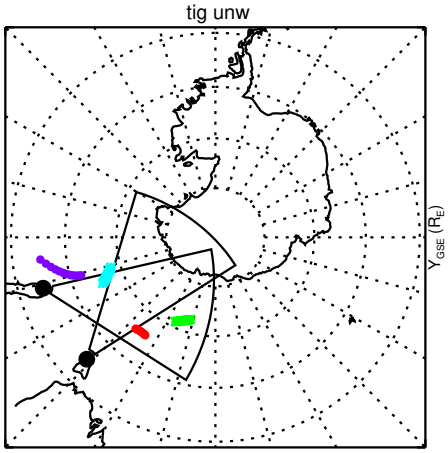


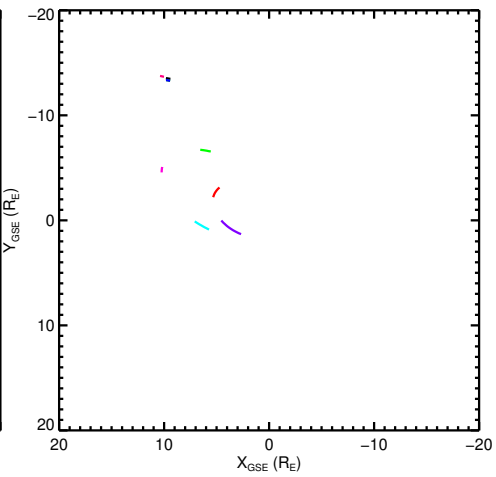


(a) 0000UT to 0105UT
ade adw cly cvw fhw hok ksr

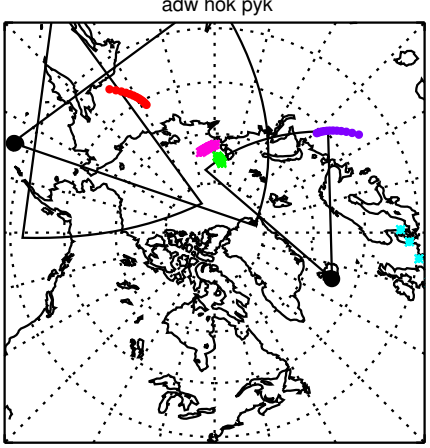


tig unw

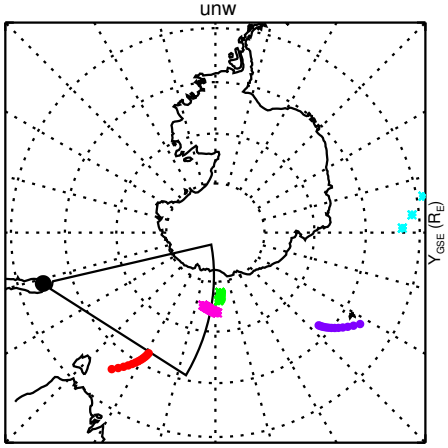


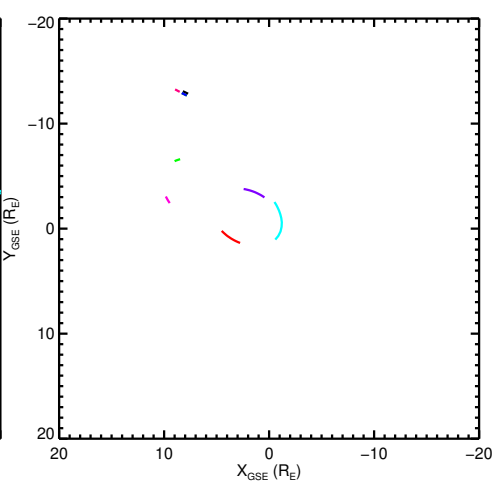



(b) 0310UT to 0410UT
adw hok pyk

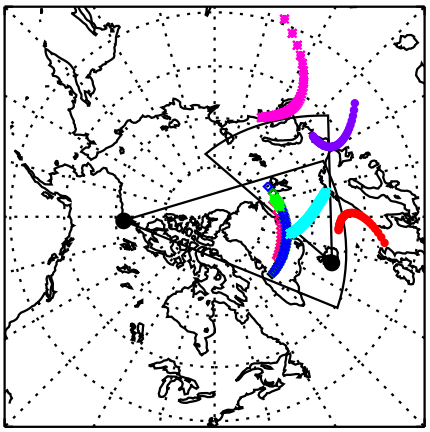


unw





(c) 0620UT to 1005UT
inv pyk



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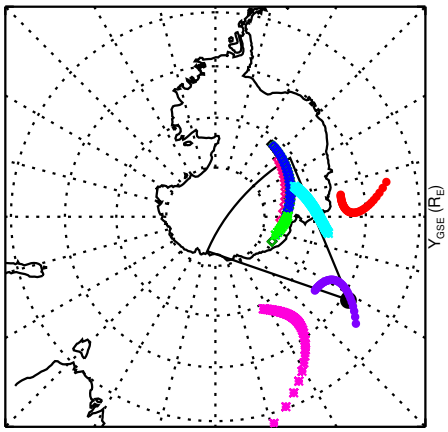
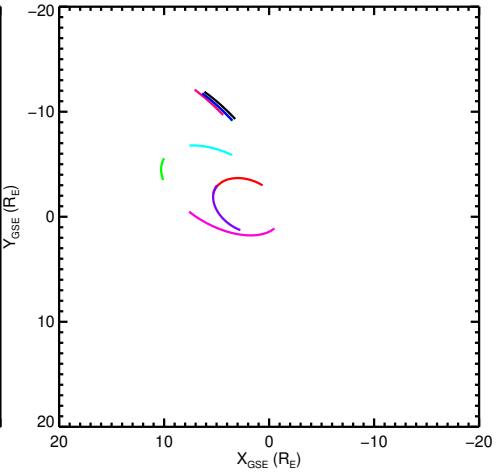
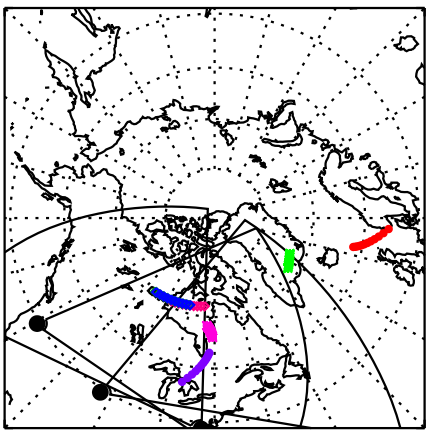
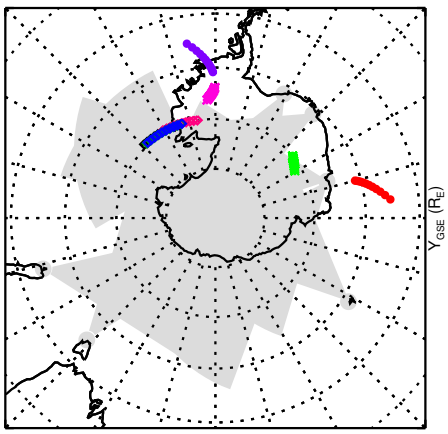
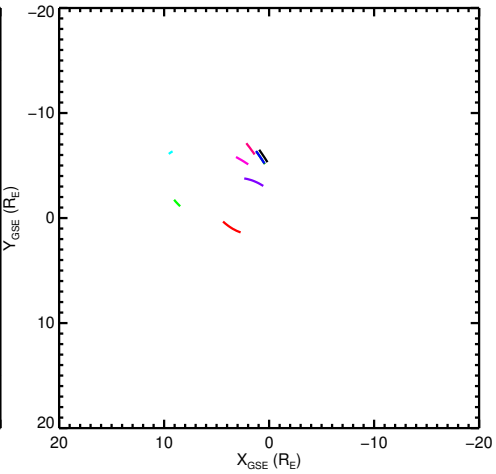




