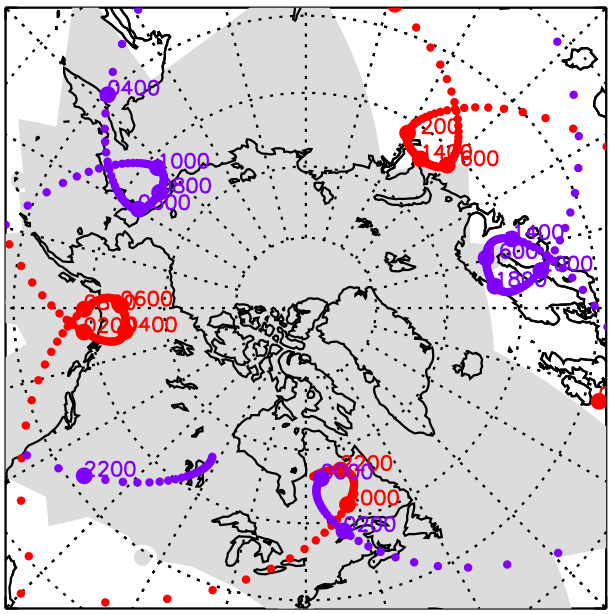
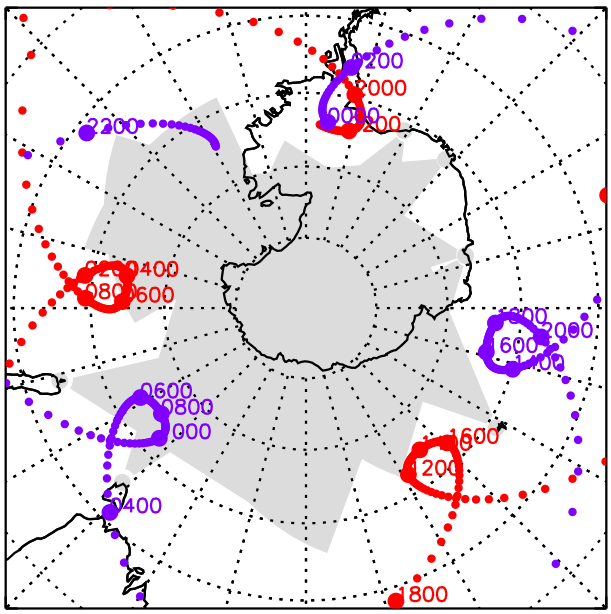
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

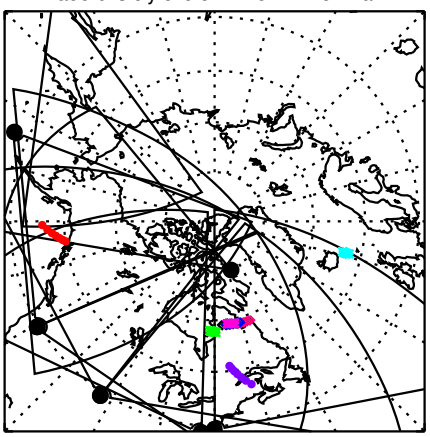
01−Sep−2013

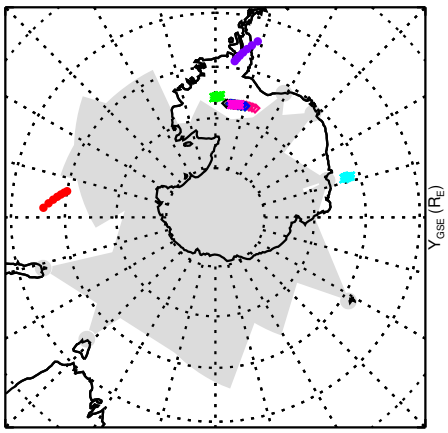
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

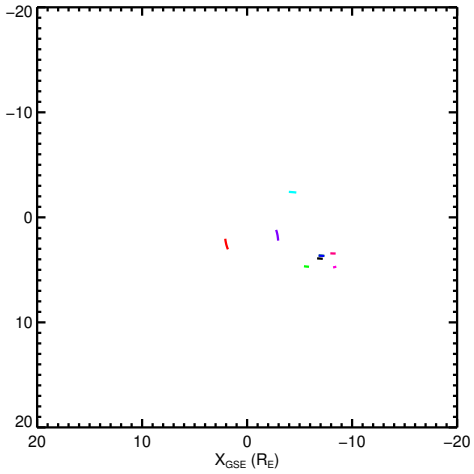




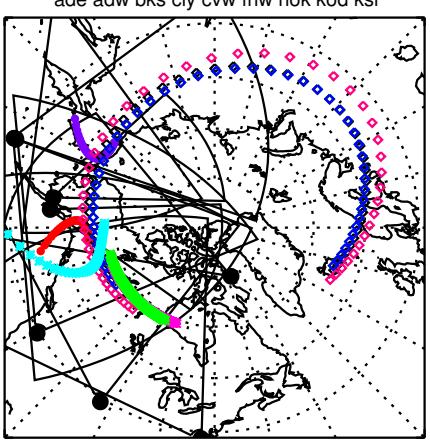
(a) 0140UT to 0210UT
ade bks cly cve cvw fhe fhw hok wal



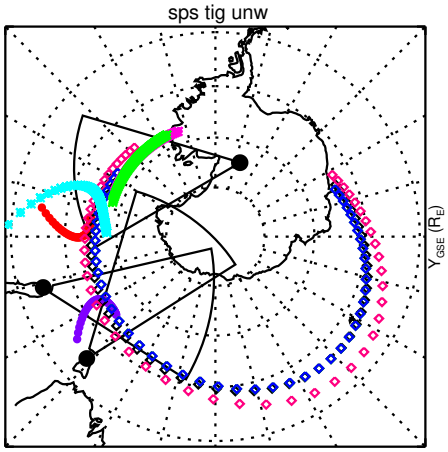


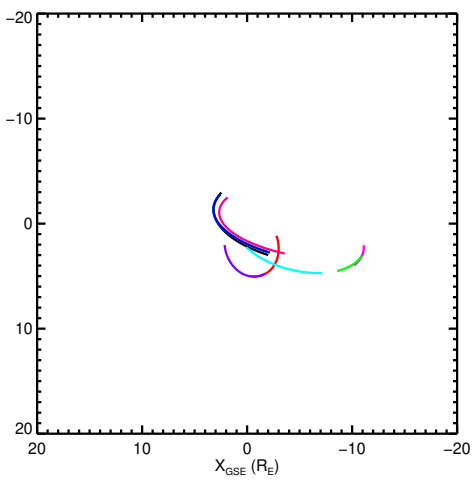


(b) 0420UT to 0830UT
ade adw bks cly cvw fhw hok kod ksr

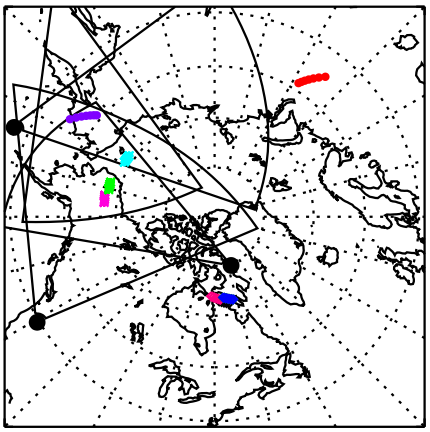


sps tig unw

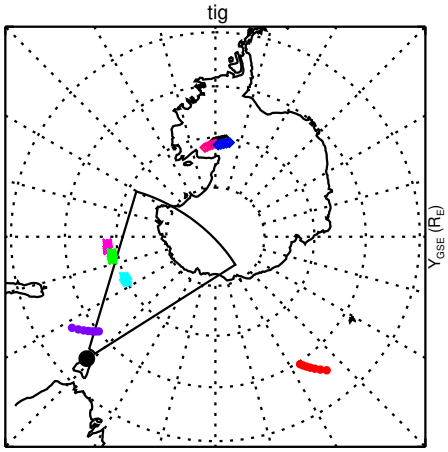


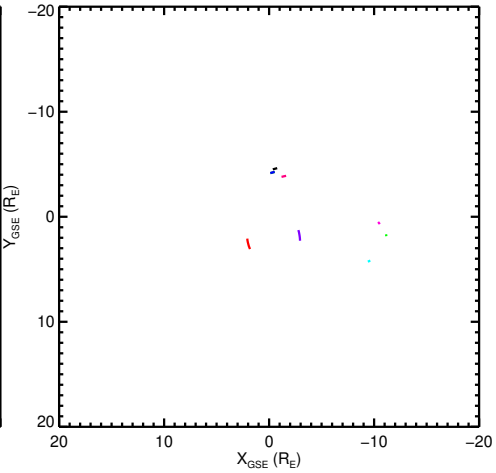


(c) 1040UT to 1110UT
adw cly cvw hok

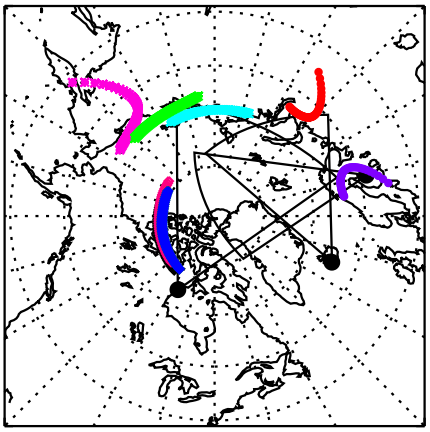


tig

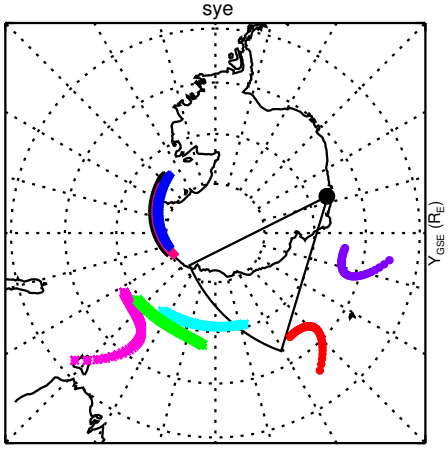


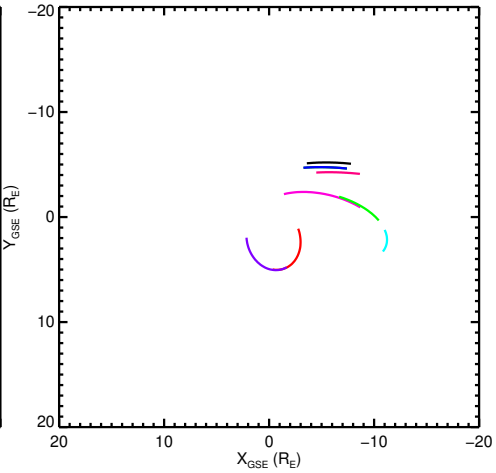


(d) 1320UT to 1730UT
han pyk rkn

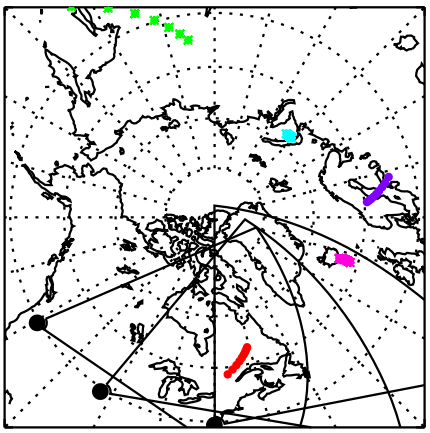


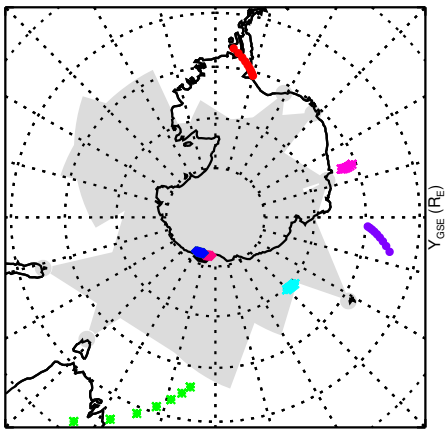
sye

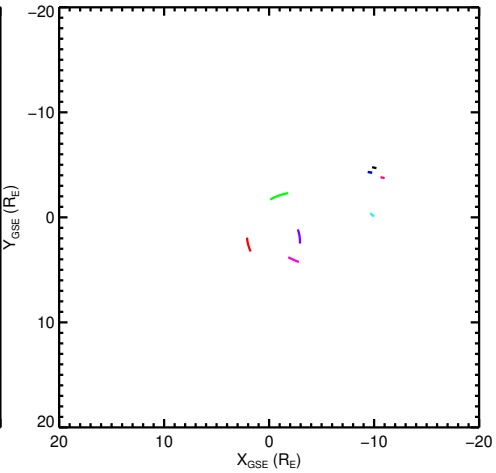




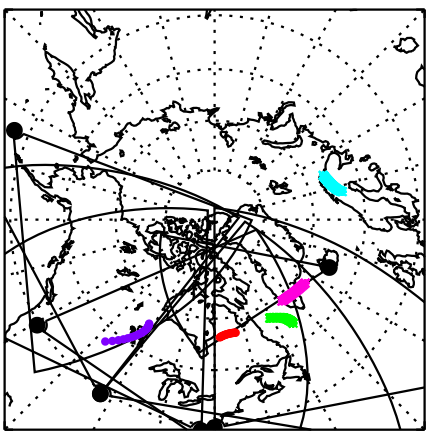
(e) 1935UT to 2015UT
cve fhe wal



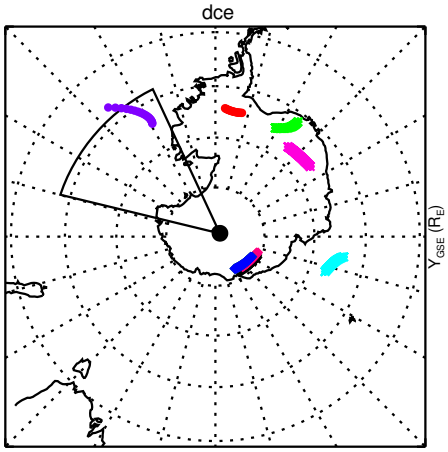


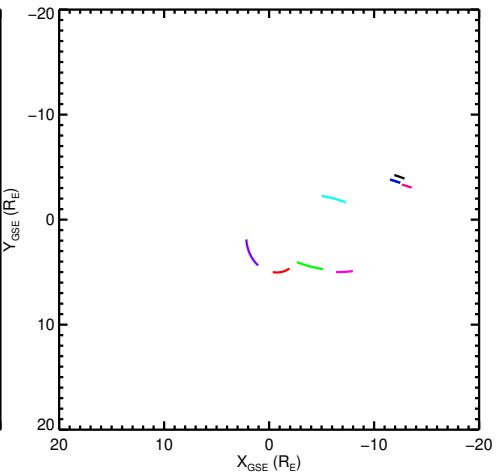


(f) 2220UT to 2355UT
ade bks cve fhe fhw sto wal



dce

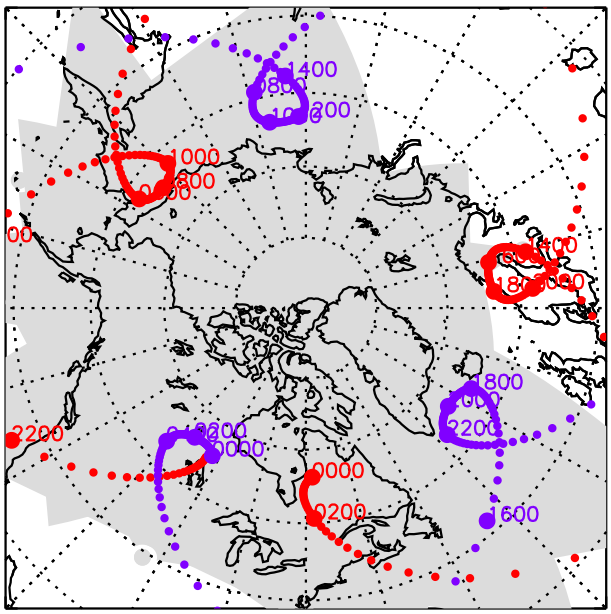


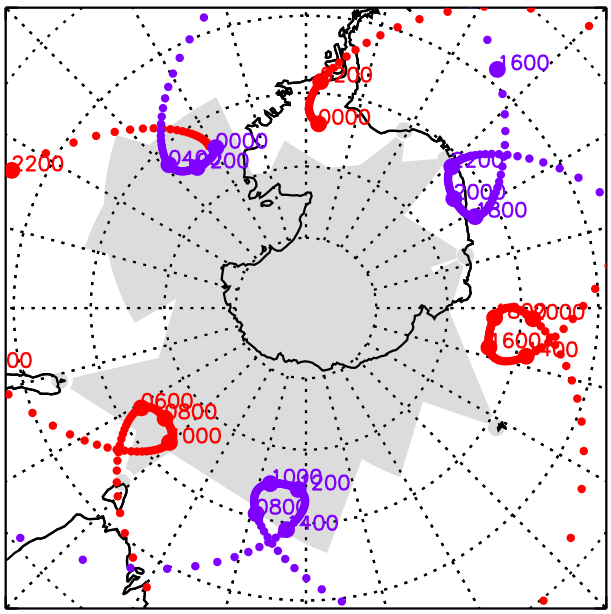


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

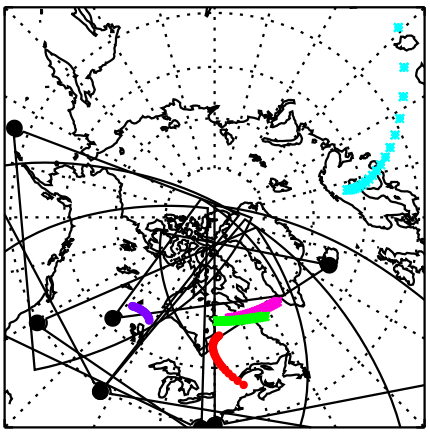
02–Sep–2013

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

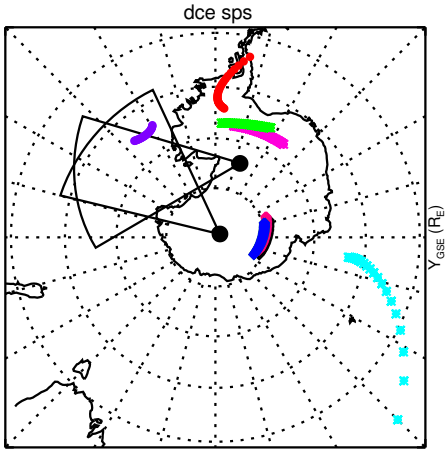


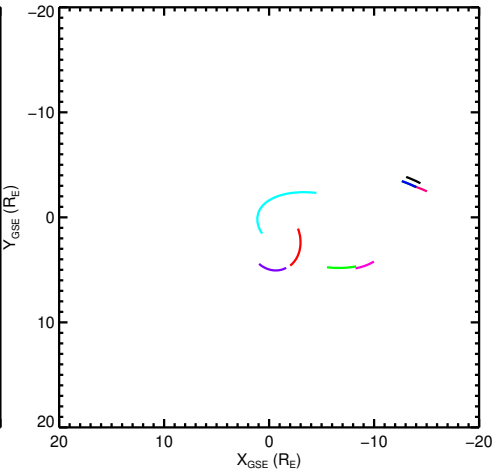


(a) 0000UT to 0230UT
ade bks cve fhe fhw sas sto wal

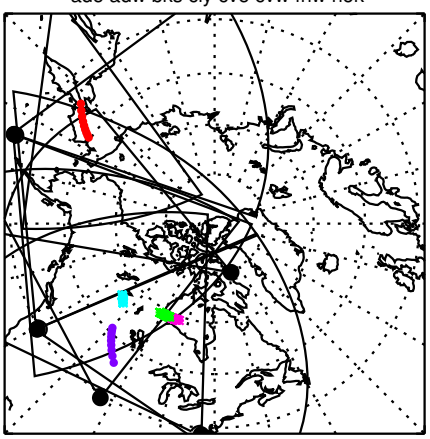


dce sps

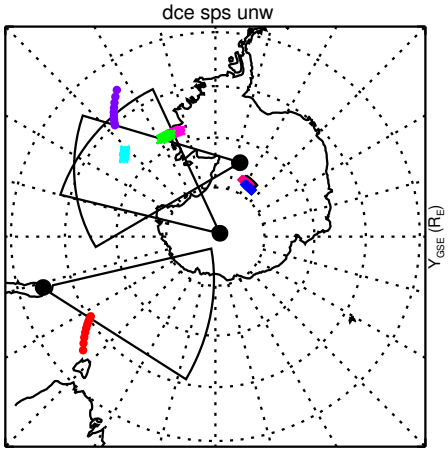


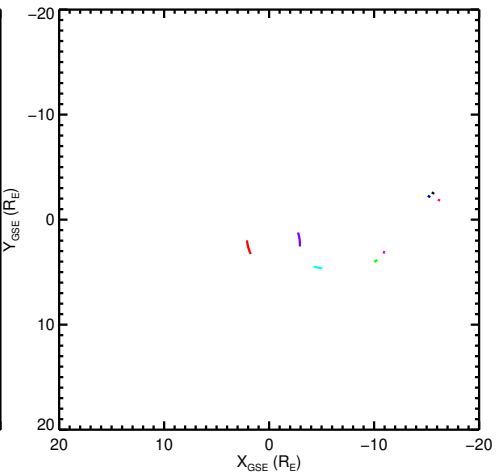


(b) 0435UT to 0515UT
ade adw bks cly cve cvw fhw hok



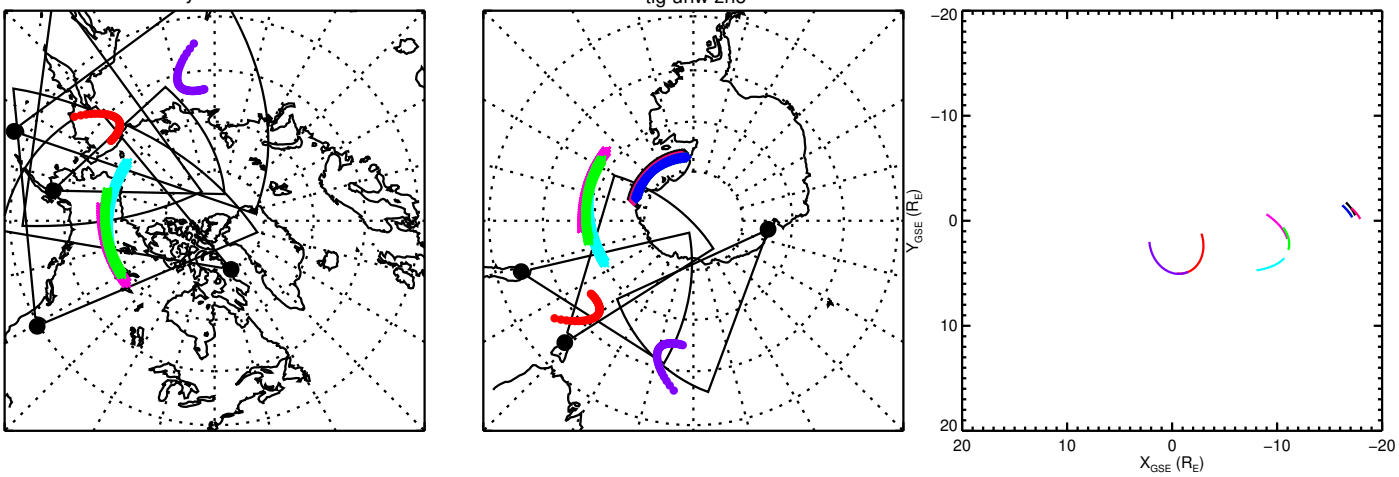
dce sps unw





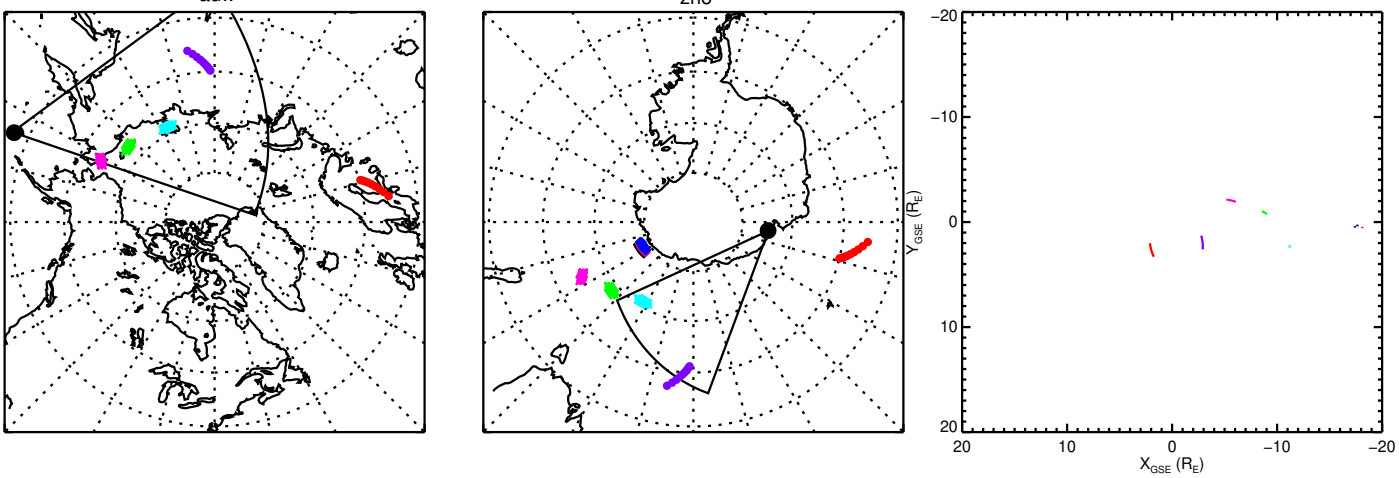
(c) 0725UT to 1125UT
adw cly cvw hok ksr