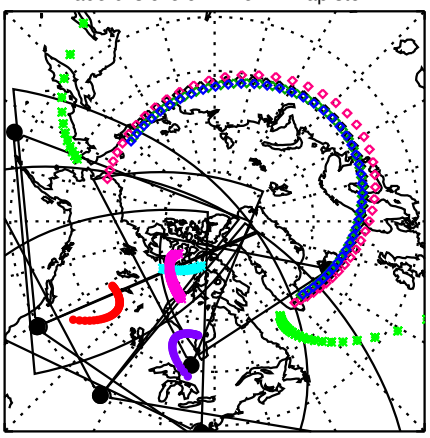

(d) 1215UT to 1310UT
bks cve fhe



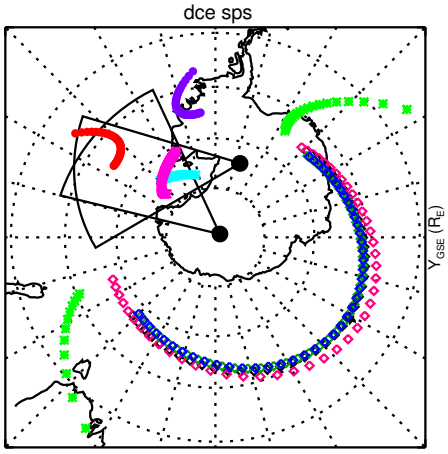


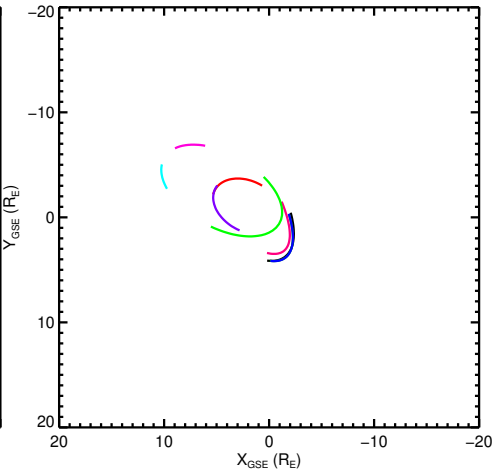



(e) 1520UT to 1905UT
ade bks cve cvw fhe fhw kap sto

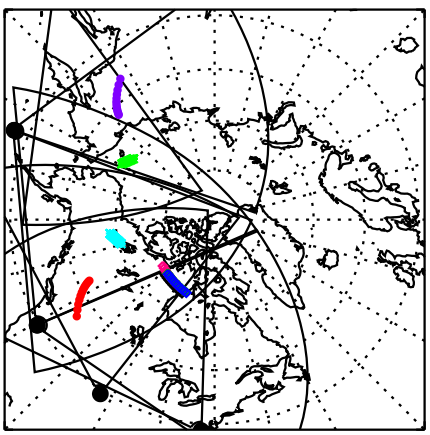


dce sps

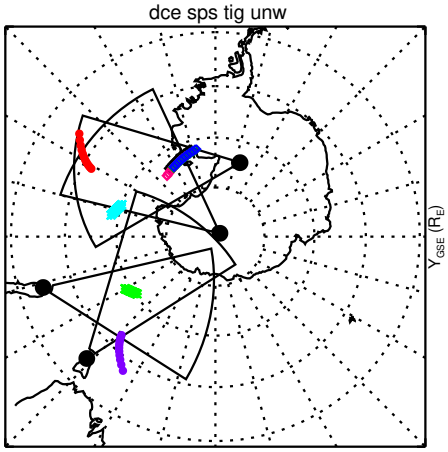


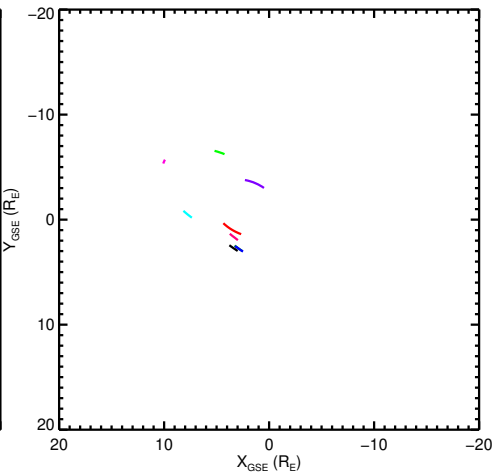



(f) 2115UT to 2210UT
ade adw bks cve cvw fhw hok



dce sps tig unw

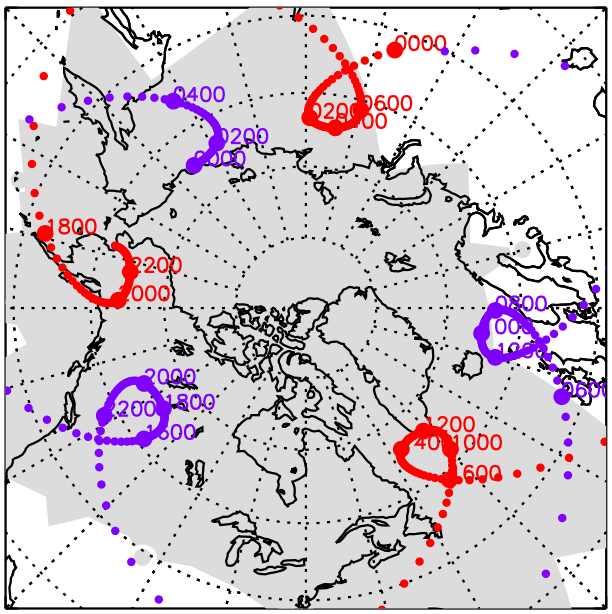


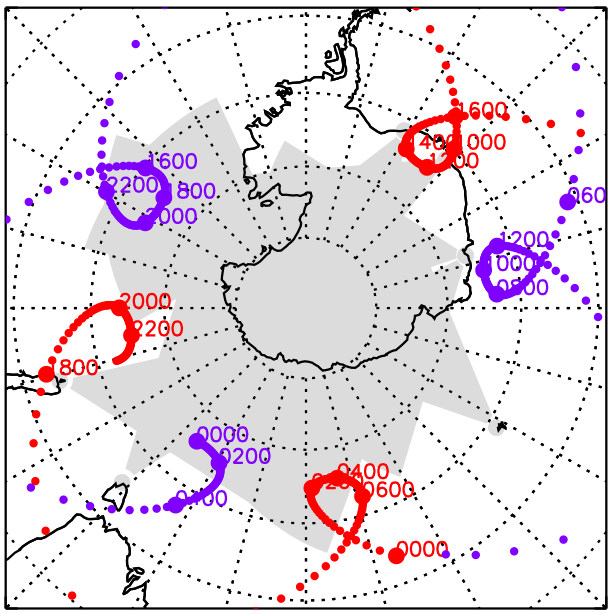


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

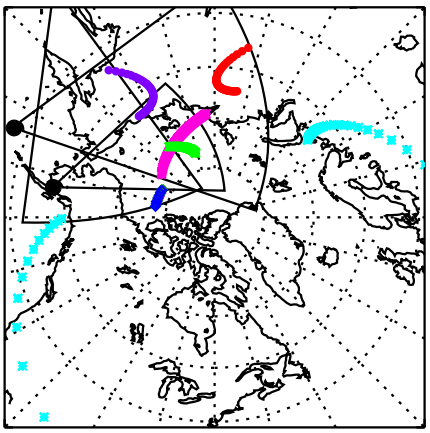
18–Apr–2014

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

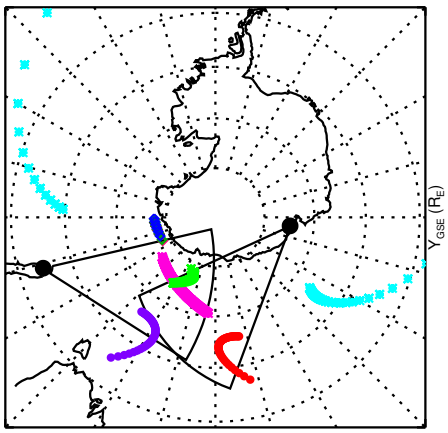


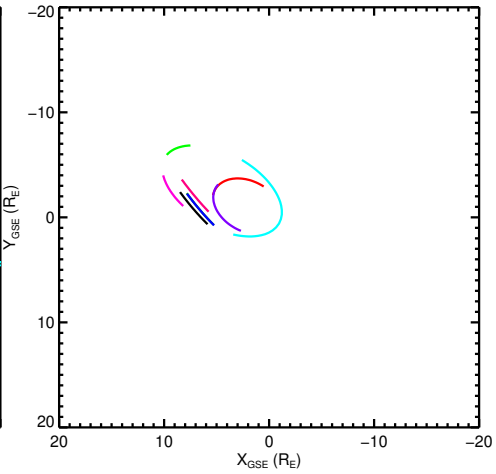


(a) 0015UT to 0410UT
adw hok ksr

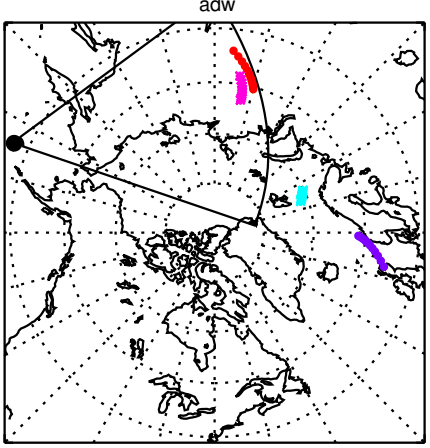


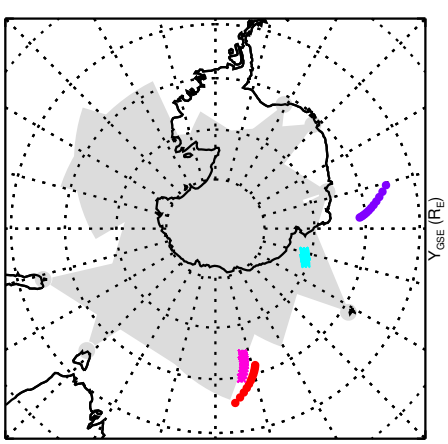
unw zho

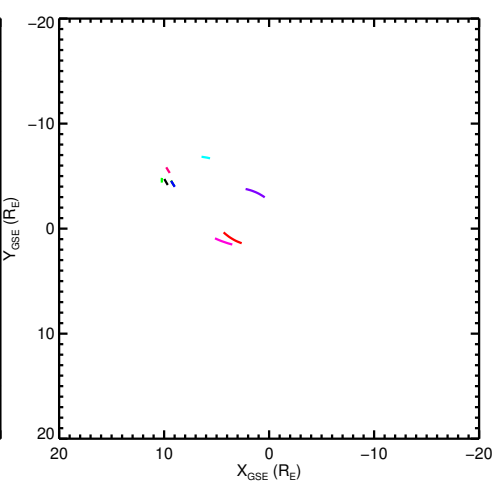




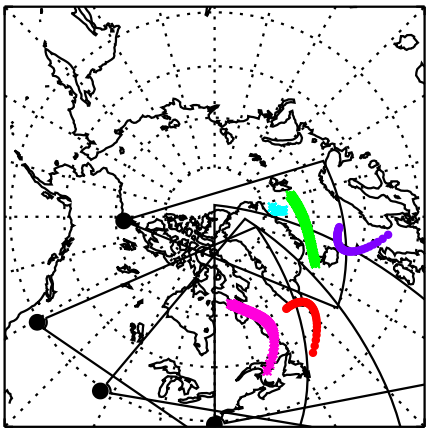

(b) 0615UT to 0710UT
adw



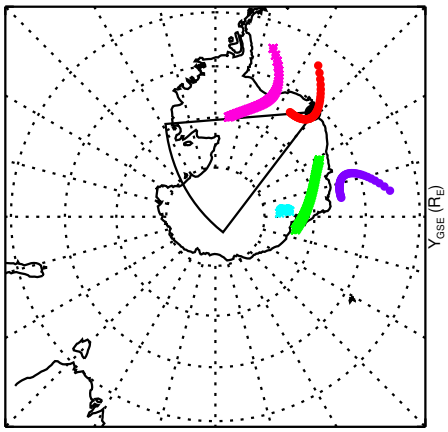


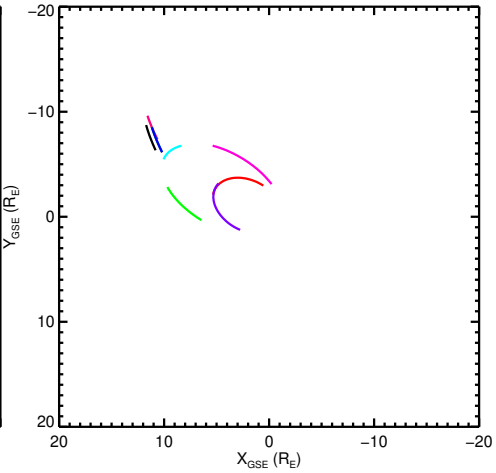


(c) 0915UT to 1310UT
cve fhe inv wal

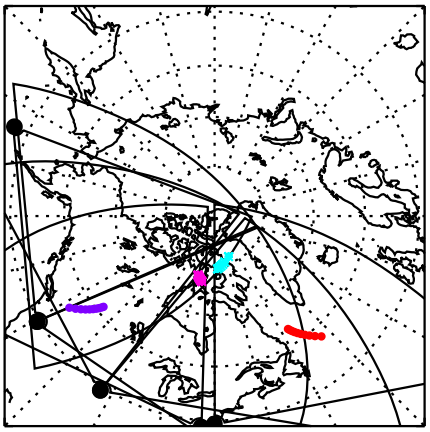


san

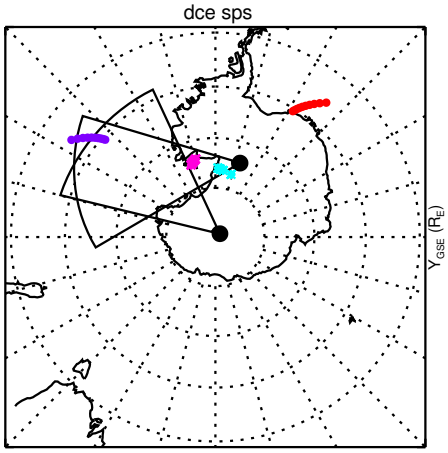


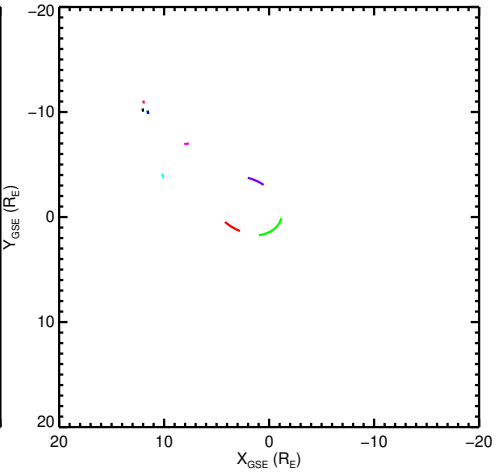



(d) 1520UT to 1605UT
ade bks cve cvw fhe fhw wal

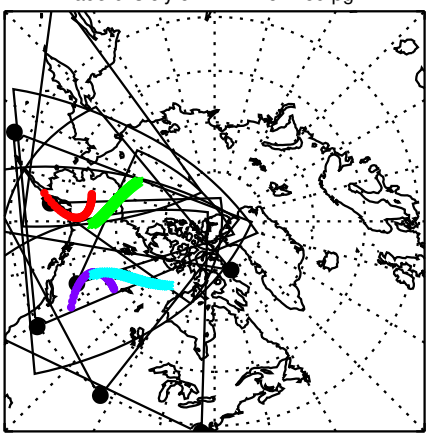


dce sps

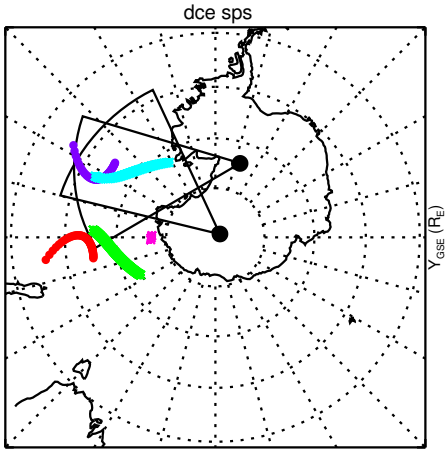


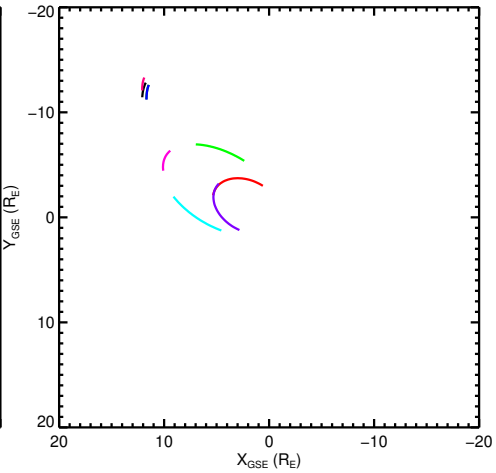



(e) 1815UT to 2210UT
ade bks cly cvw fhw hok kod pgr



dce sps

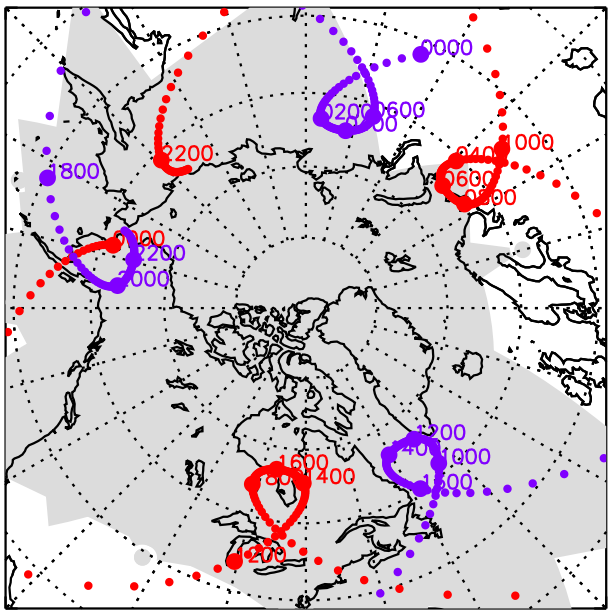


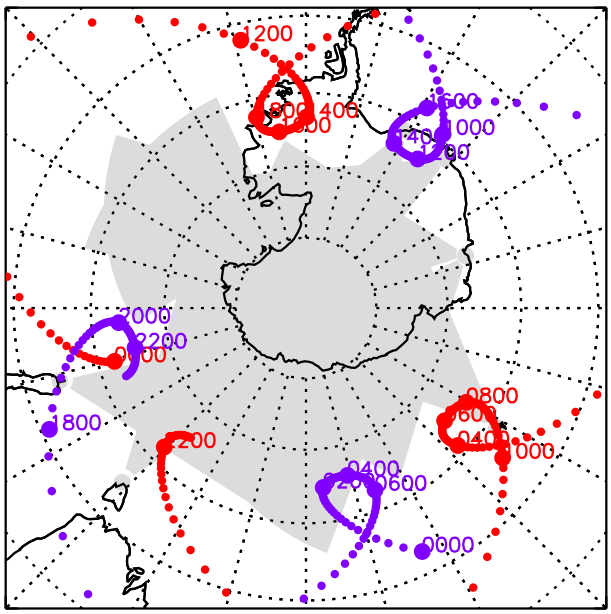


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

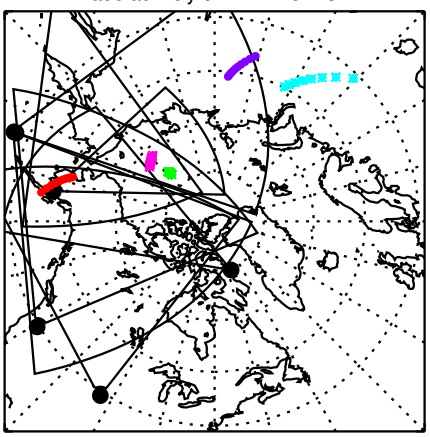
19–Apr–2014

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

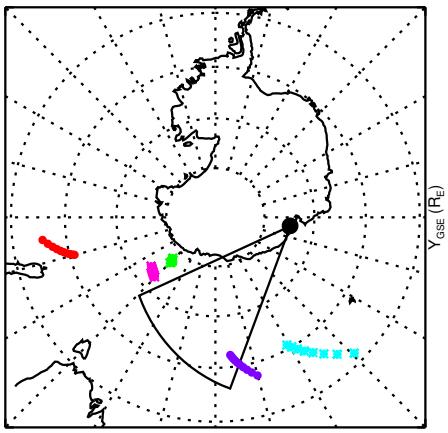