tig unw zho

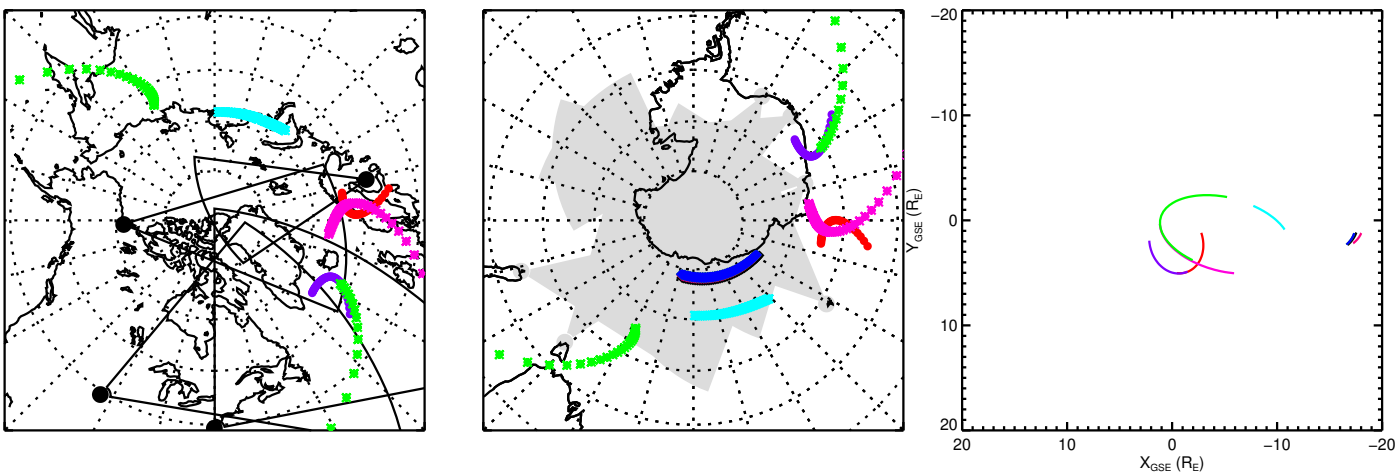


(d) 1335UT to 1415UT
adw

zho

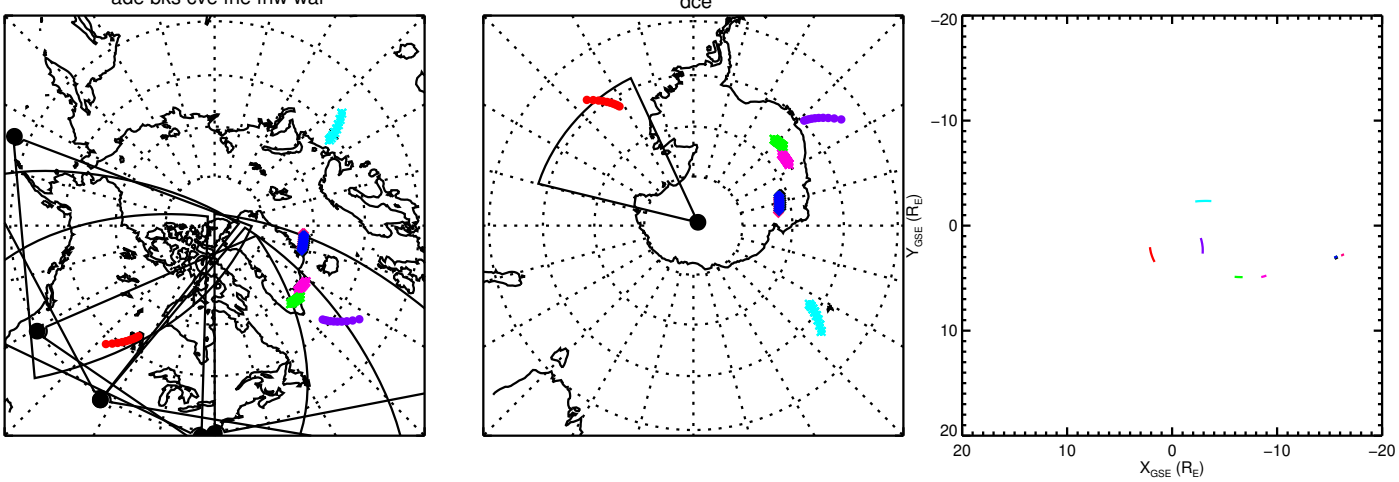


(e) 1625UT to 2025UT
fhe han inv wal



(f) 2235UT to 2320UT
ade bks cve fhe fhw wal

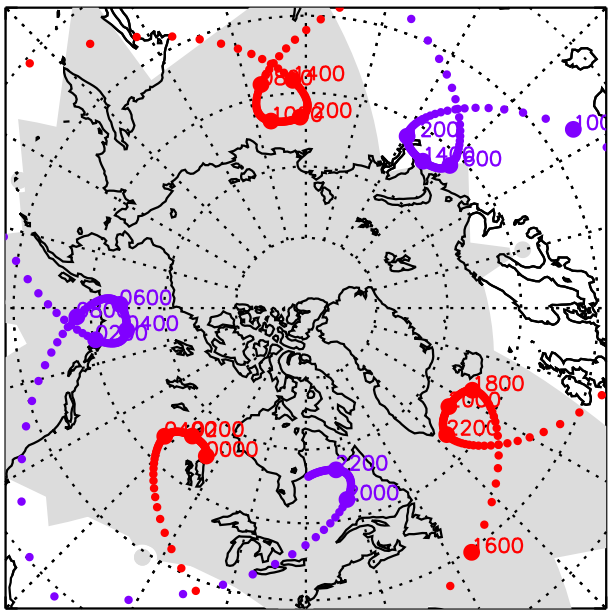
dce

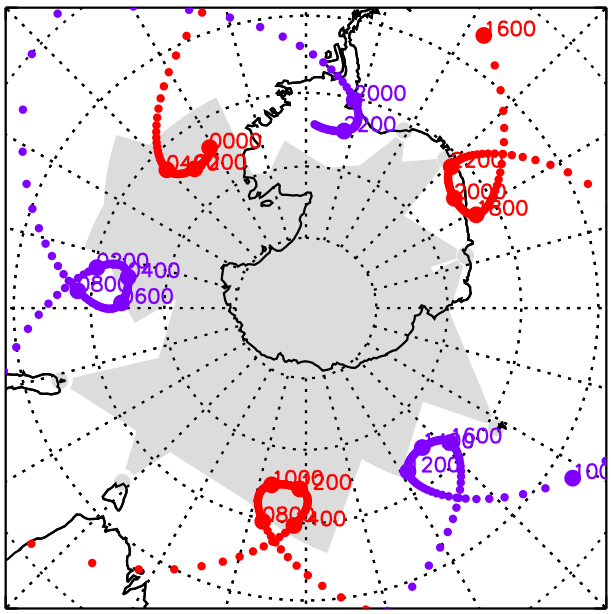


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

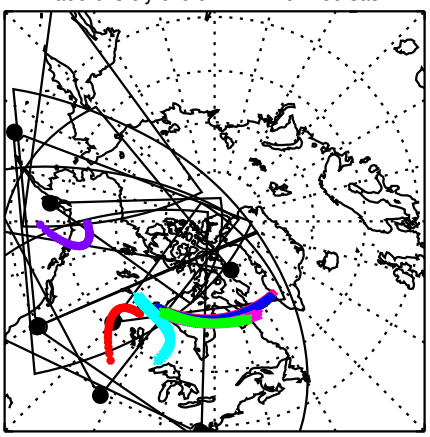
03–Sep–2013

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

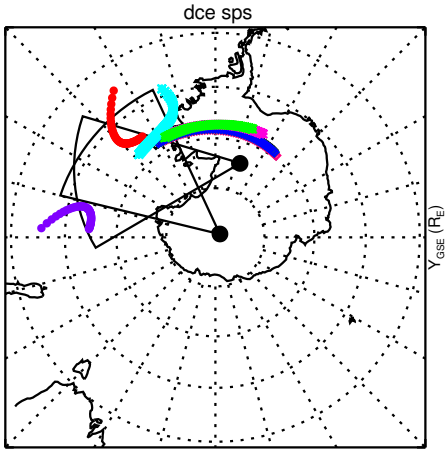


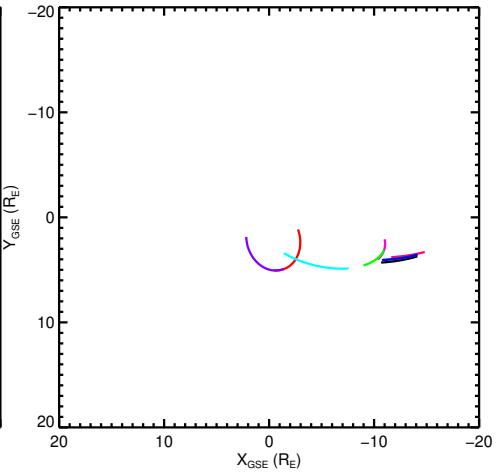


(a) 0125UT to 0525UT
ade bks cly cve cvw fhw hok kod sas

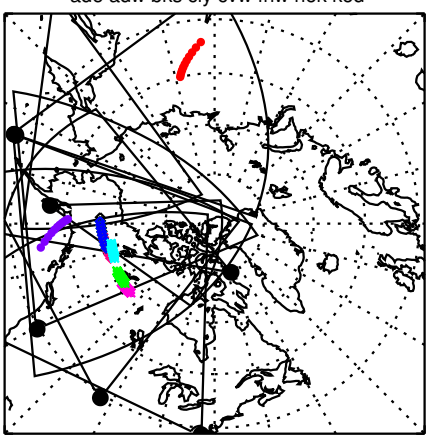


dce sps

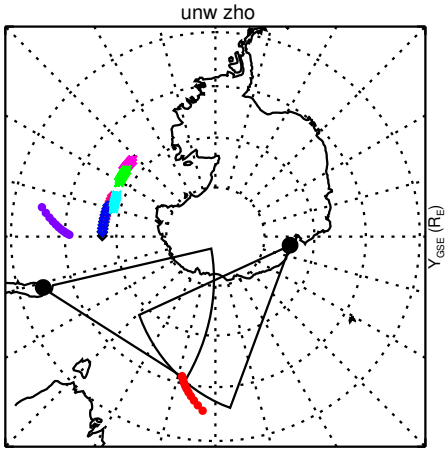


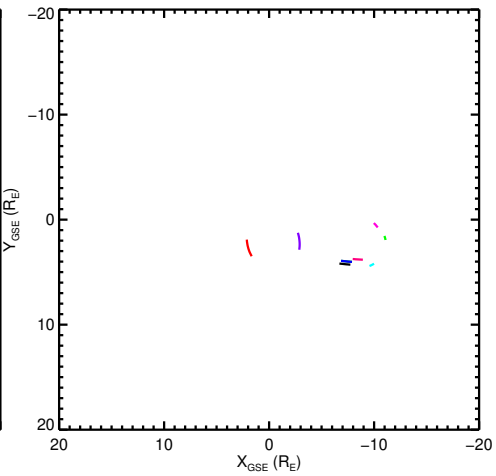


(b) 0730UT to 0820UT
ade adw bks cly cvw fhw hok kod



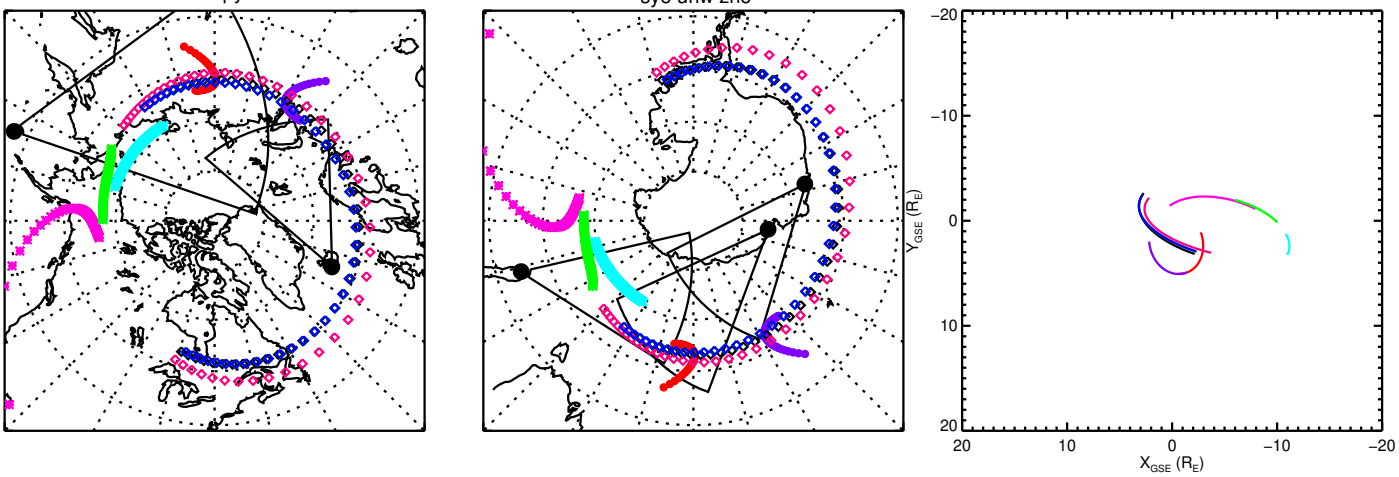
unw zho



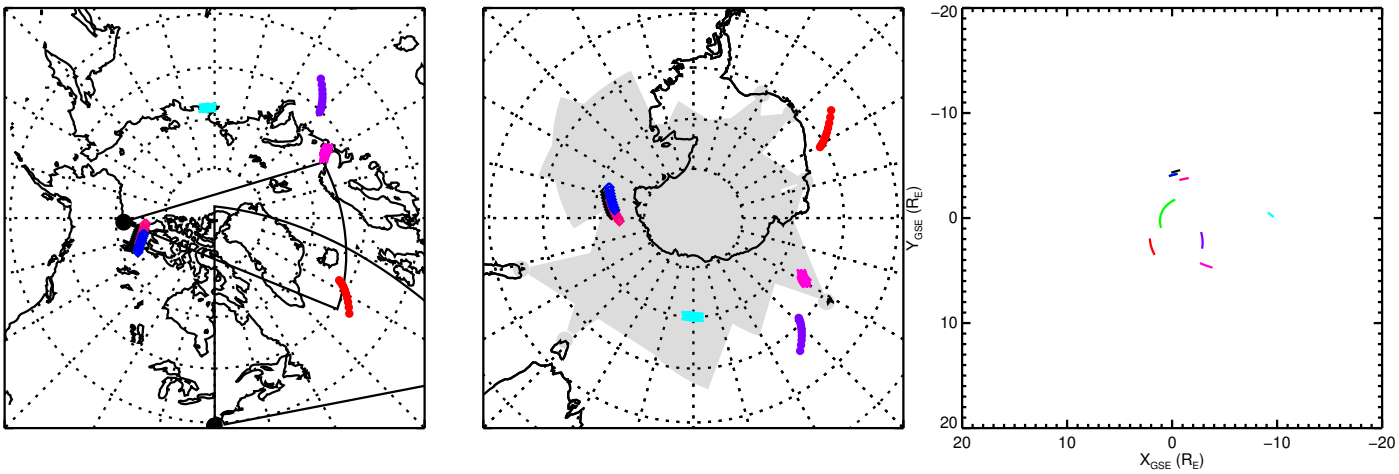


(c) 1030UT to 1425UT
adw pyk

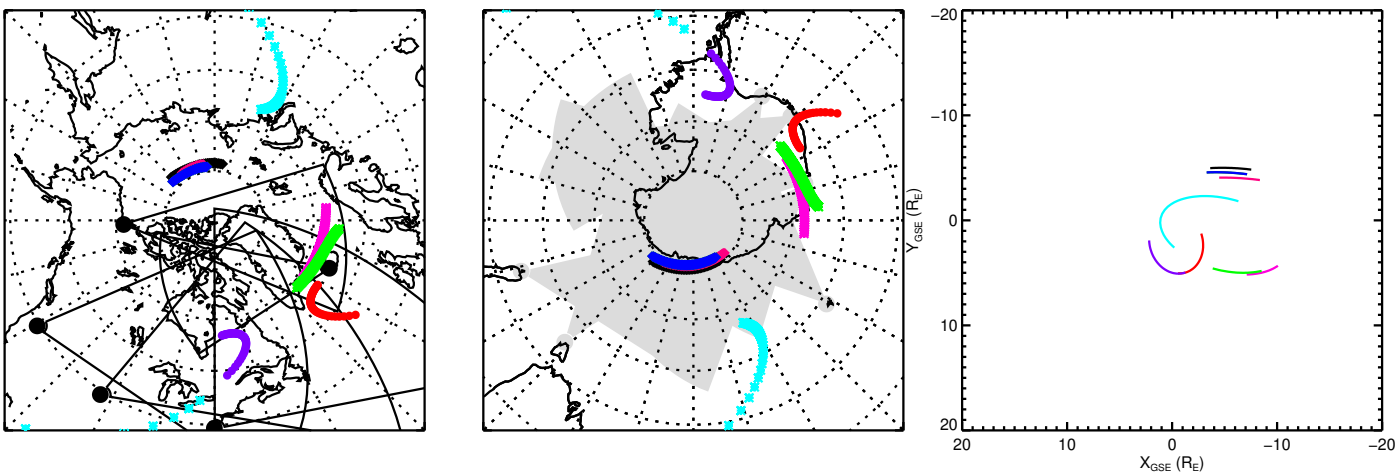
sye unw zho



(d) 1630UT to 1720UT
inv wal



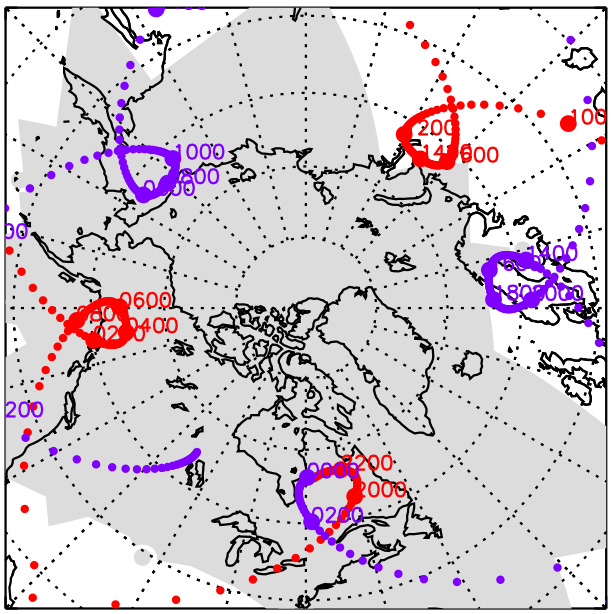
(e) 1930UT to 2320UT
cve fhe inv sto wal

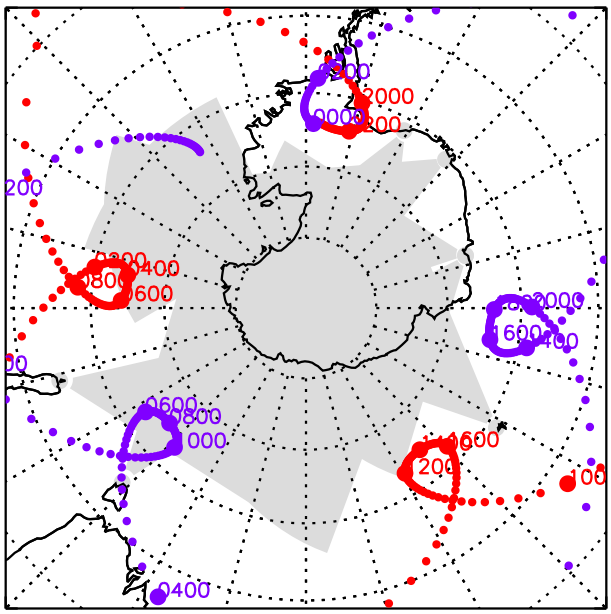


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

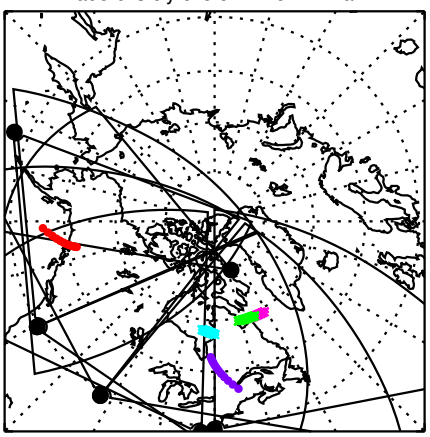
04–Sep–2013

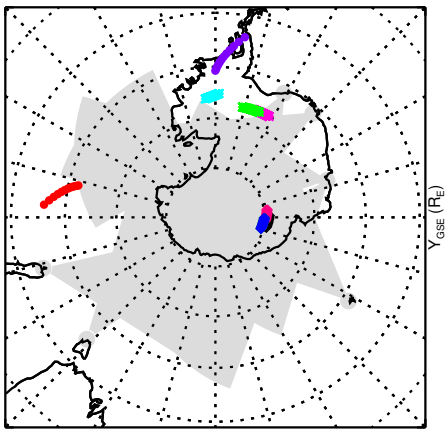
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

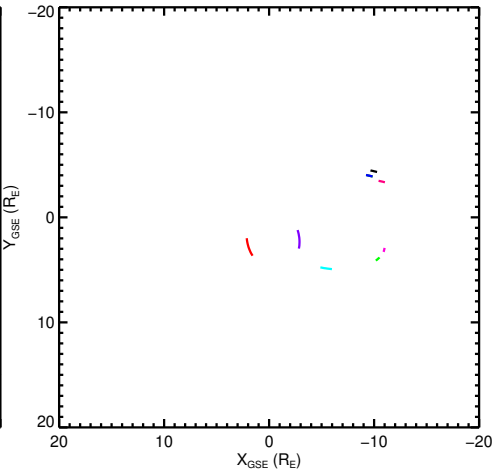




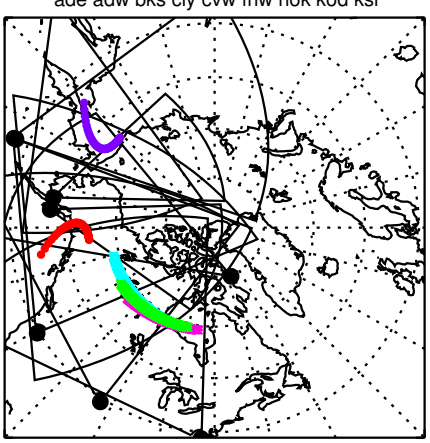
(a) 0130UT to 0225UT
ade bks cly cve cvw fhe fhw wal



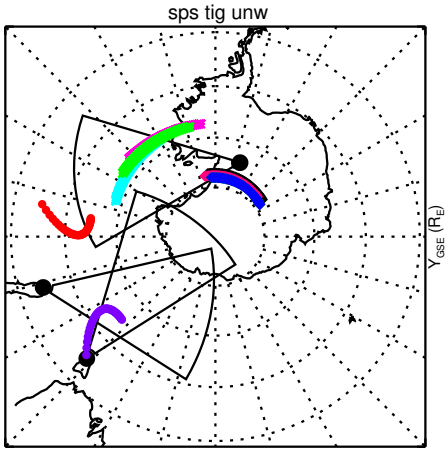


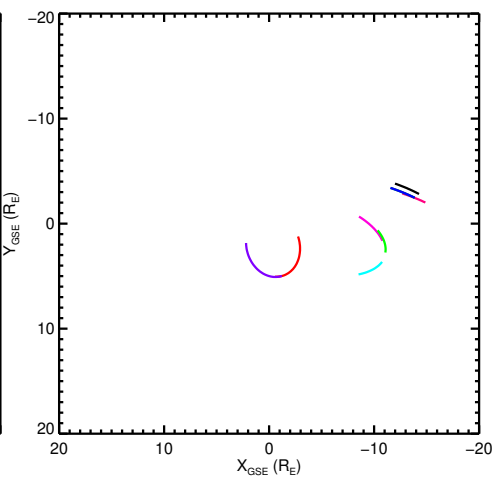


(b) 0430UT to 0820UT
ade adw bks cly cvw fhw hok kod ksr



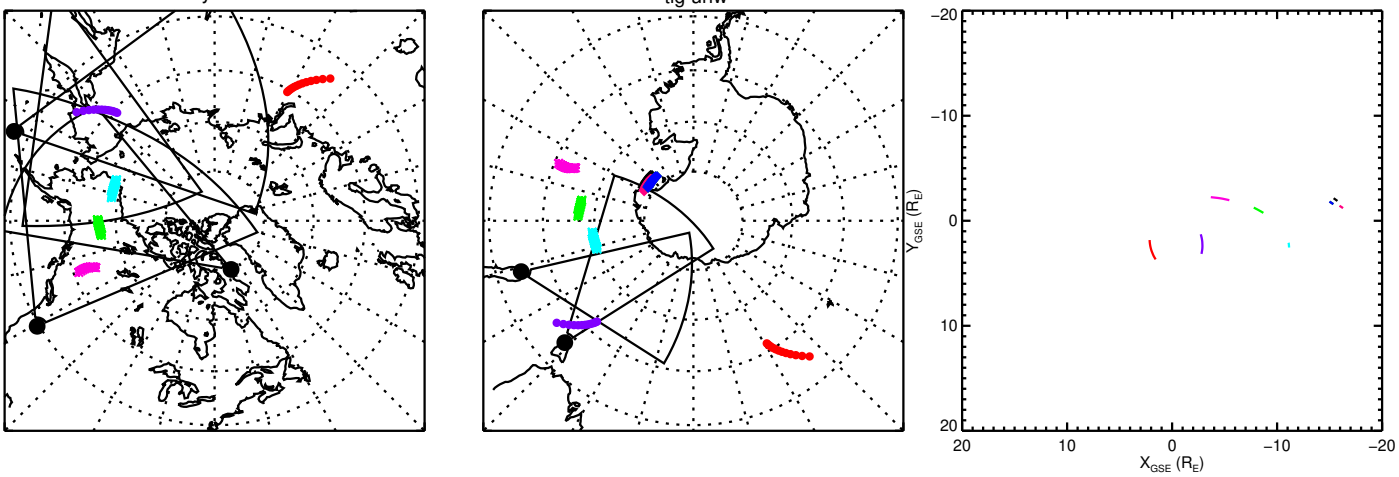
sps tig unw





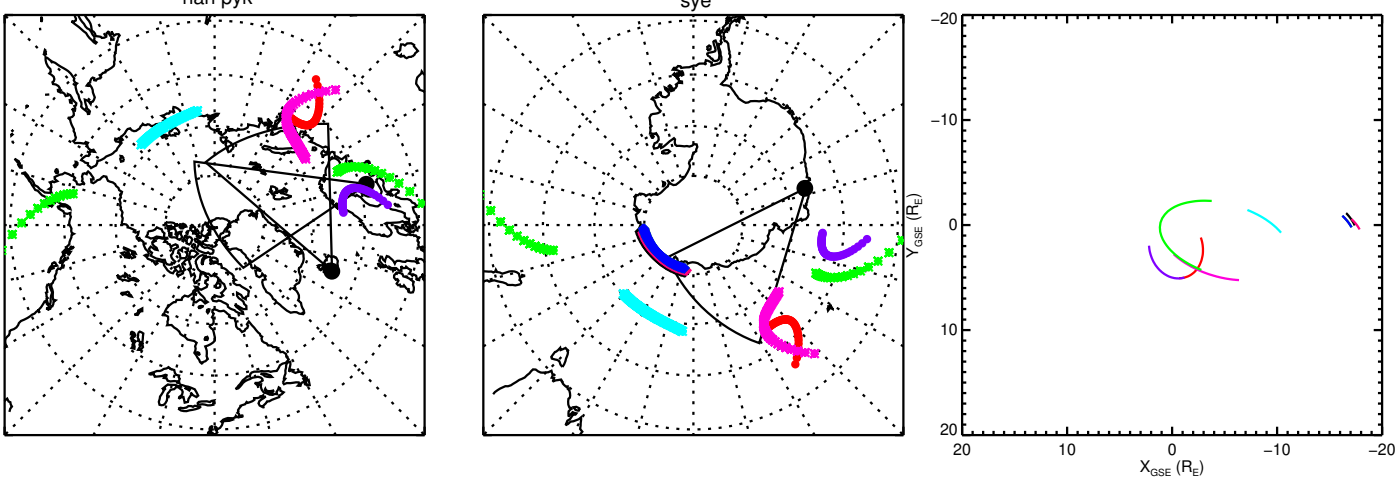
(c) 1025UT to 1125UT
adw cly cvw hok

tig unw

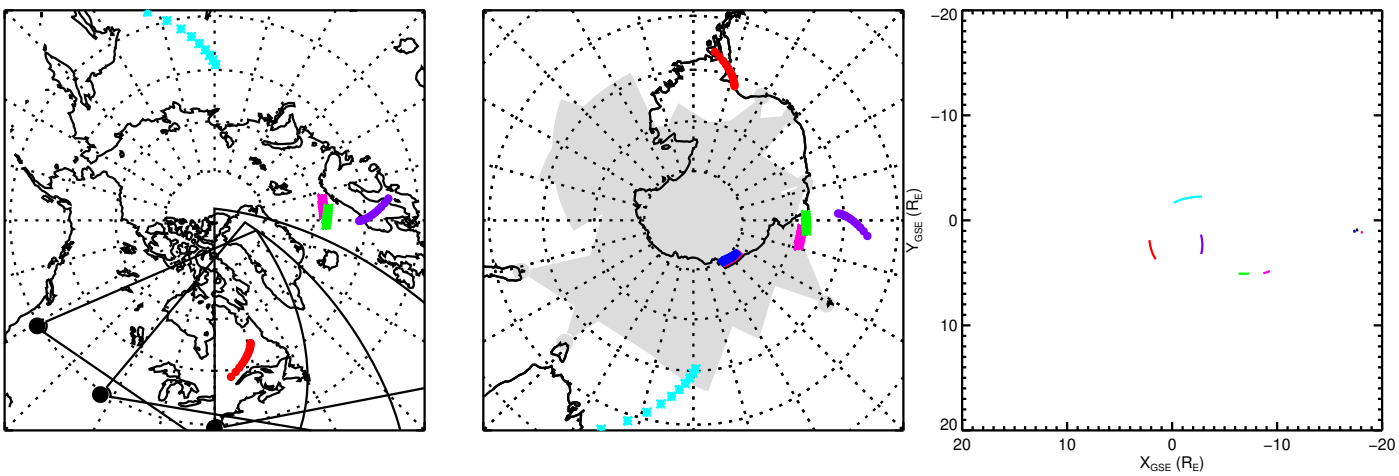


(d) 1335UT to 1720UT
han pyk

sye

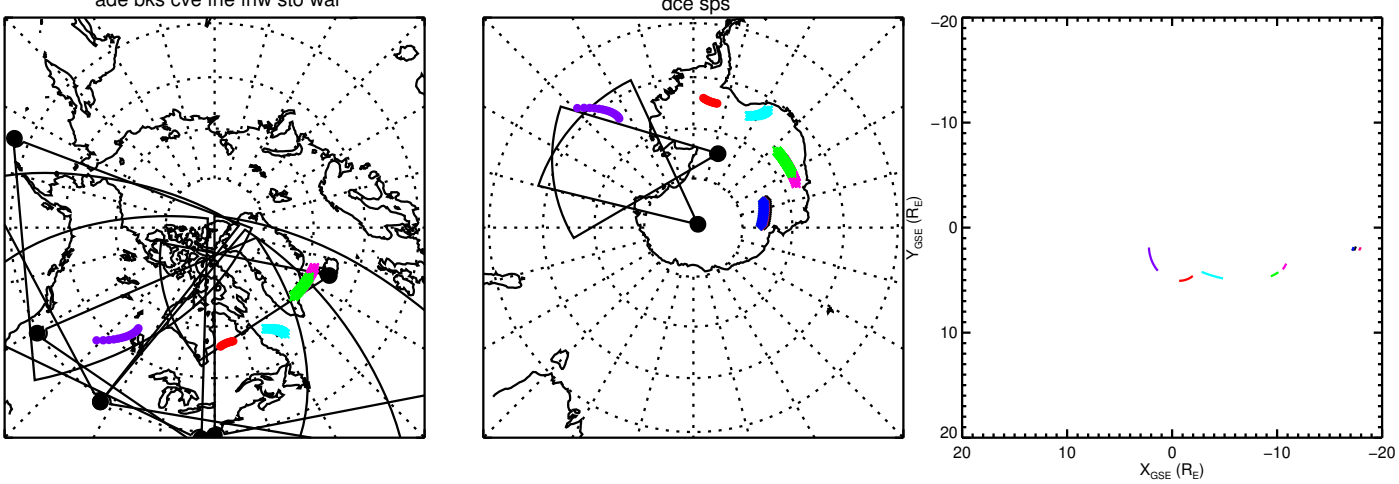


(e) 1925UT to 2025UT
cve fhe wal



(f) 2235UT to 2355UT
ade bks cve fhe fhw sto wal

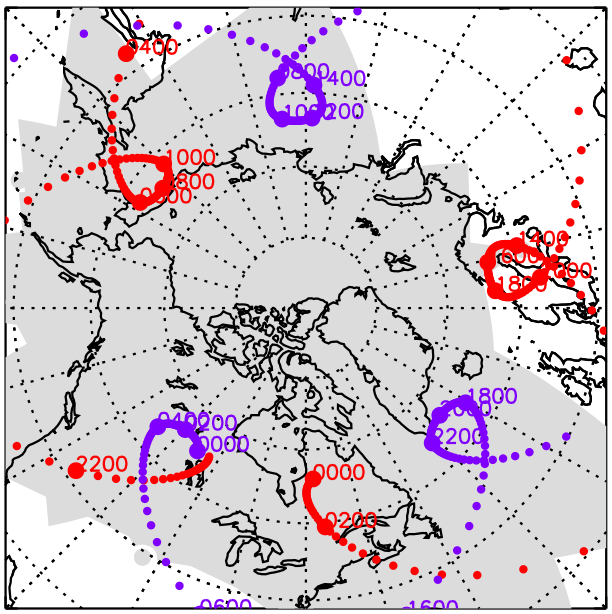
dce sps

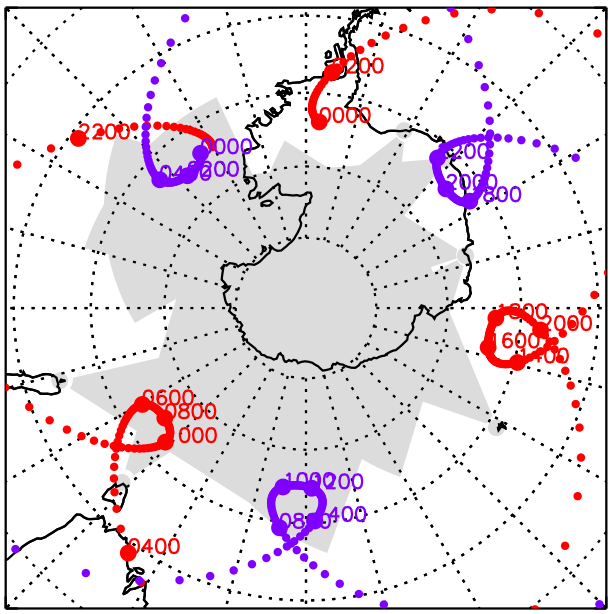


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

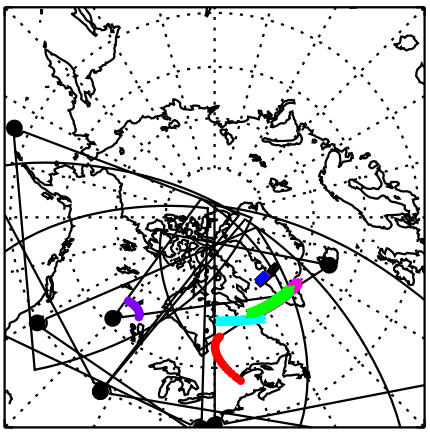
05–Sep–2013

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

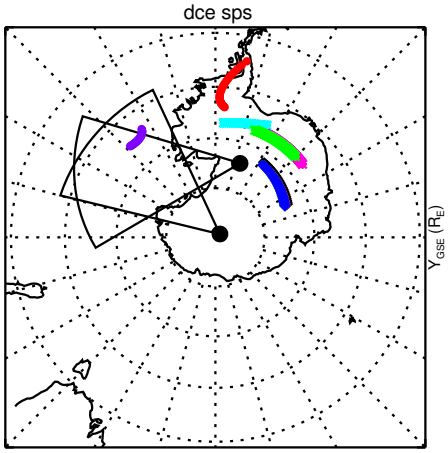


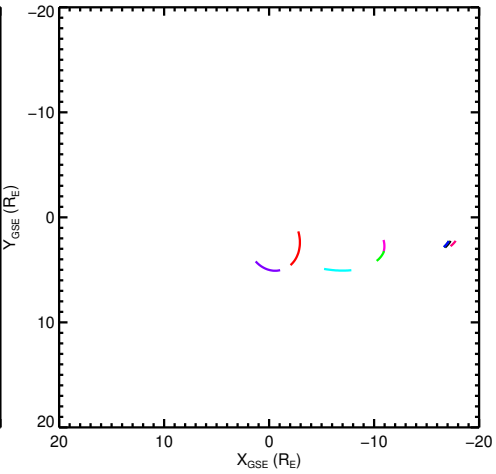


(a) 0000UT to 0215UT
ade bks cve fhe fhw sas sto wal

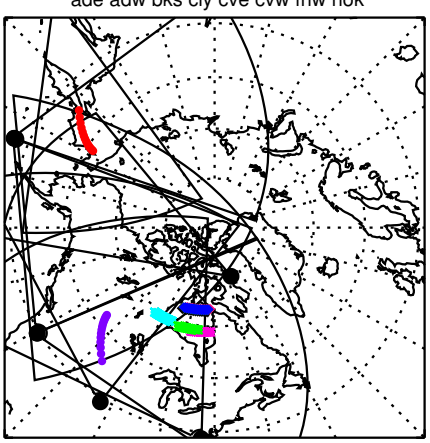


dce sps

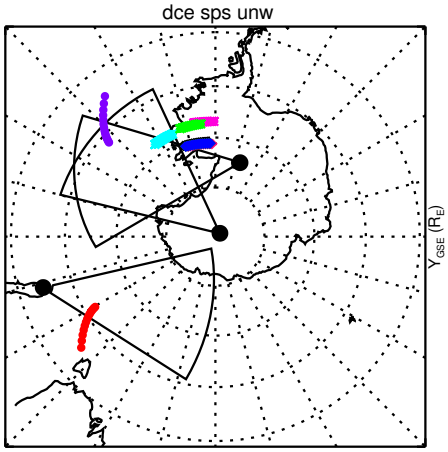


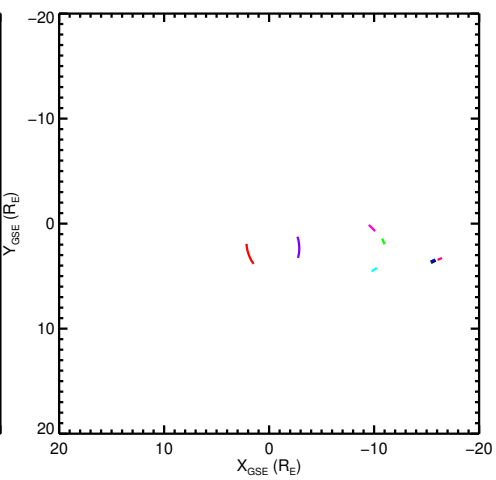


(b) 0425UT to 0530UT
ade adw bks cly cve cvw fhw hok



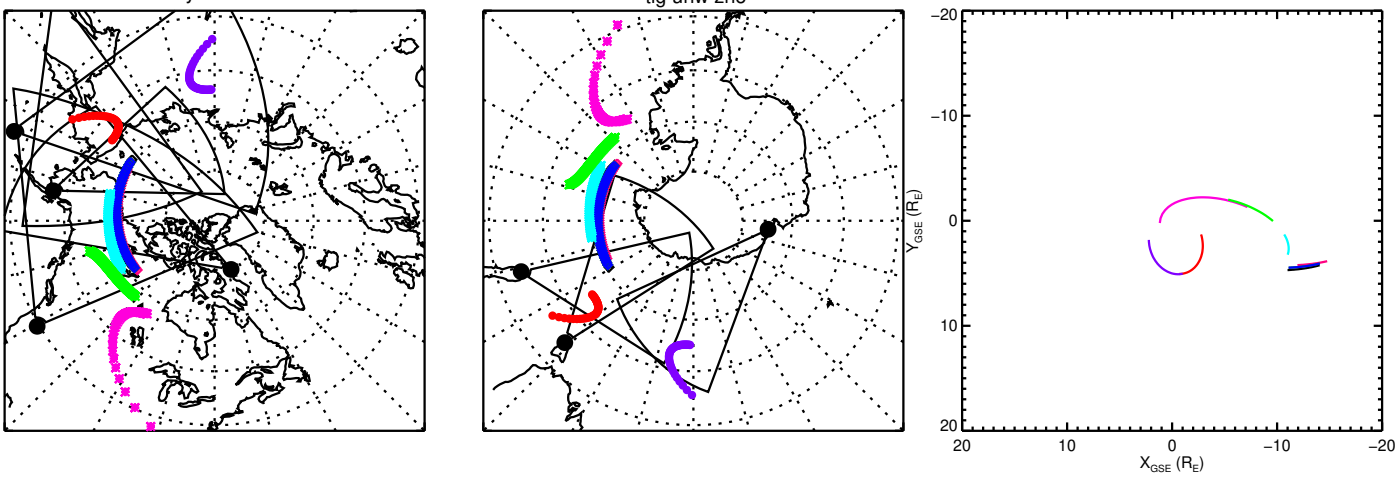
dce sps unw





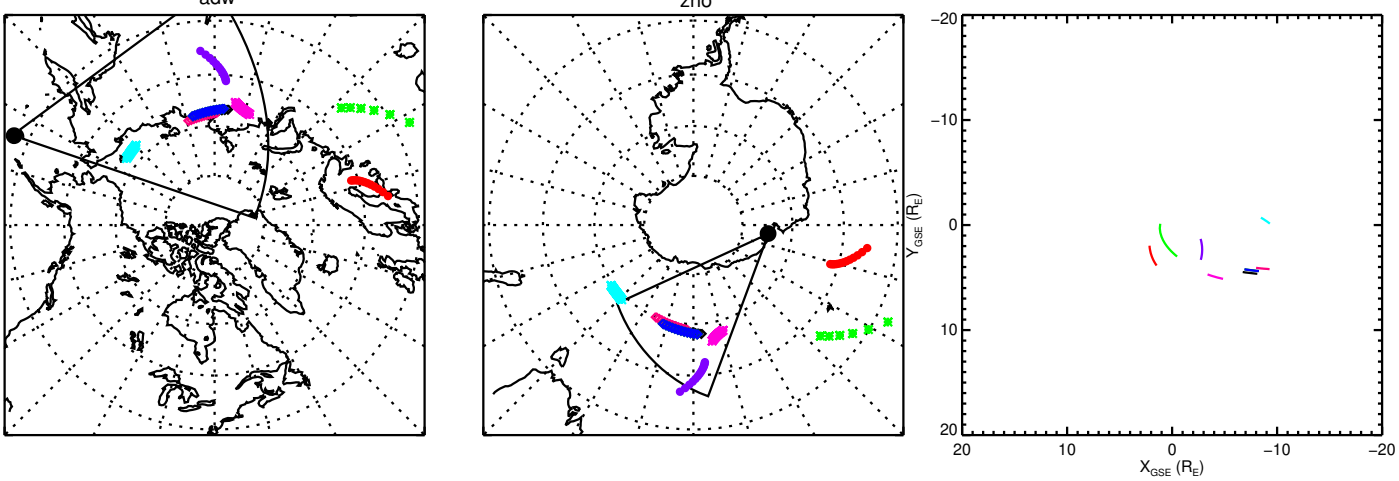
(c) 0735UT to 1115UT
adw cly cvw hok ksr