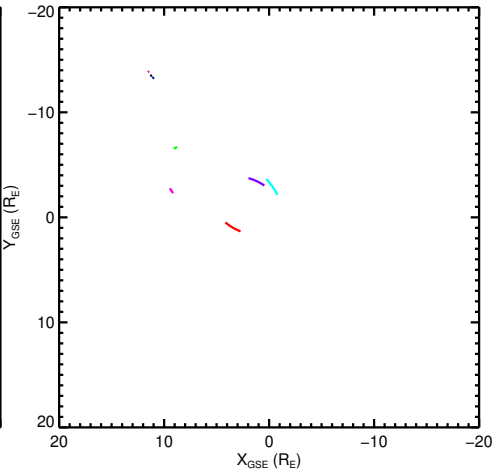




(a) 0020UT to 0105UT
ade adw cly cvw fhw hok ksr

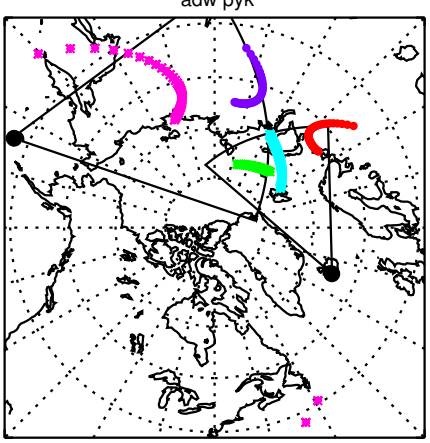


zho

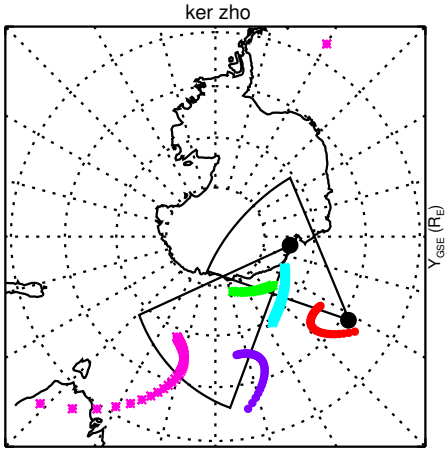


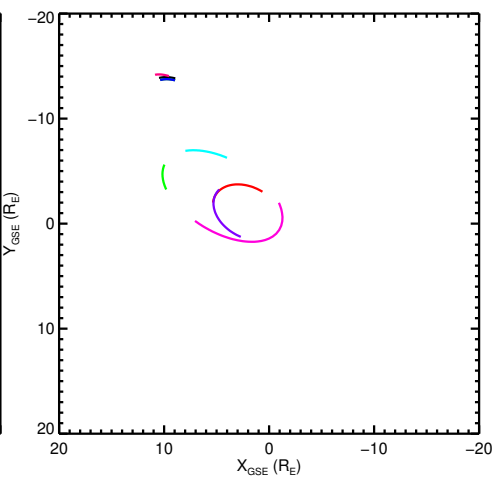



(b) 0315UT to 0715UT
adw pyk

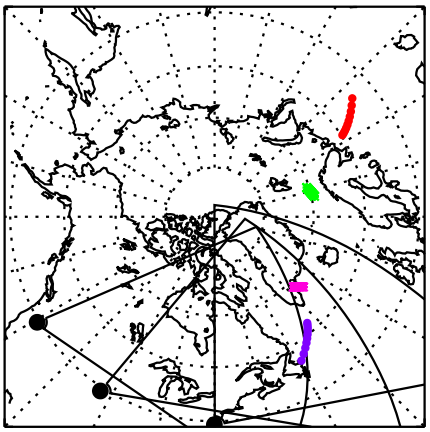


ker zho

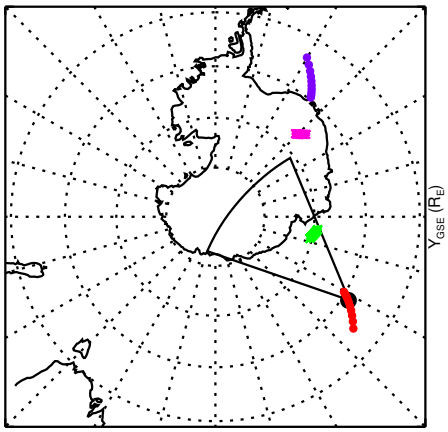


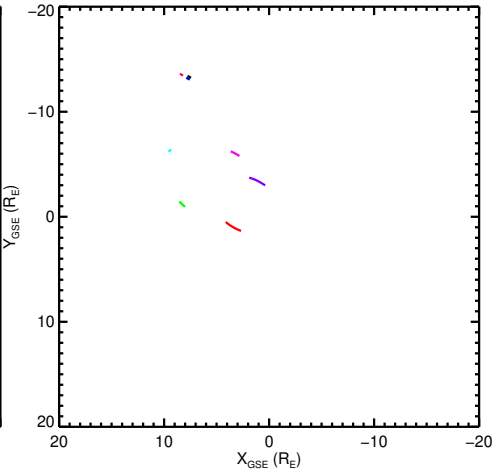


(c) 0920UT to 1005UT
cve fhe wal

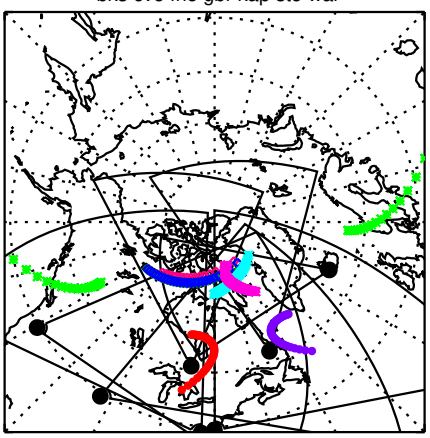


ker

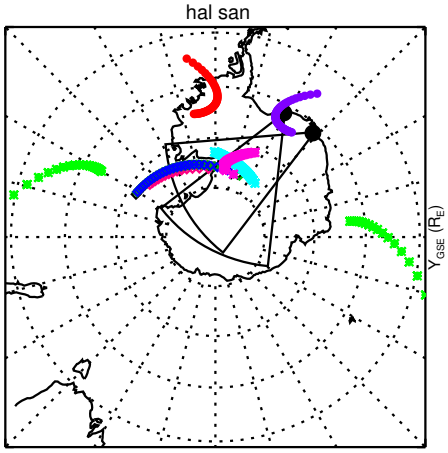


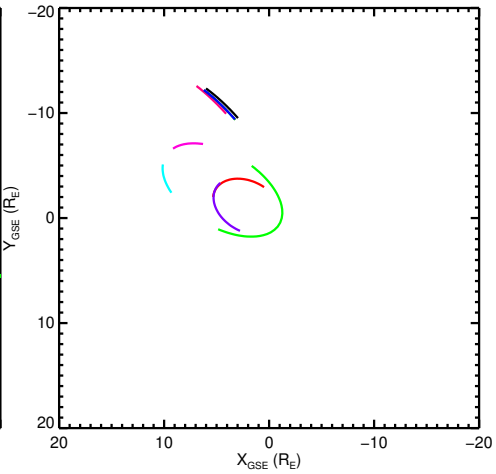



(d) 1210UT to 1615UT
bks cve fhe gbr kap sto wal

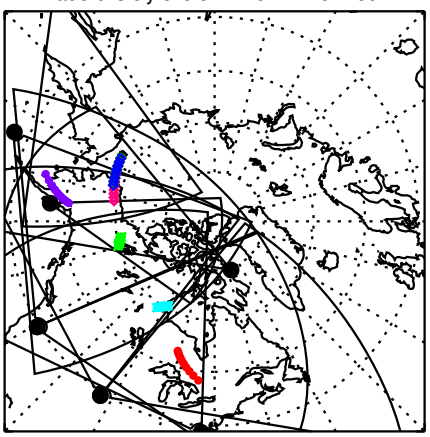


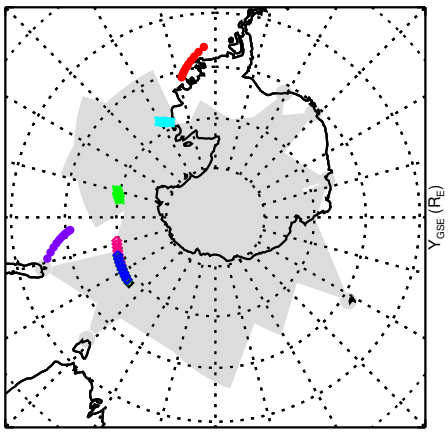
hal san

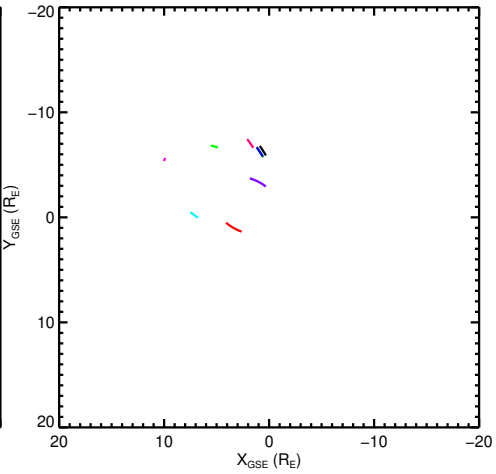




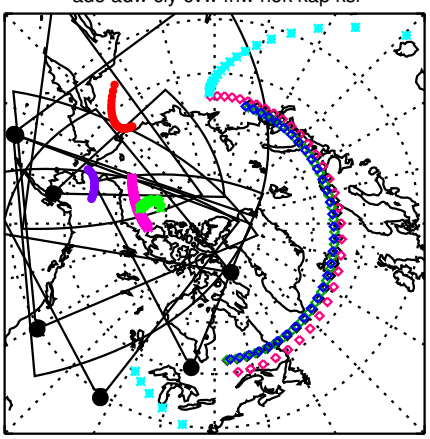

(e) 1820UT to 1905UT
ade bks cly cve cvw fhe fhw hok kod



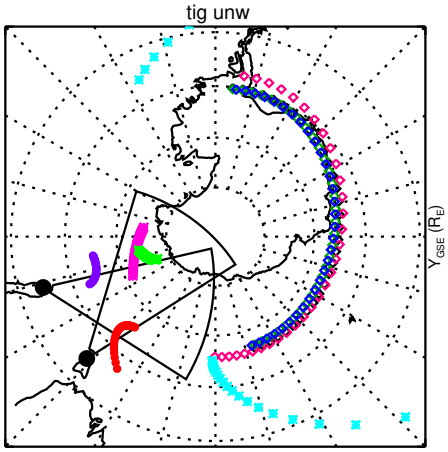


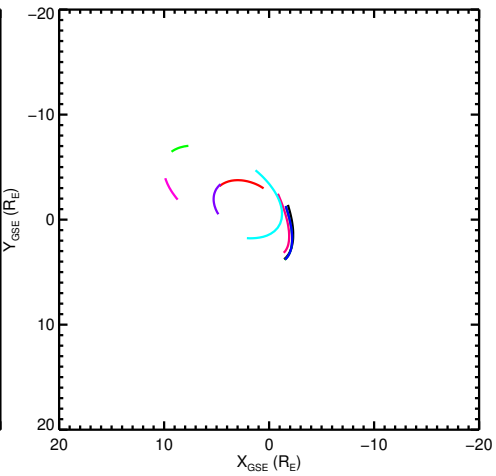



(f) 2110UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

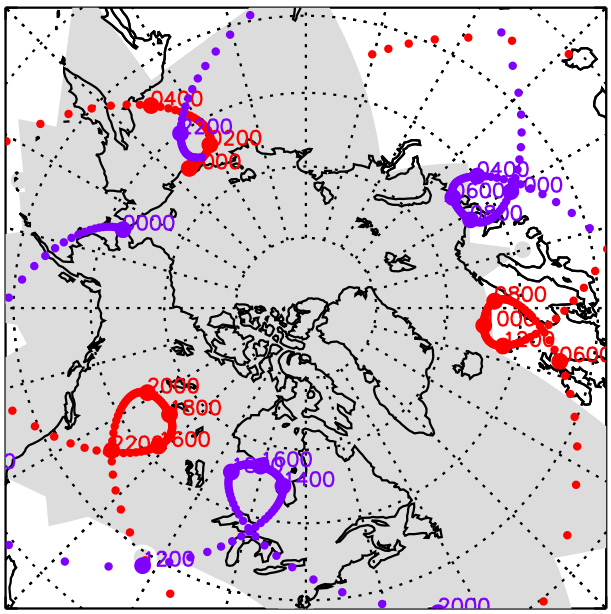


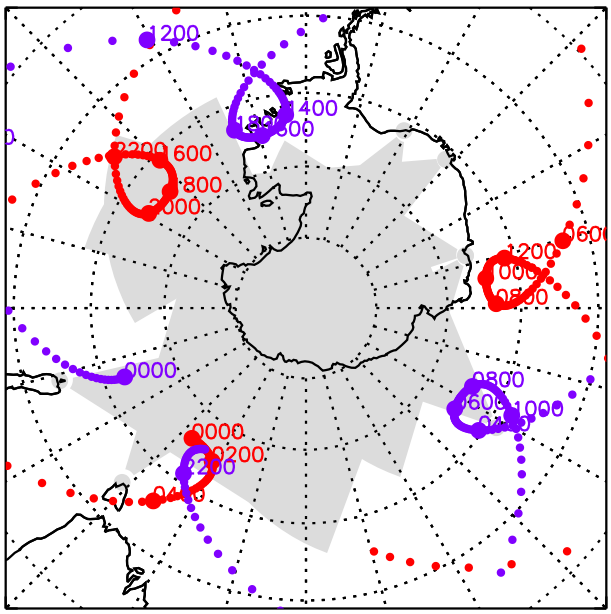


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

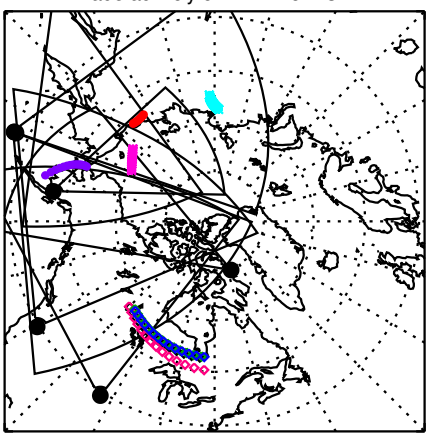
20−Apr−2014

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

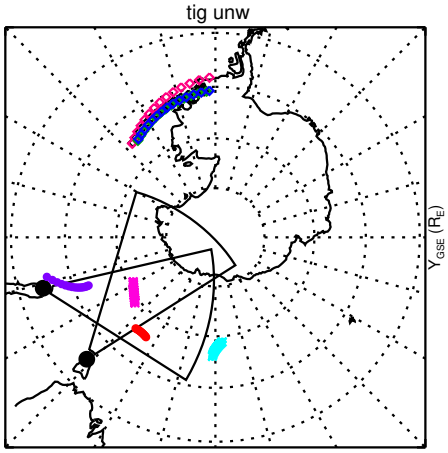


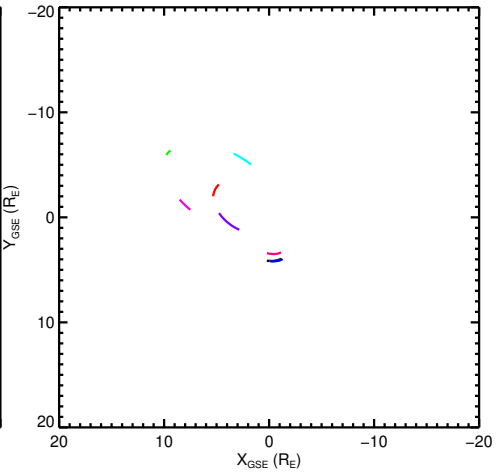


(a) 0000UT to 0115UT
ade adw cly cvw fhw hok ksr

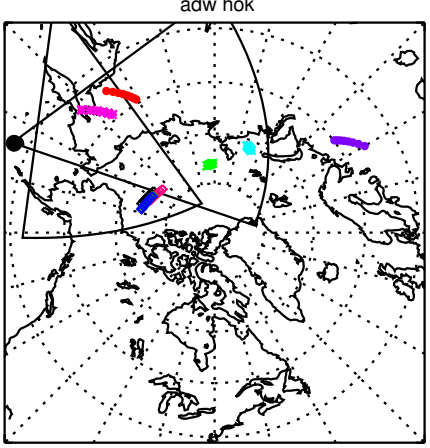


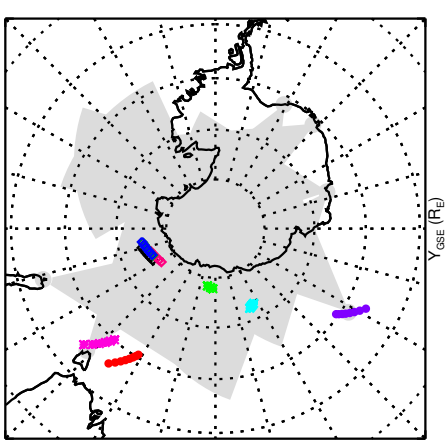
tig unw

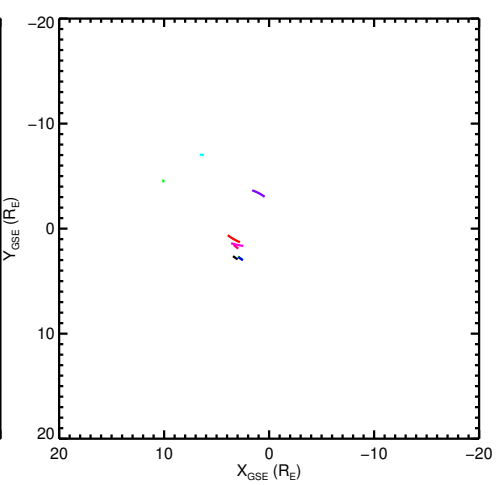




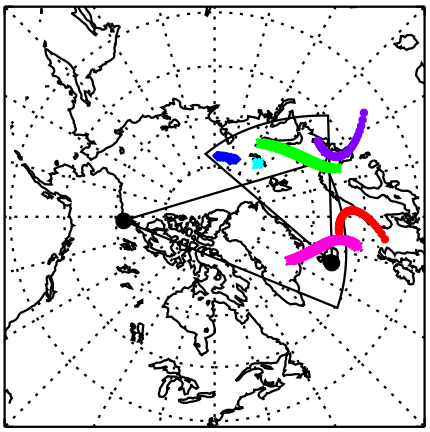

(b) 0325UT to 0400UT
adw hok



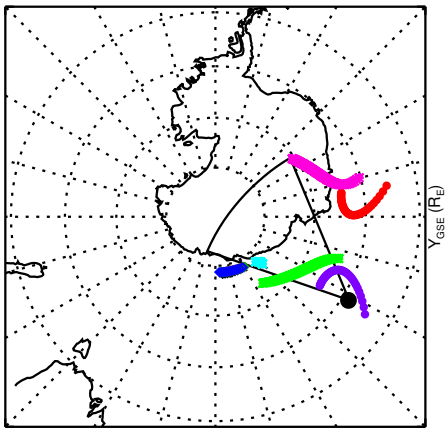


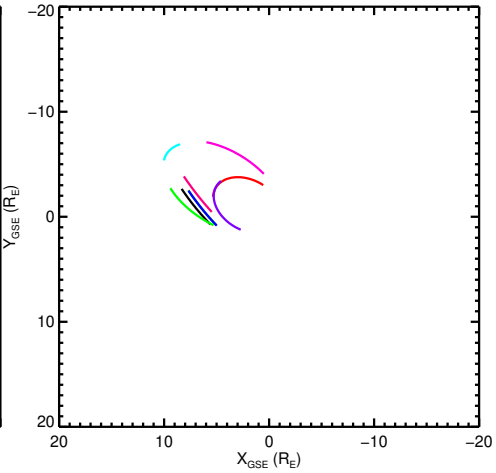


(c) 0610UT to 1020UT
inv pyk

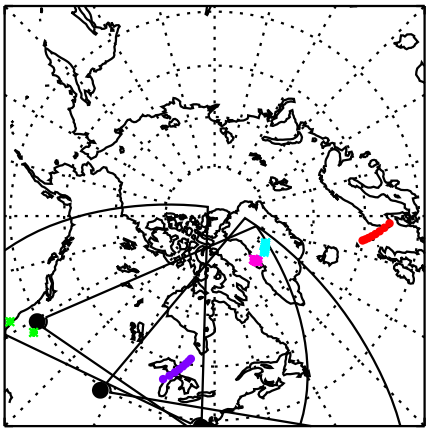


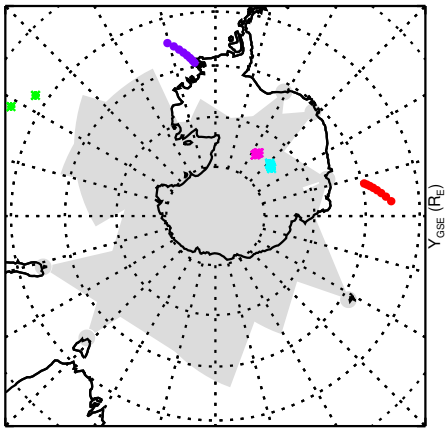
ker

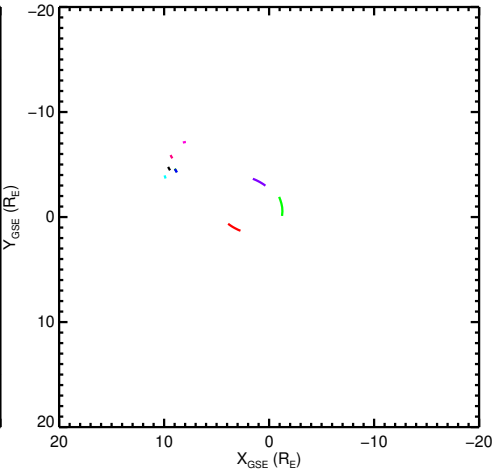




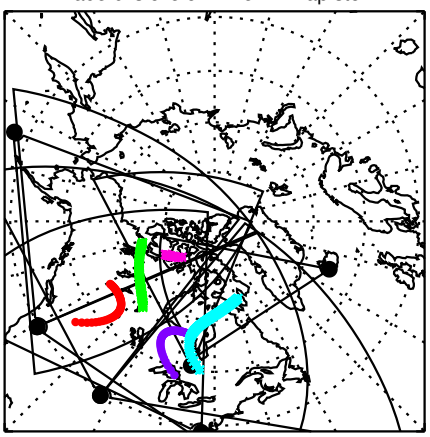

(d) 1225UT to 1300UT
bks cve fhe



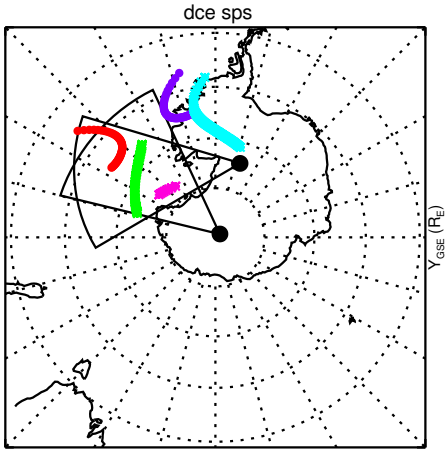


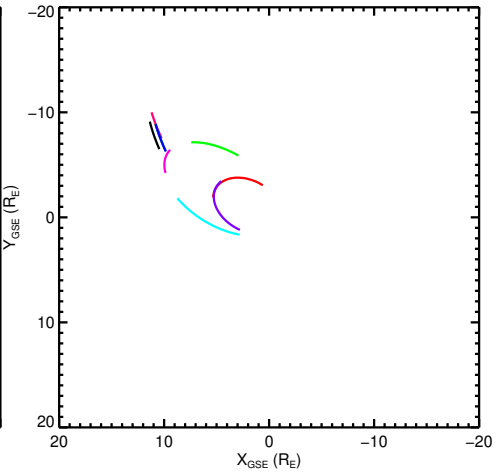



(e) 1510UT to 1920UT
ade bks cve cvw fhe fhw kap sto

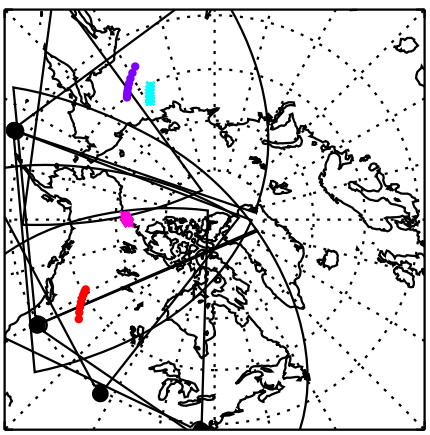


dce sps

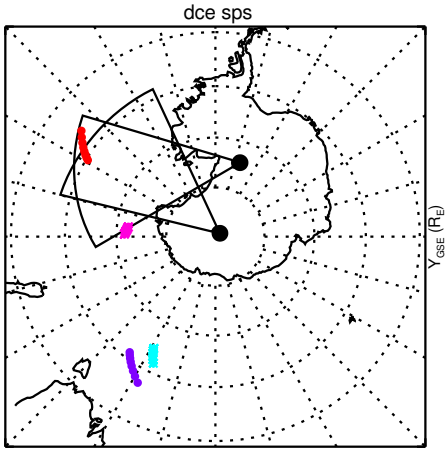


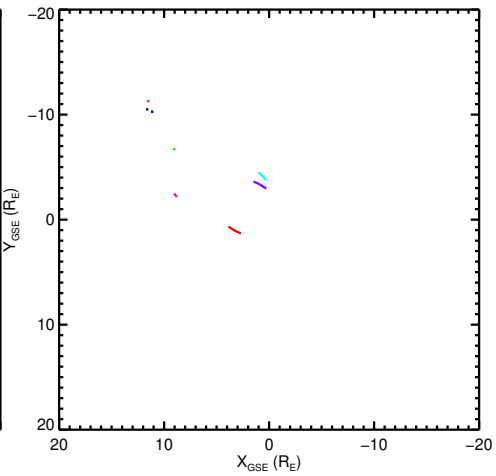



(f) 2125UT to 2200UT
ade adw bks cve cvw fhw hok



dce sps

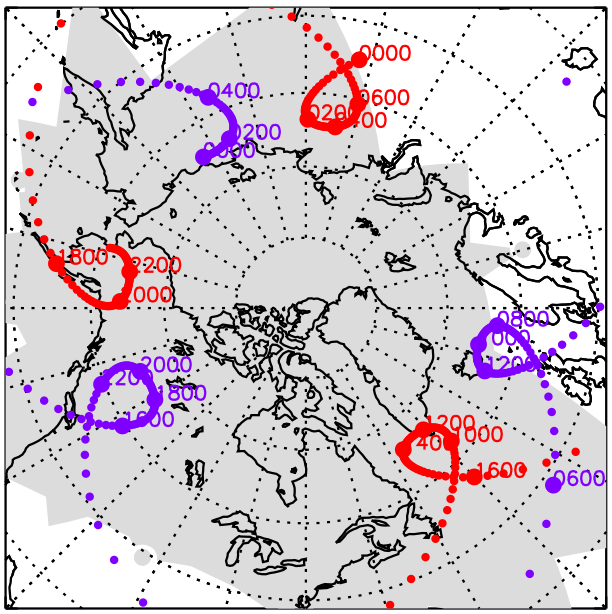


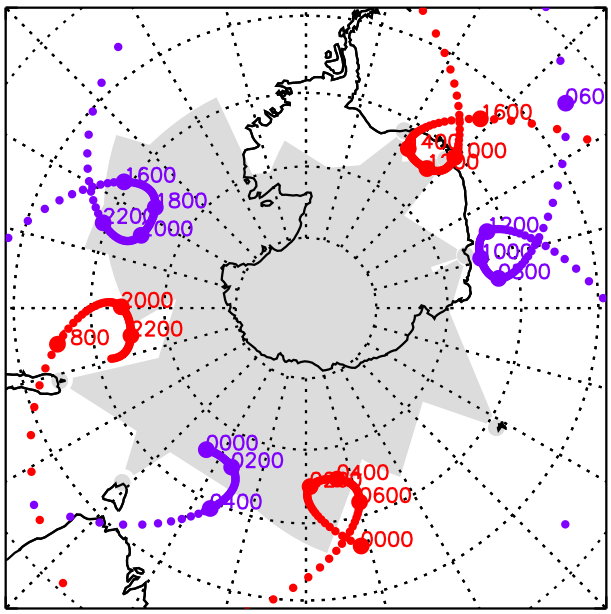


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

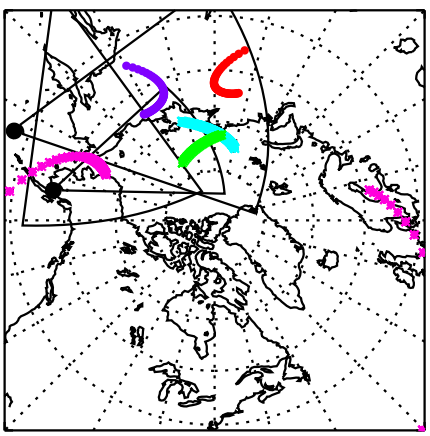
21−Apr−2014

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

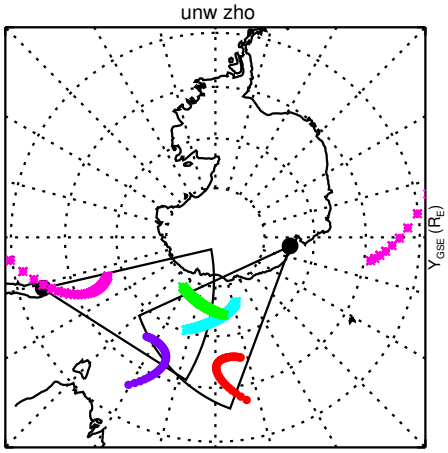


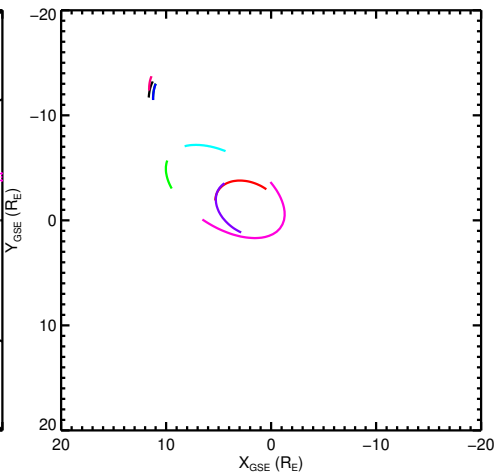


(a) 0005UT to 0420UT
adw hok ksr

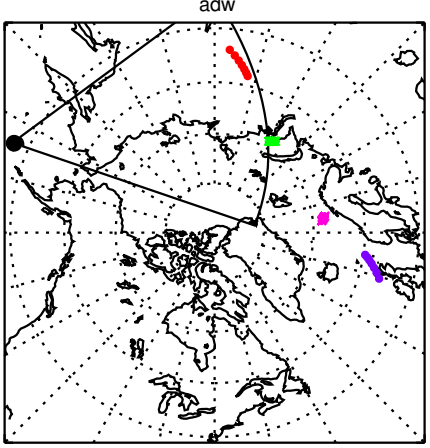


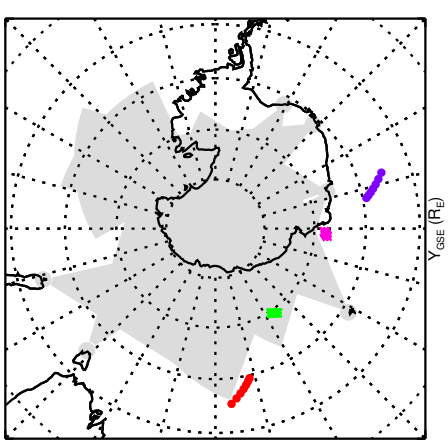
unw zho

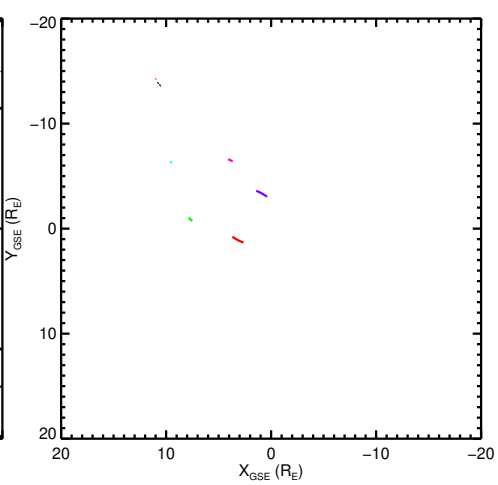




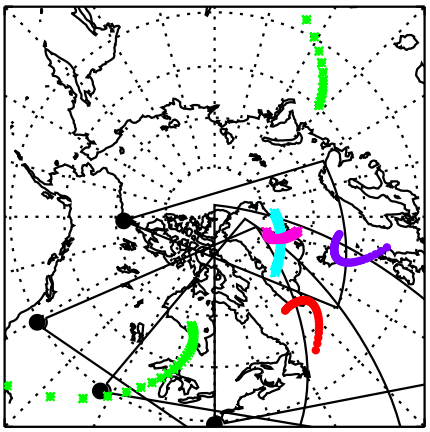

(b) 0630UT to 0700UT
adw



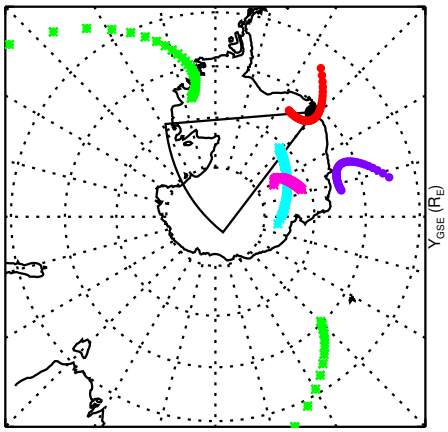


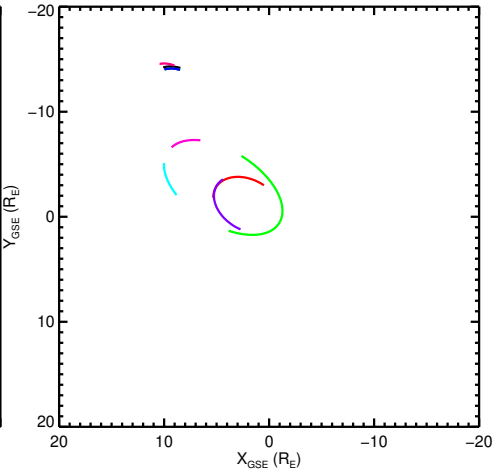


(c) 0905UT to 1325UT
cve fhe inv wal

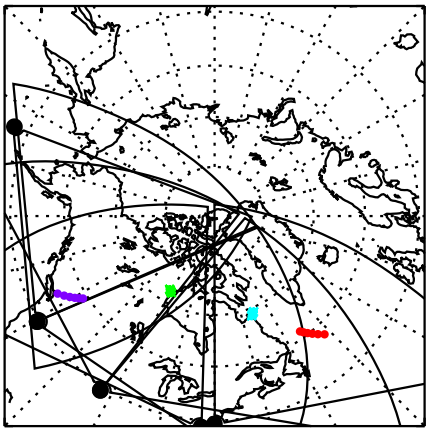


san

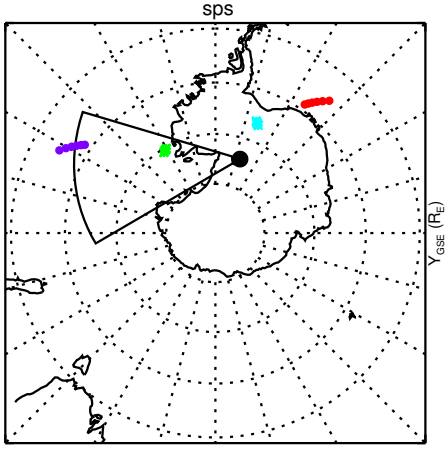


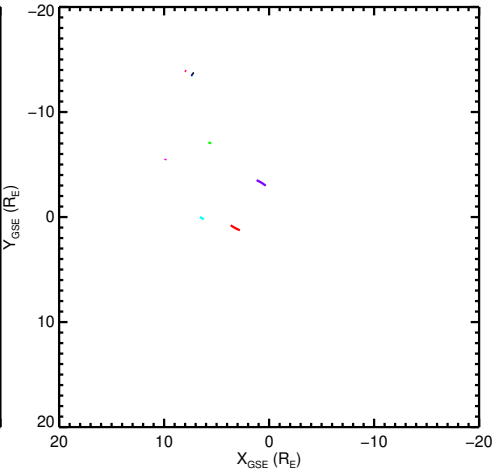



(d) 1530UT to 1555UT
ade bks cve cvw fhe fhw wal

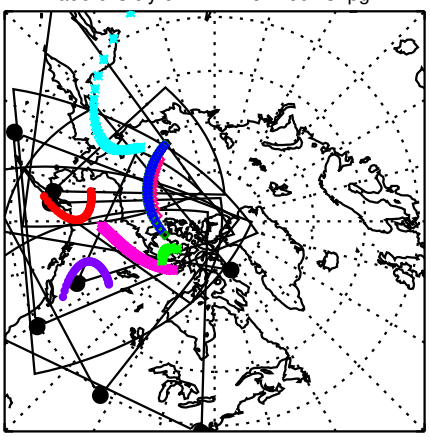


sps

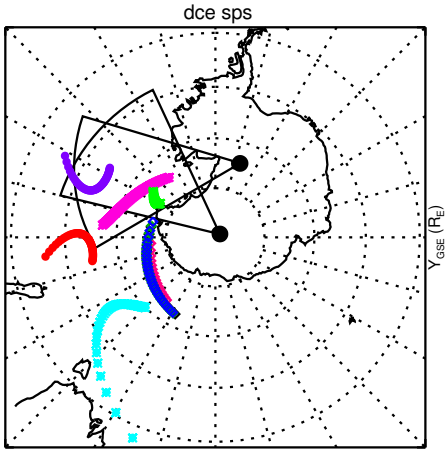


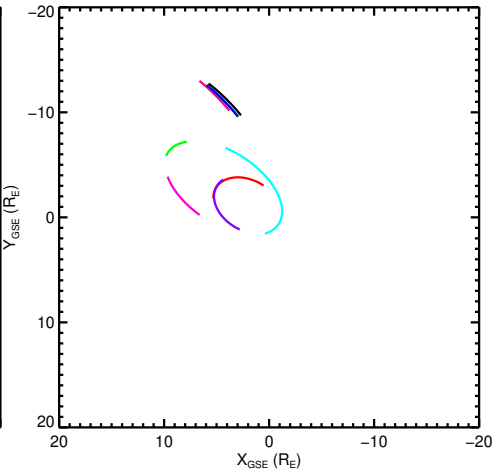



(e) 1805UT to 2225UT
ade bks cly cvw fhw hok kod ksr pgr



dce sps

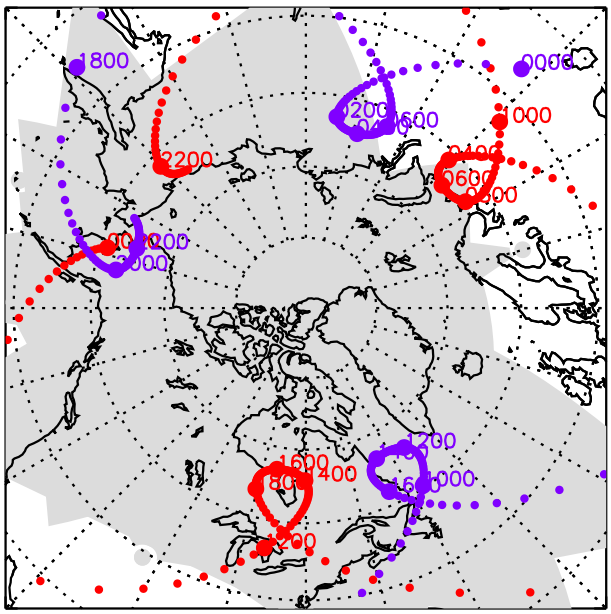


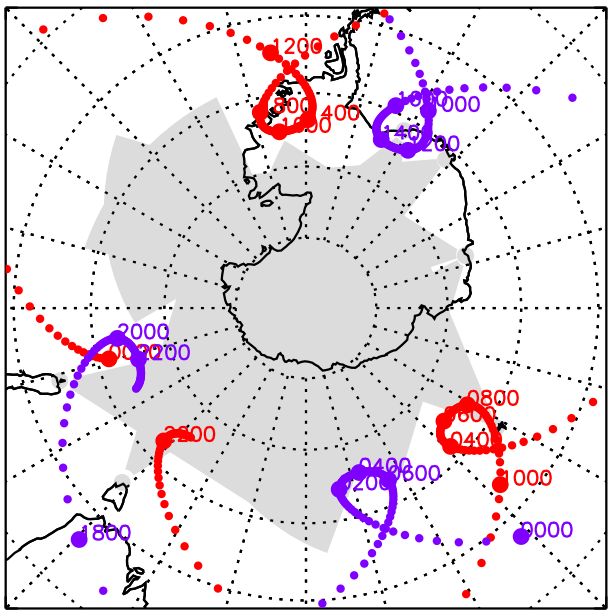


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

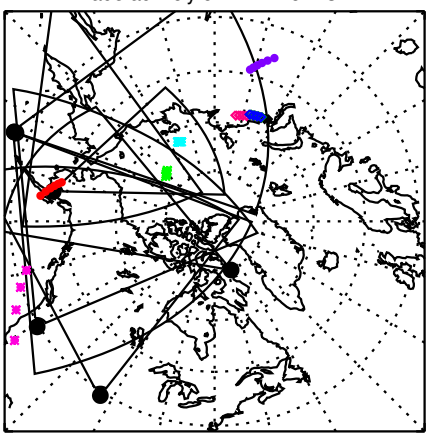
22−Apr−2014

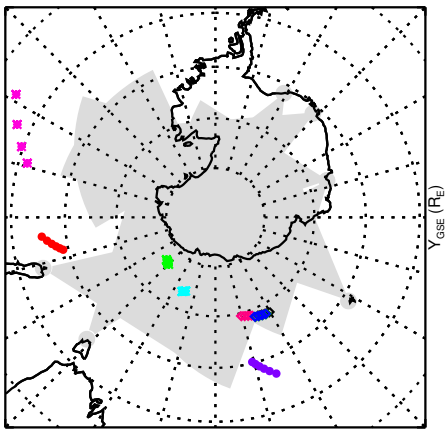
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