tig unw zho

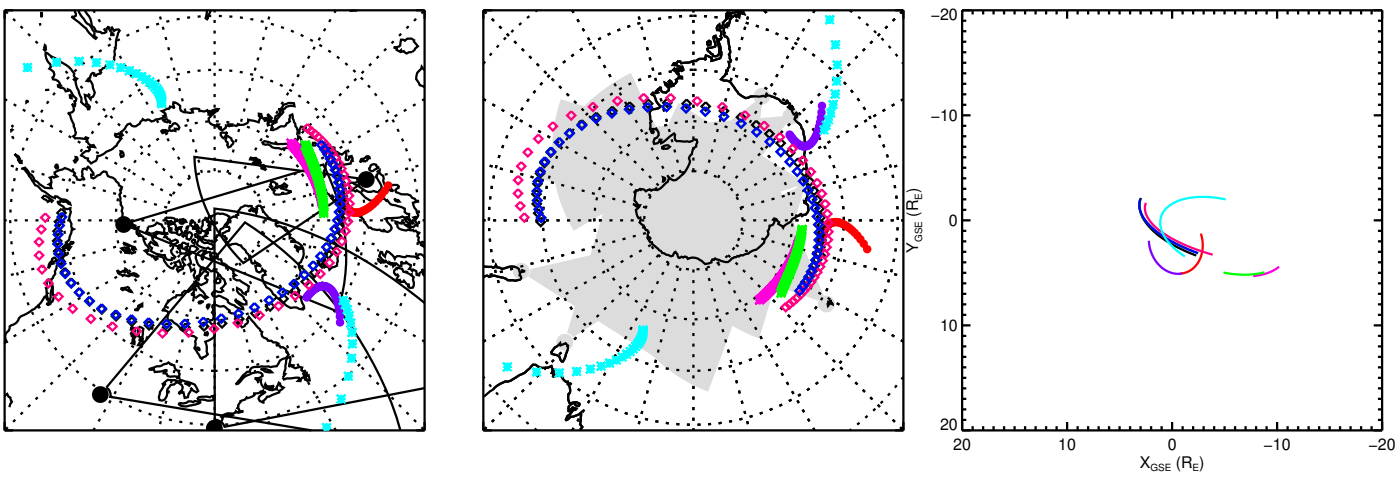


(d) 1325UT to 1430UT
adw

zho

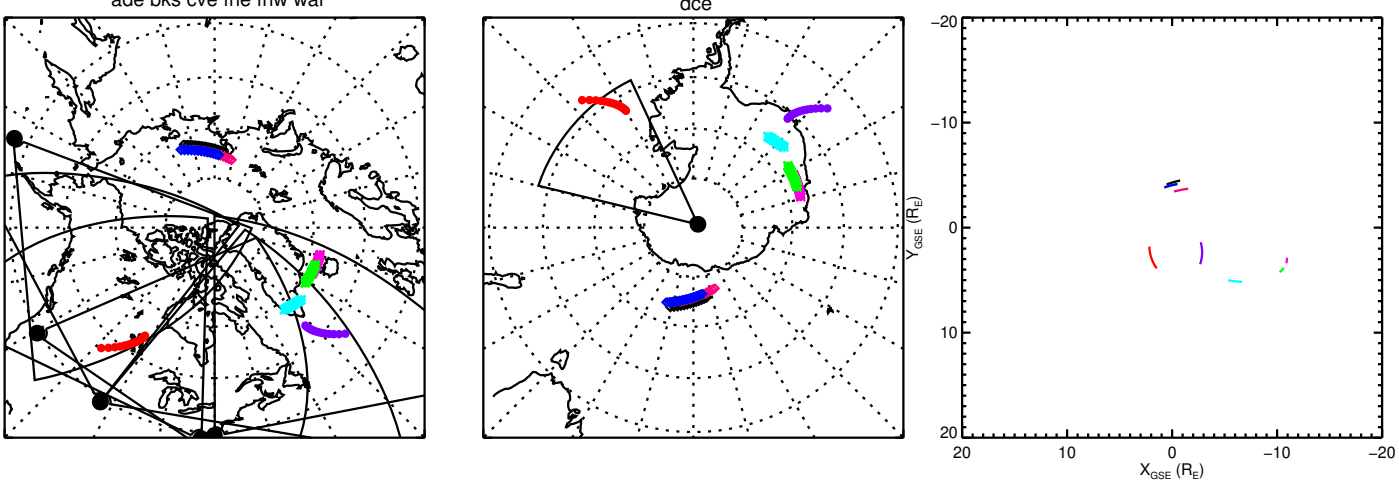


(e) 1640UT to 2015UT
fhe han inv wal



(f) 2220UT to 2330UT
ade bks cve fhe fhw wal

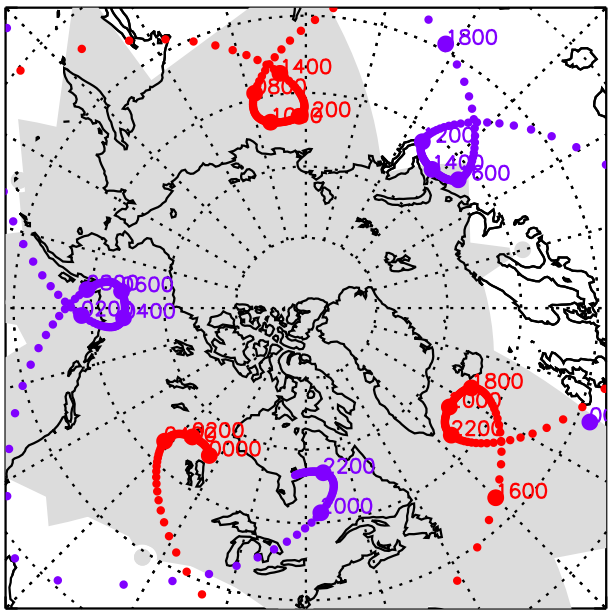
dce

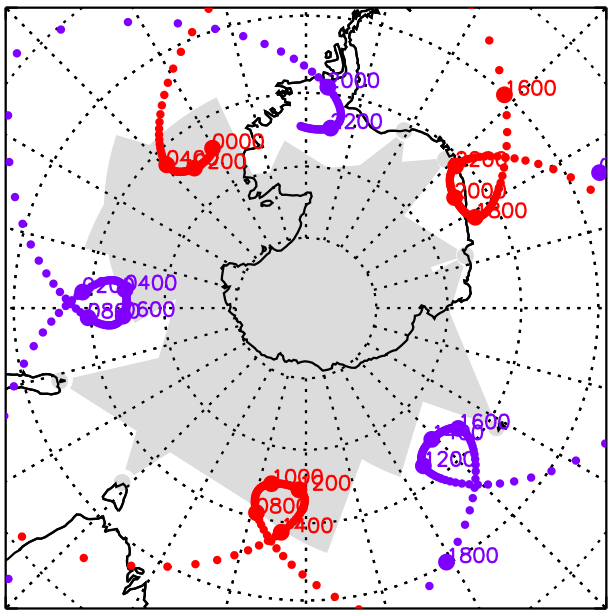


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

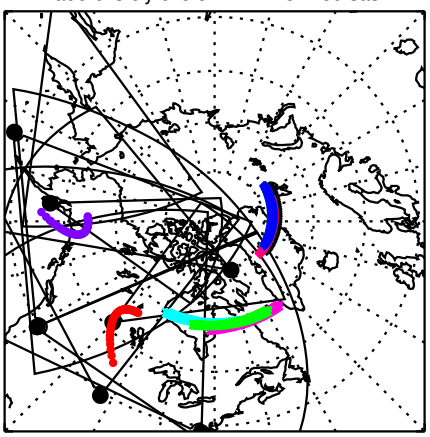
06–Sep–2013

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

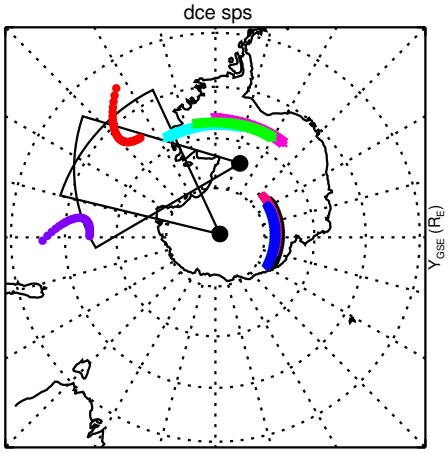


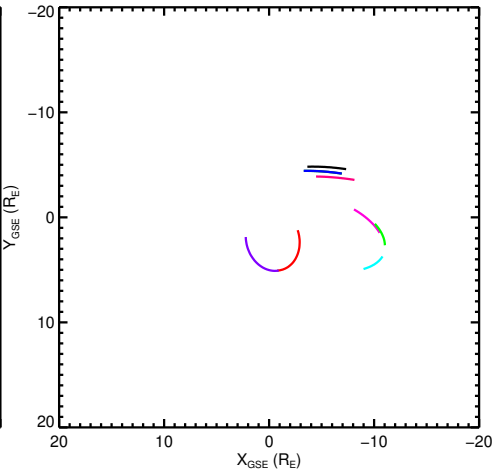


(a) 0140UT to 0515UT
ade bks cly cve cvw fhw hok kod sas

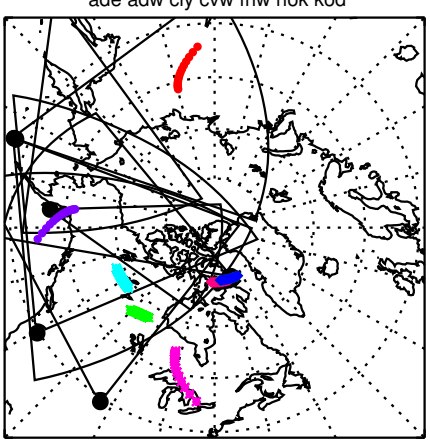


dce sps

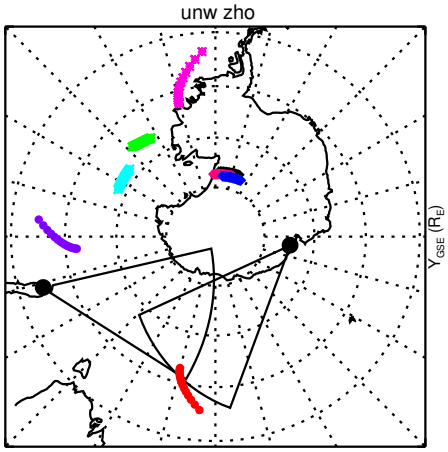


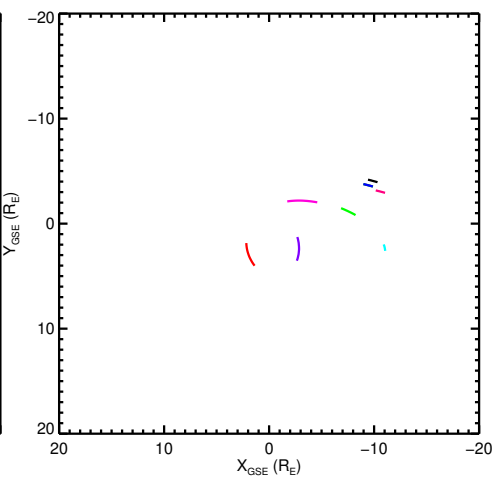


(b) 0720UT to 0835UT
ade adw cly cvw fhw hok kod



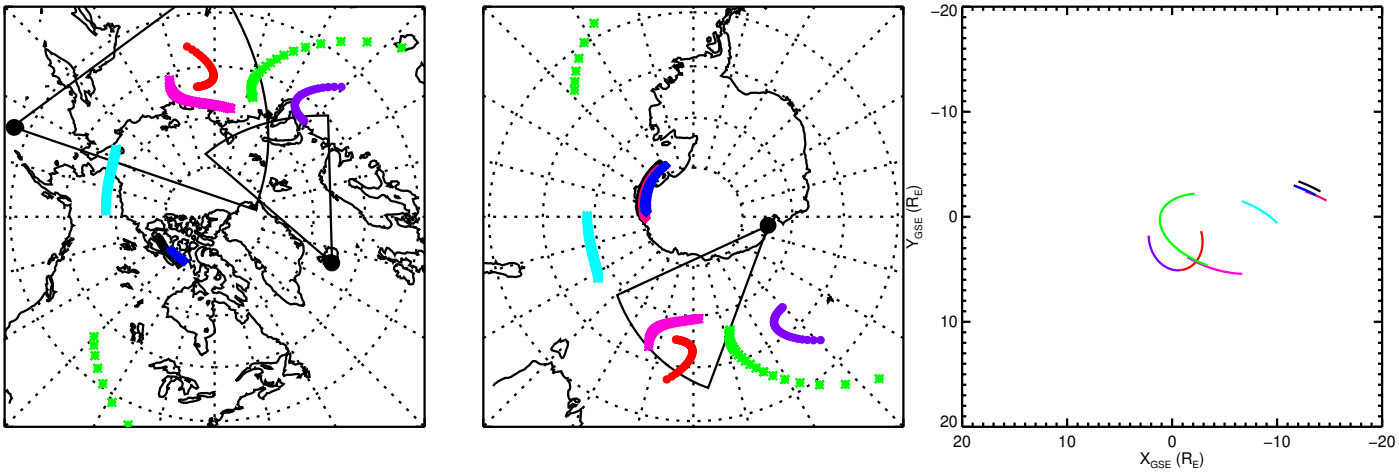
unw zho



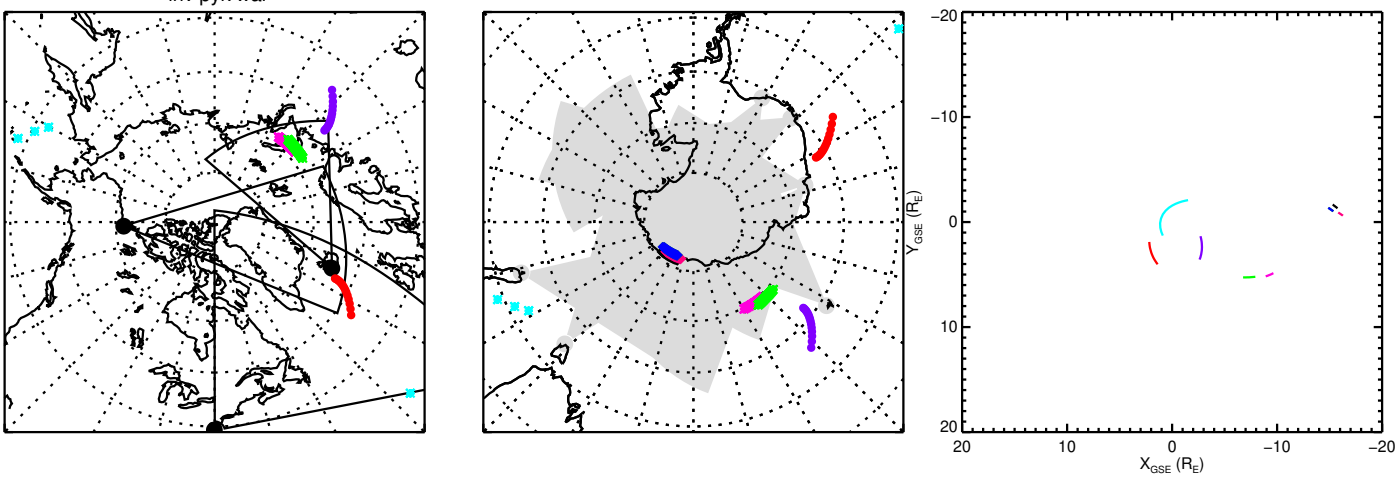


(c) 1040UT to 1410UT
adw pyk

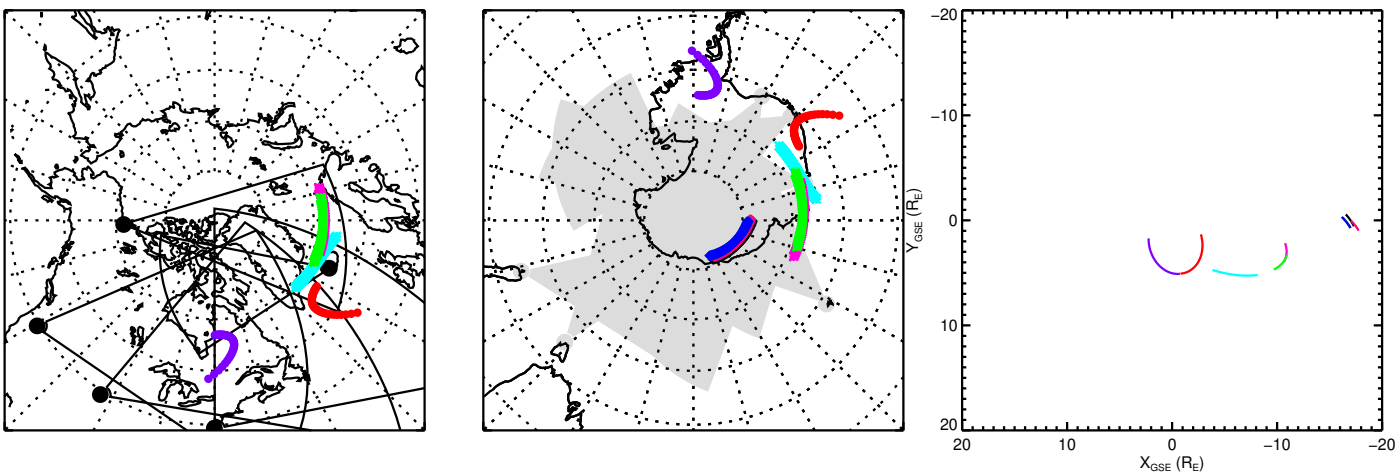
zho



(d) 1620UT to 1735UT
inv pyk wal



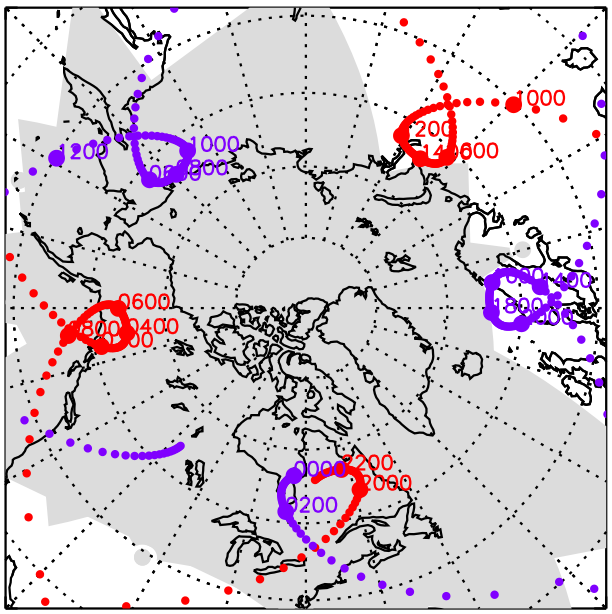
(e) 1940UT to 2310UT
cve fhe inv sto wal