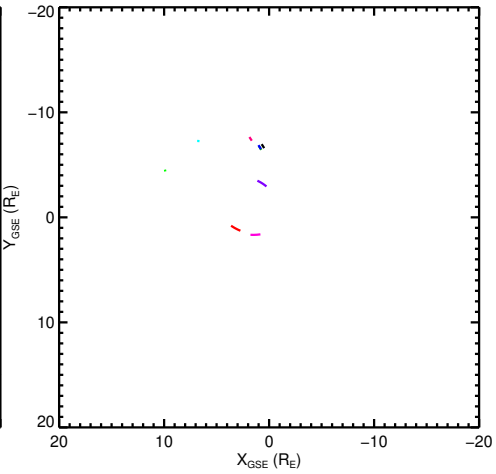


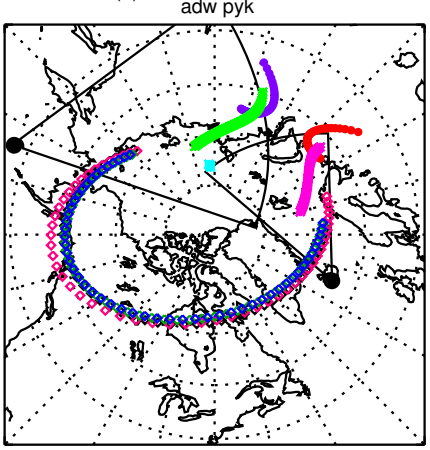

(a) 0030UT to 0055UT
ade adw cly cvw fhw hok ksr



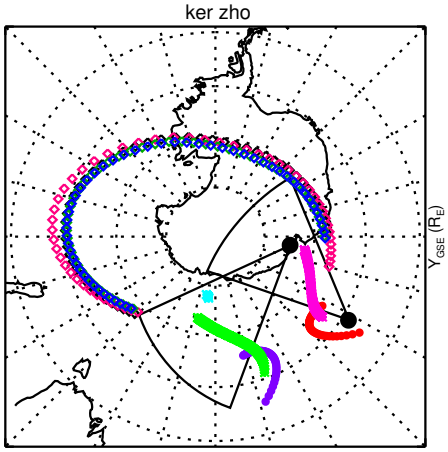


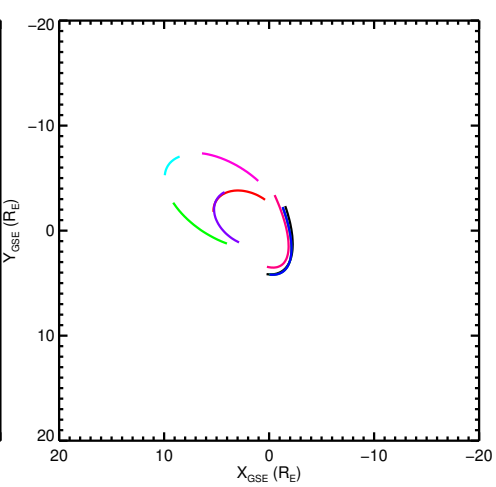



(b) 0300UT to 0725UT
adw pyk

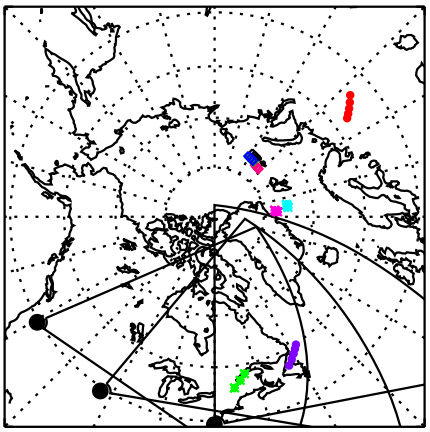


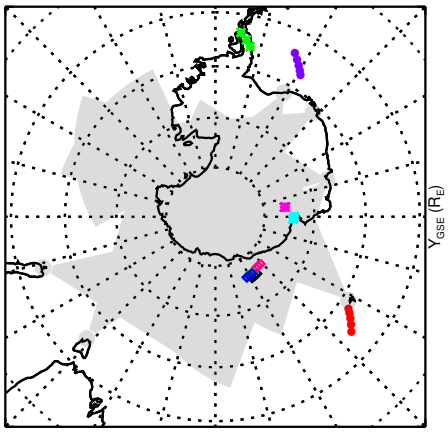
ker zho

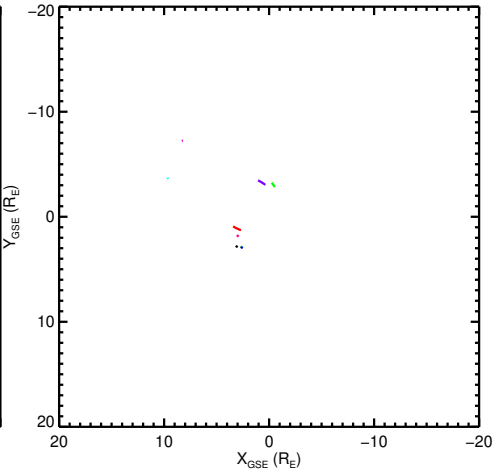




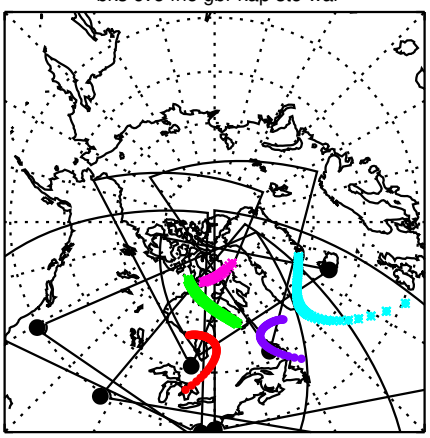
(c) 0935UT to 0955UT
cve fhe wal



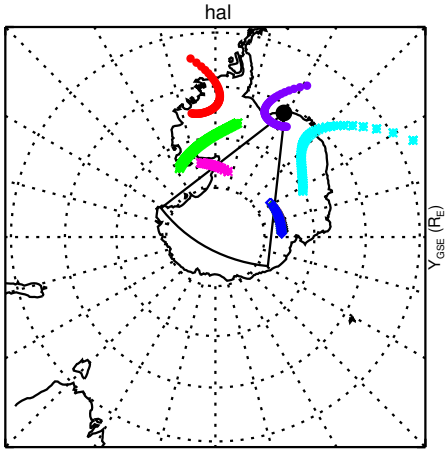


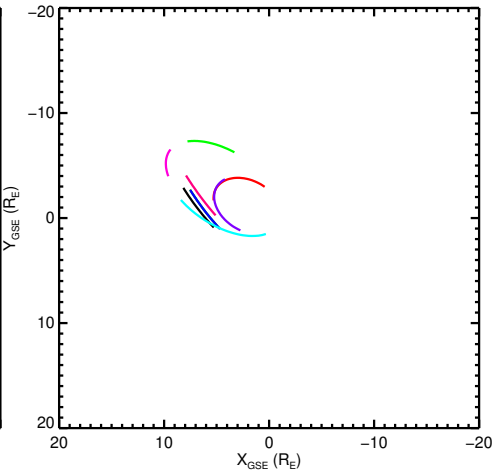



(d) 1200UT to 1630UT
bks cve fhe gbr kap sto wal

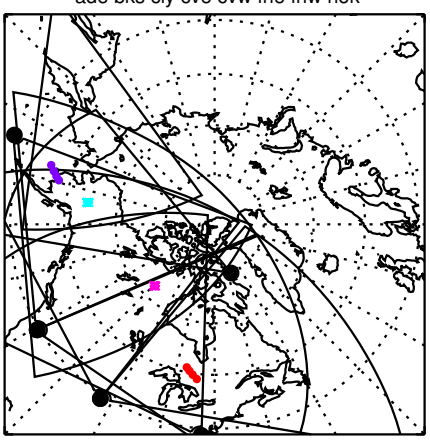


hal

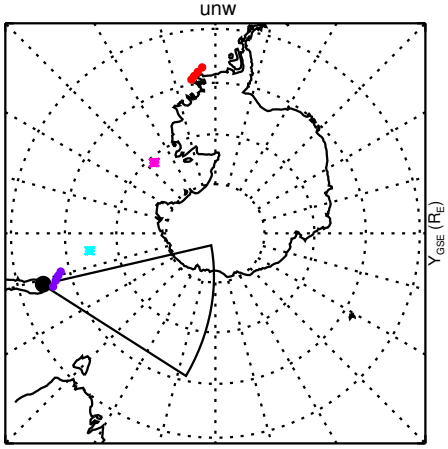


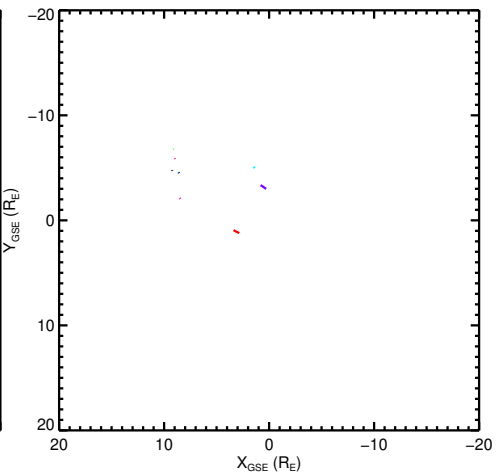



(e) 1835UT to 1850UT
ade bks cly cve cvw fhe fhw hok

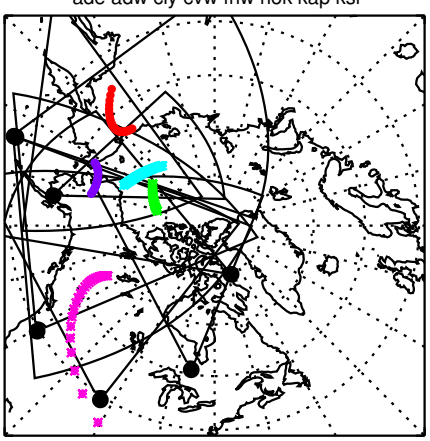


unw

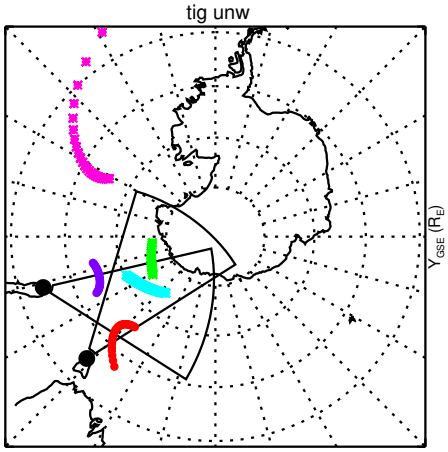


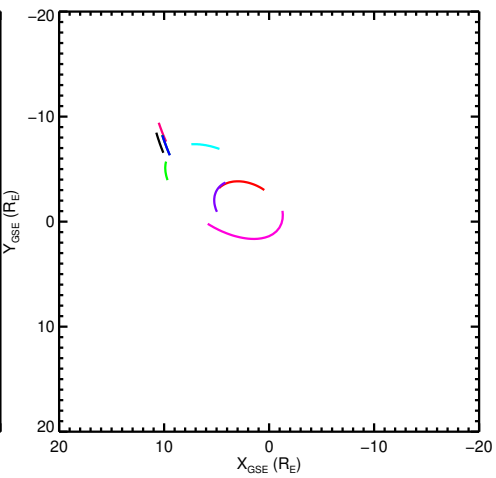



(f) 2100UT to 2355UT
ade adw cly cvw fhw hok kap ksr



tig unw

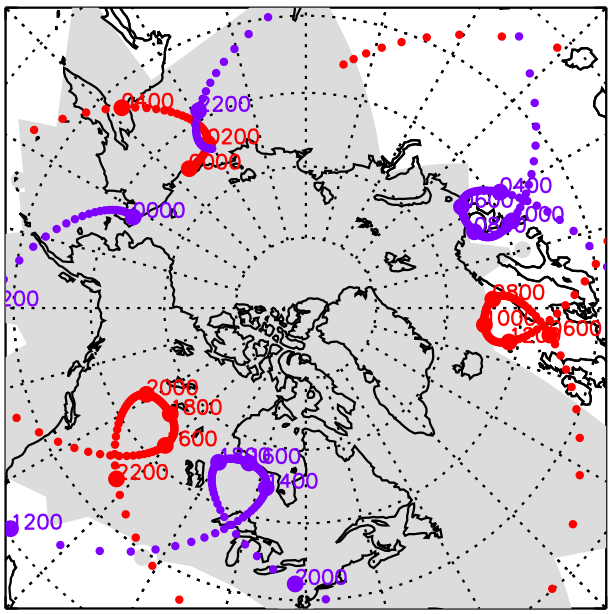


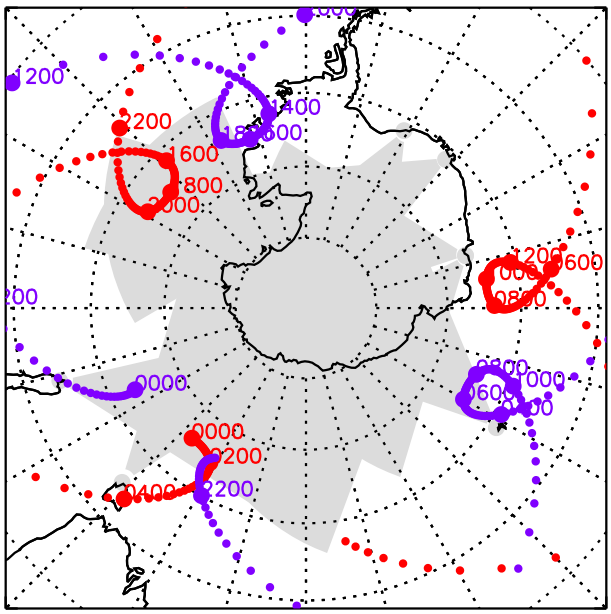


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

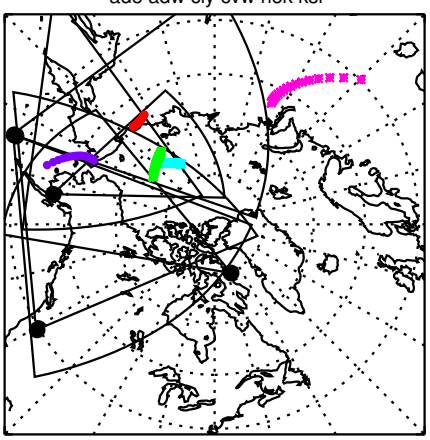
23−Apr−2014

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

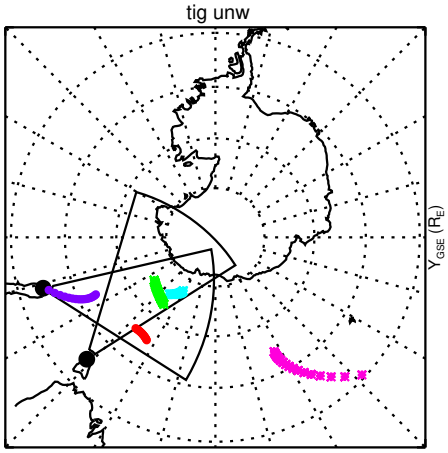


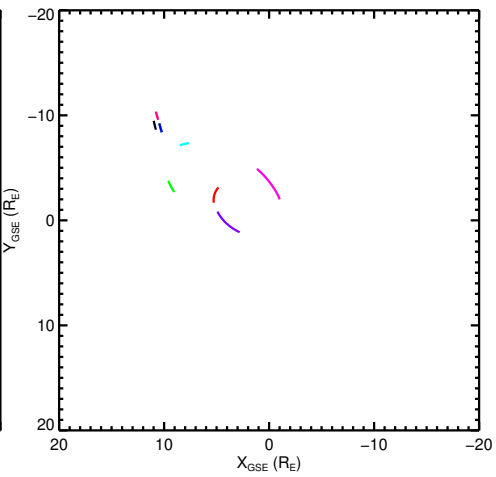


(a) 0000UT to 0130UT
ade adw cly cvw hok ksr

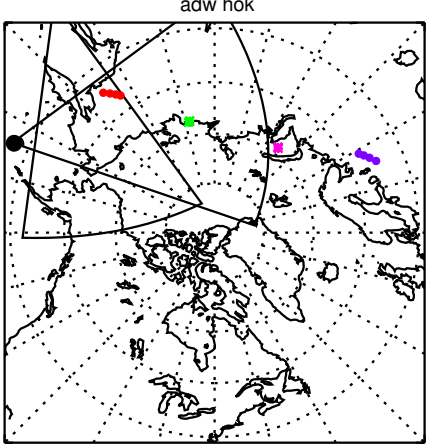


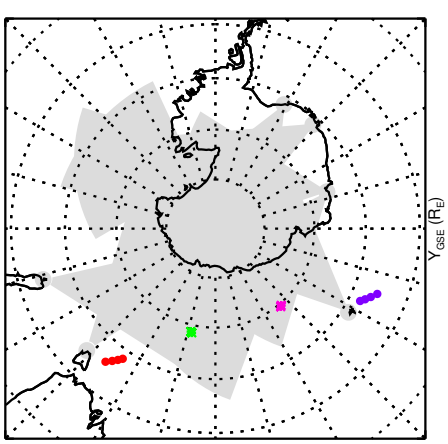
tig unw

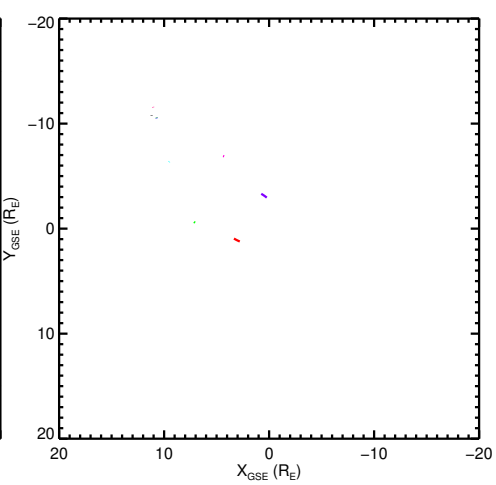




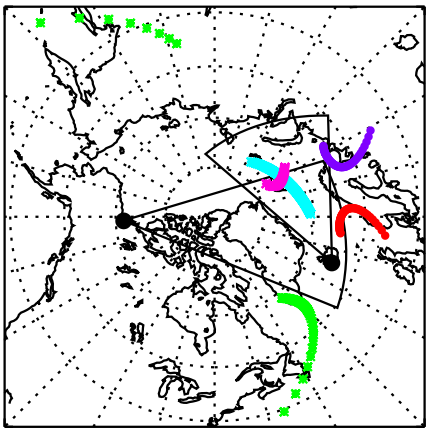

(b) 0335UT to 0350UT
adw hok



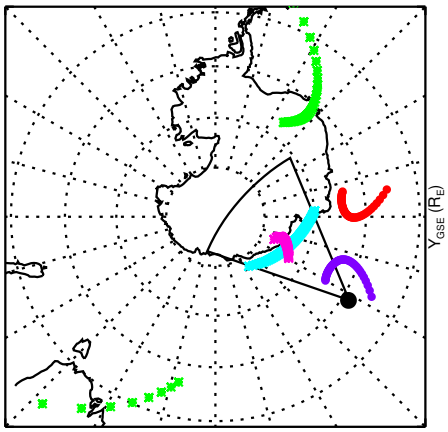


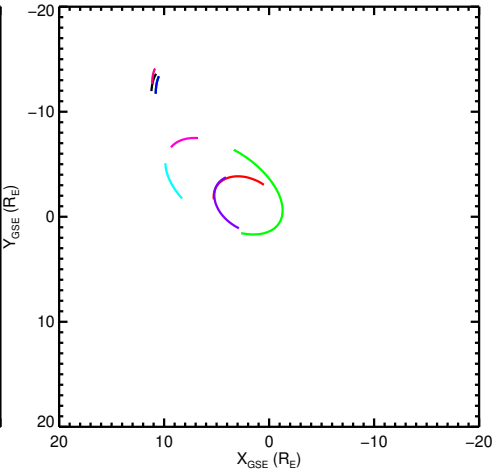


(c) 0600UT to 1030UT
inv pyk

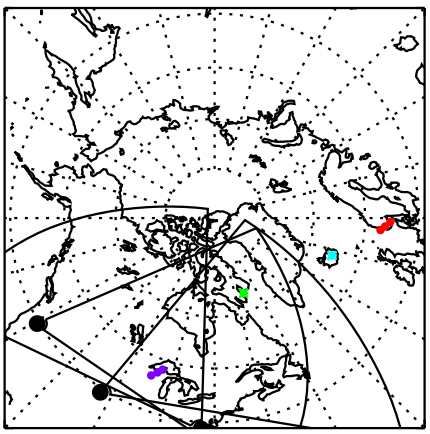


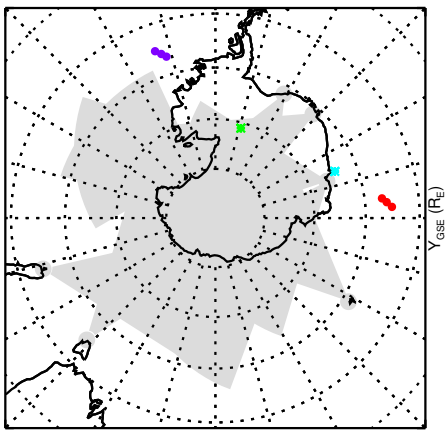
ker

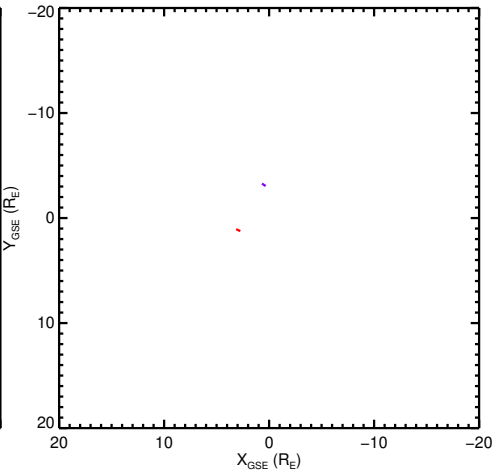




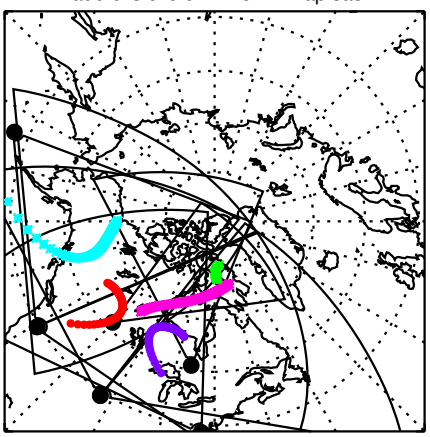

(d) 1240UT to 1250UT
bks cve fhe



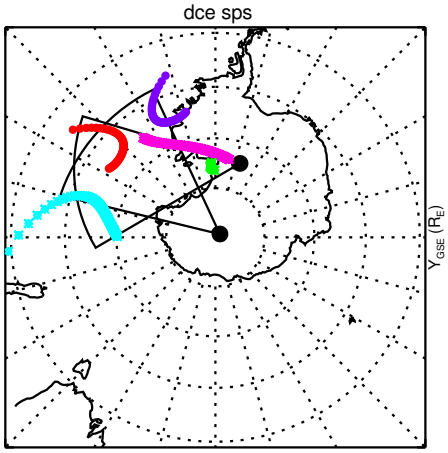


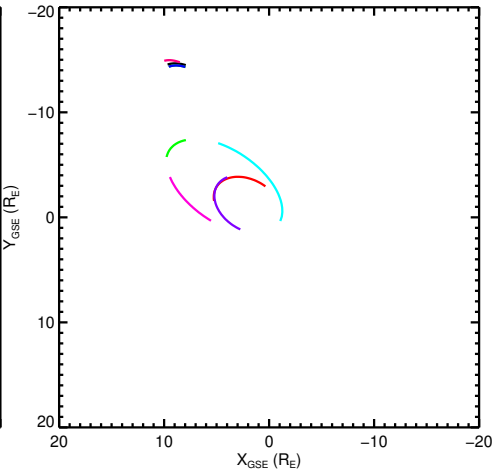



(e) 1455UT to 1935UT
ade bks cve cvw fhe fhw kap sas

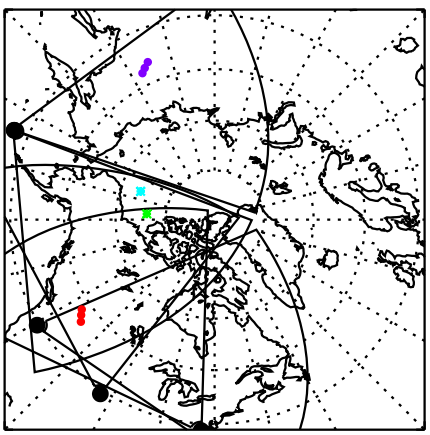


dce sps

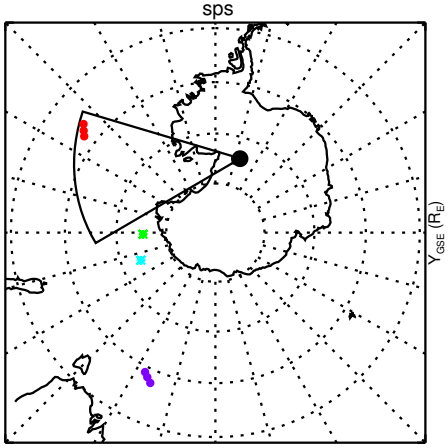


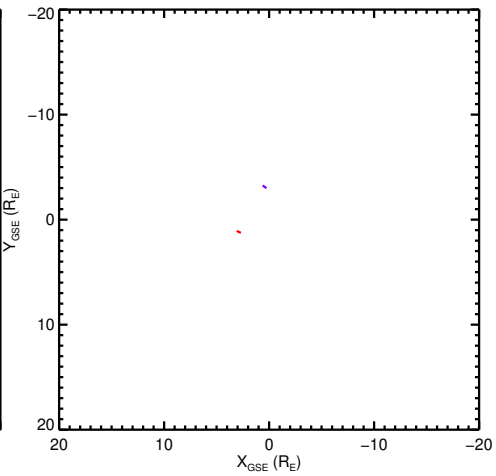


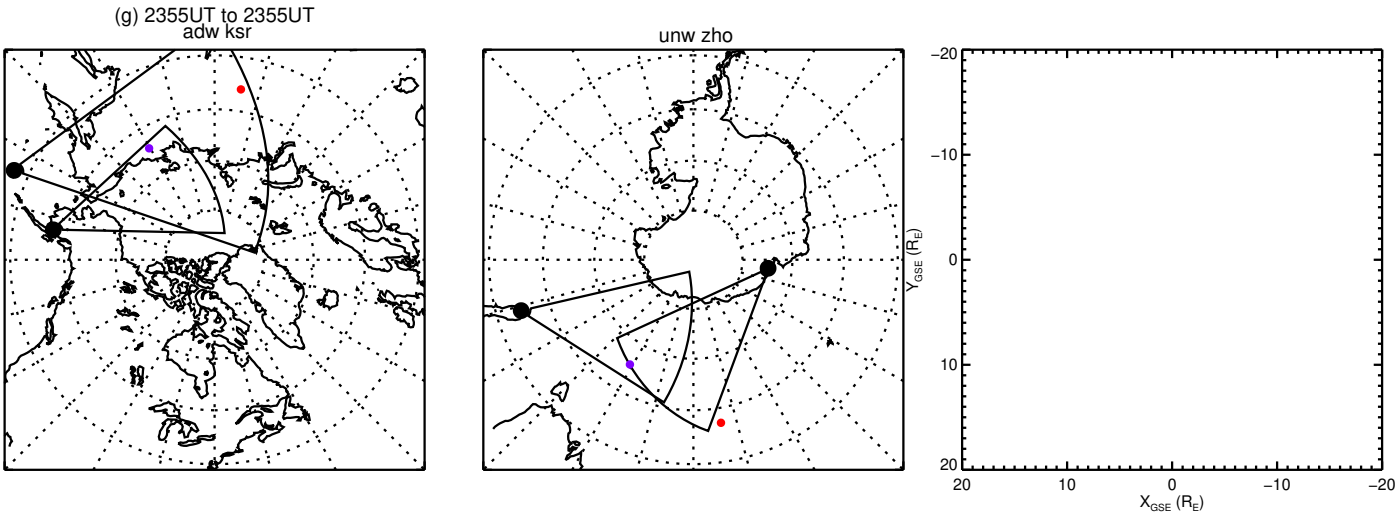

(f) 2140UT to 2150UT
ade adw bks cve fhw



sps



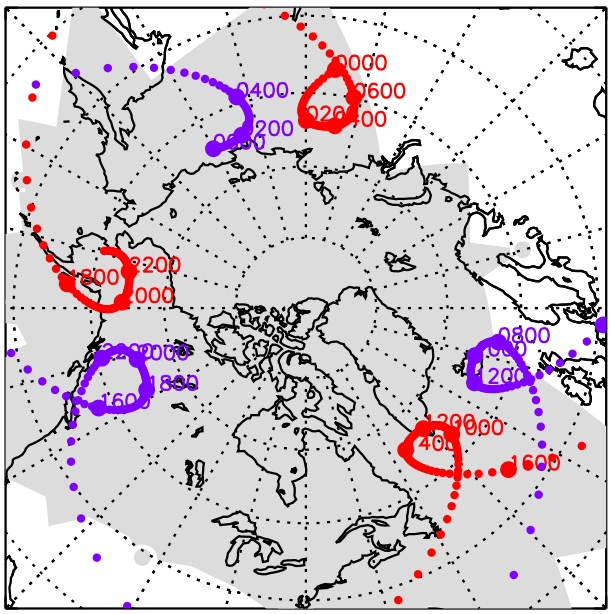


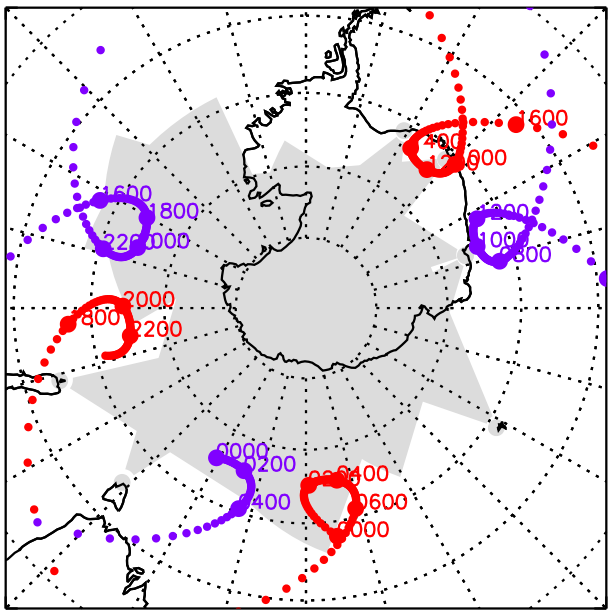

(g) 2355UT to 2355UT
adw ksr
unw zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