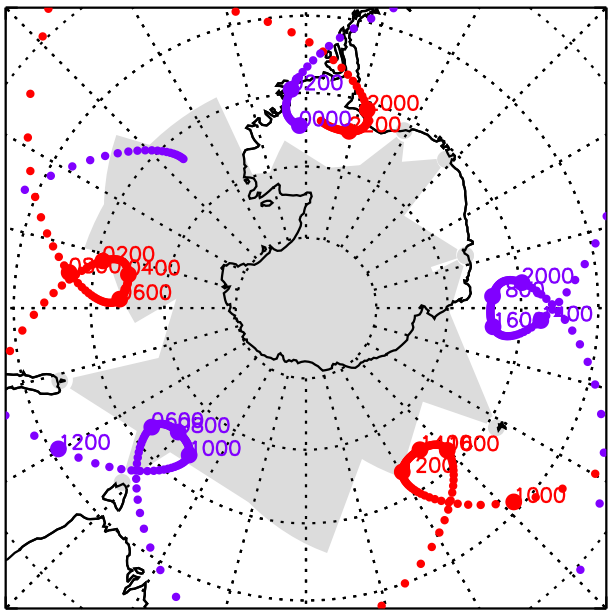


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

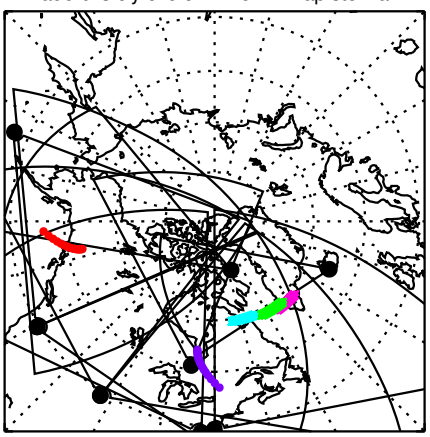
07–Sep–2013

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

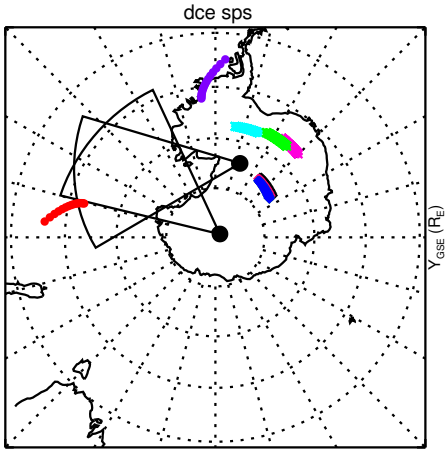


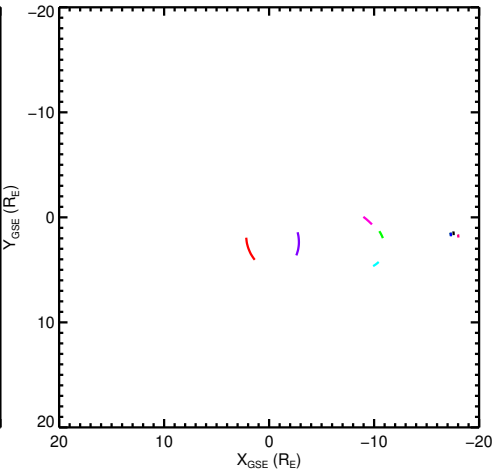


(a) 0120UT to 0235UT
ade bks cly cve cvw fhe fhw kap sto wal

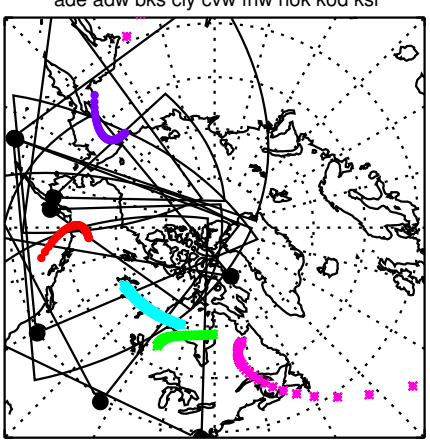


dce sps

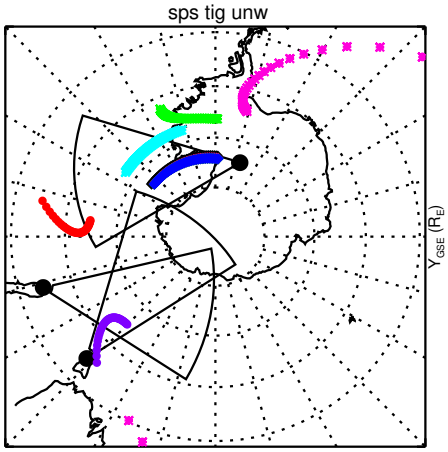


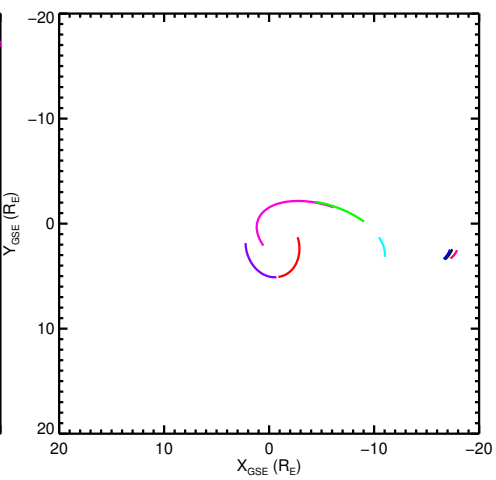


(b) 0445UT to 0810UT
ade adw bks cly cvw fhw hok kod ksr



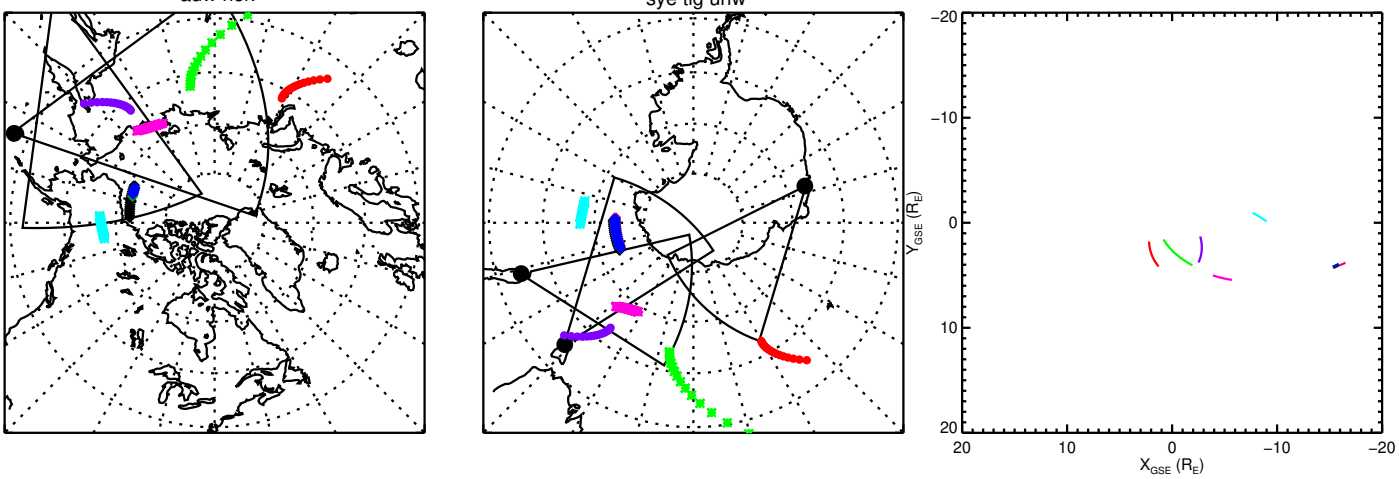
sps tig unw



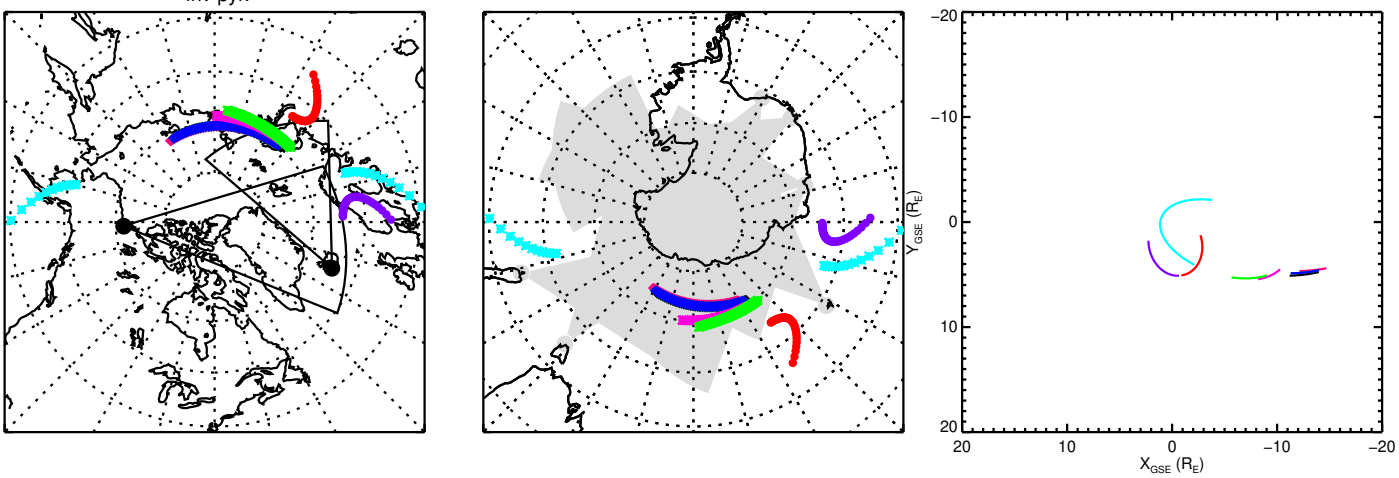


(c) 1015UT to 1140UT
adw hok

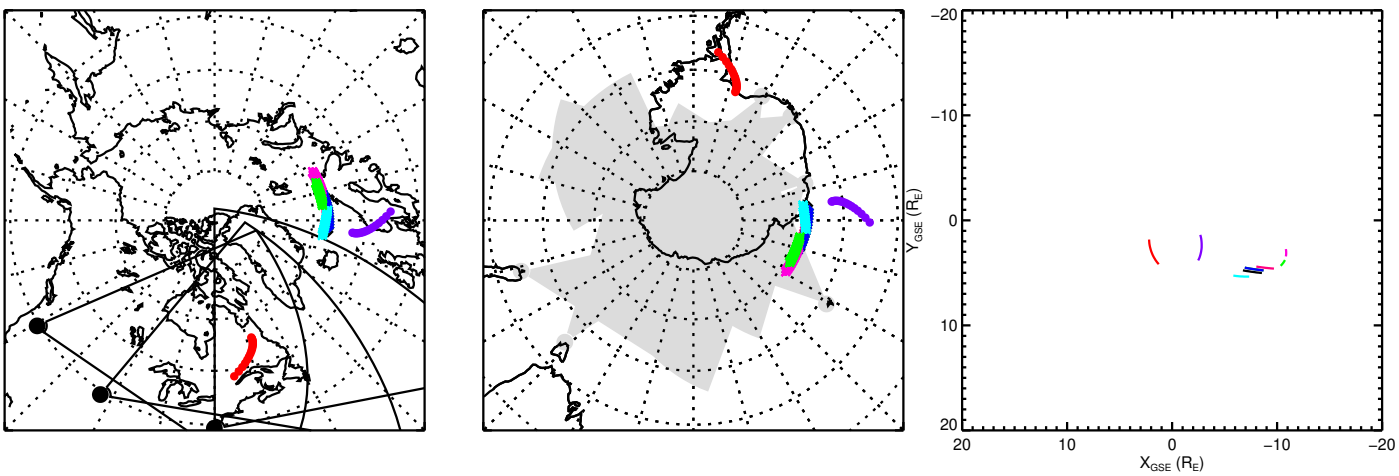
sye tig unw



(d) 1345UT to 1710UT
inv pyk

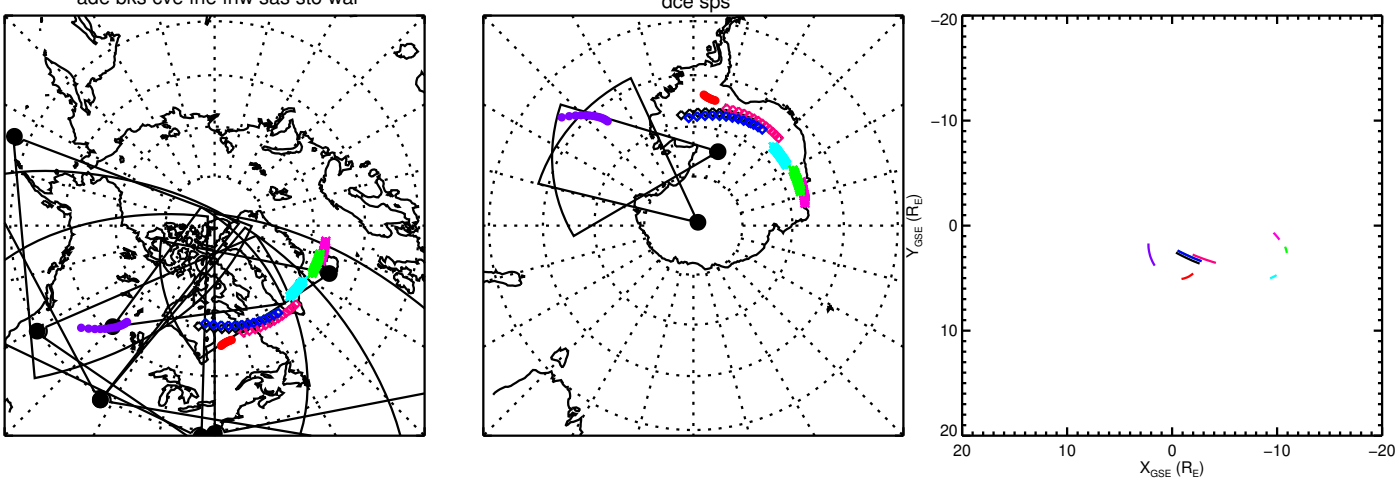


(e) 1915UT to 2040UT
cve fhe wal



(f) 2245UT to 2355UT
ade bks cve fhe fhw sas sto wal

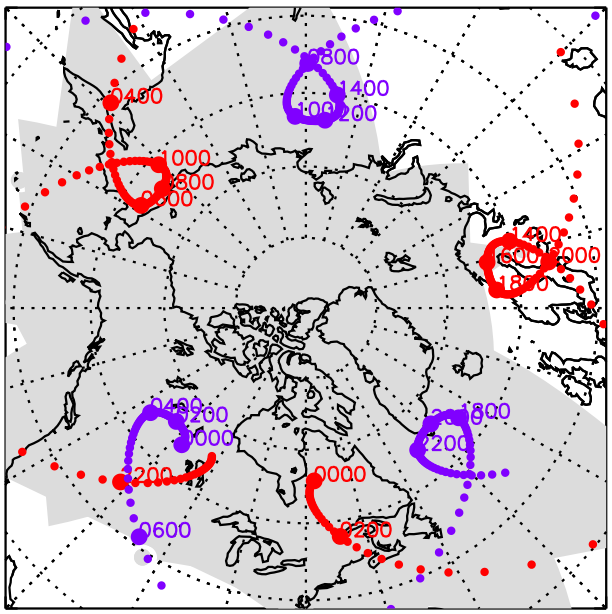
dce sps

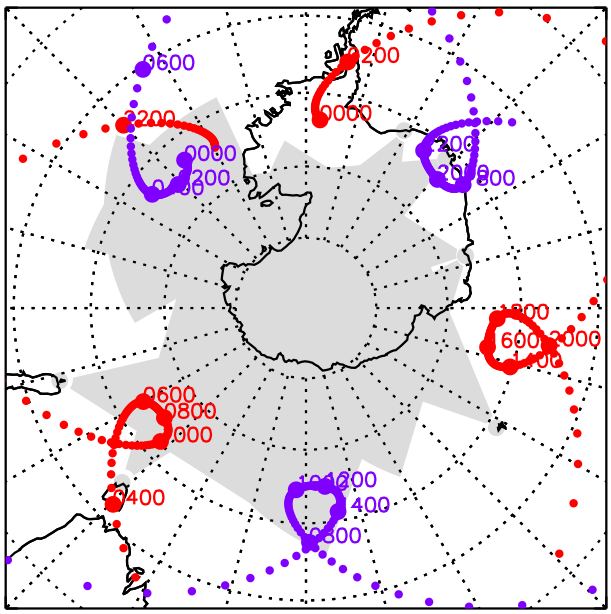


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

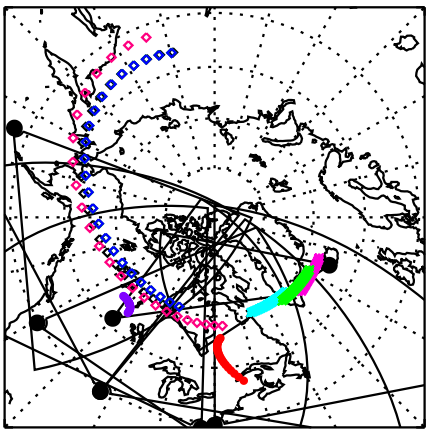
08–Sep–2013

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

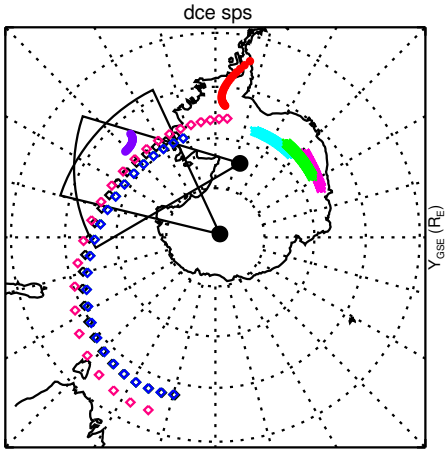


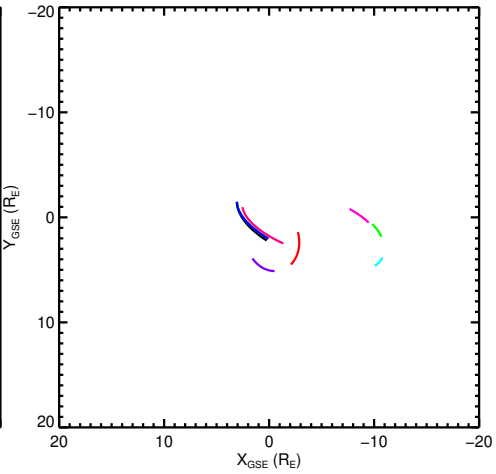


(a) 0000UT to 0205UT
ade bks cve fhe fhw sas sto wal

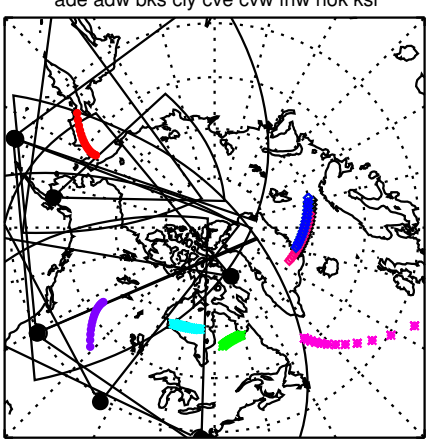


dce sps

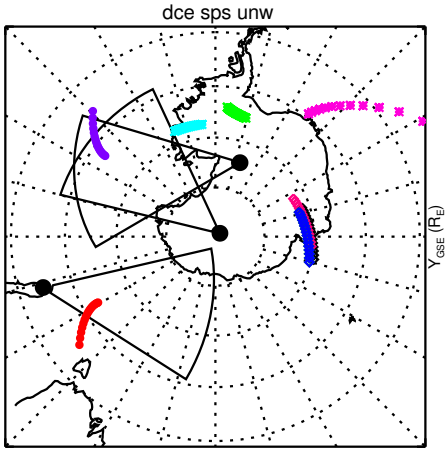


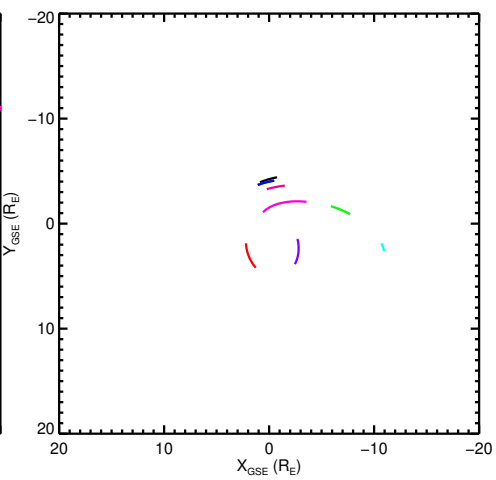


(b) 0415UT to 0540UT
ade adw bks cly cve cvw fhw hok ksr



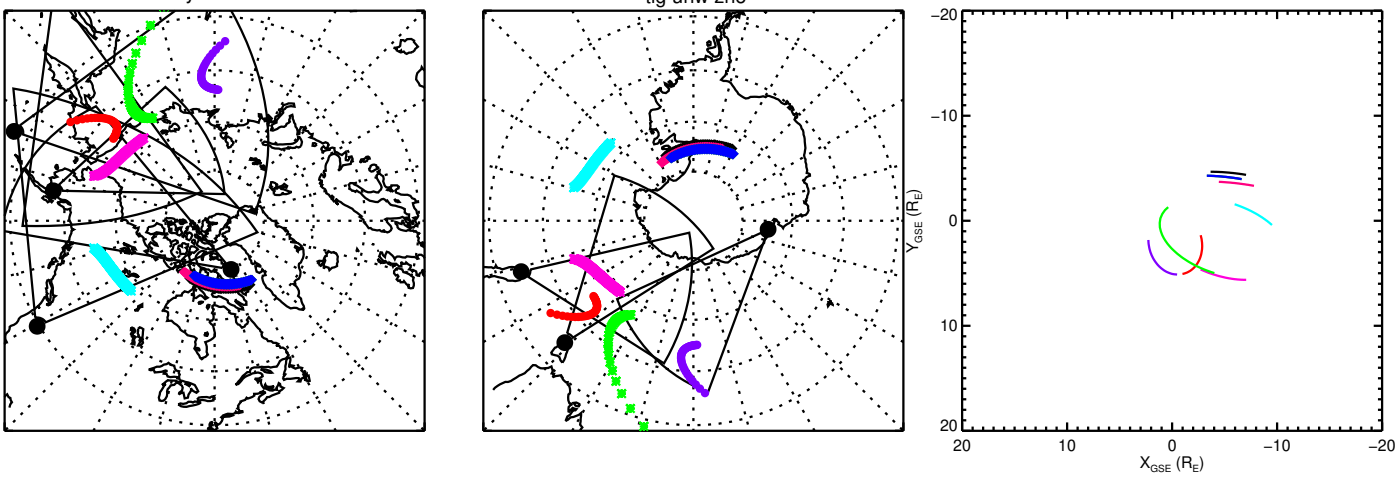
dce sps unw





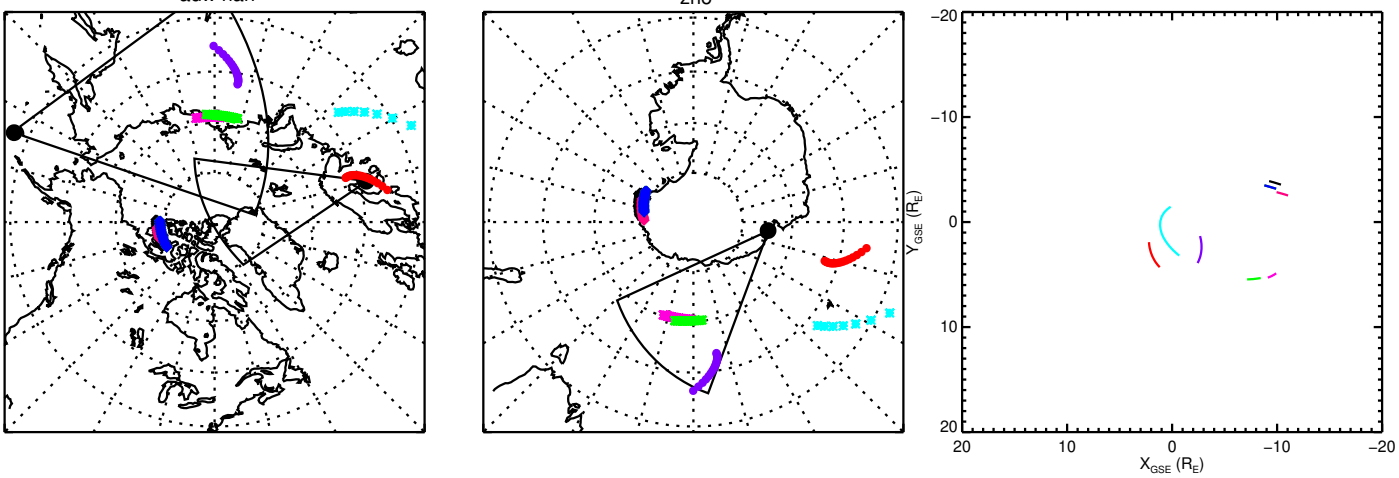
(c) 0750UT to 1105UT
adw cly cvw hok ksr

tig unw zho

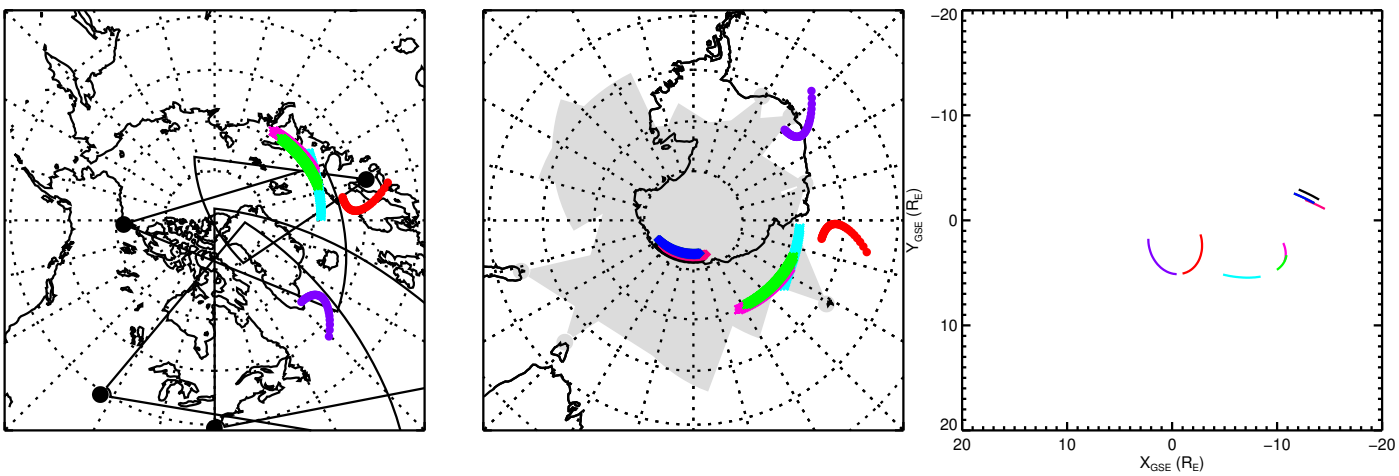


(d) 1315UT to 1445UT
adw han

zho

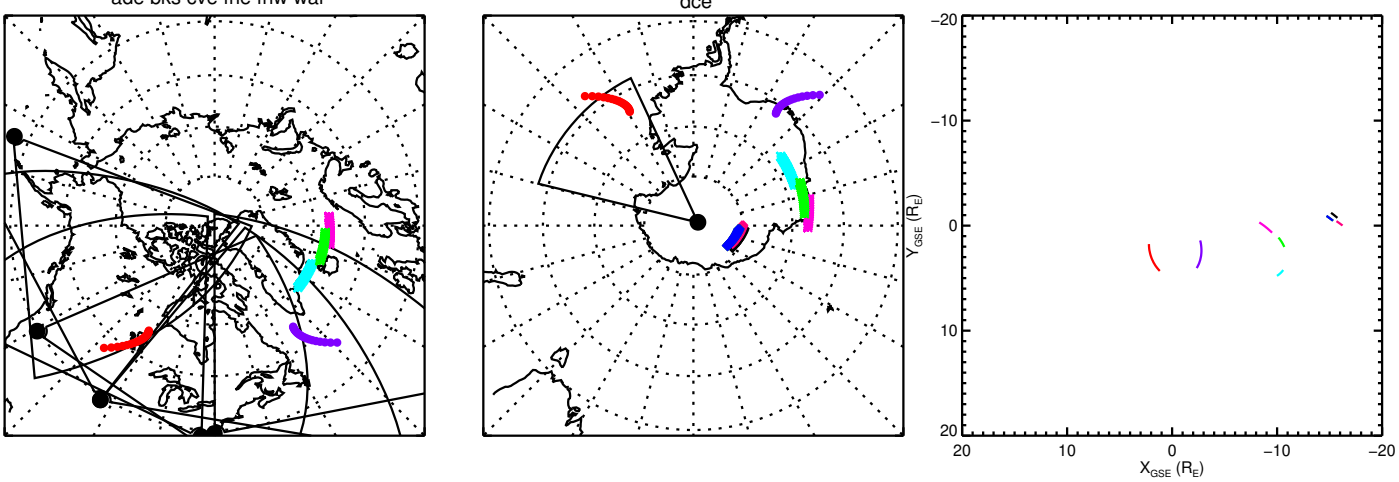


(e) 1650UT to 2005UT
fhe han inv wal



(f) 2210UT to 2345UT
ade bks cve fhe fhw wal

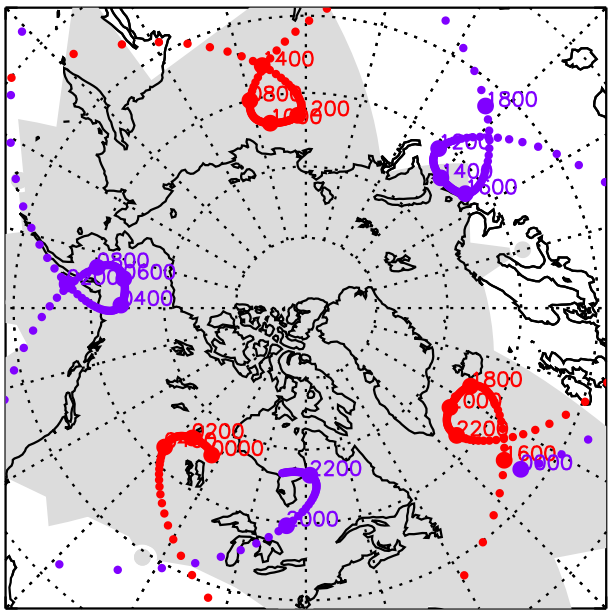
dce

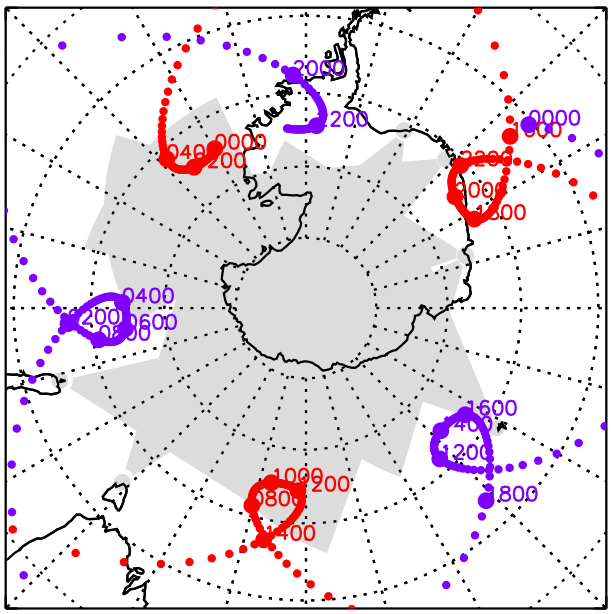


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

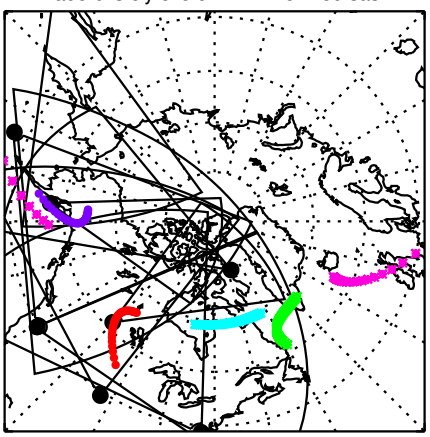
09–Sep–2013

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

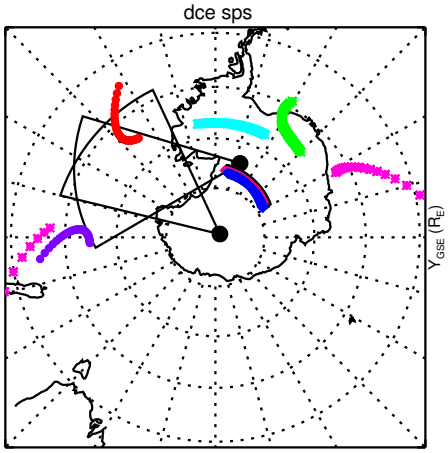


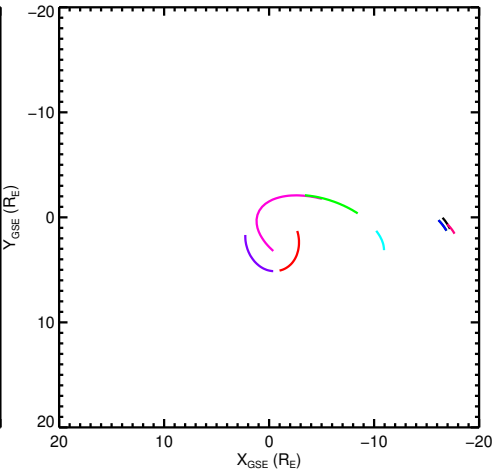


(a) 0150UT to 0505UT
ade bks cly cve cvw fhw hok kod sas

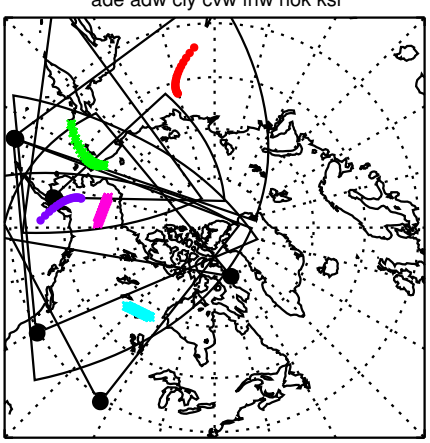


dce sps

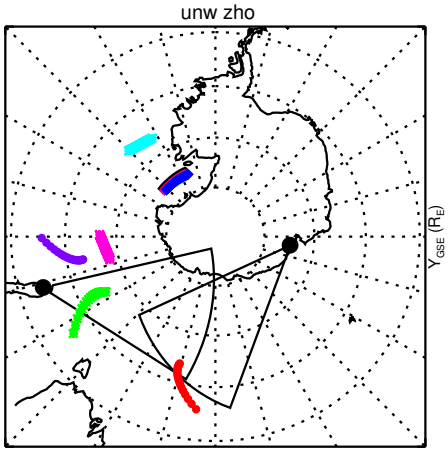


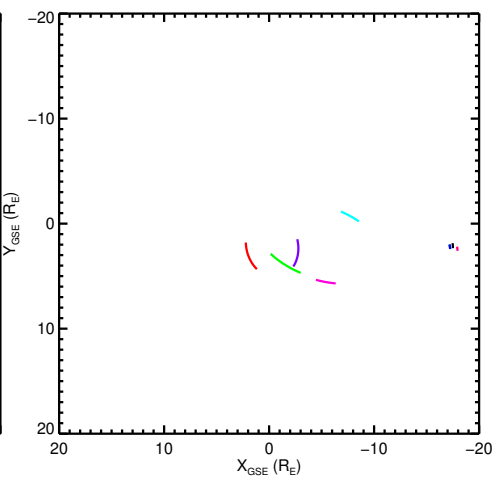


(b) 0710UT to 0845UT
ade adw cly cvw fhw hok ksr

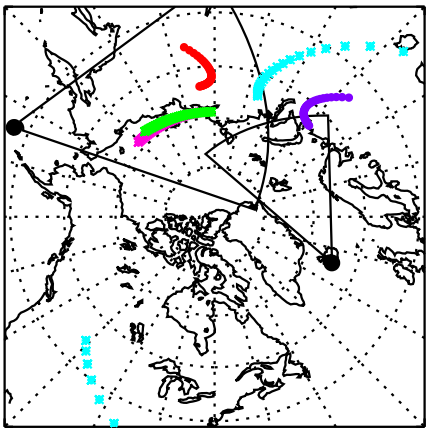


unw zho

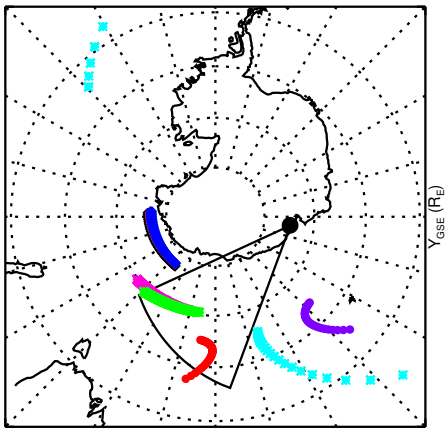


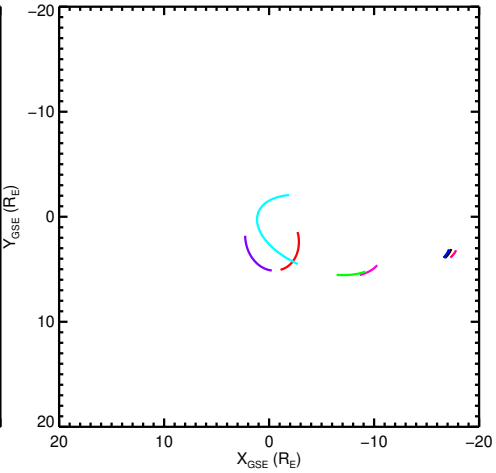


(c) 1055UT to 1400UT
adw pyk

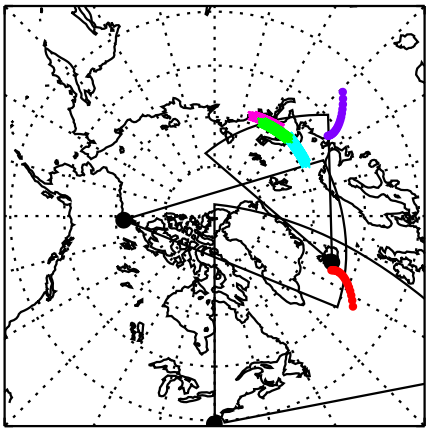


zho





(d) 1610UT to 1750UT
inv pyk wal



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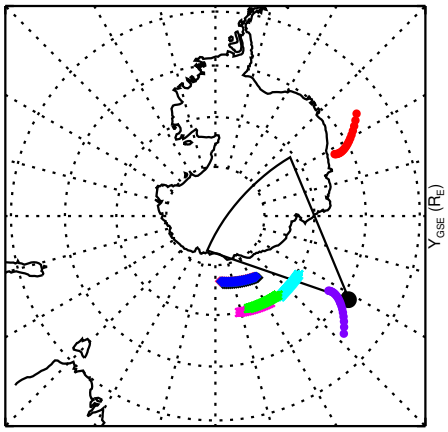
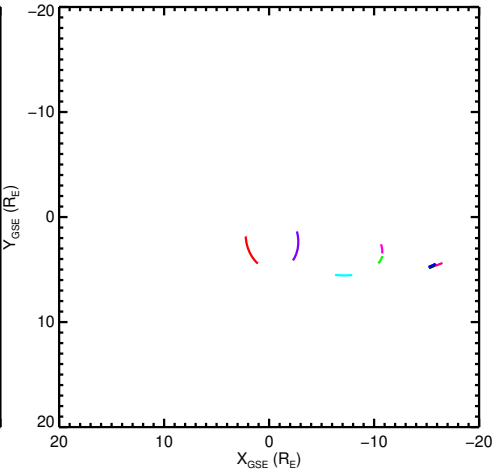
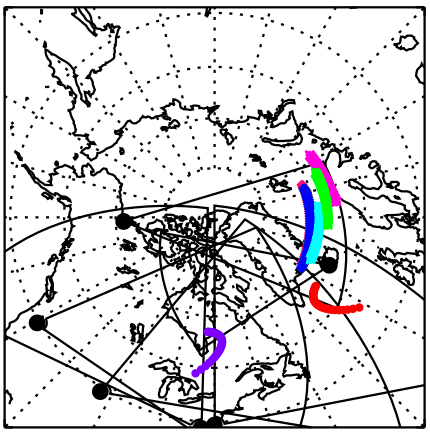
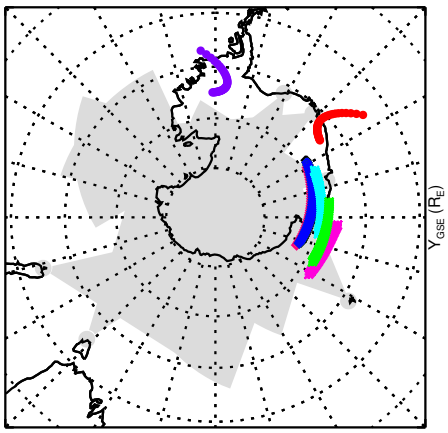
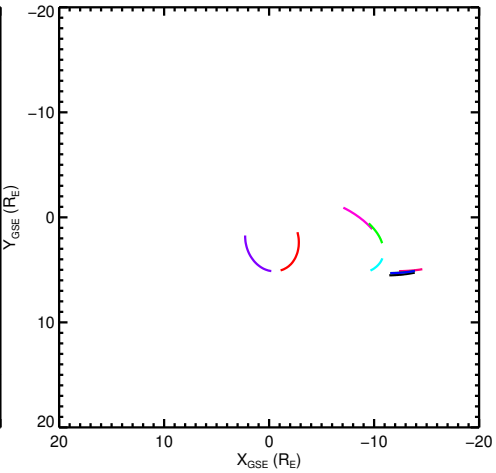




(e) 1955UT to 2300UT
bks cve fhe inv sto wal



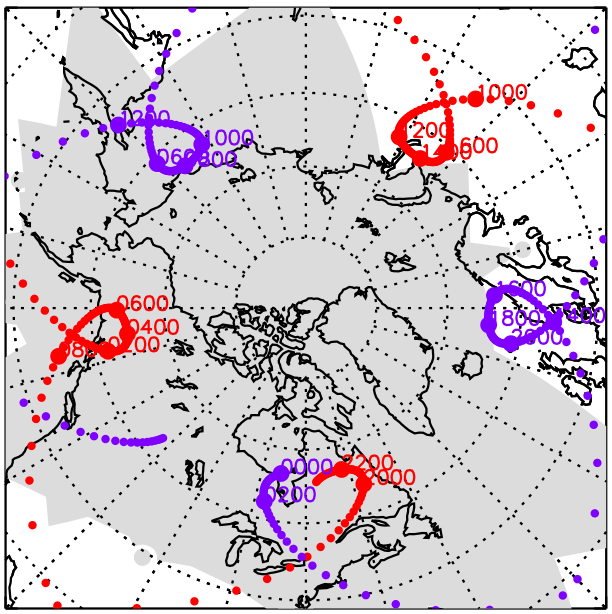


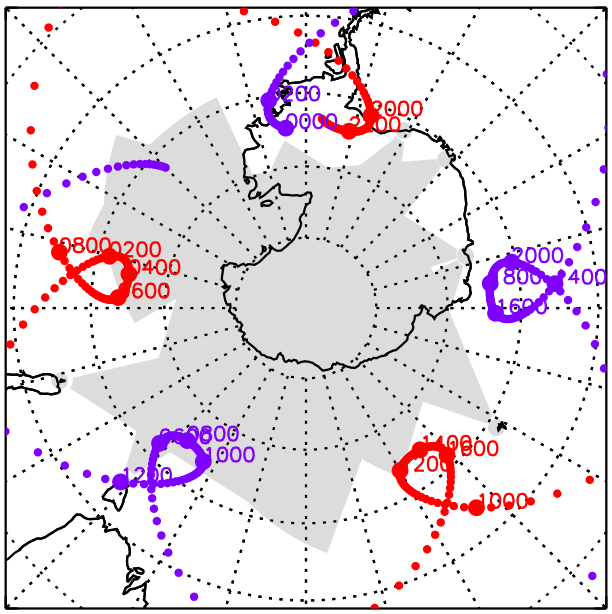


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

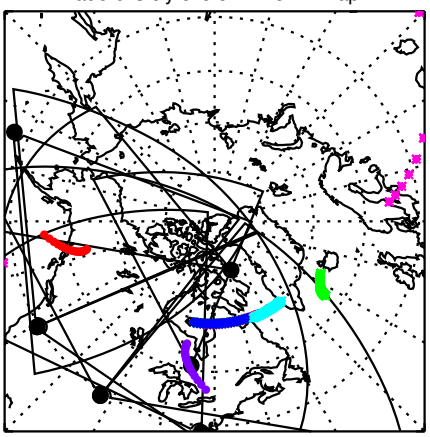
10–Sep–2013

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

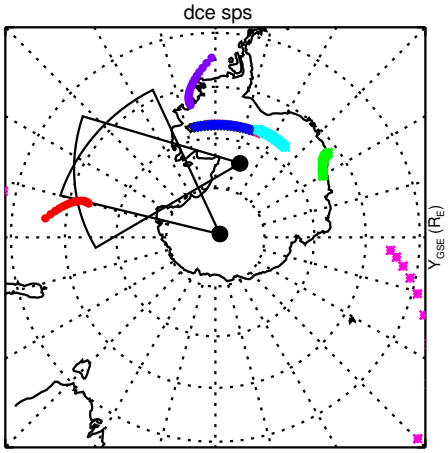


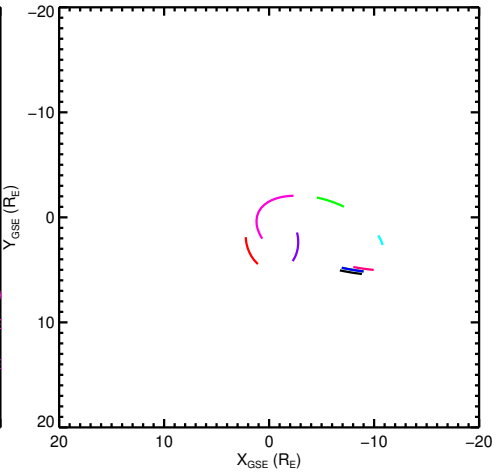


(a) 0110UT to 0250UT
ade bks cly cve cvw fhe fhw kap

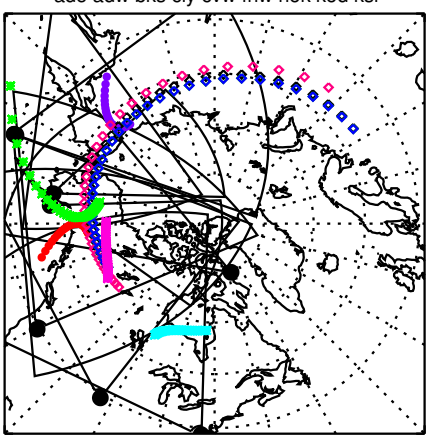


dce sps

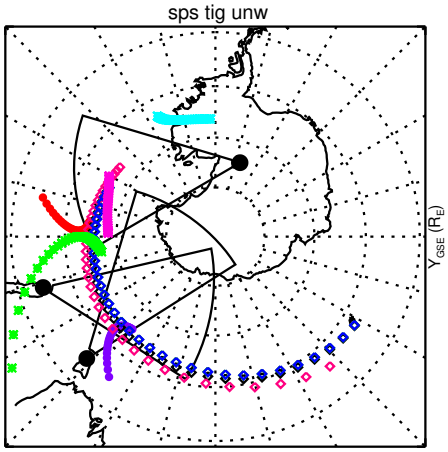


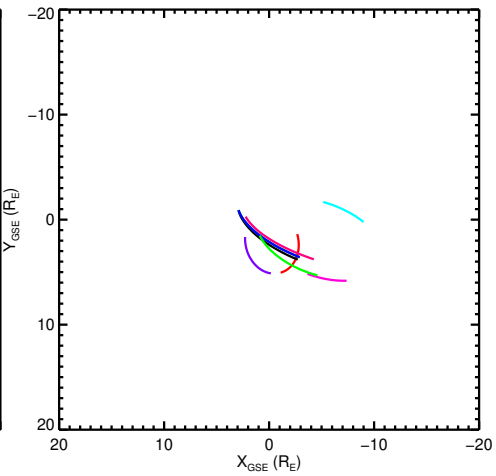


(b) 0455UT to 0800UT
ade adw bks cly cvw fhw hok kod ksr



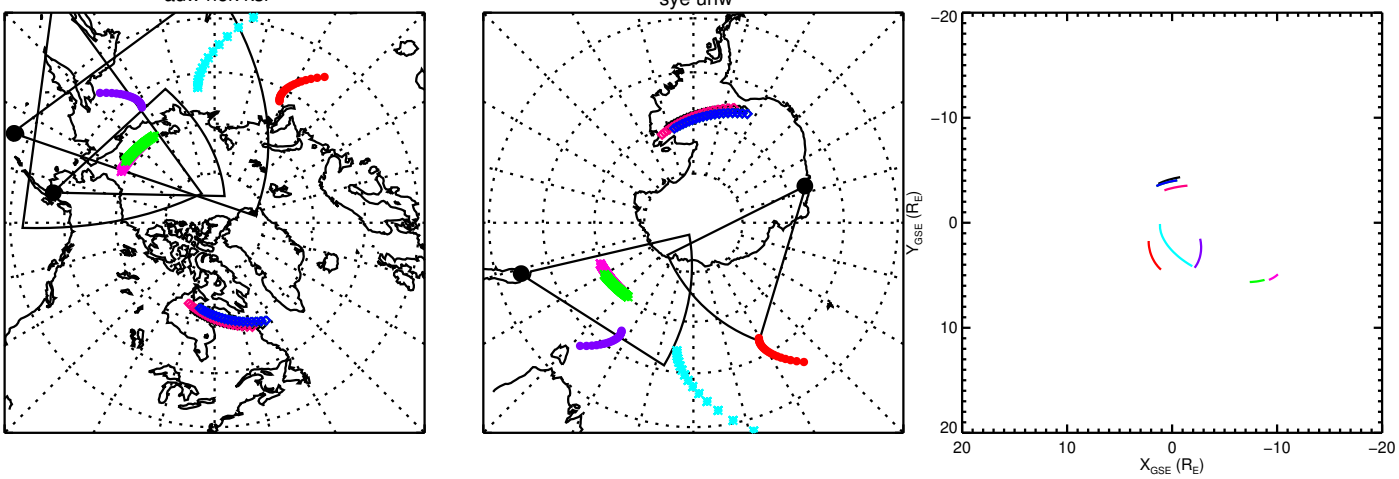
sps tig unw



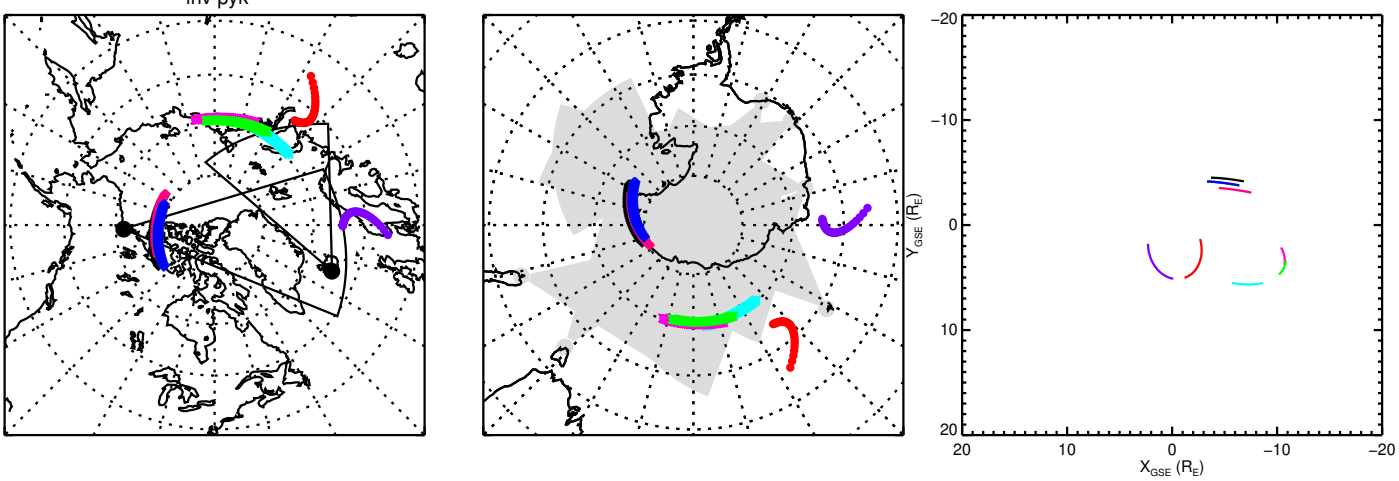


(c) 1005UT to 1150UT
adw hok ksr

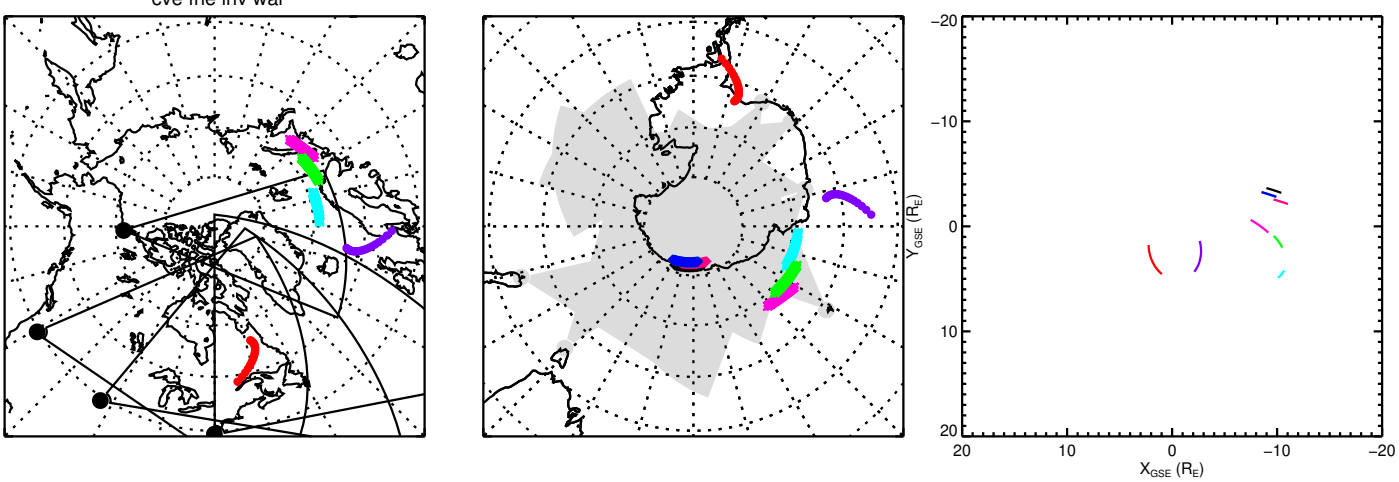
sye unw



(d) 1400UT to 1700UT
inv pyk

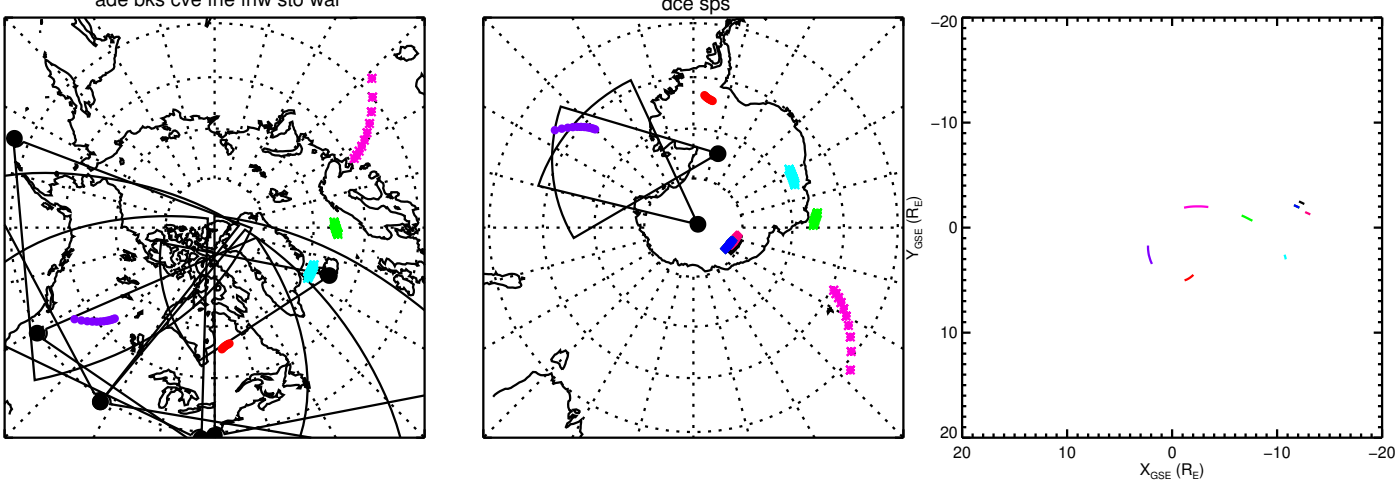


(e) 1905UT to 2055UT
cve fhe inv wal



(f) 2300UT to 2355UT
ade bks cve fhe fhw sto wal

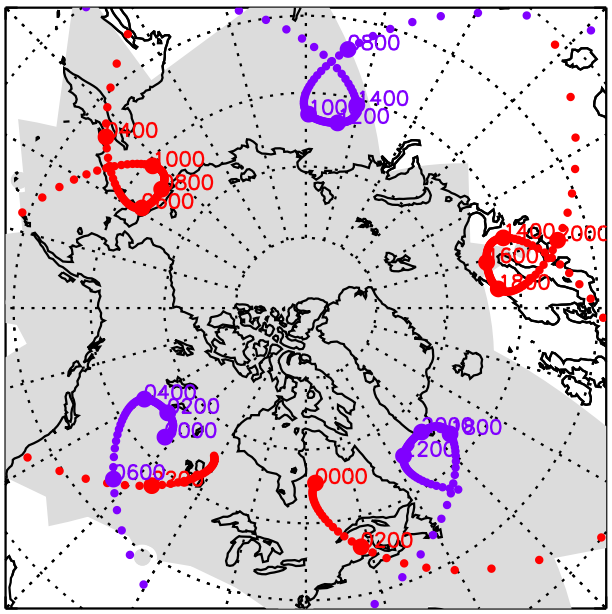
dce sps

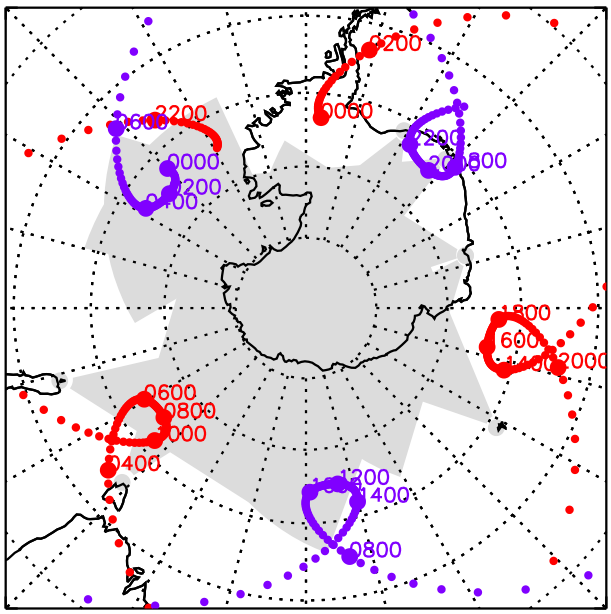


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

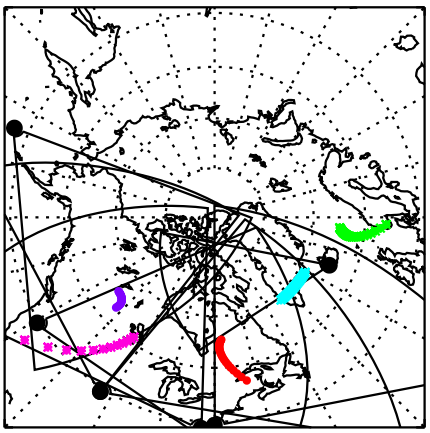
11–Sep–2013

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

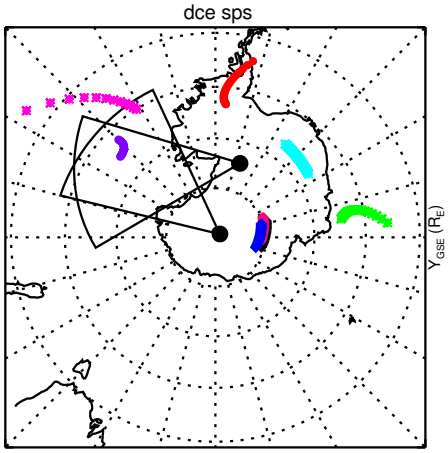


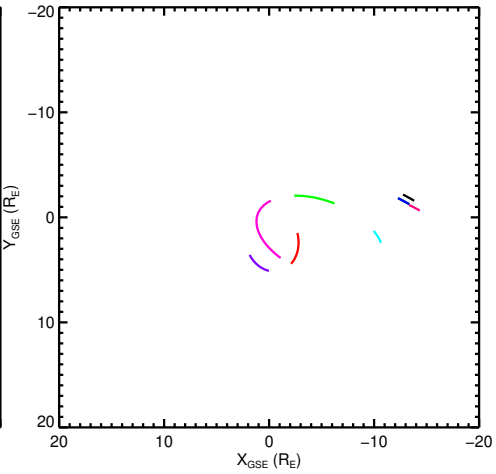


(a) 0000UT to 0155UT
ade bks cve fhe fhw sto wal

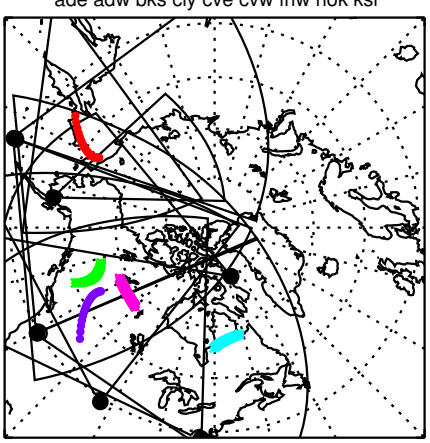


dce sps

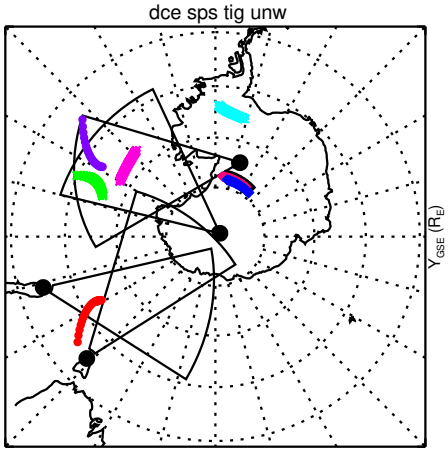


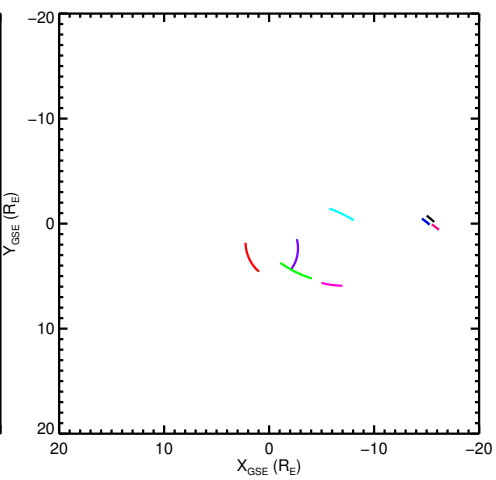


(b) 0405UT to 0555UT
ade adw bks cly cve cvw fhw hok ksr

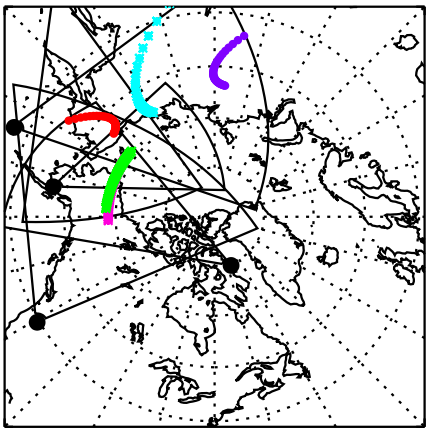


dce sps tig unw

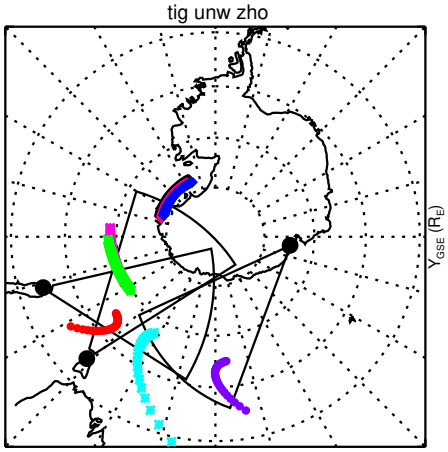


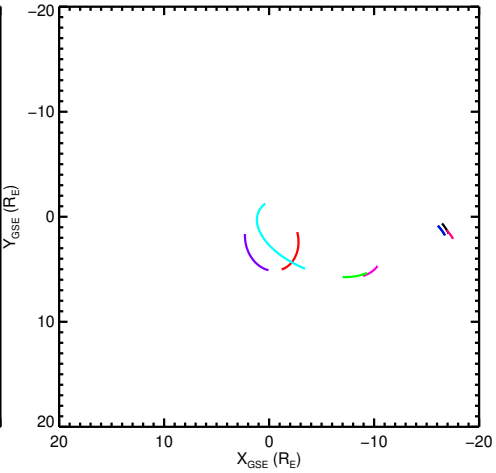


(c) 0800UT to 1055UT
adw cly cvw hok ksr

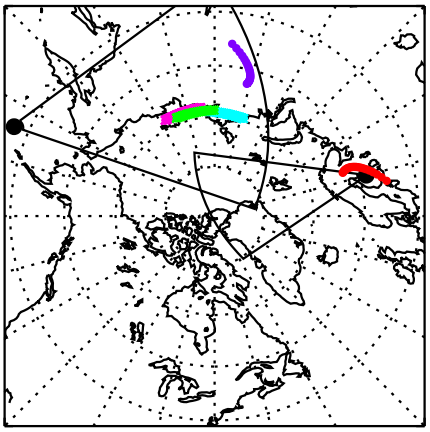


tig unw zho

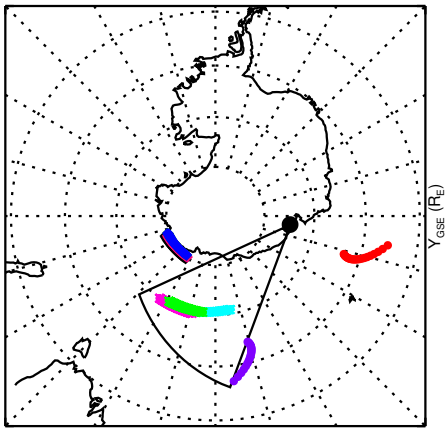


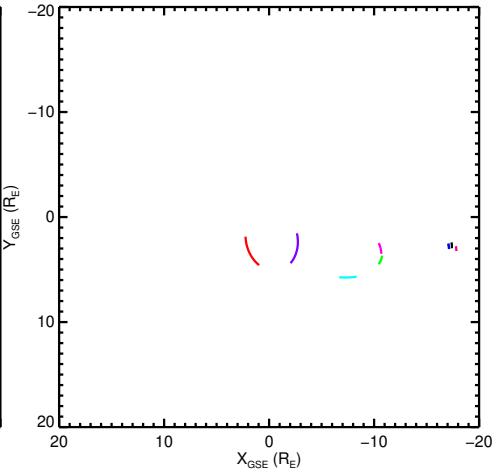


(d) 1305UT to 1455UT
adw han

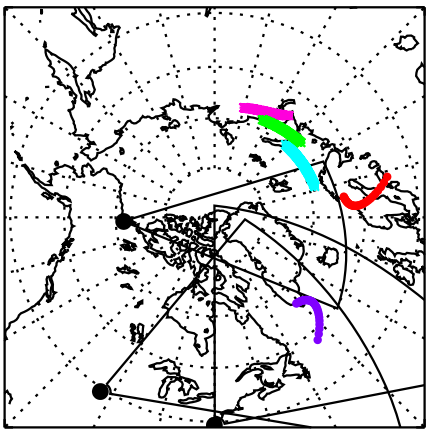


zho

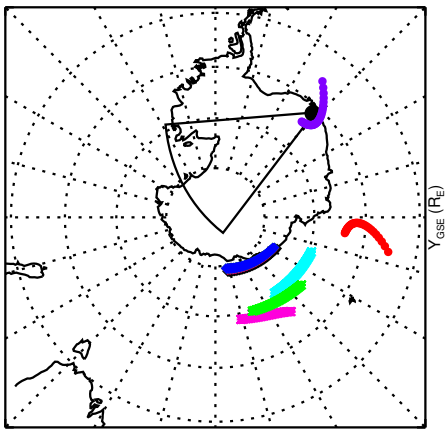


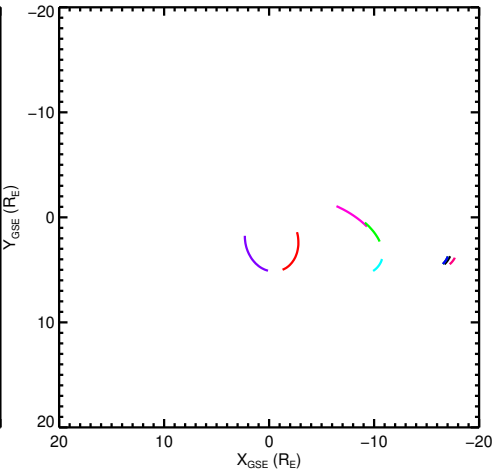


(e) 1705UT to 1955UT
fhe inv wal

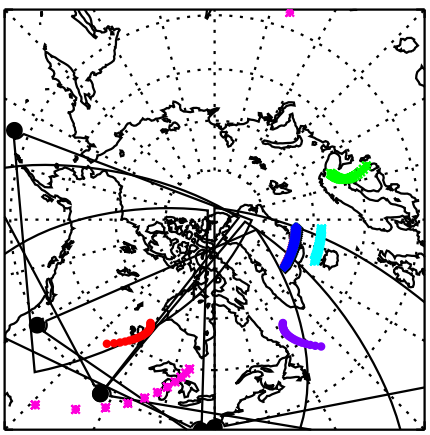


san

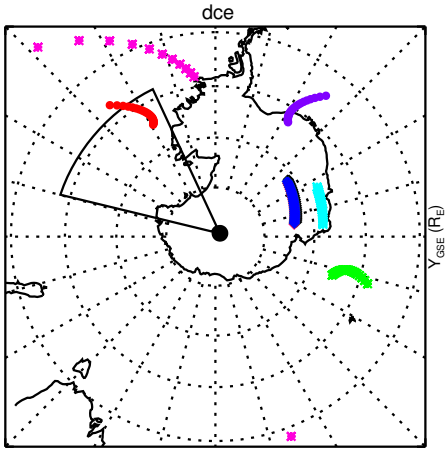


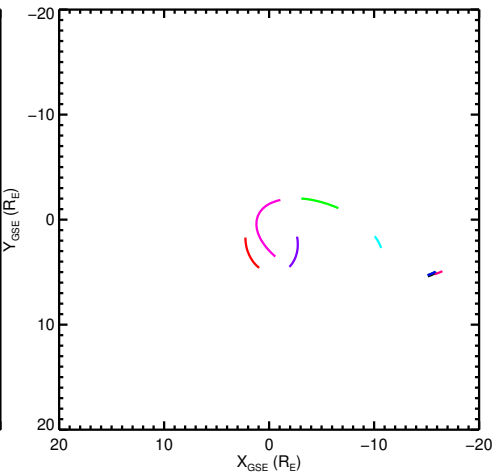


(f) 2200UT to 2355UT
ade bks cve fhe fhw wal



dce

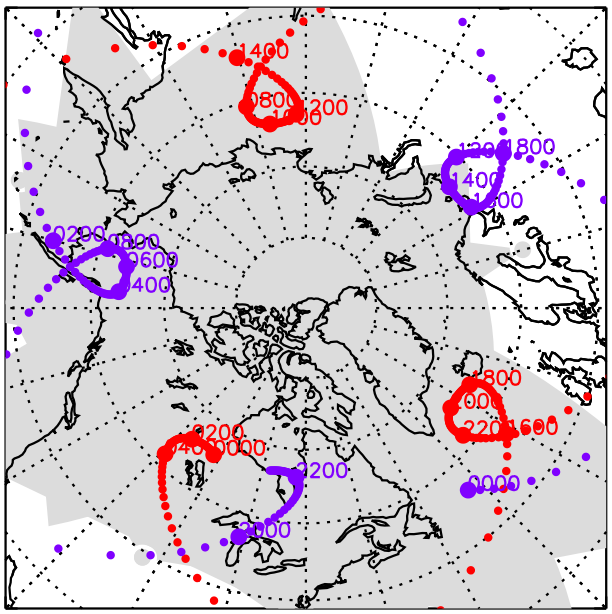


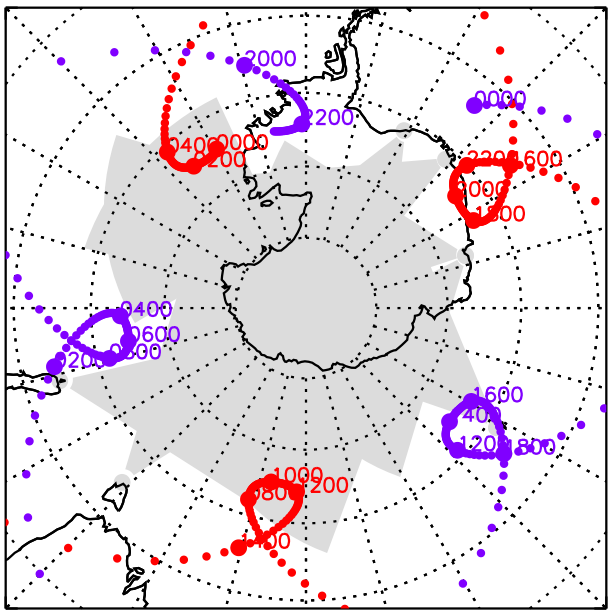


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

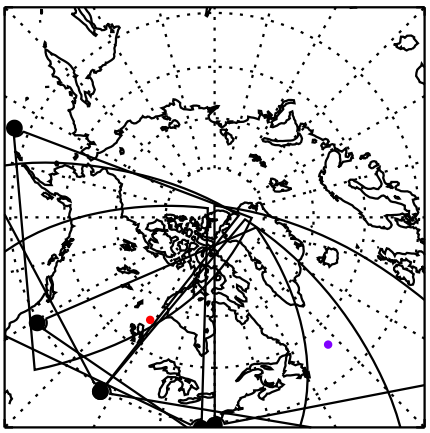
12–Sep–2013

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

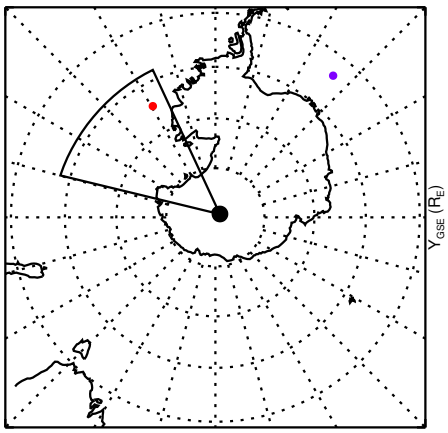


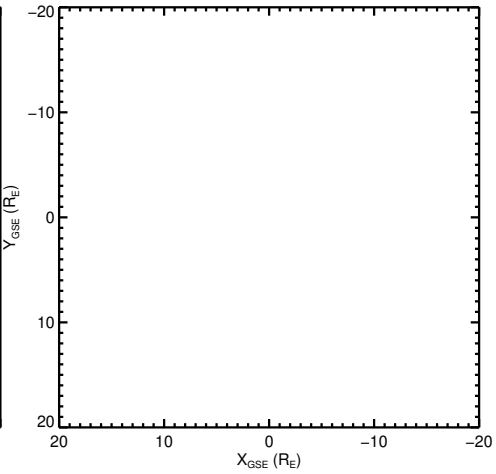


(a) 0000UT to 0000UT
ade bks cve fhe fhw wal

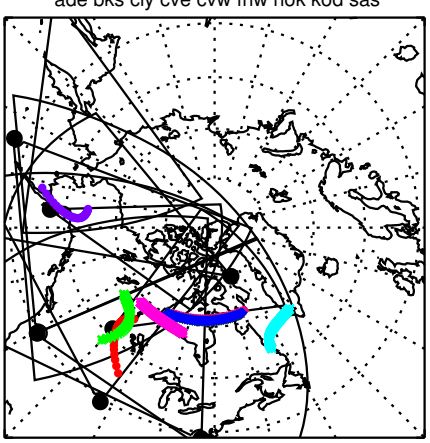


dce

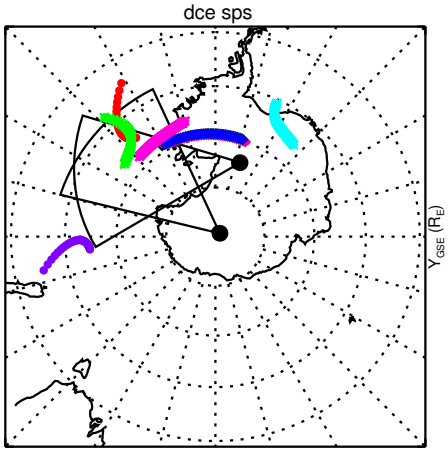


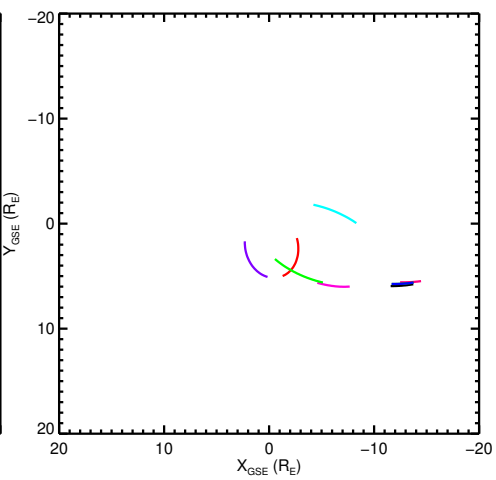