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

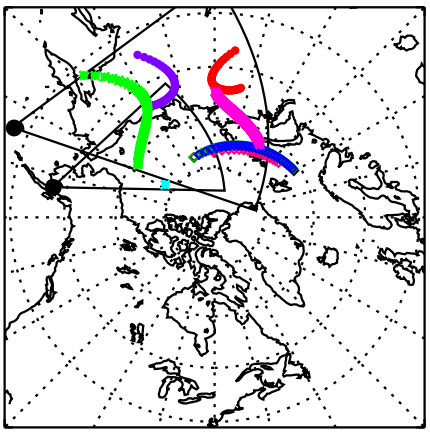
24−Apr−2014

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

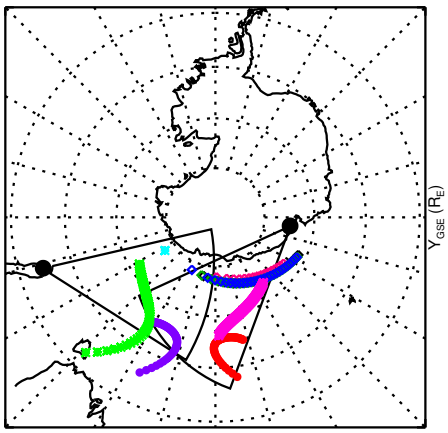


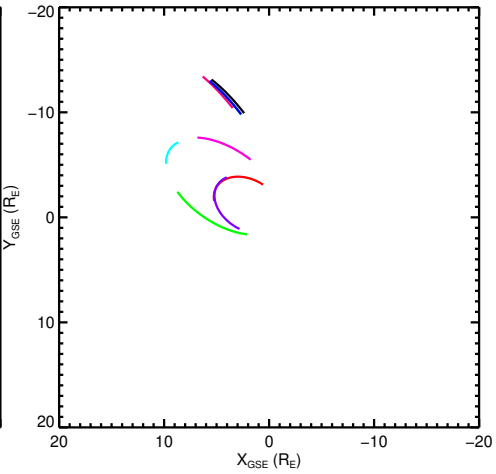


(a) 0000UT to 0435UT
adw ksr

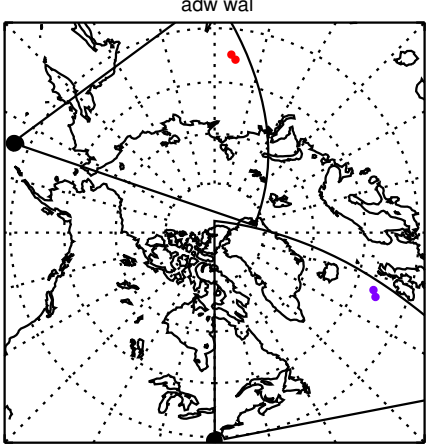


unw zho

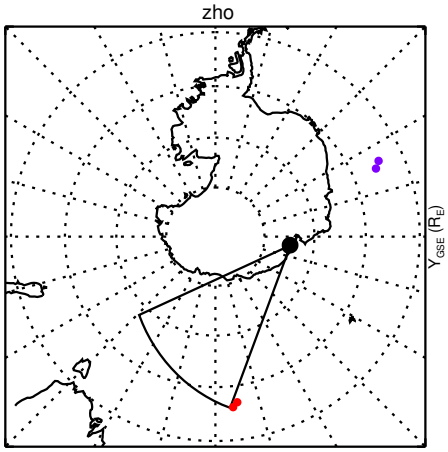


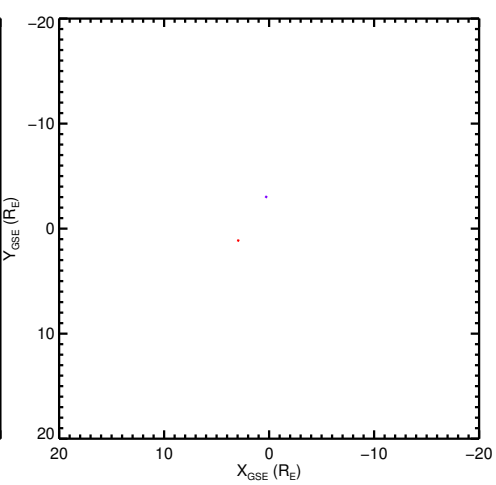



(b) 0640UT to 0645UT
adw wal



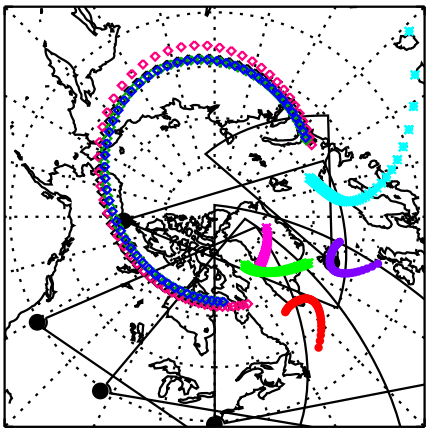
zho

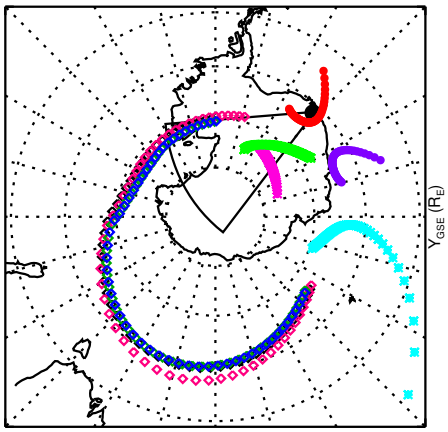


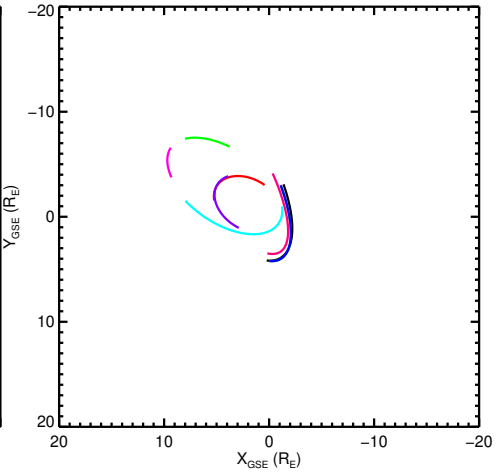


(c) 0855UT to 1335UT
cve fhe inv pyk wal

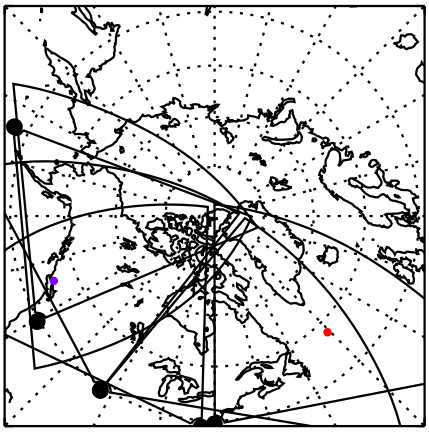
san

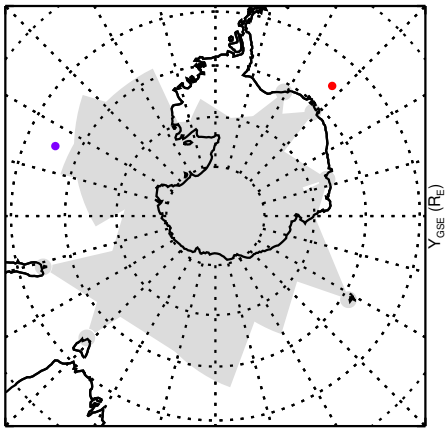


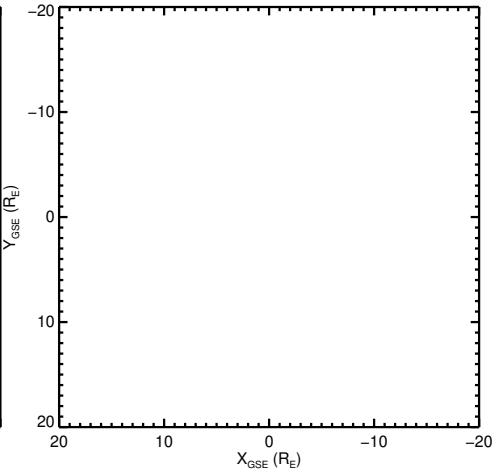





(d) 1545UT to 1545UT
ade bks cvw fhe fhw wal

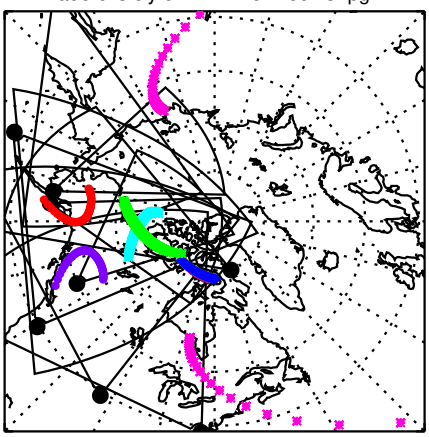


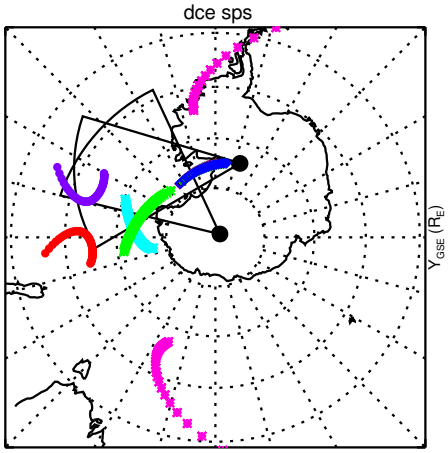


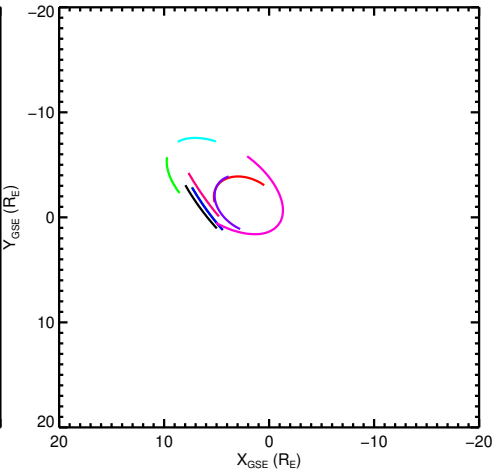



(e) 1755UT to 2240UT
ade bks cly cvw fhw hok kod ksr pgr

dce sps



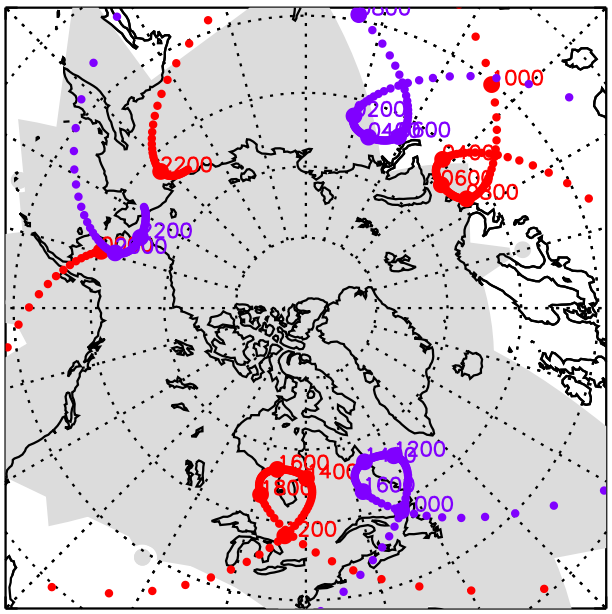


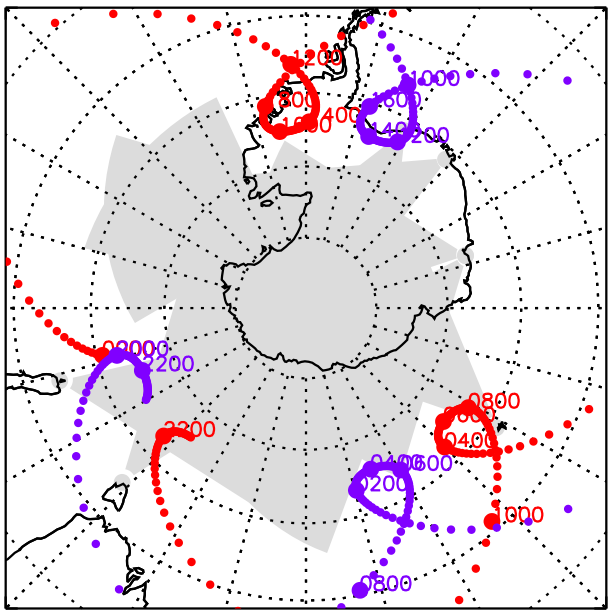


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

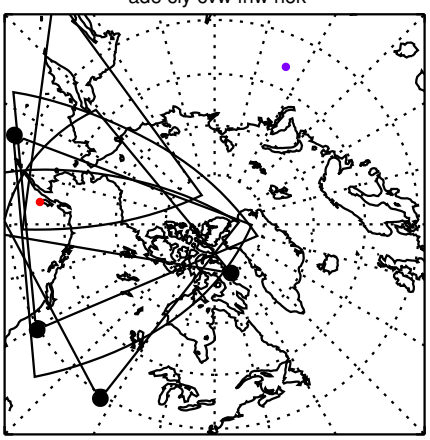
25–Apr–2014

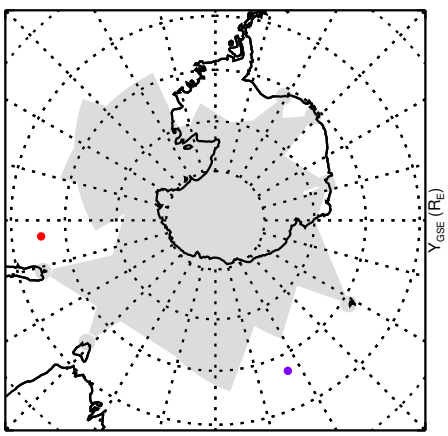
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

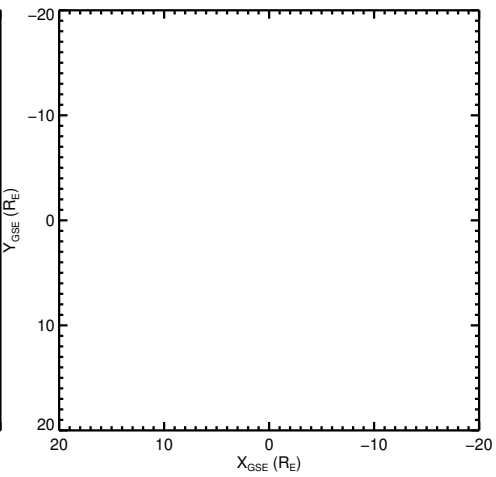




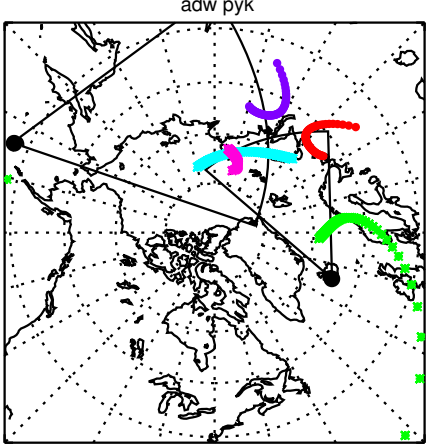
(a) 0045UT to 0045UT
ade cly cvw fhw hok