(b) 0205UT to 0455UT
ade bks cly cve cvw fhw hok kod sas

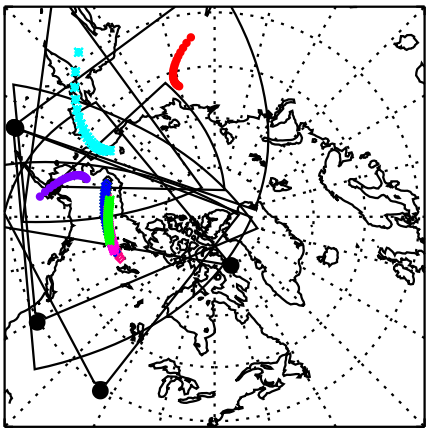


dce sps

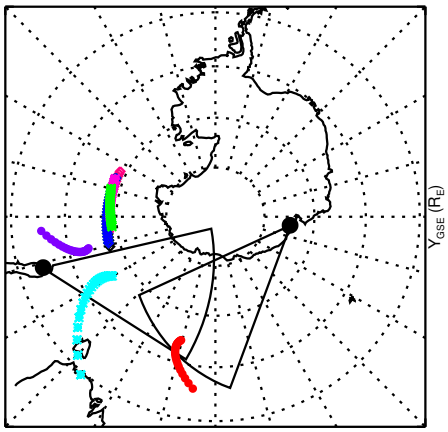


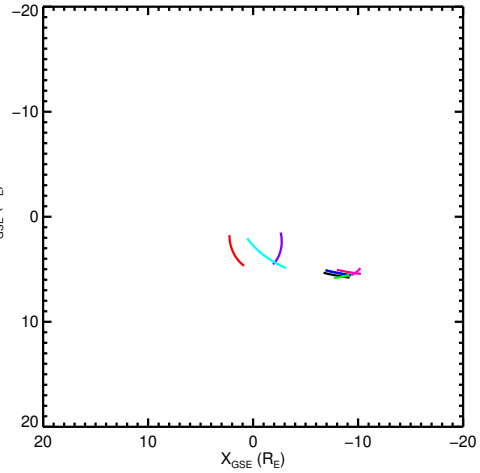


(c) 0700UT to 0900UT
ade adw cly cvw fhw hok ksr

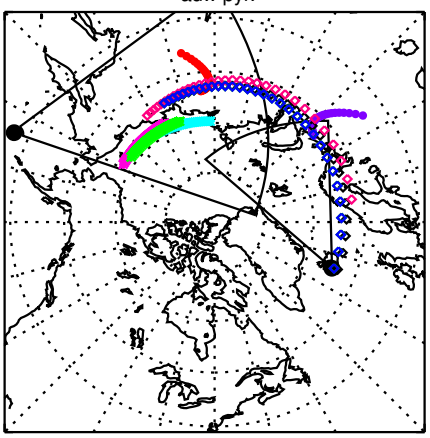


unw zho

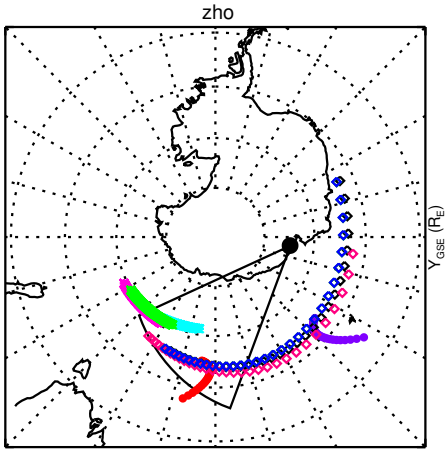


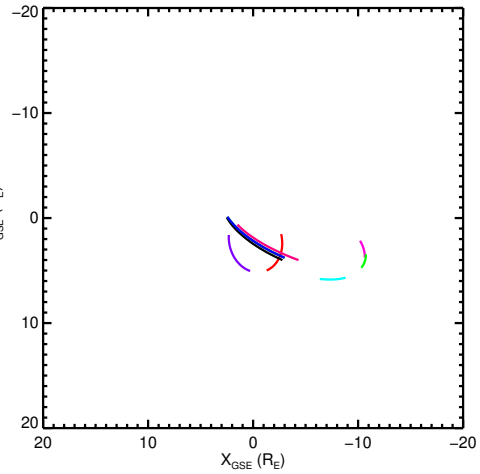


(d) 1105UT to 1350UT
adw pyk

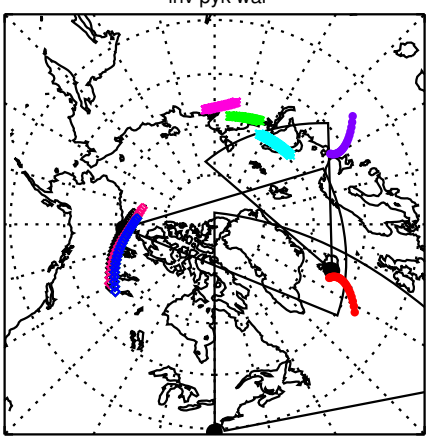


zho

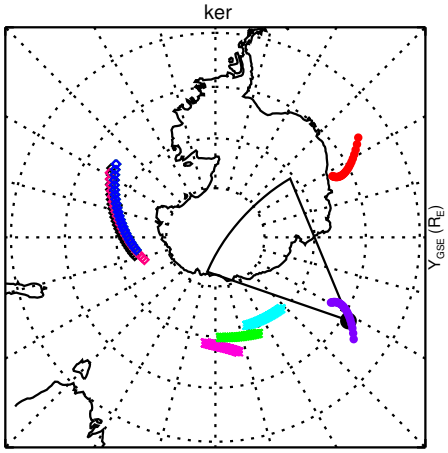


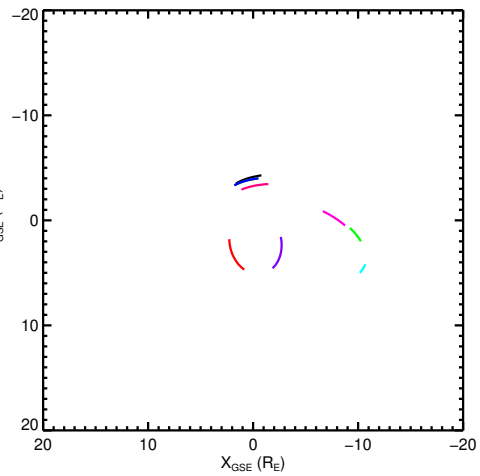


(e) 1600UT to 1800UT
inv pyk wal

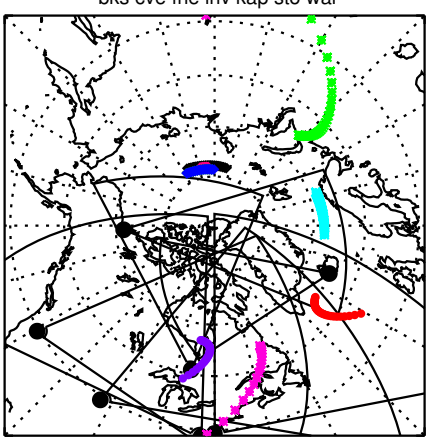


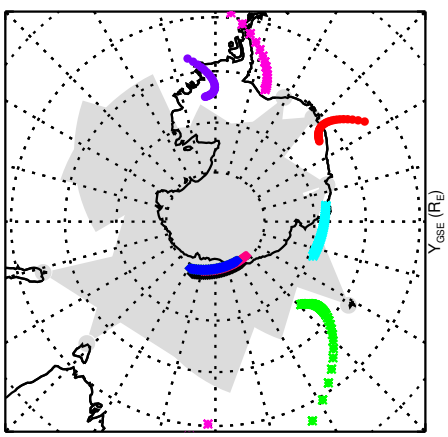
ker

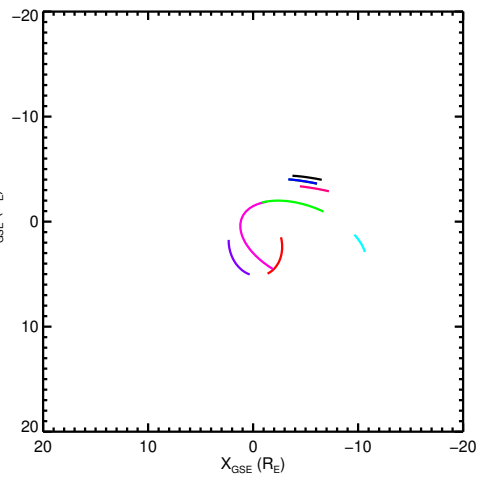




(f) 2010UT to 2250UT
bks cve fhe inv kap sto wal



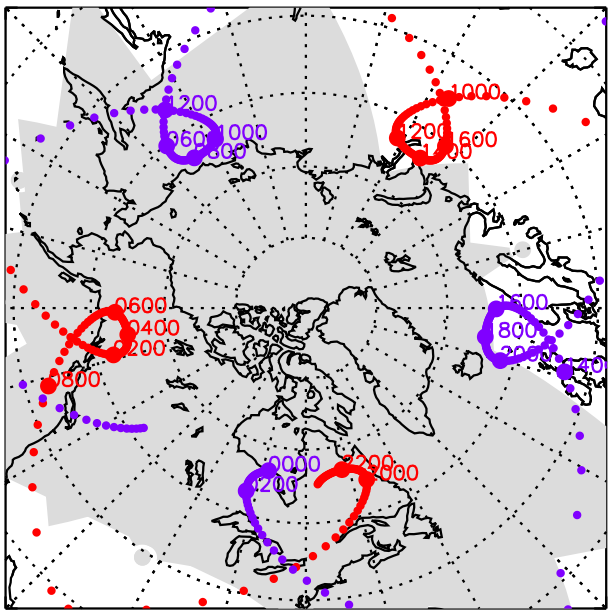


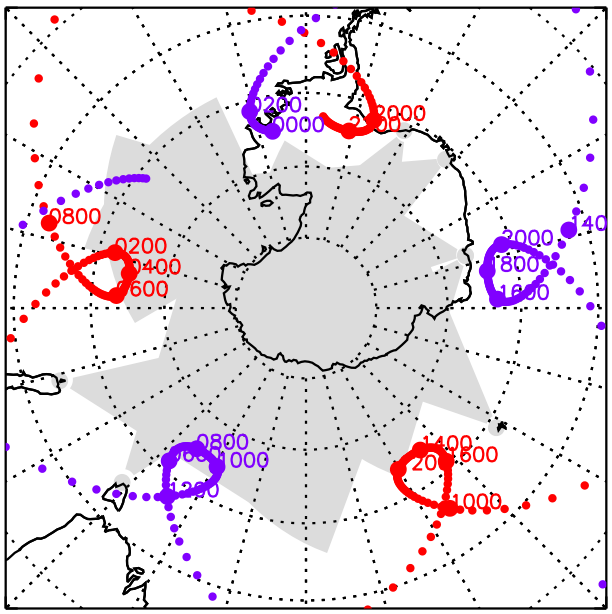


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

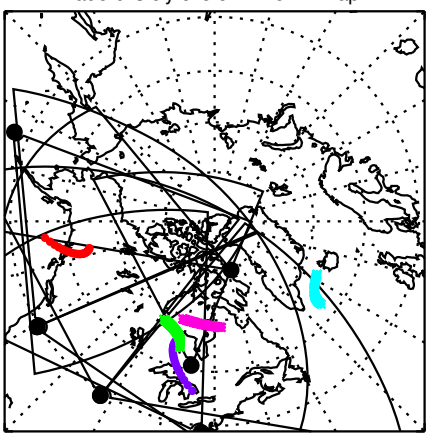
13–Sep–2013

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

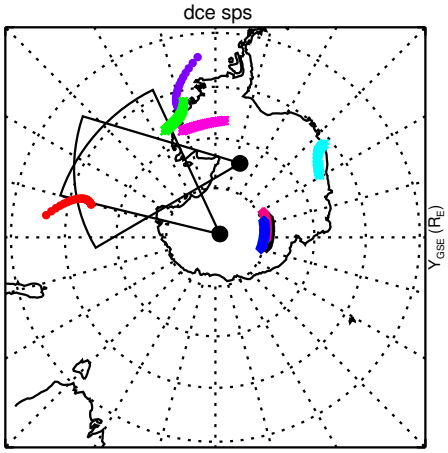


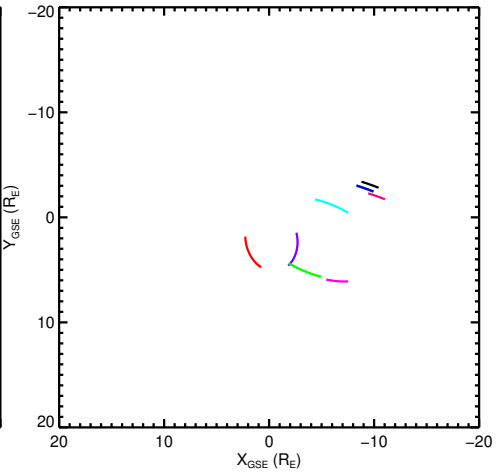


(a) 0100UT to 0305UT
ade bks cly cve cvw fhe fhw kap

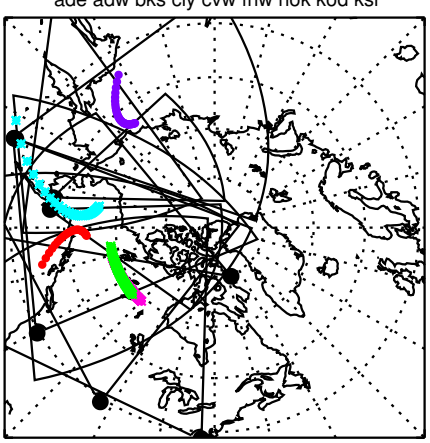


dce sps

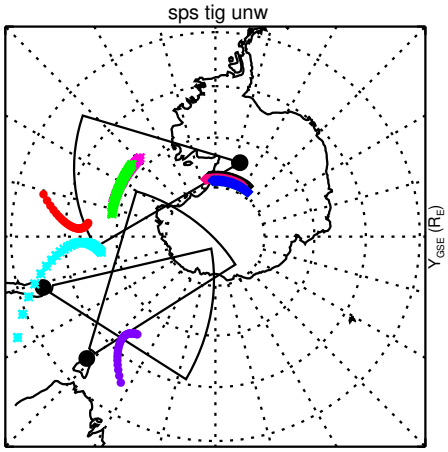


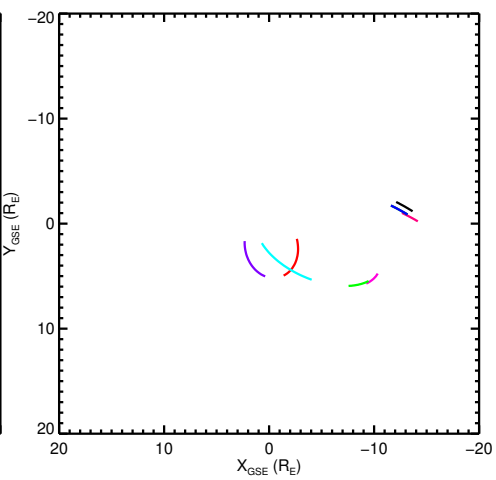


(b) 0510UT to 0750UT
ade adw bks cly cvw fhw hok kod ksr



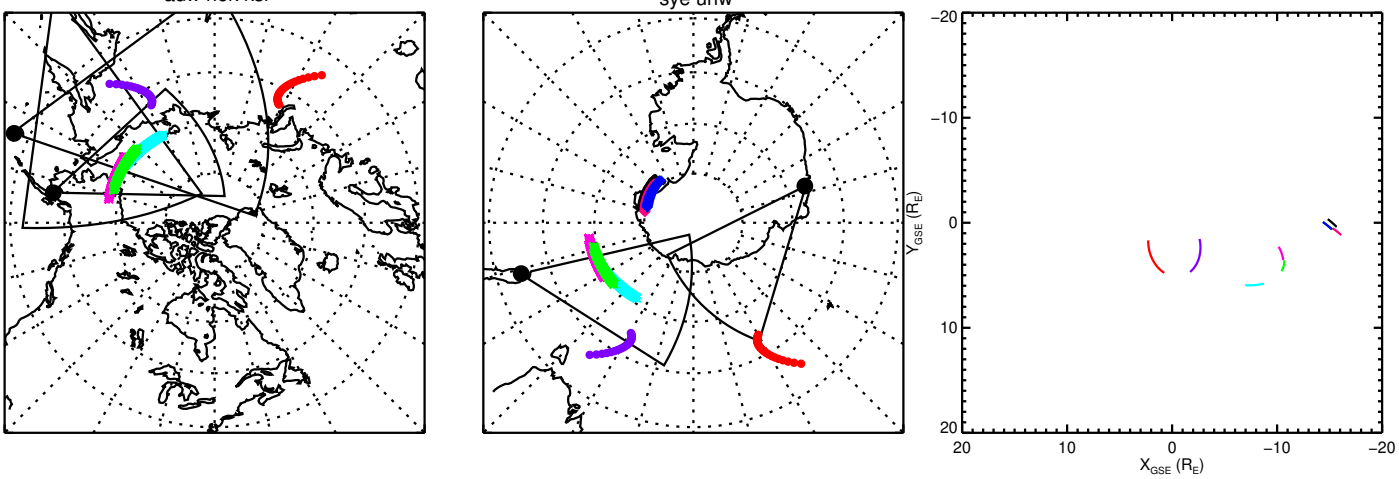
sps tig unw



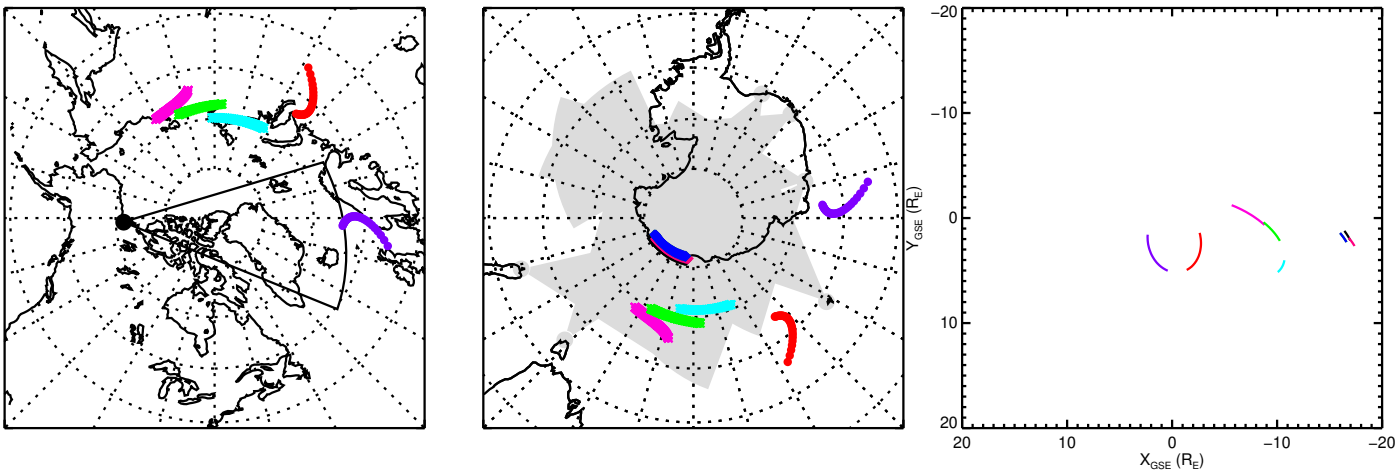


(c) 0955UT to 1205UT
adw hok ksr

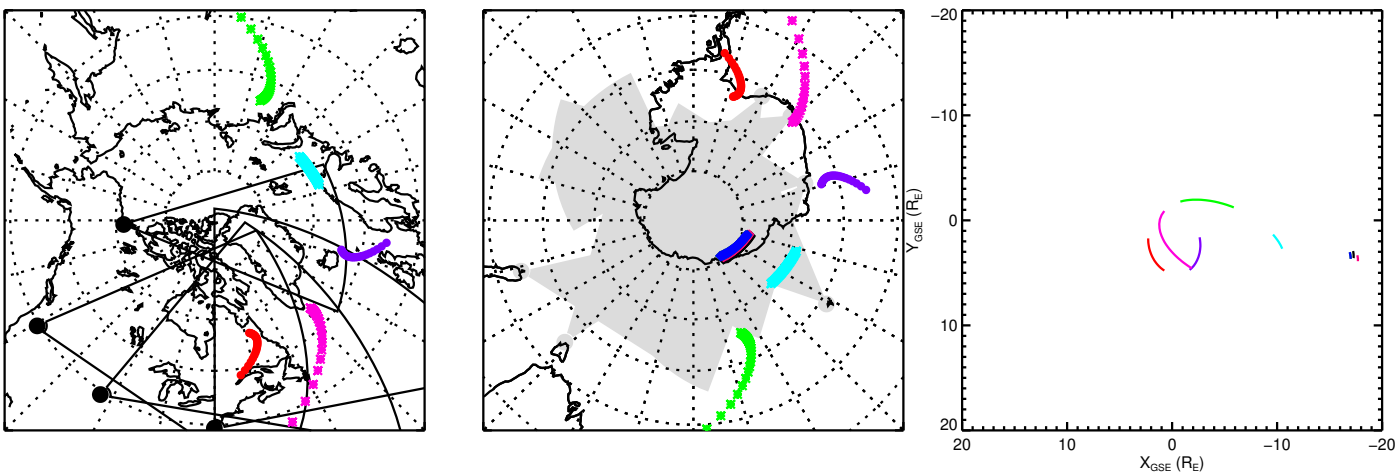
sye unw



(d) 1410UT to 1650UT
inv

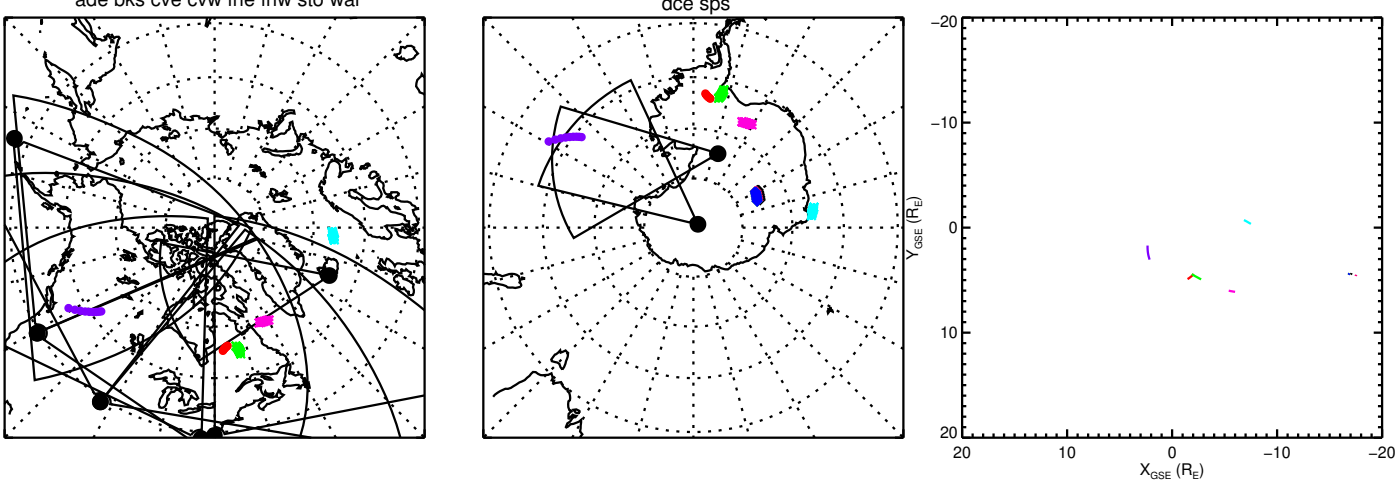


(e) 1855UT to 2105UT
cve fhe inv wal



(f) 2315UT to 2355UT
ade bks cve cvw fhe fhw sto wal

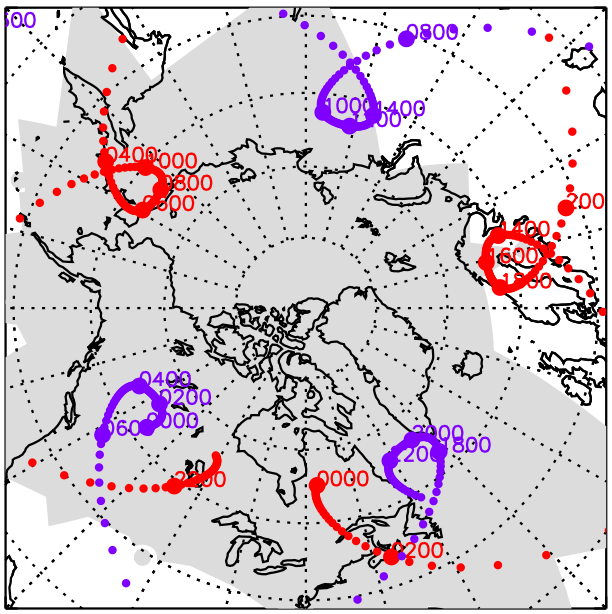
dce sps

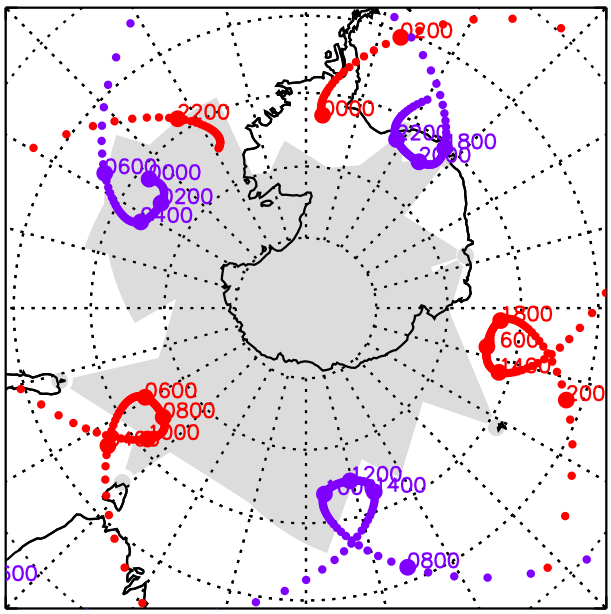


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

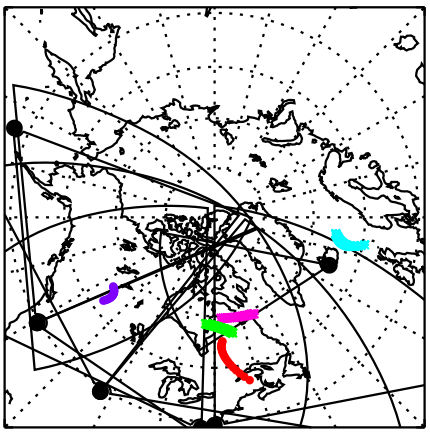
14–Sep–2013

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

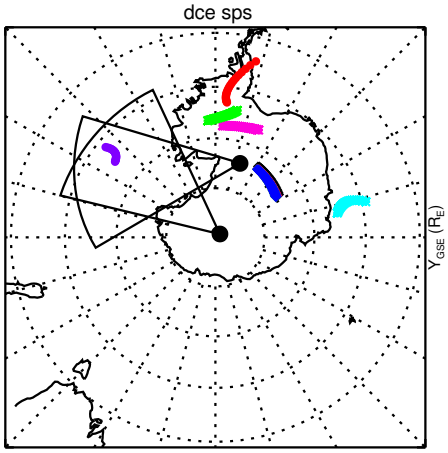


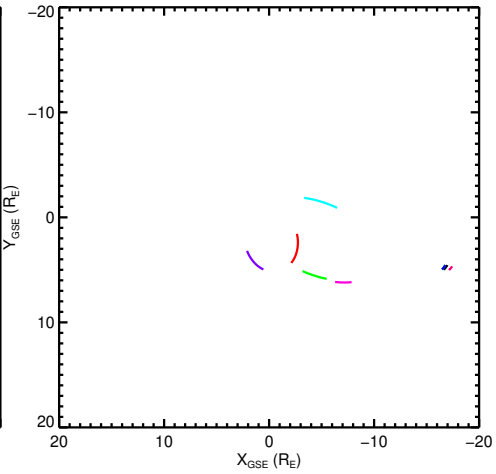


(a) 0000UT to 0145UT
ade bks cve cvw fhe fhw sto wal

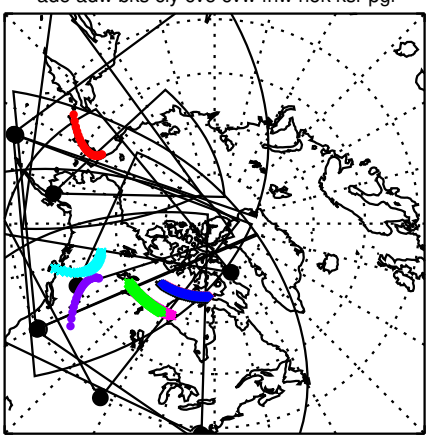


dce sps

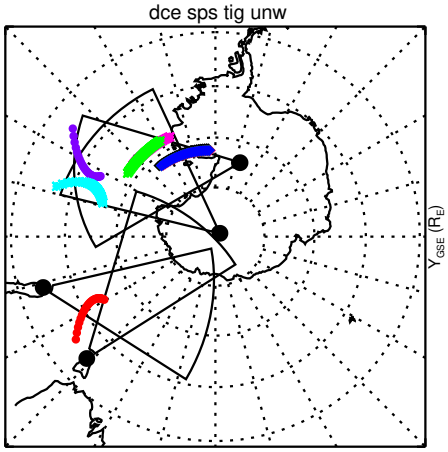


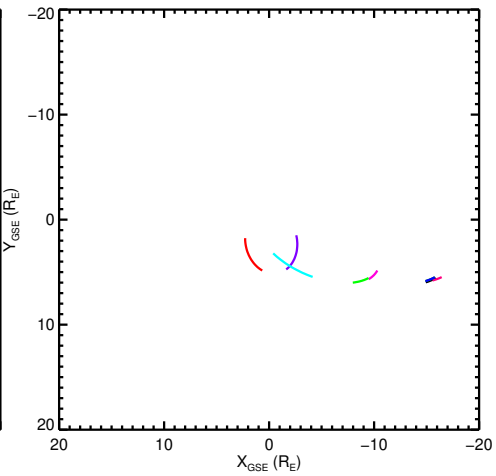


(b) 0355UT to 0610UT
ade adw bks cly cve cvw fhw hok ksr pgr



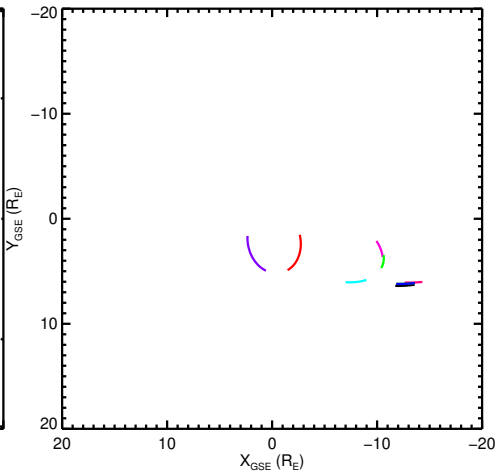
dce sps tig unw



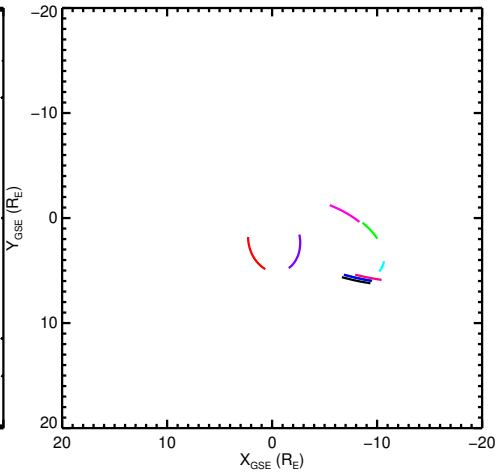


(c) 0815UT to 1045UT
adw cly cvw hok ksr

tig unw zho

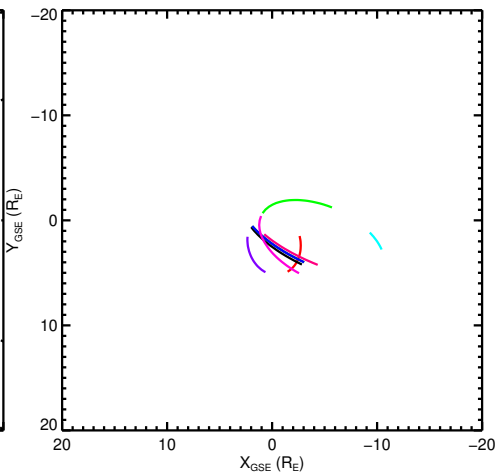


(d) 1255UT to 1510UT
adw han



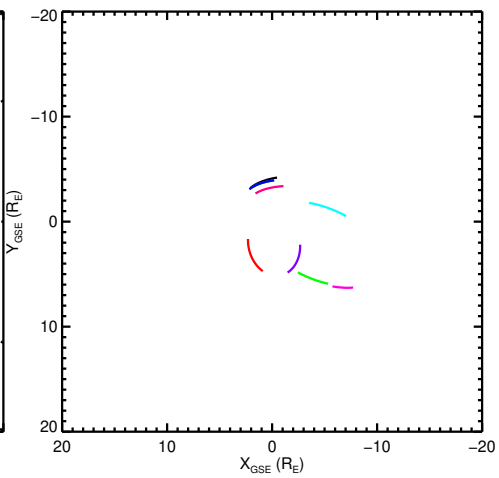
(e) 1715UT to 1945UT
cve fhe wal

san



(f) 2150UT to 2355UT
ade bks cve fhe fhw gbr wal

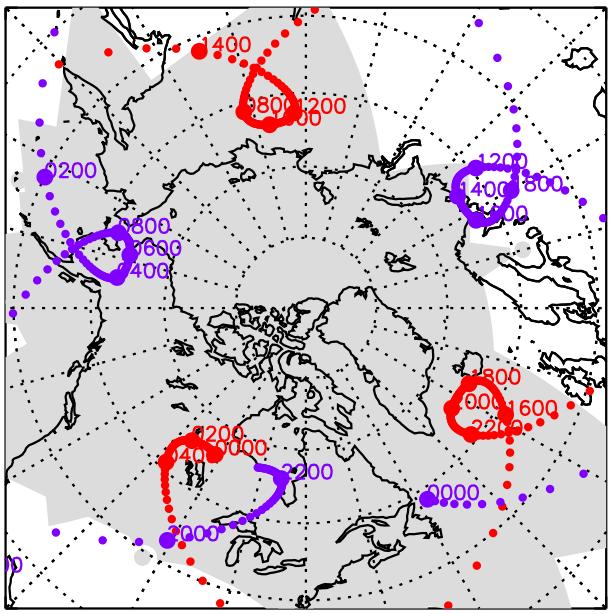
dce hal

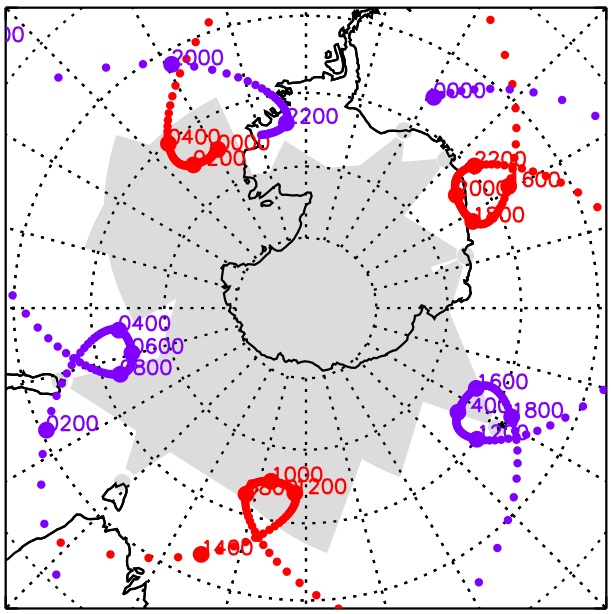


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