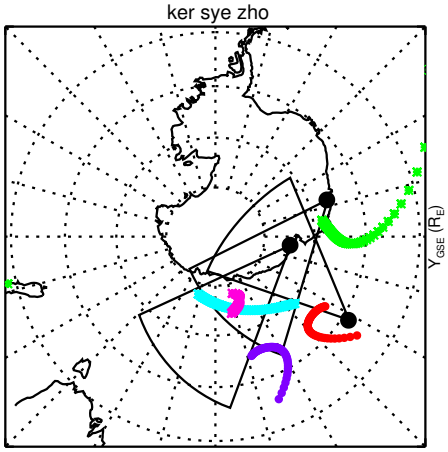


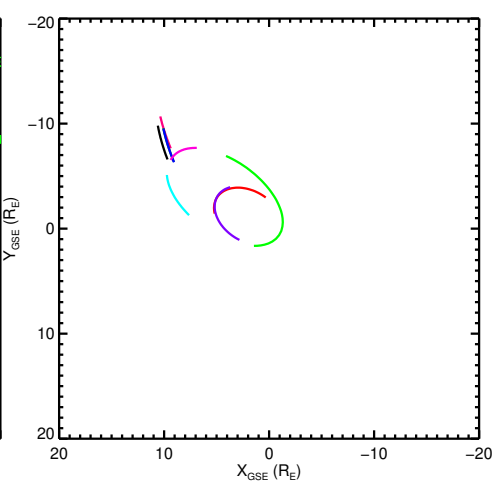



(b) 0250UT to 0740UT
adw pyk

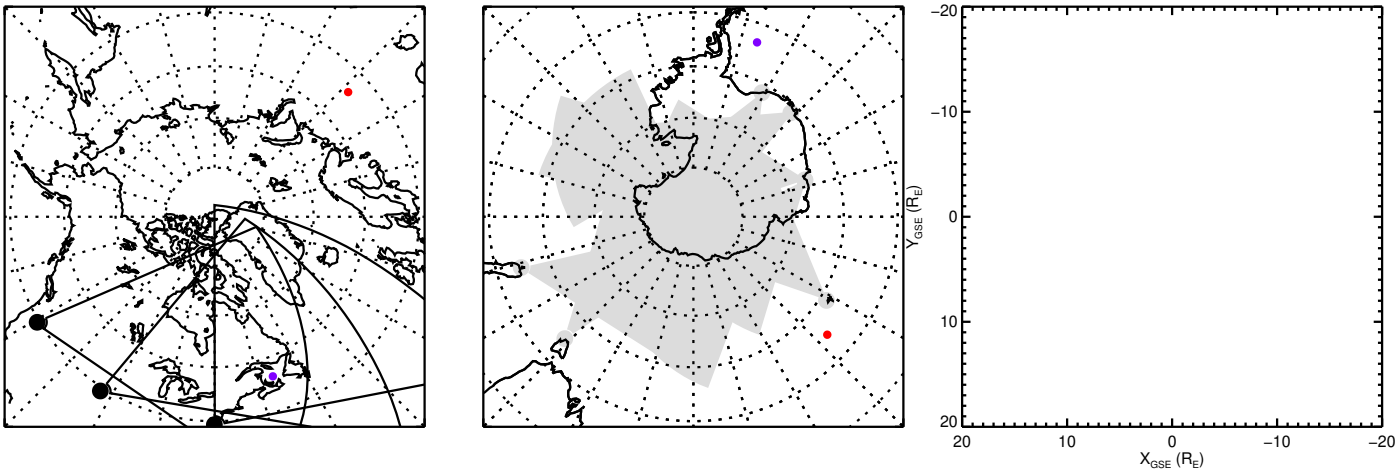


ker sye zho



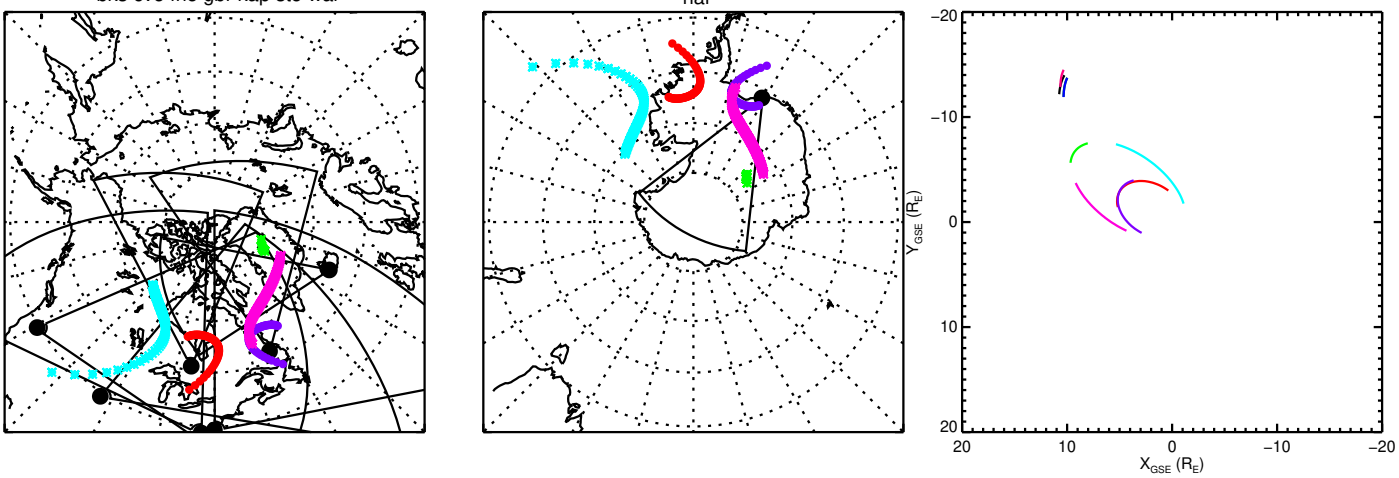


(c) 0945UT to 0945UT
cve fhe wal



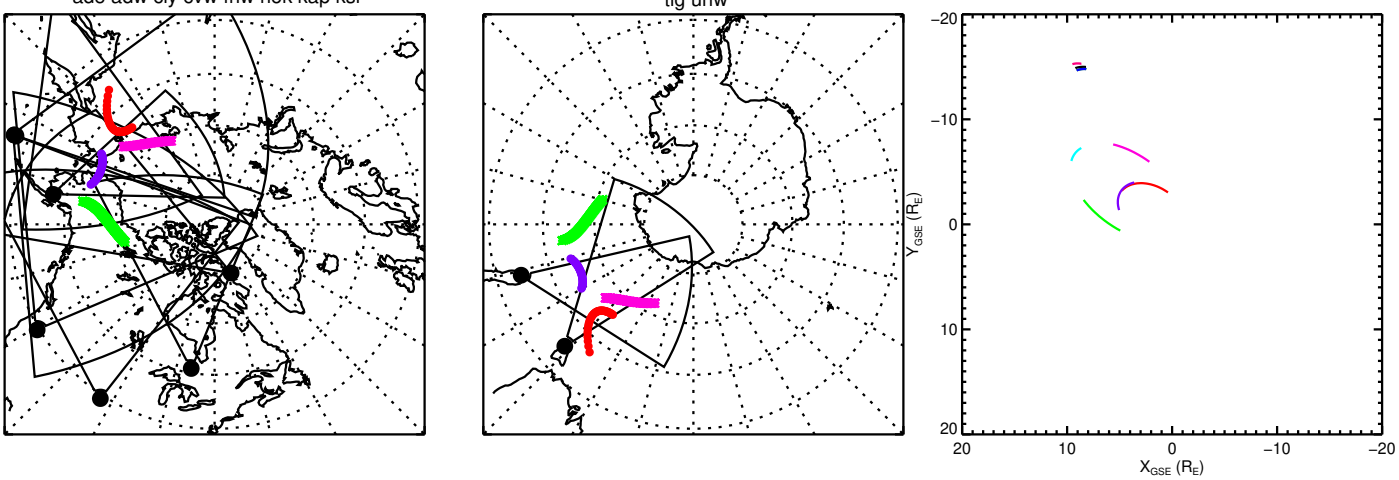

(d) 1150UT to 1640UT
bks cve fhe gbr kap sto wal

hal




(e) 2050UT to 2355UT
ade adw cly cvw fhw hok kap ksr

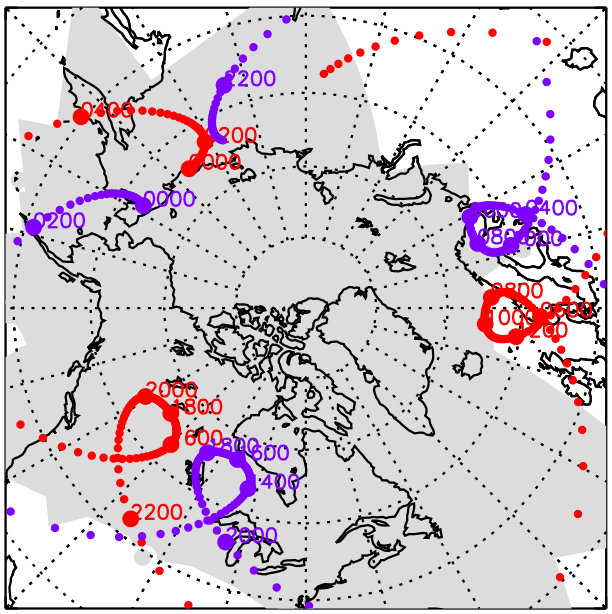
tig unw

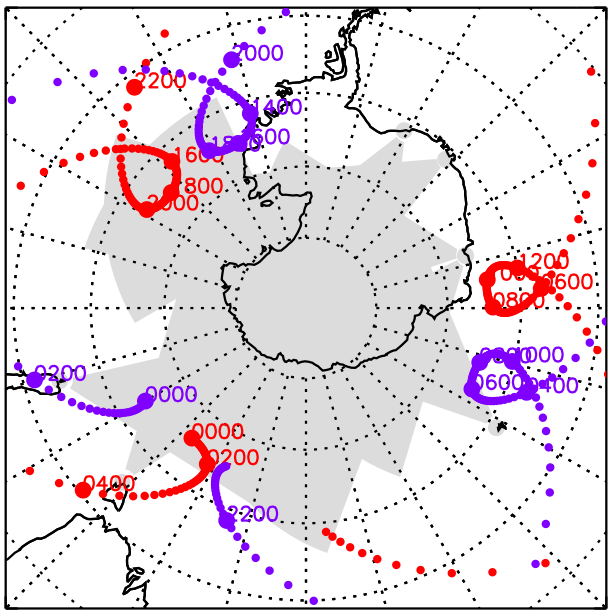


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

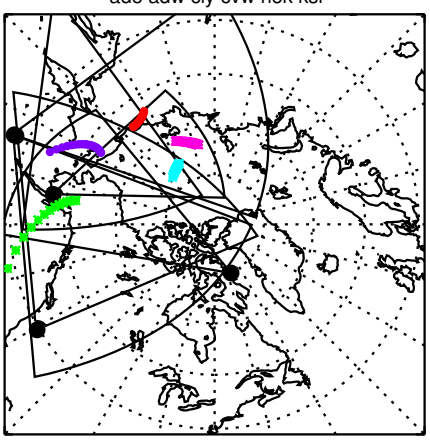
26–Apr–2014

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

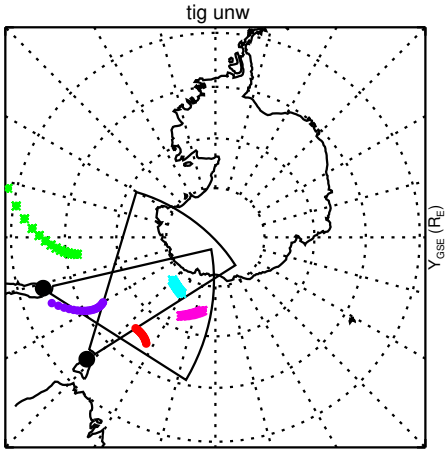


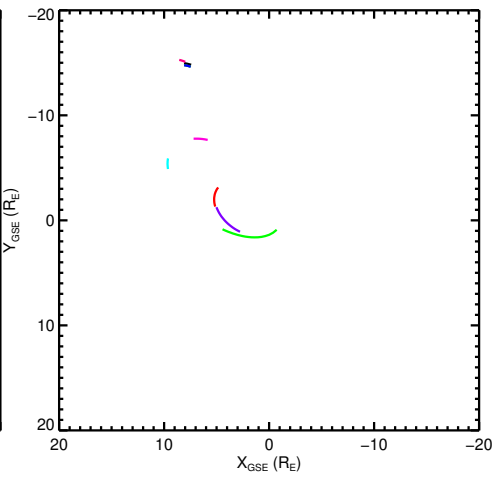


(a) 0000UT to 0145UT
ade adw cly cvw hok ksr

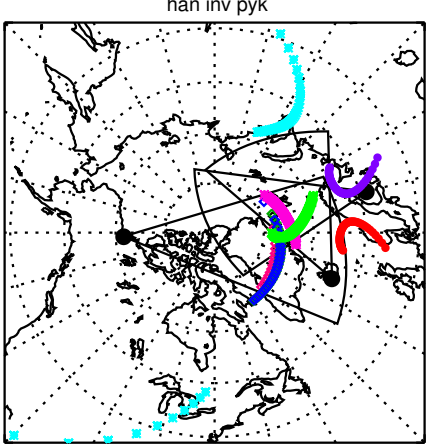


tig unw

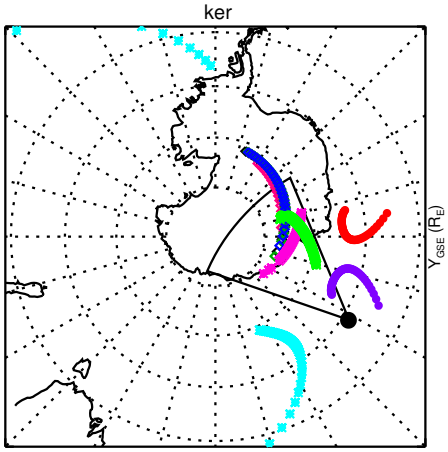


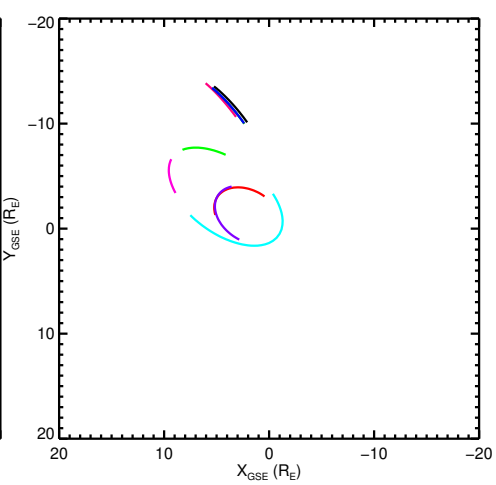



(b) 0550UT to 1045UT
han inv pyk

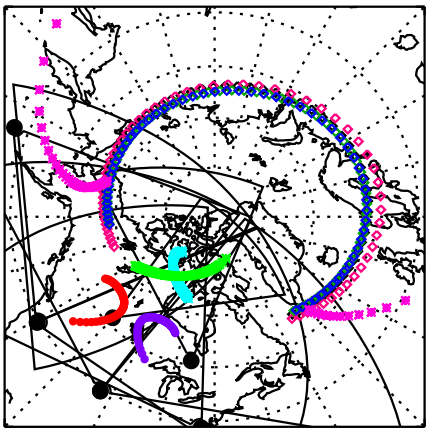


ker

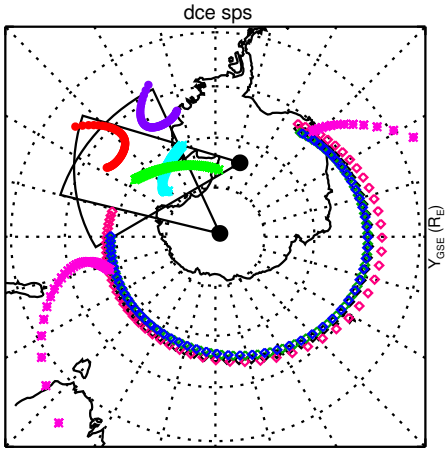


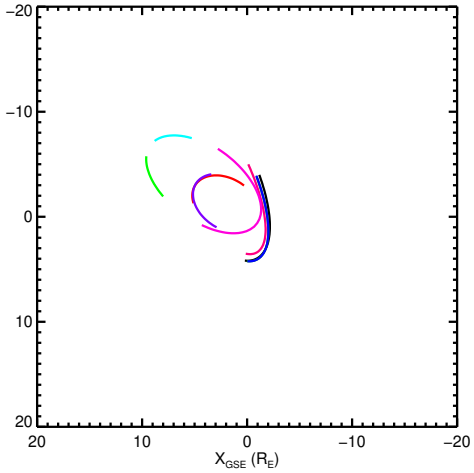


(c) 1445UT to 1945UT
ade bks cve cvw fhe fhw kap sas

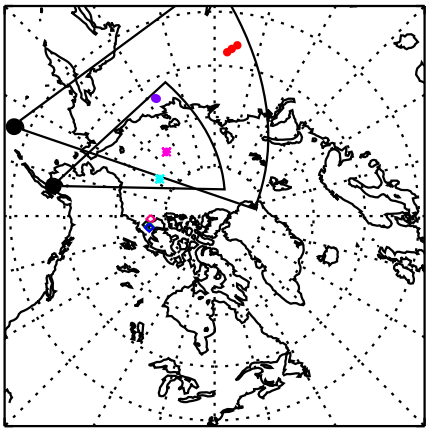


dce sps

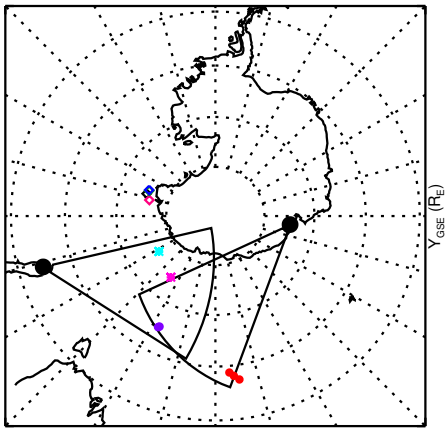


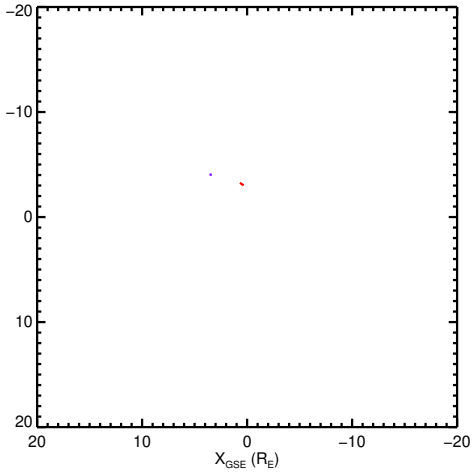



(d) 2345UT to 2355UT
adw ksr



unw zho

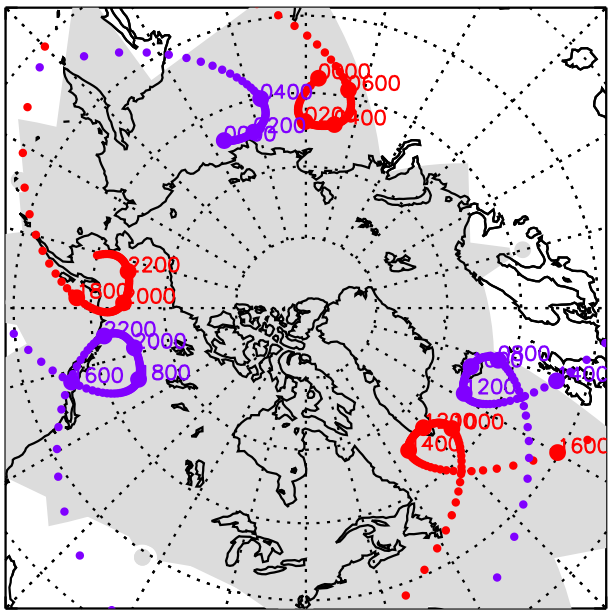


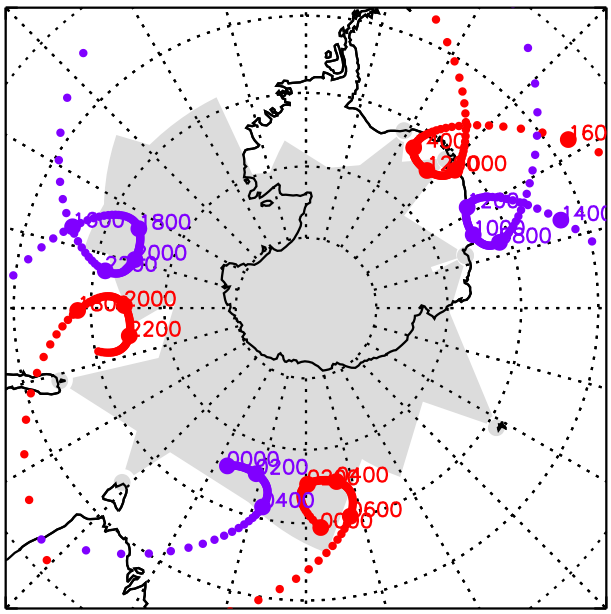


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

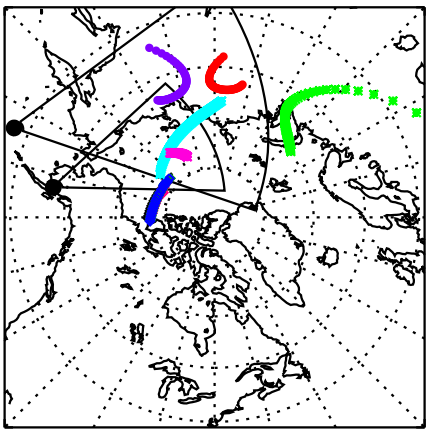
27−Apr−2014

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

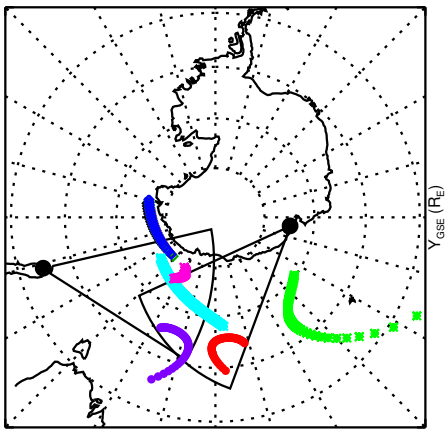


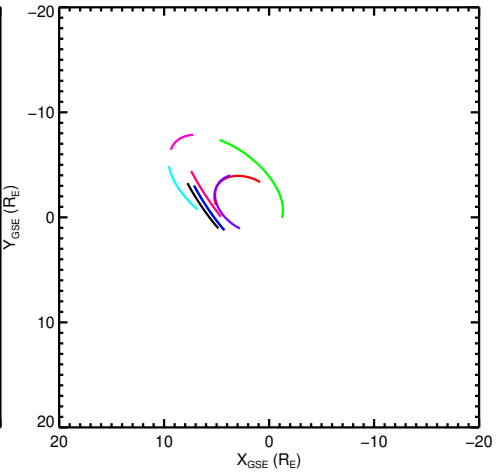


(a) 0000UT to 0450UT
adw ksr

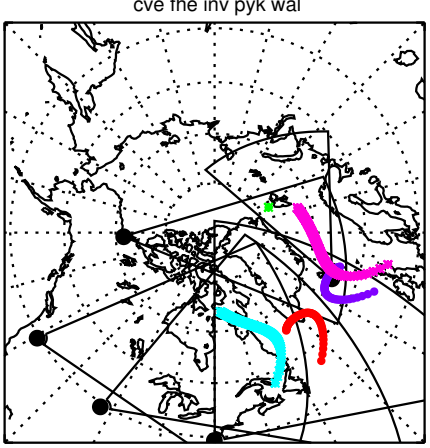


unw zho

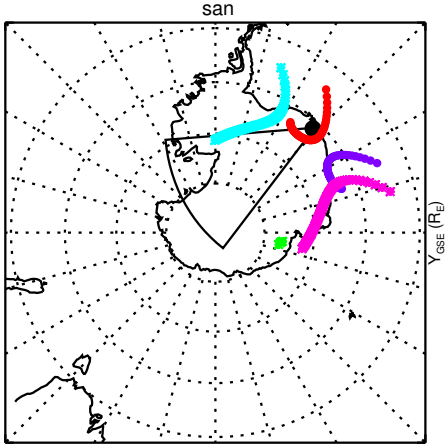


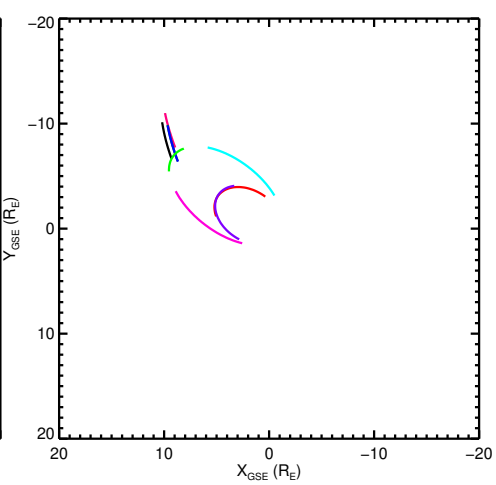


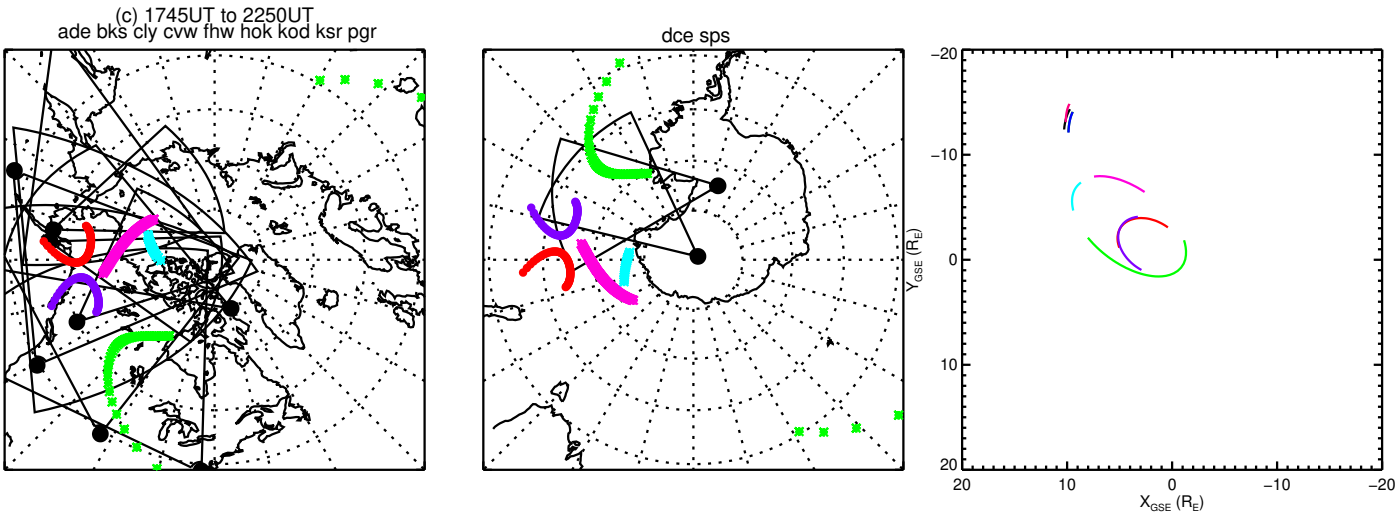

(b) 0845UT to 1350UT
cve fhe inv pyk wal



san



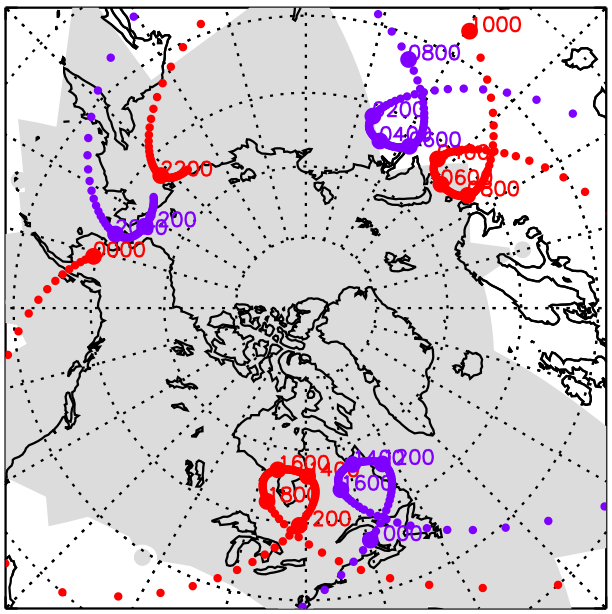


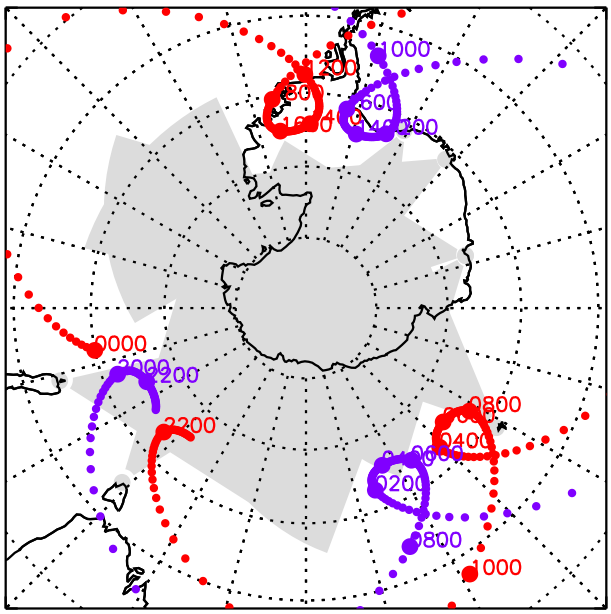

(c) 1745UT to 2250UT
ade bks cly cvw fhw hok kod ksr pgr
dce sps
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