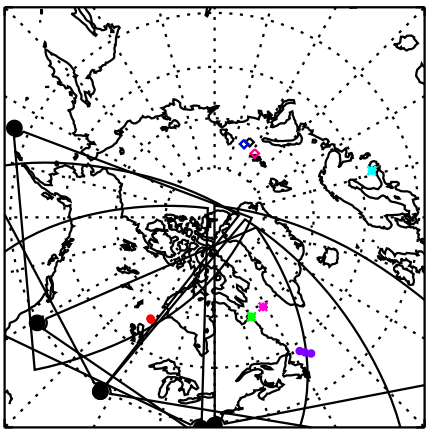
15–Sep–2013

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

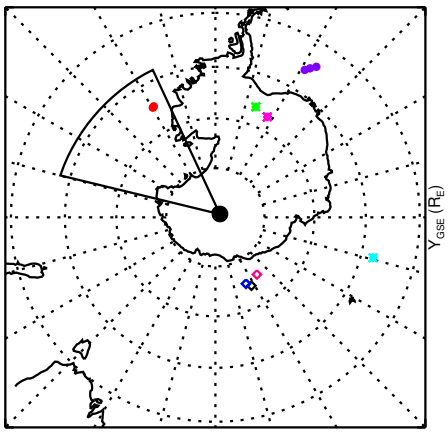


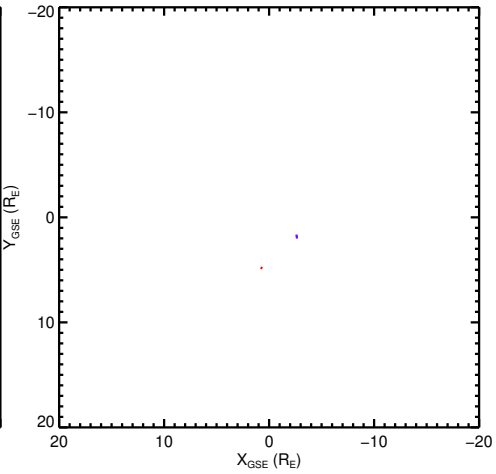


(a) 0000UT to 0010UT
ade bks cve fhe fhw wal

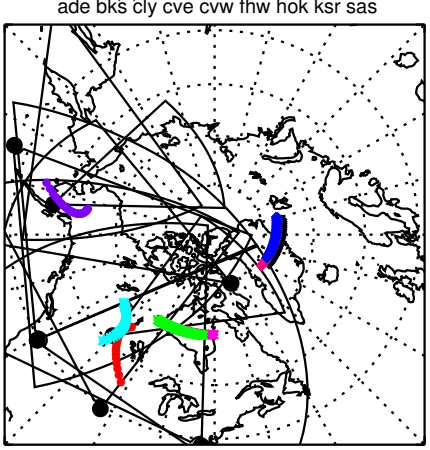


dce

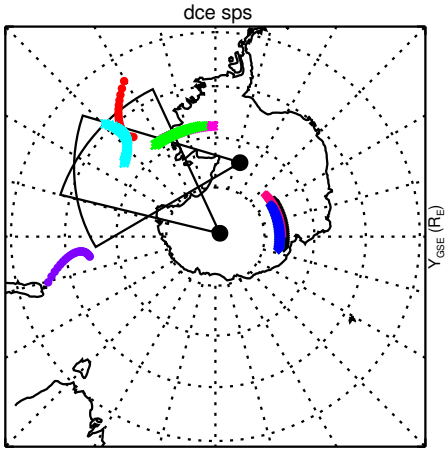


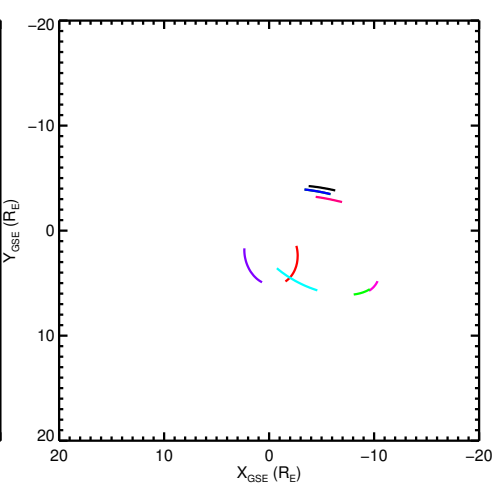


(b) 0220UT to 0445UT
ade bks cly cve cvw fhw hok ksr sas

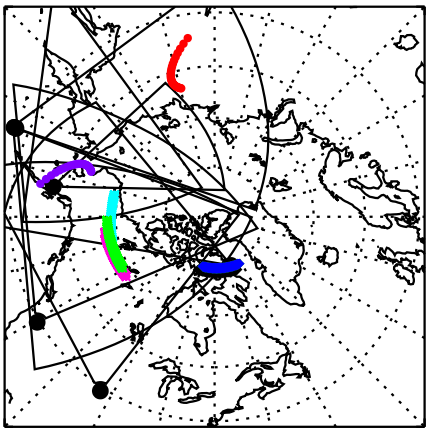


dce sps

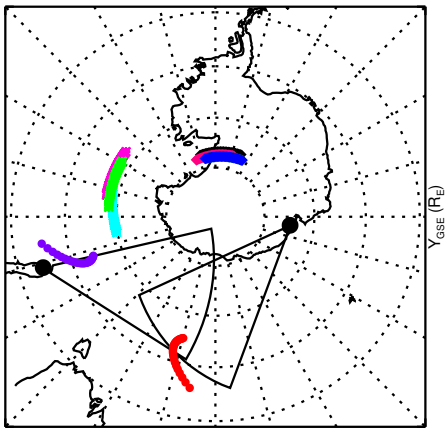


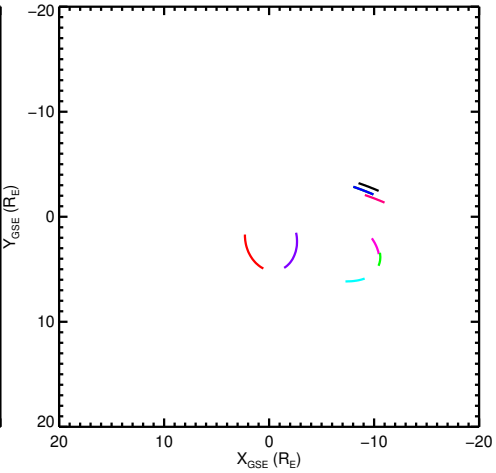


(c) 0650UT to 0915UT
ade adw cly cvw fhw hok ksr

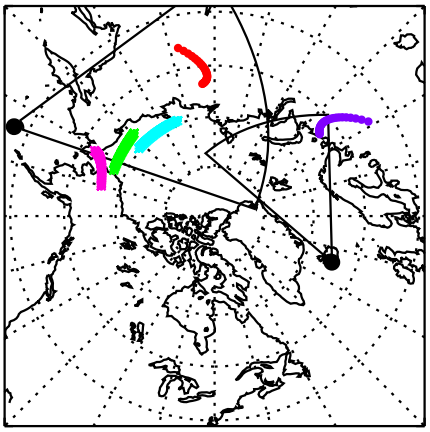


unw zho

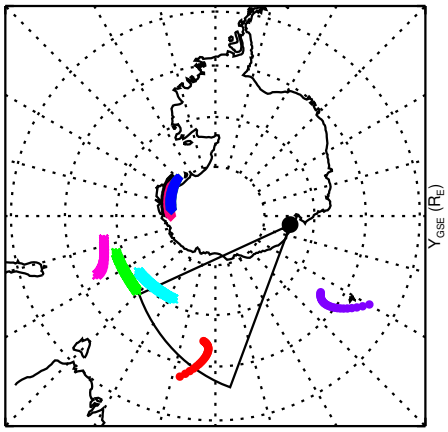


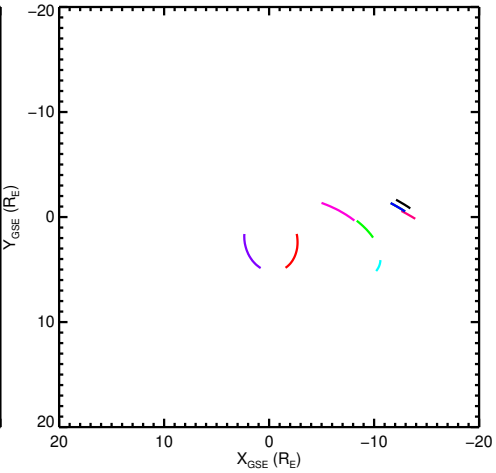


(d) 1120UT to 1340UT
adw pyk

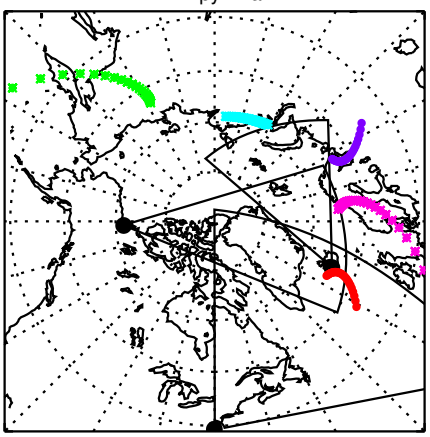


zho

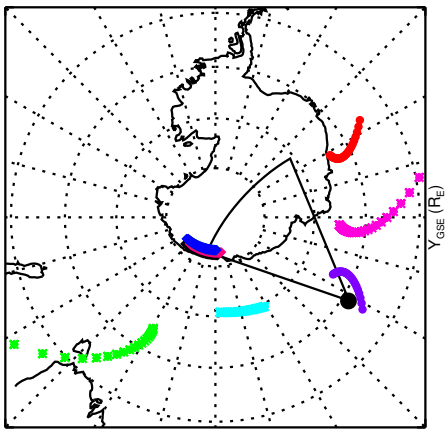


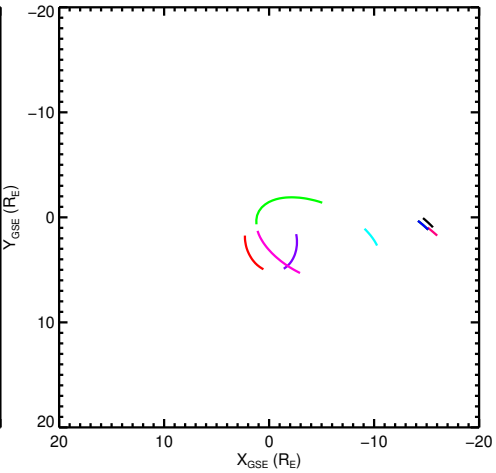


(e) 1550UT to 1815UT
inv pyk wal

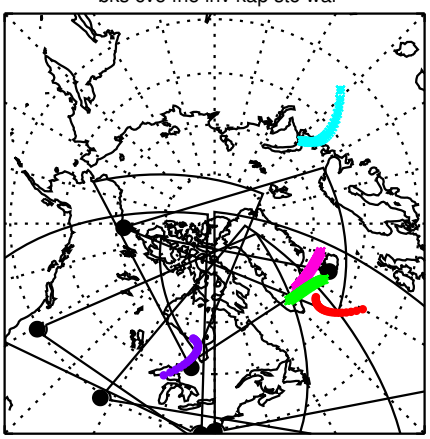


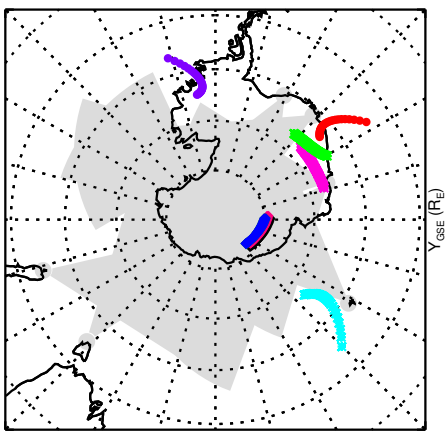
ker

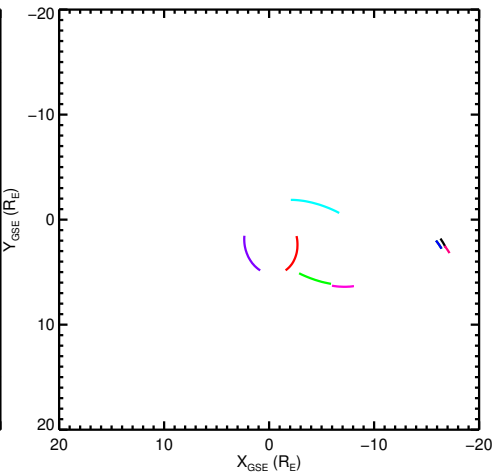




(f) 2020UT to 2240UT
bks cve fhe inv kap sto wal



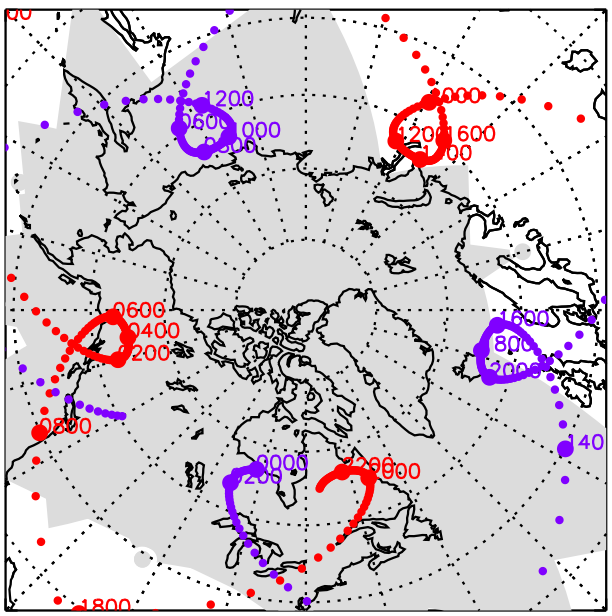


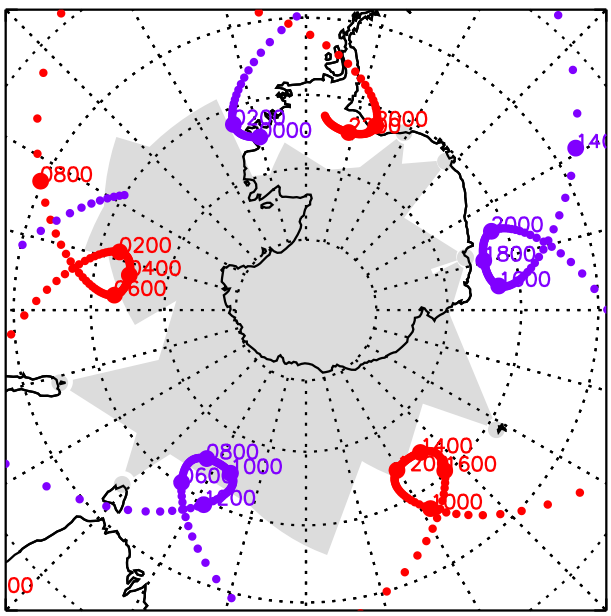


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

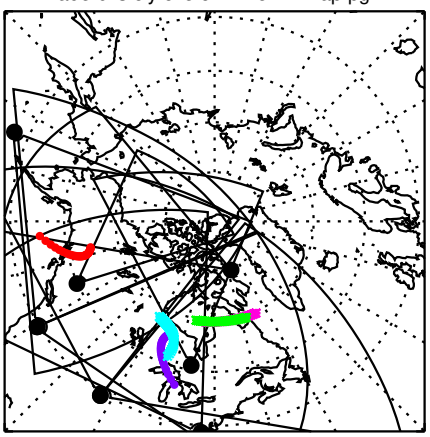
16–Sep–2013

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

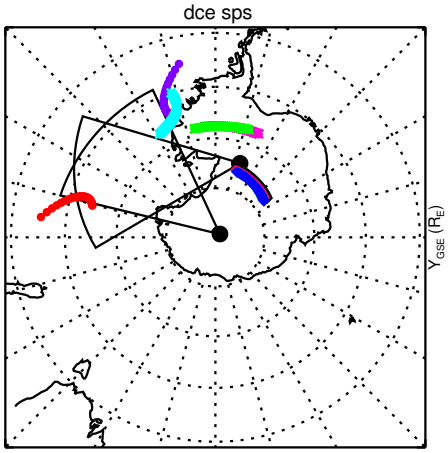


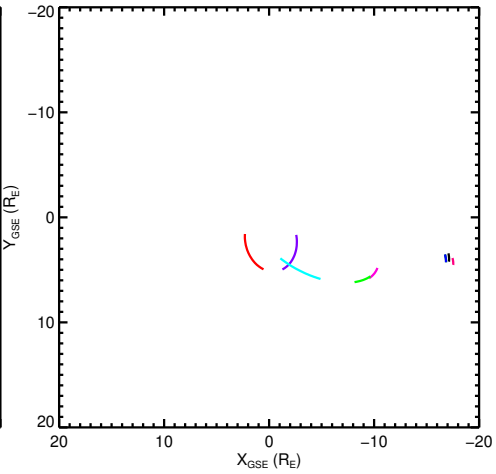


(a) 0045UT to 0315UT
ade bks cly cve cvw fhe fhw kap pgr

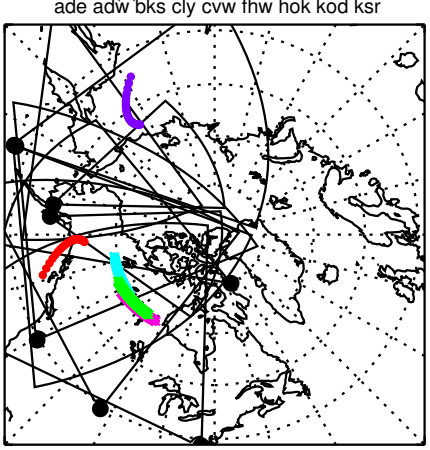


dce sps

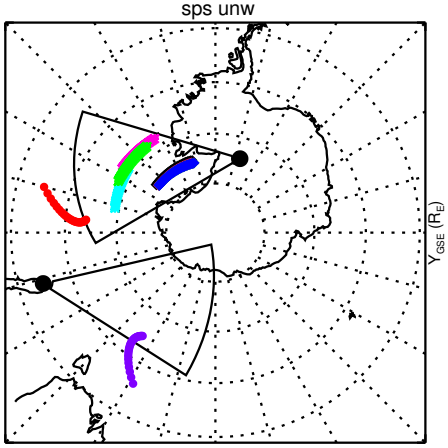


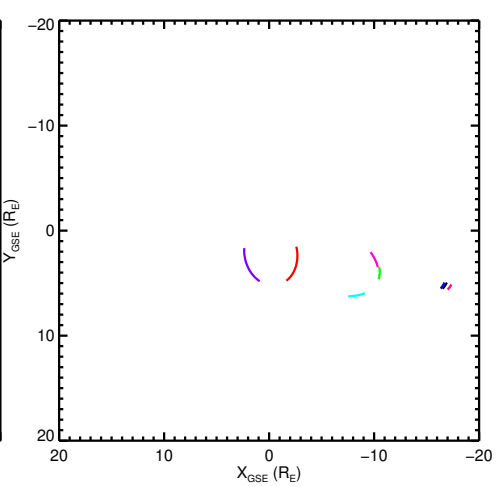


(b) 0525UT to 0740UT
ade adw bks cly cvw fhw hok kod ksr

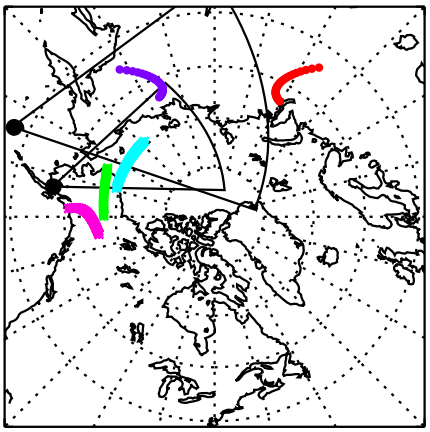


sps unw

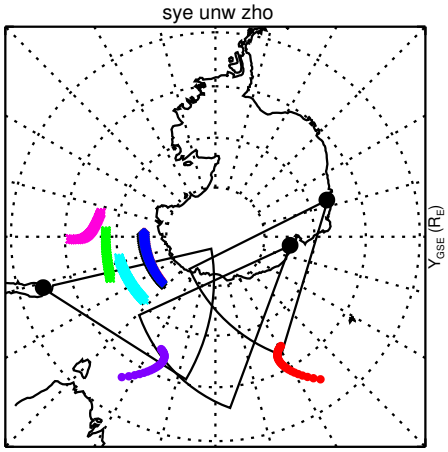


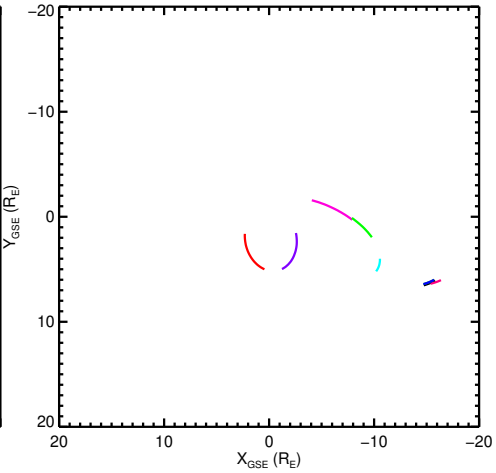


(c) 0945UT to 1220UT
adw ksr

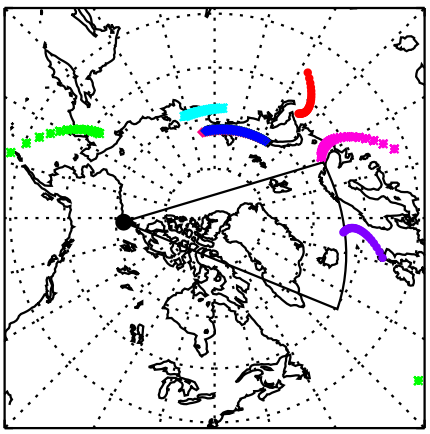


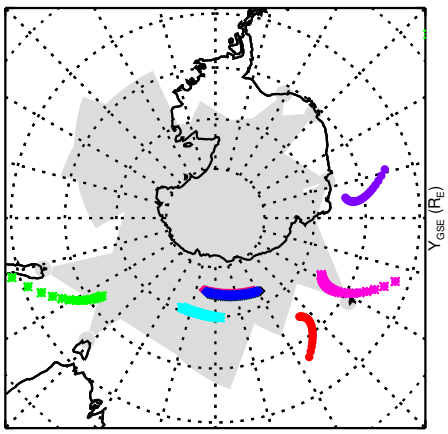
sye unw zho

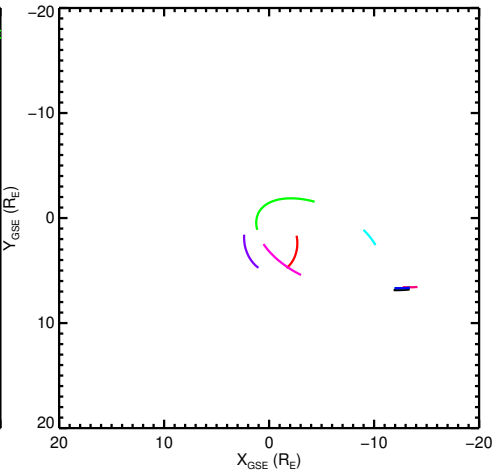




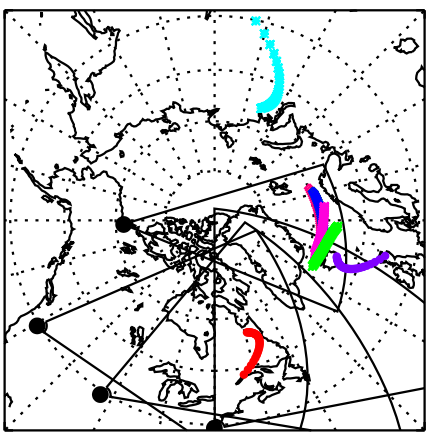
(d) 1425UT to 1635UT
inv

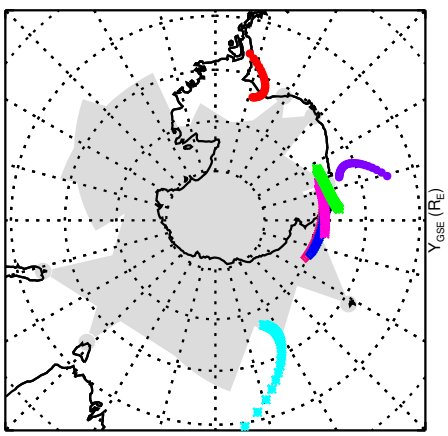


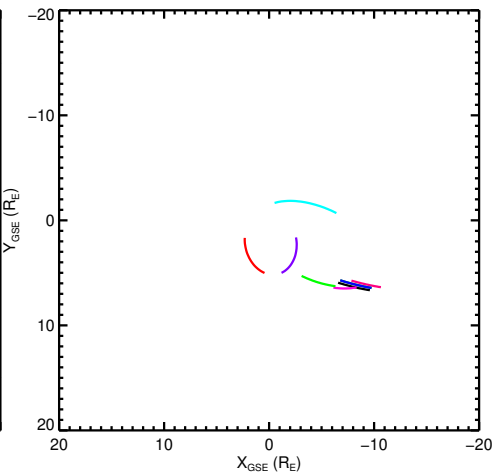




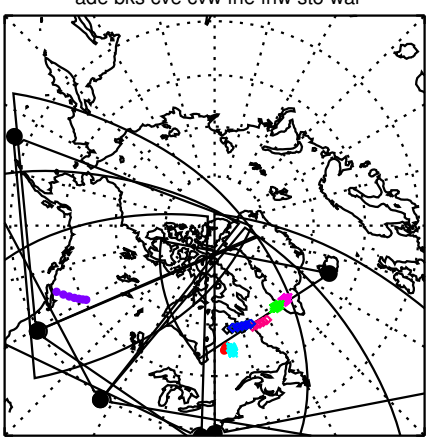
(e) 1845UT to 2120UT
cve fhe inv wal



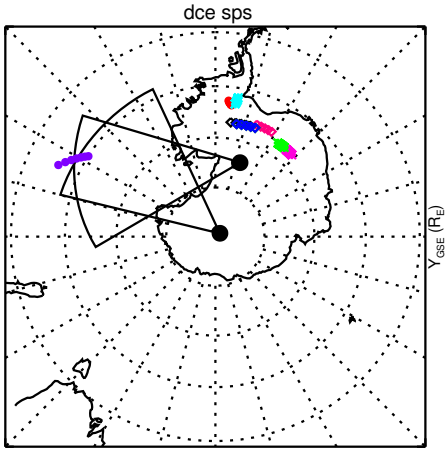


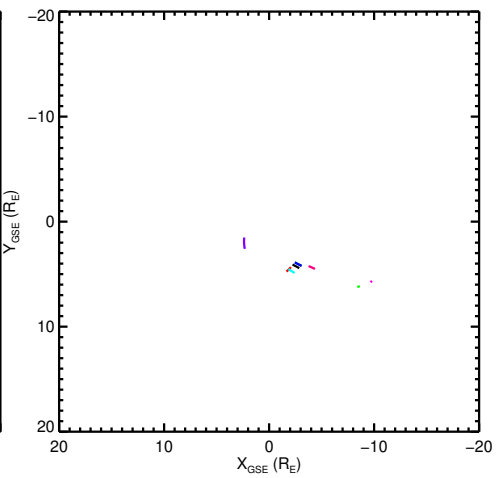


(f) 2325UT to 2355UT
ade bks cve cvw fhe fhw sto wal



dce sps

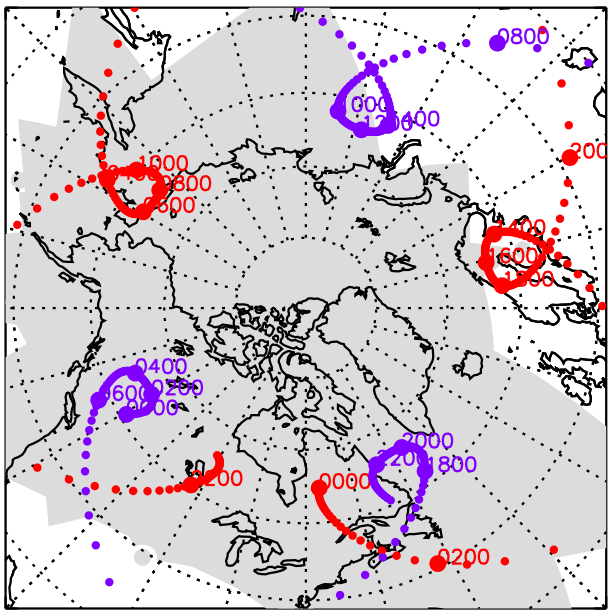


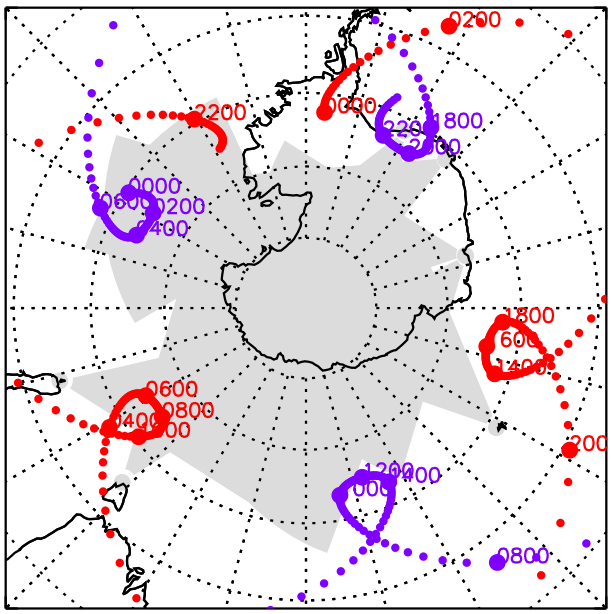


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

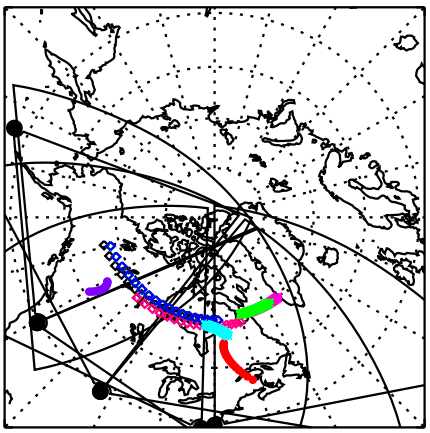
17–Sep–2013

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

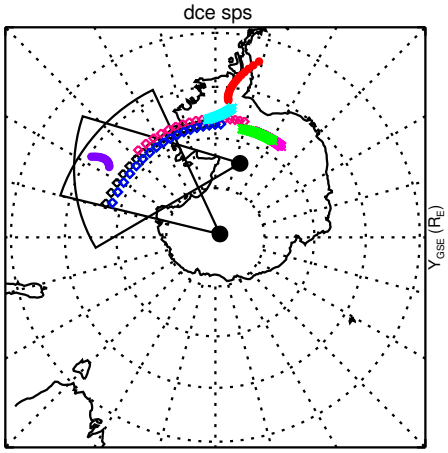


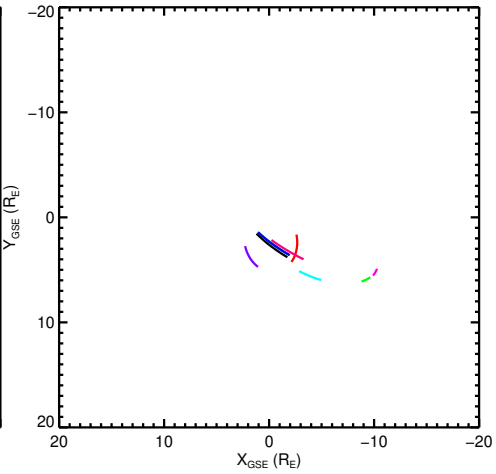


(a) 0000UT to 0135UT