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

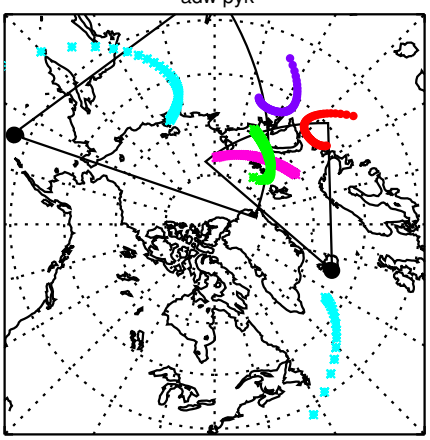
28–Apr–2014

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

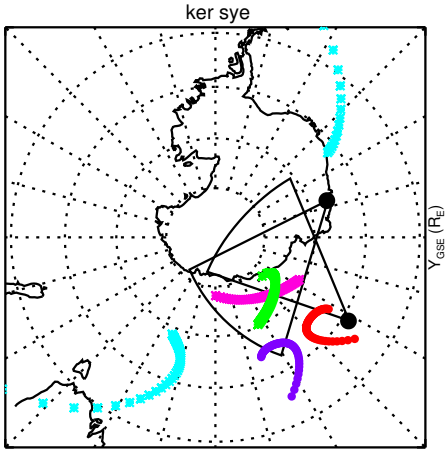


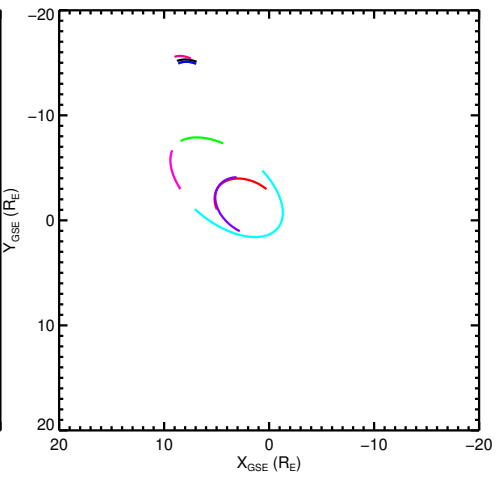


(a) 0240UT to 0755UT
adw pyk

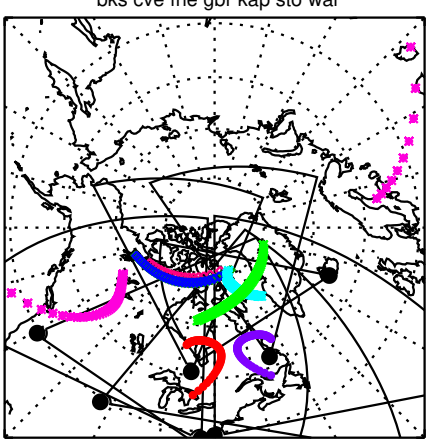


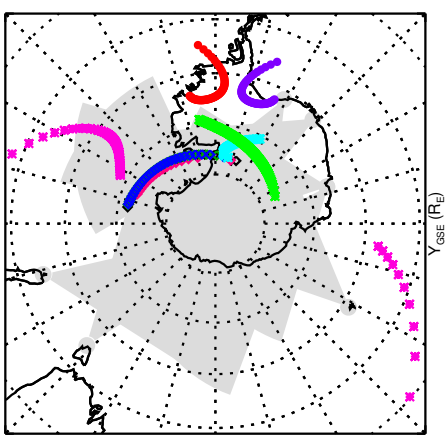
ker sye

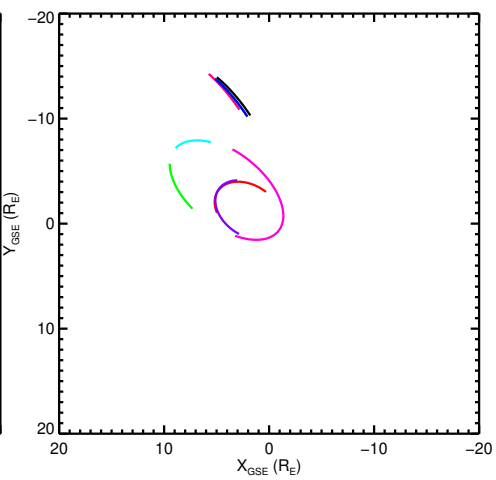


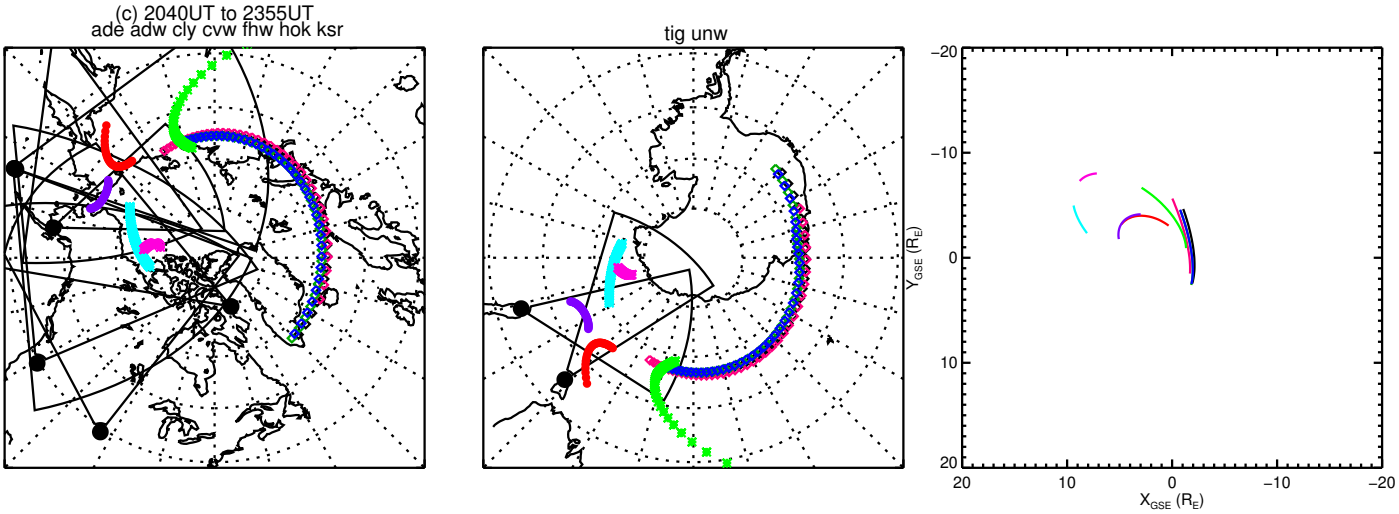



(b) 1140UT to 1655UT
bks cve fhe gbr kap sto wal





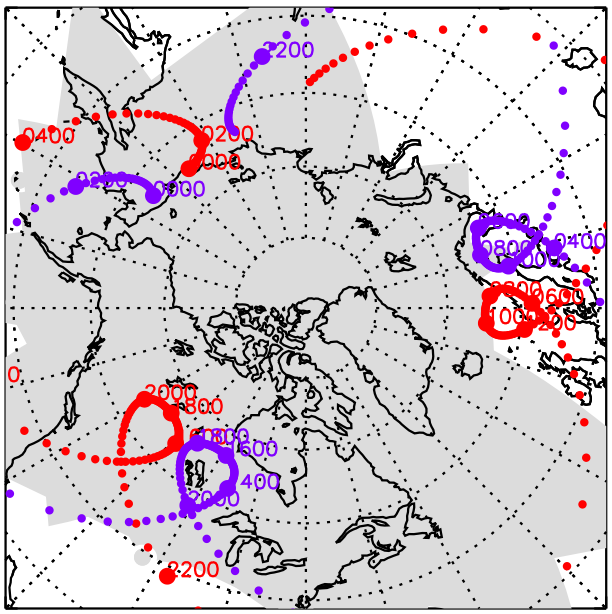


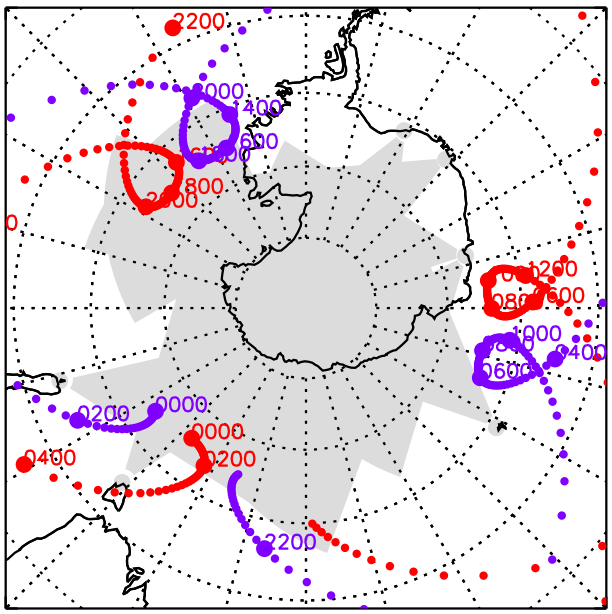

(c) 2040UT to 2355UT
ade adw cly cvw fhw hok ksr
tig unw
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

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

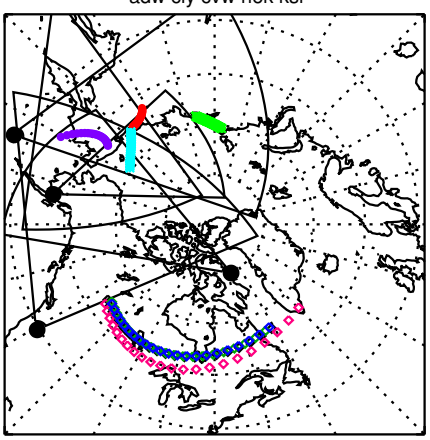
29−Apr−2014

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

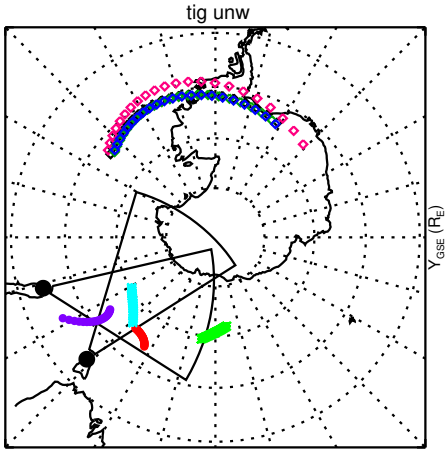


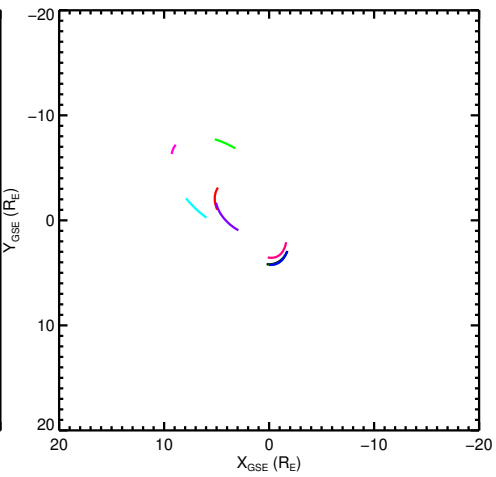


(a) 0000UT to 0155UT
adw cly cvw hok ksr

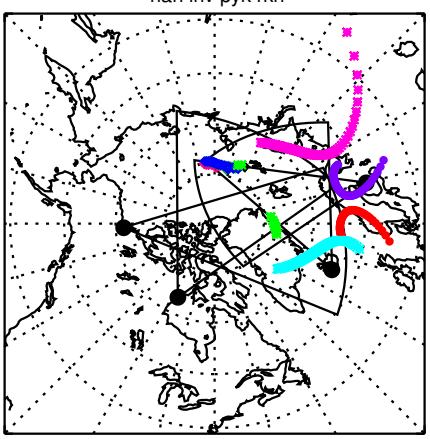


tig unw

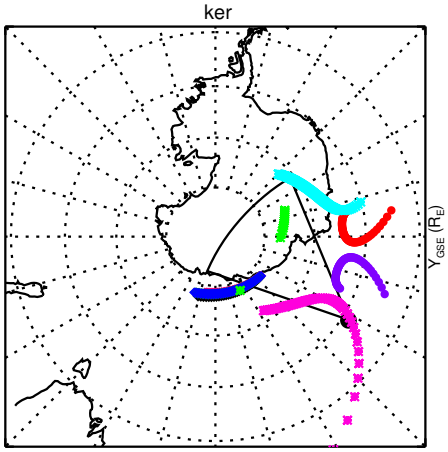


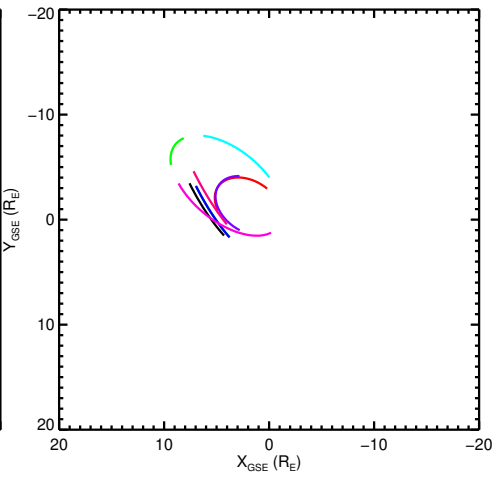



(b) 0535UT to 1100UT
han inv pyk rkn

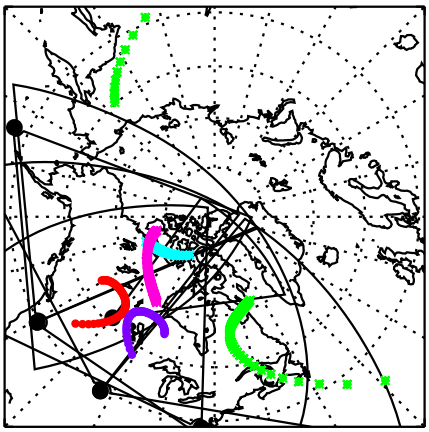


ker

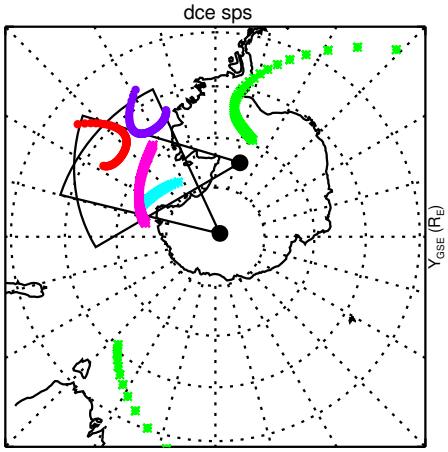


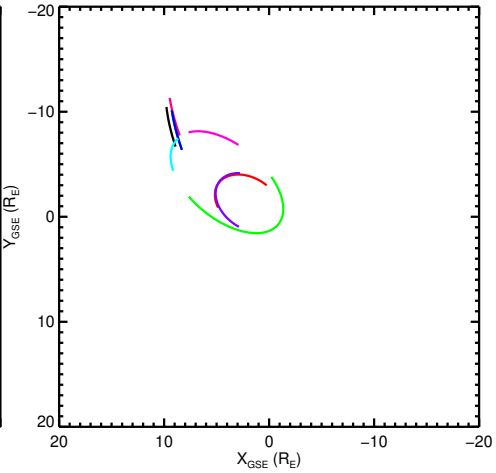


(c) 1435UT to 2000UT
ade bks cve cvw fhe fhw sas

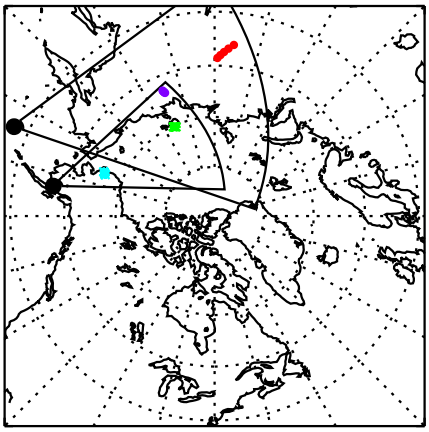


dce sps

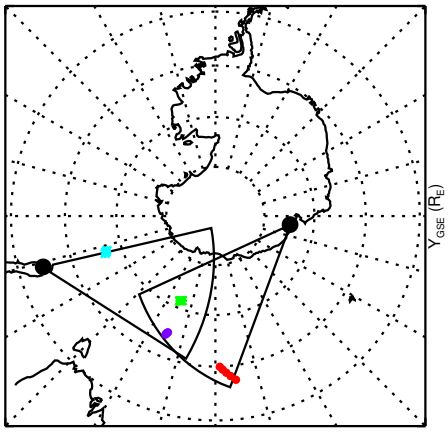


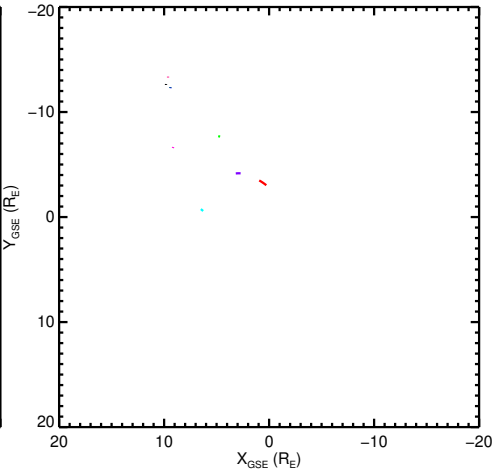



(d) 2335UT to 2355UT
adw ksr



unw zho

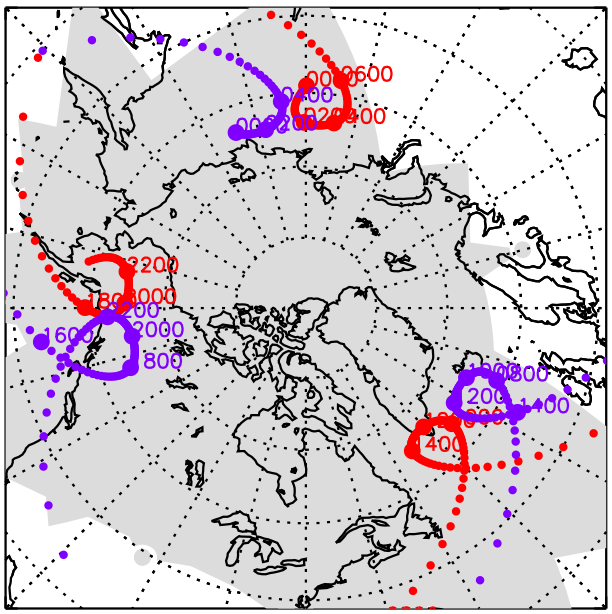


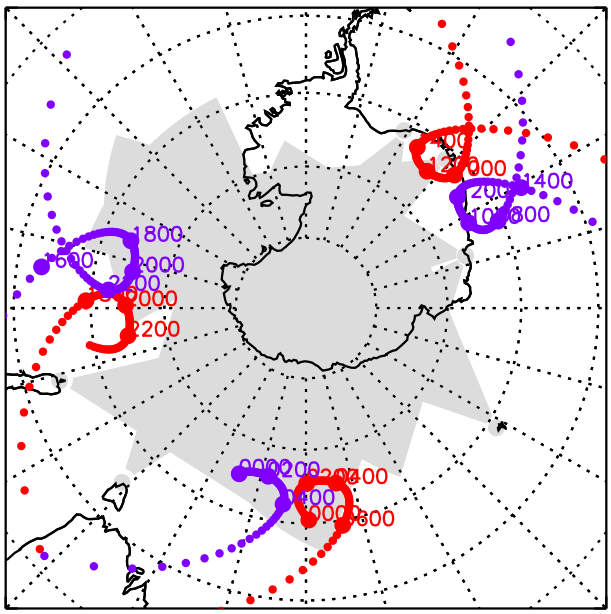


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

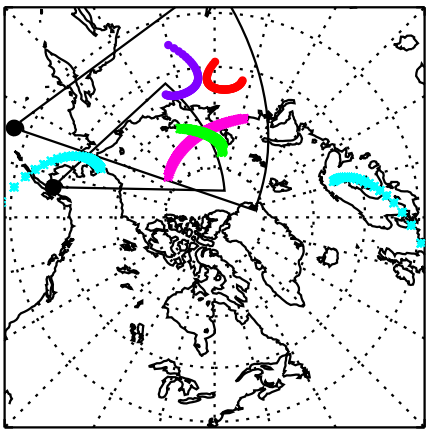
30−Apr−2014

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

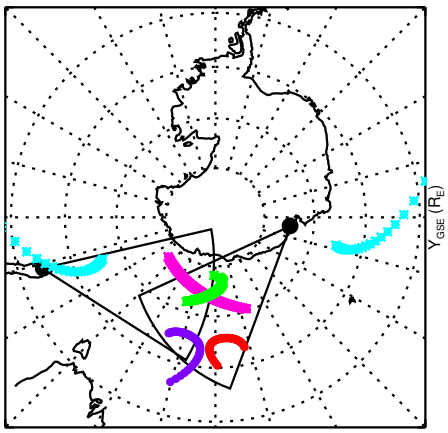


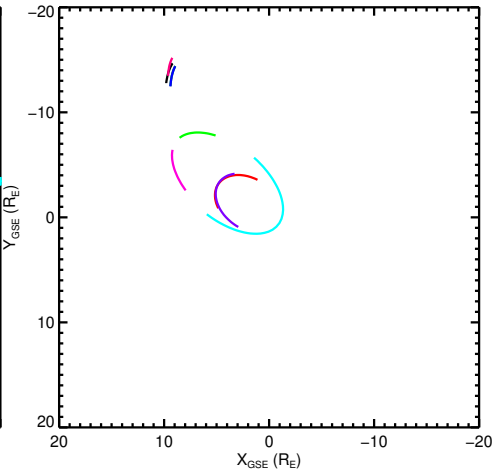


(a) 0000UT to 0500UT
adw ksr

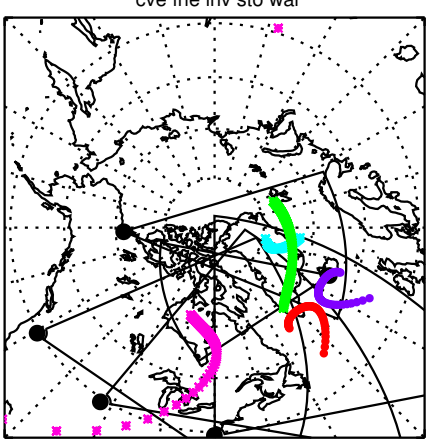


unw zho

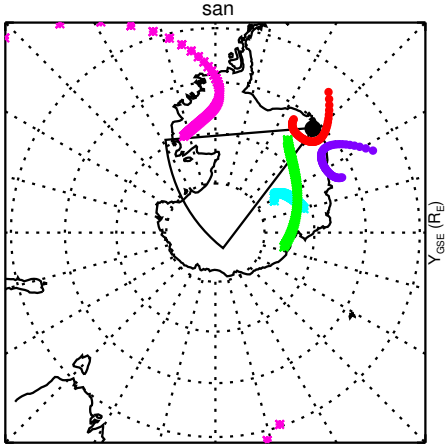


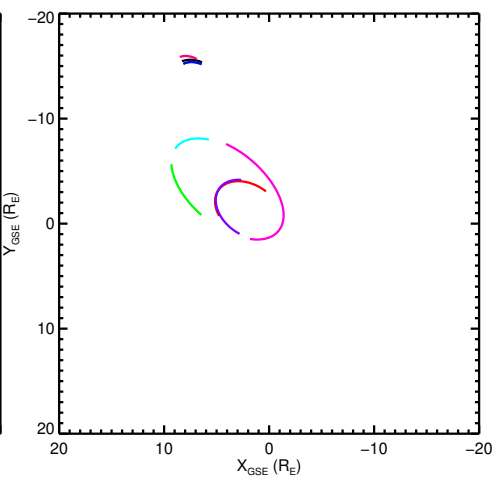



(b) 0835UT to 1405UT
cve fhe inv sto wal

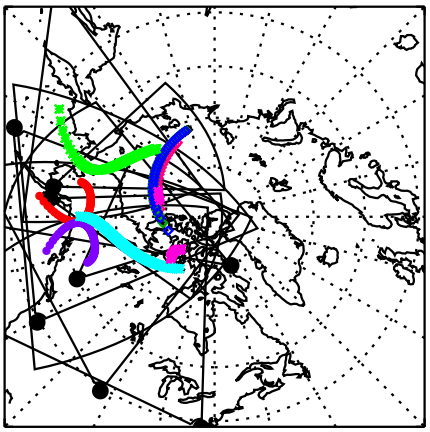
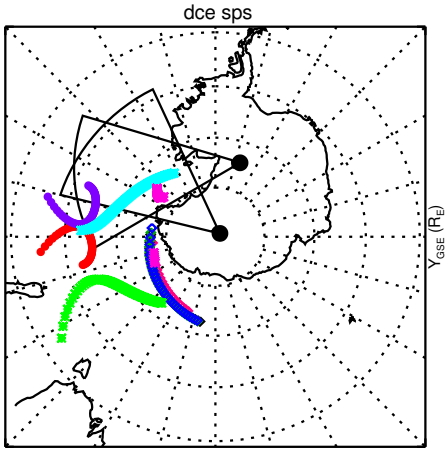
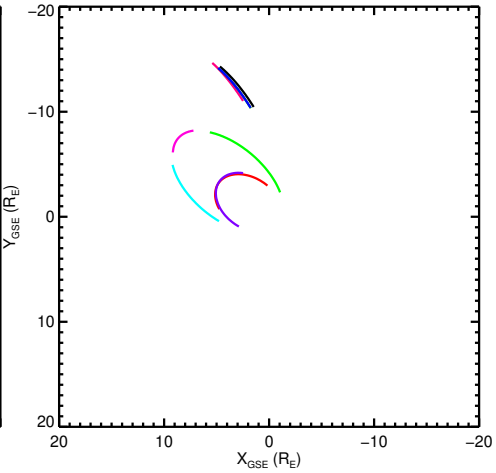


san





(c) 1730UT to 2305UT
ade bks cly cvw fhw hok kod ksr pgr



dce sps