ade bks cve cvw fhe fhw wal

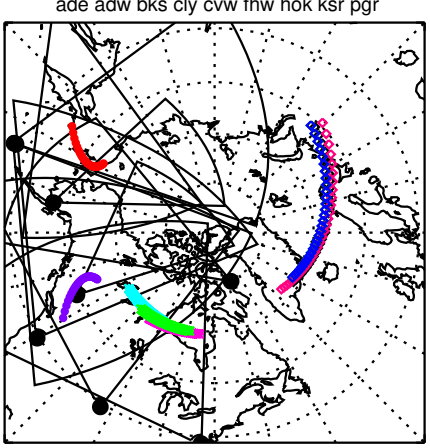


dce sps

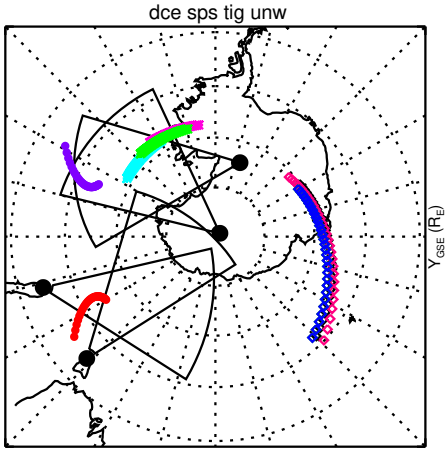


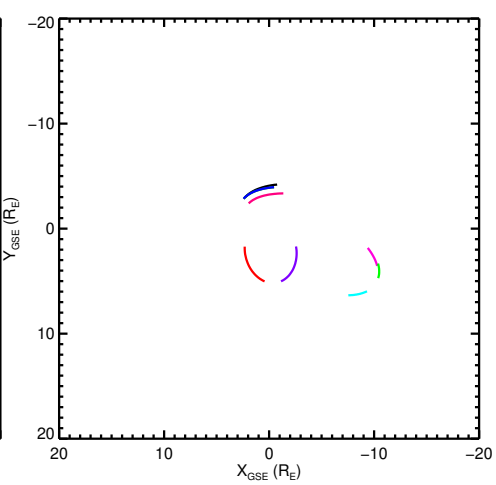


(b) 0345UT to 0620UT
ade adw bks cly cvw fhw hok ksr pgr



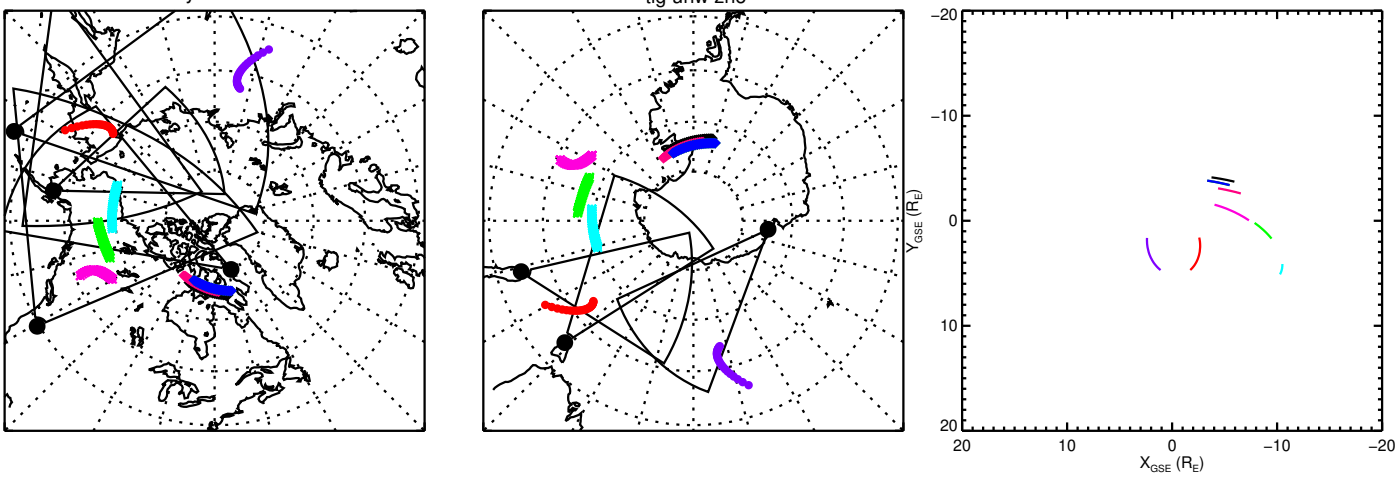
dce sps tig unw



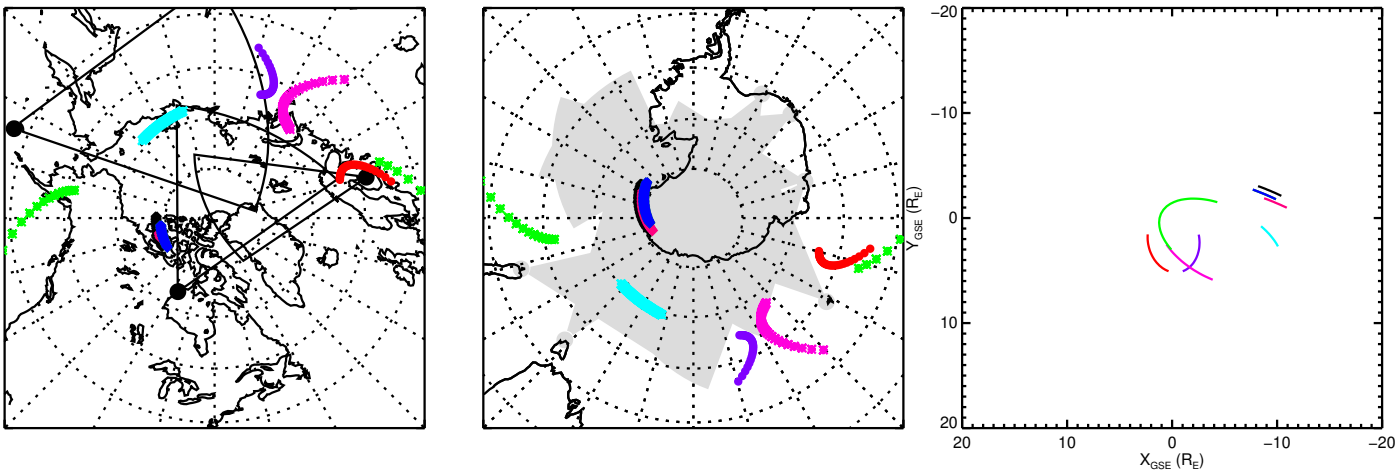


(c) 0830UT to 1035UT
adw cly cvw hok ksr

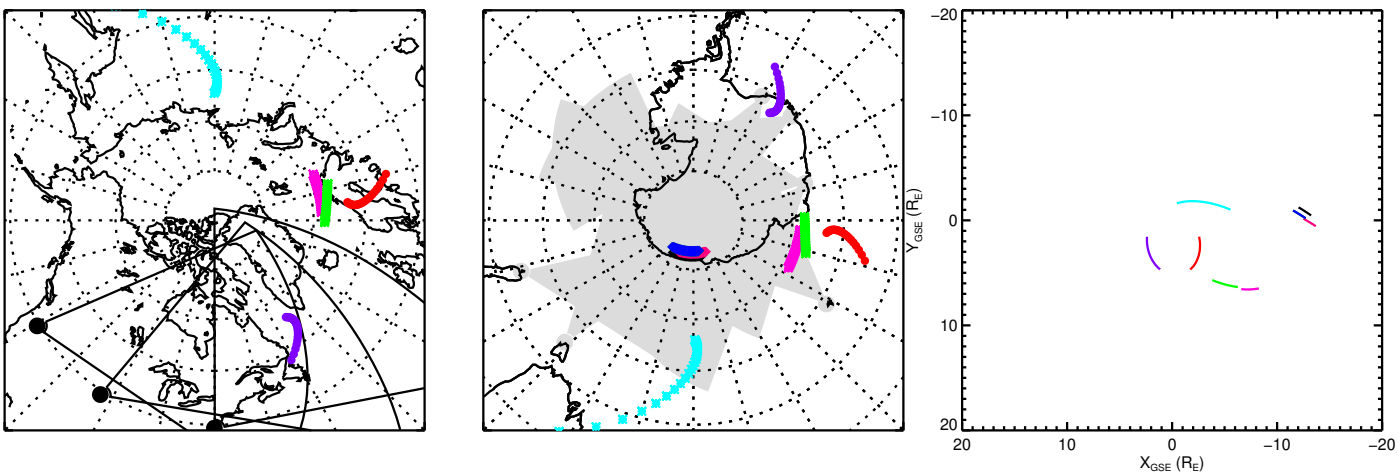
tig unw zho



(d) 1240UT to 1525UT
adw han rkn

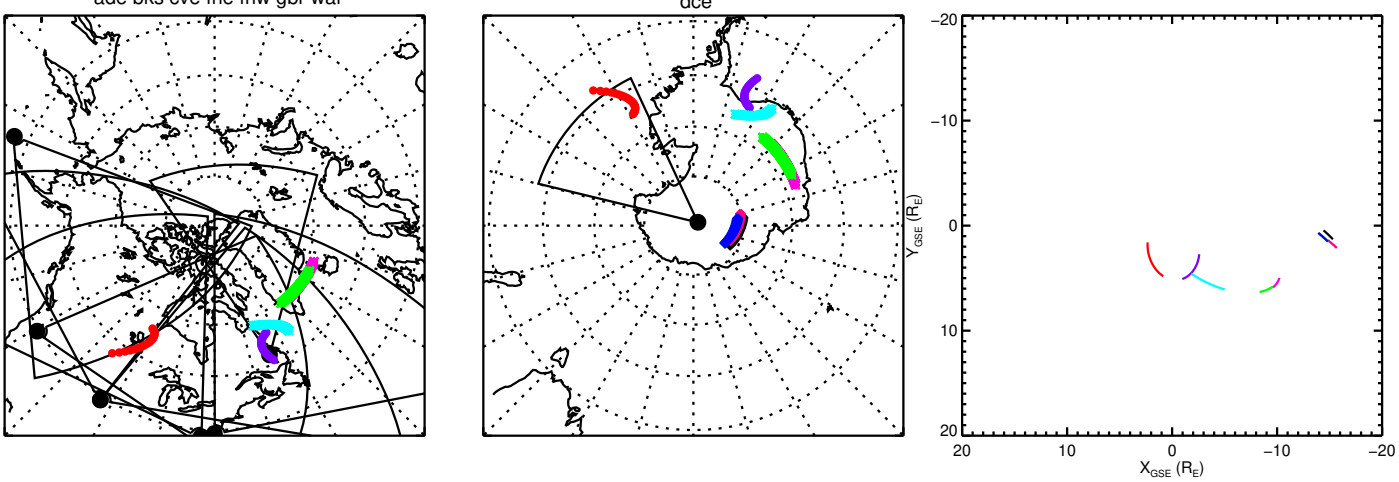


(e) 1730UT to 1935UT
cve fhe wal



(f) 2140UT to 2355UT
ade bks cve fhe fhw gbr wal

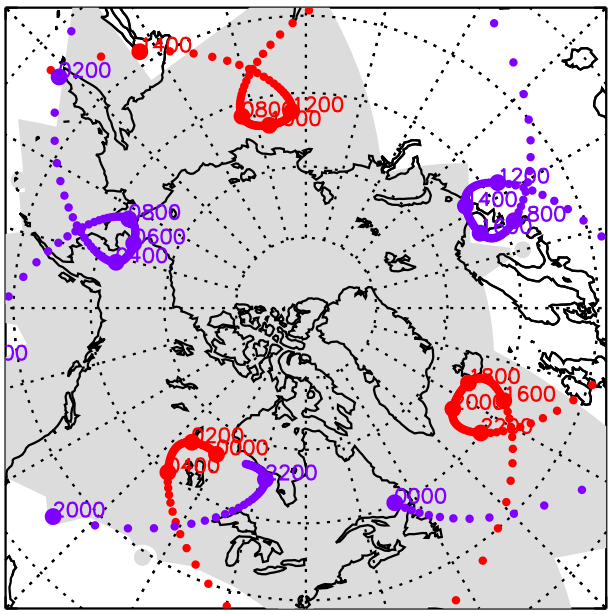
dce

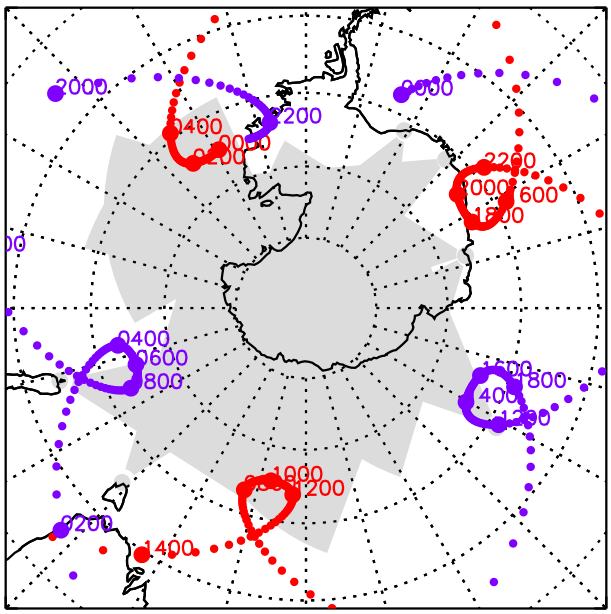


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

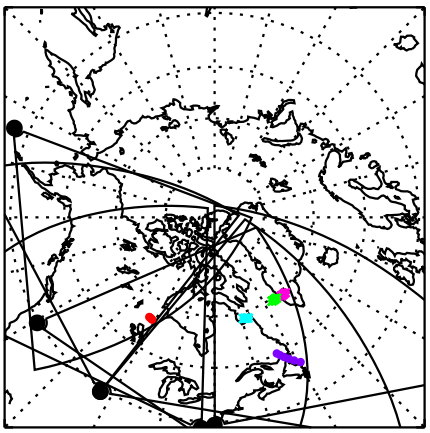
18–Sep–2013

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

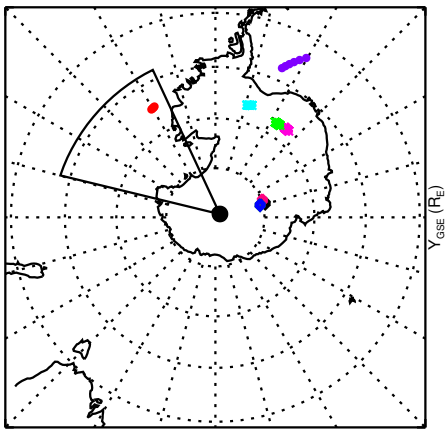


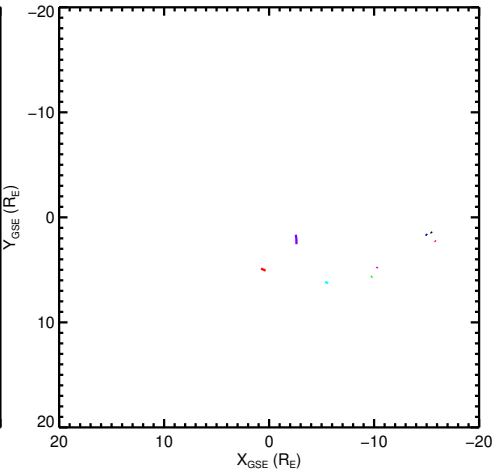


(a) 0000UT to 0025UT
ade bks cve fhe fhw wal

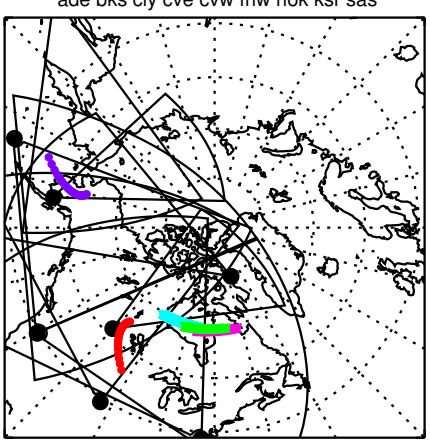


dce

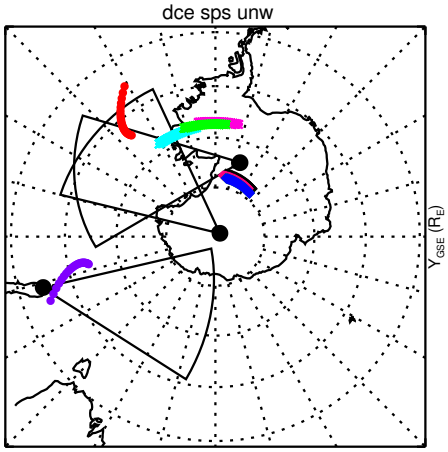


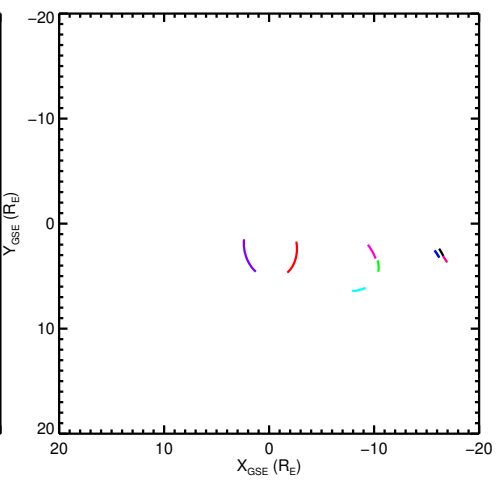


(b) 0230UT to 0430UT
ade bks cly cve cvw fhw hok ksr sas

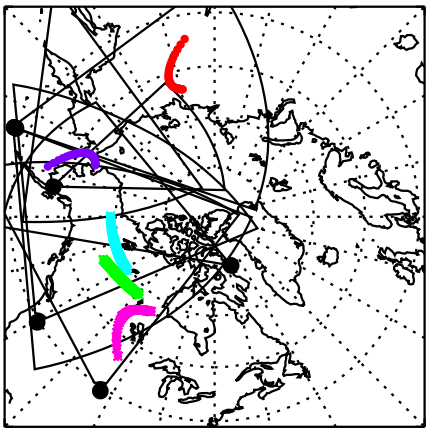


dce sps unw

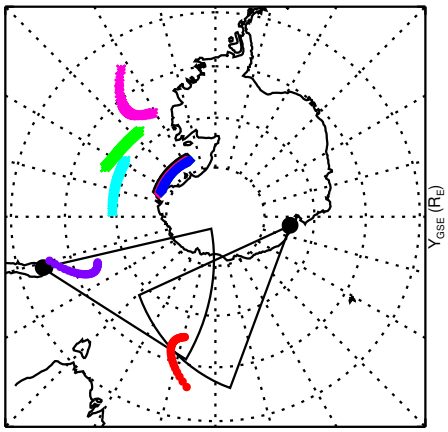


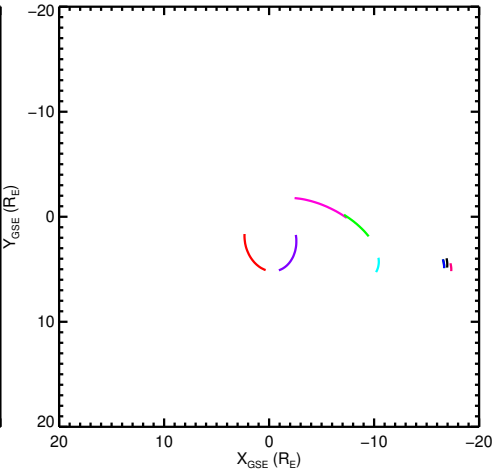


(c) 0640UT to 0925UT
ade adw cly cvw fhw hok ksr

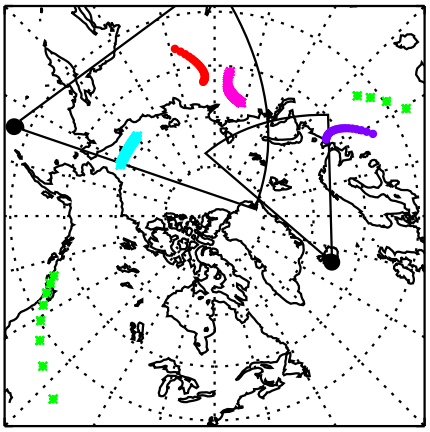


unw zho

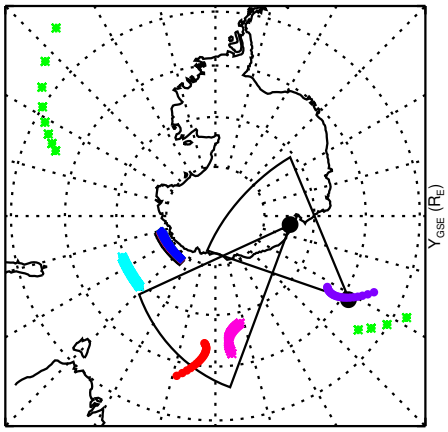


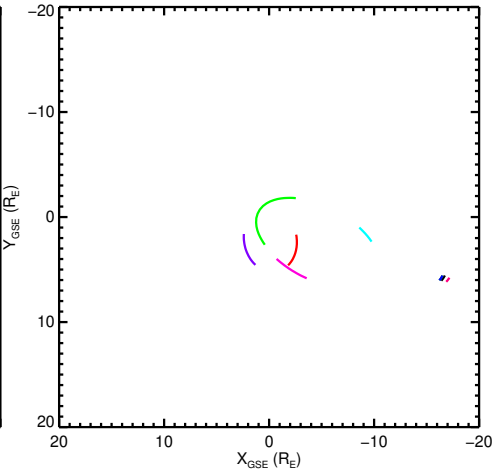


(d) 1135UT to 1330UT
adw pyk

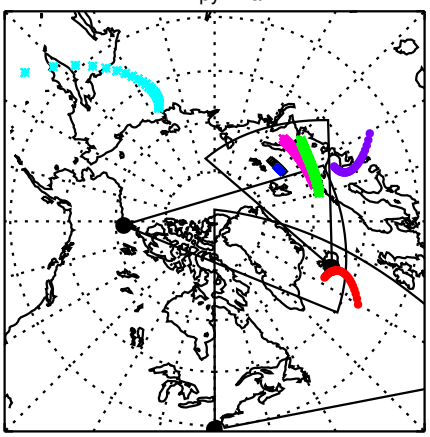


ker zho

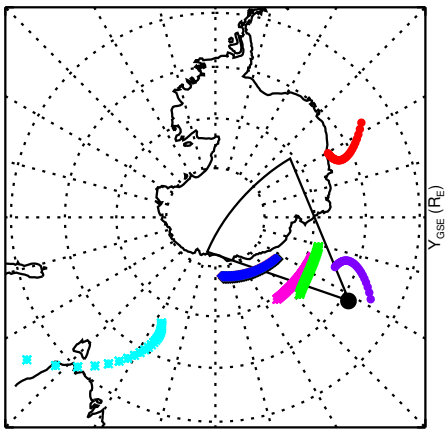


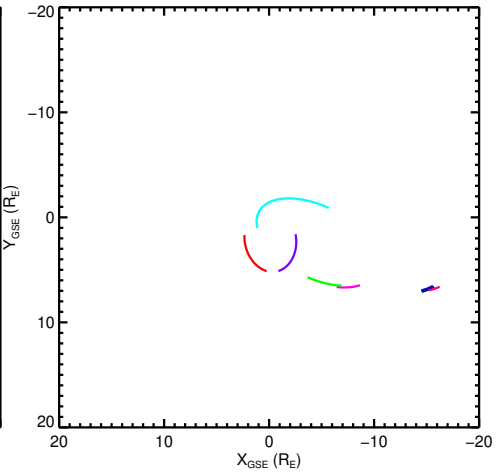


(e) 1540UT to 1830UT
inv pyk wal

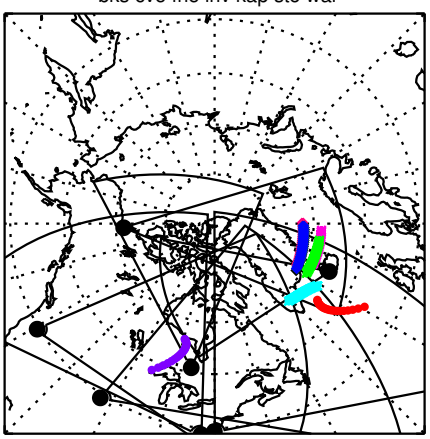


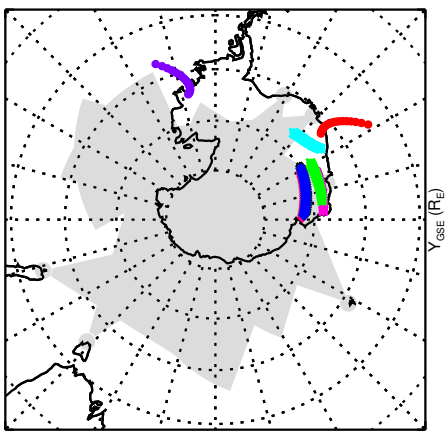
ker

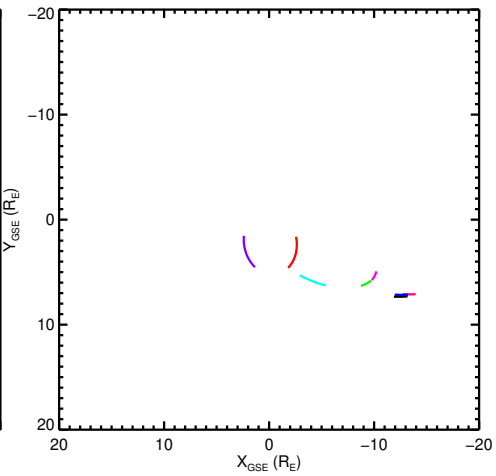




(f) 2035UT to 2230UT
bks cve fhe inv kap sto wal



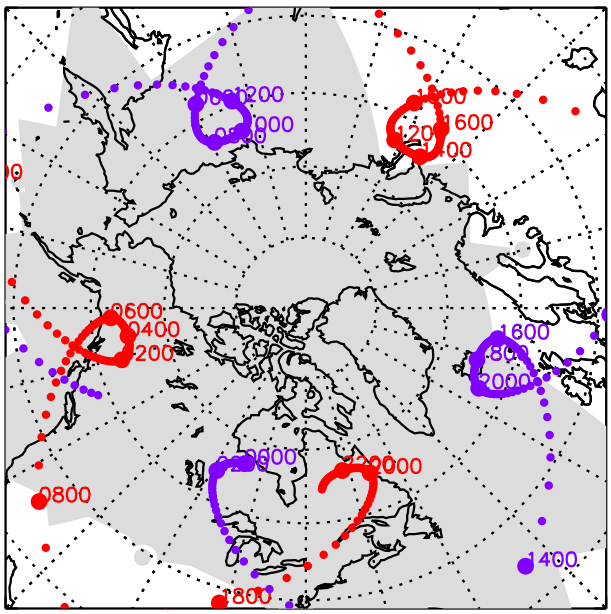


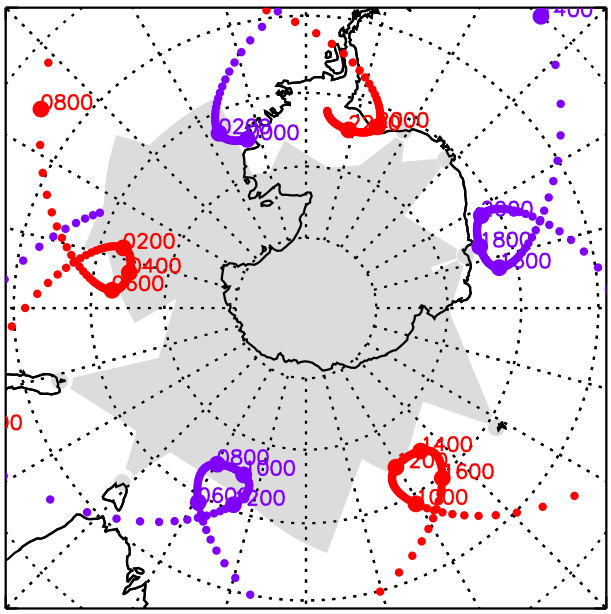


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

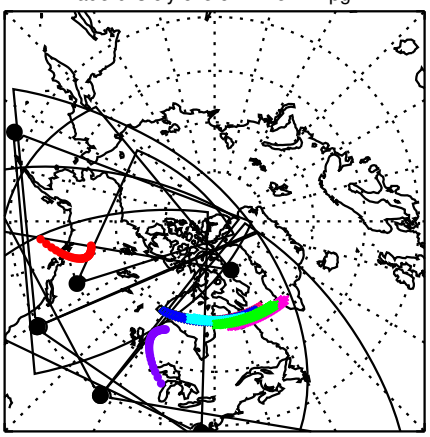
19–Sep–2013

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

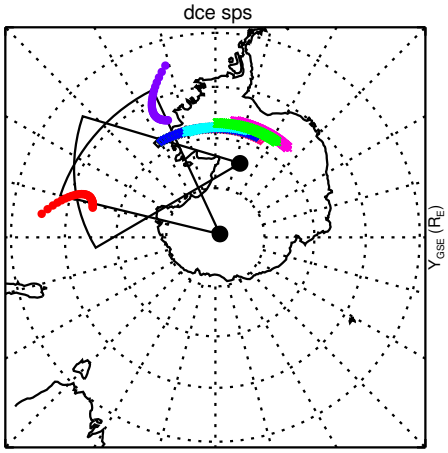


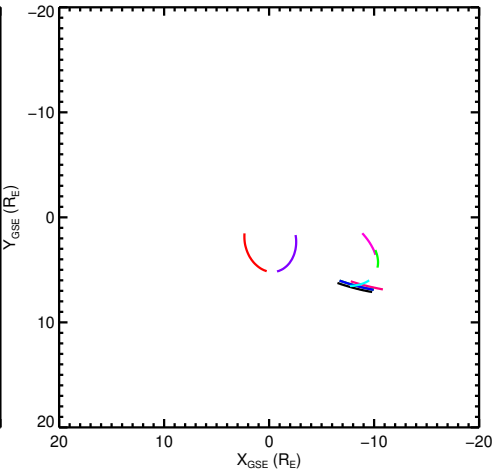


(a) 0035UT to 0330UT
ade bks cly cve cvw fhe fhw pgr

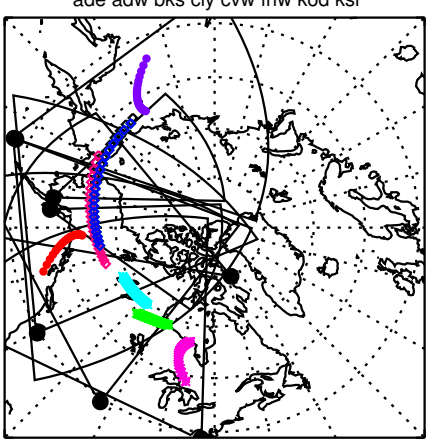


dce sps

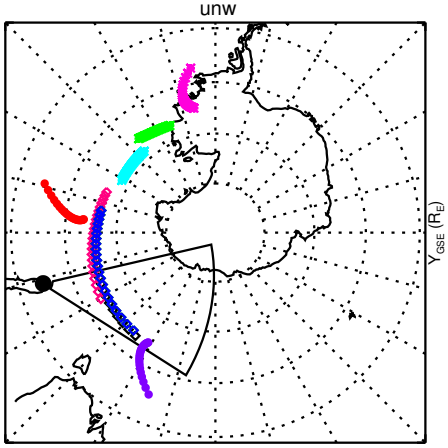


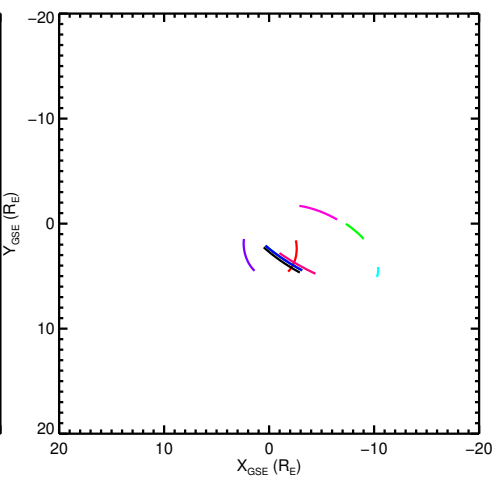


(b) 0535UT to 0730UT
ade adw bks cly cvw fhw kod ksr



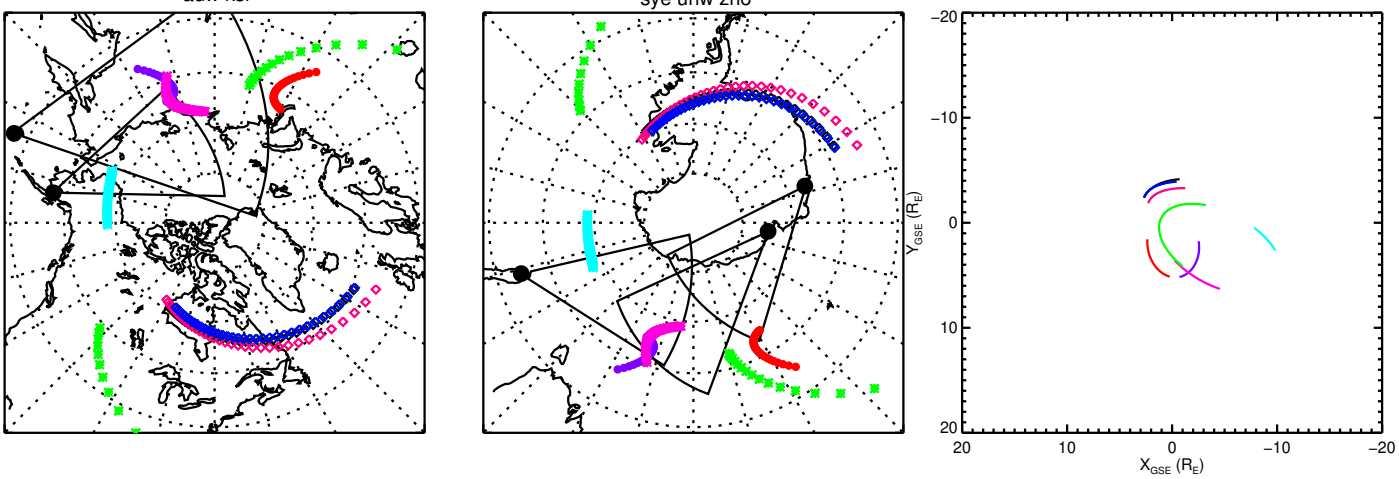
unw



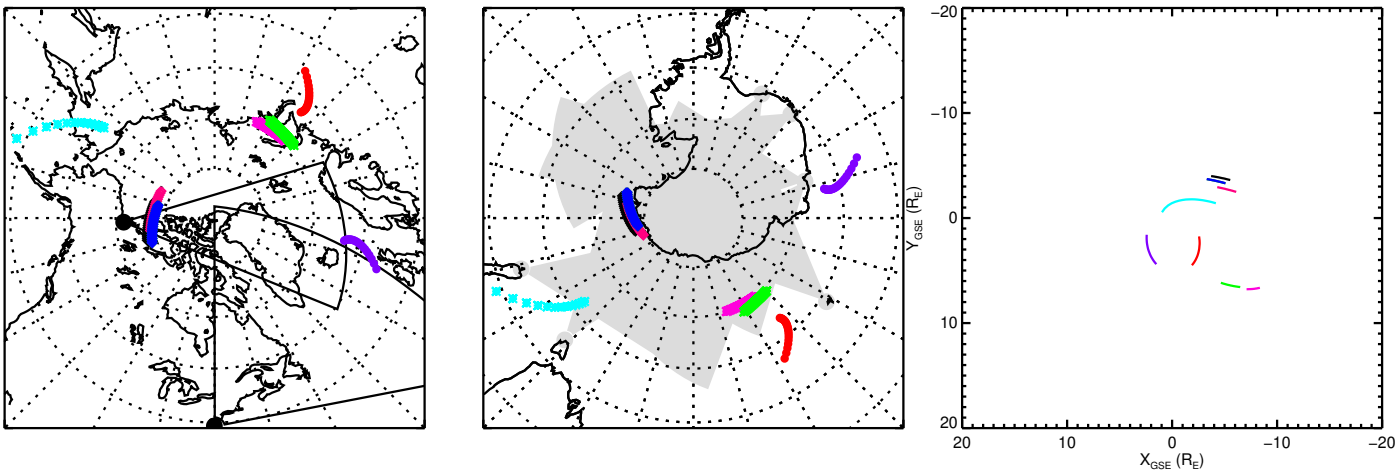


(c) 0935UT to 1230UT
adw ksr

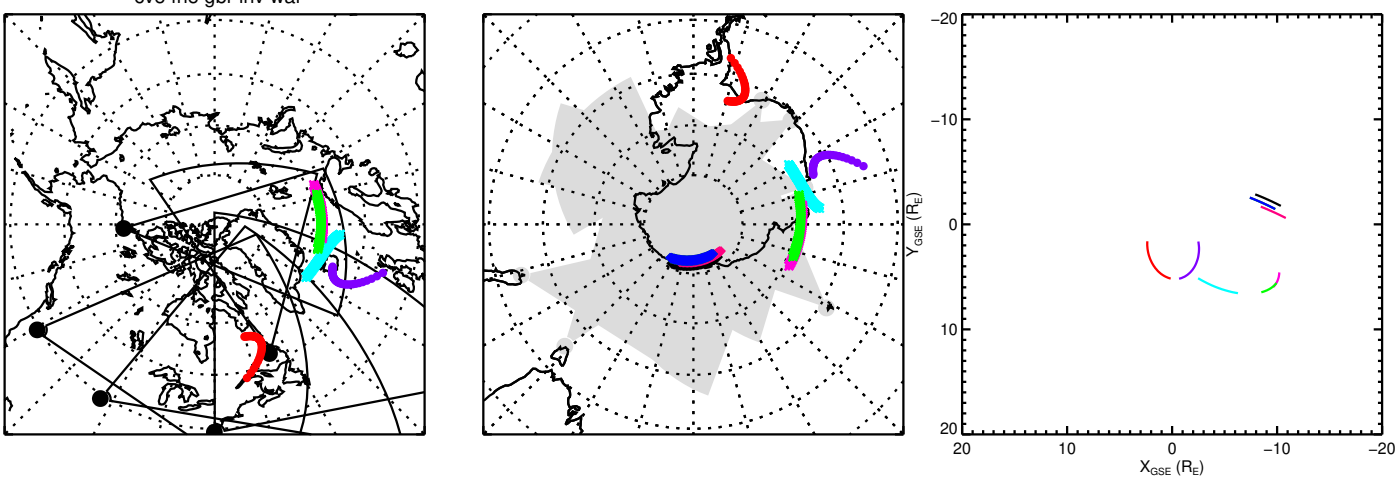
sye unw zho



(d) 1440UT to 1625UT
inv wal

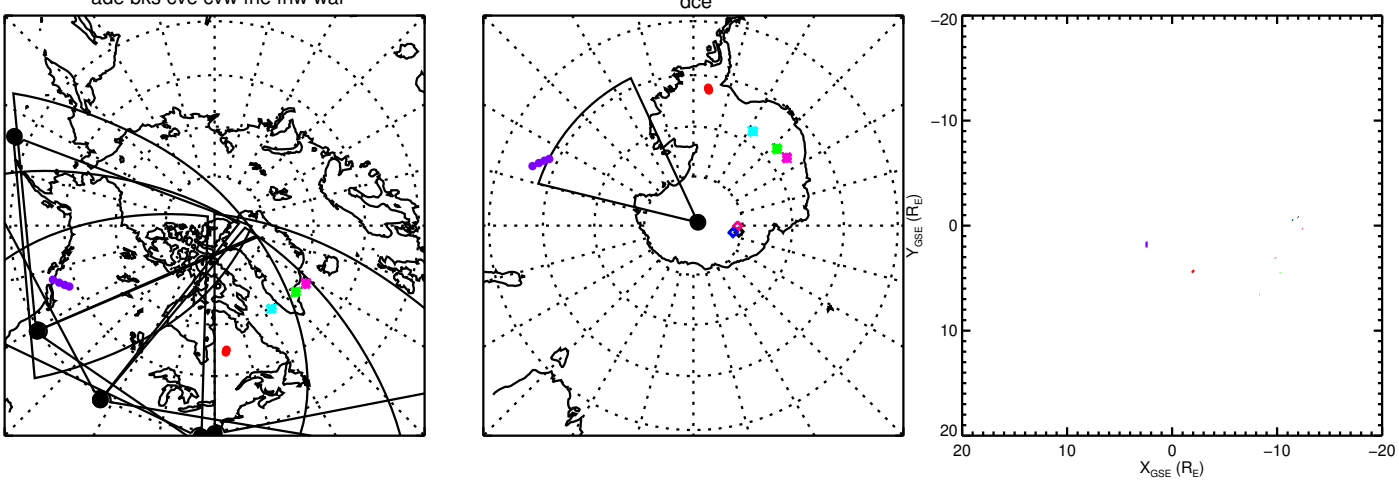


(e) 1835UT to 2135UT
cve fhe gbr inv wal



(f) 2340UT to 2355UT
ade bks cve cvw fhe fhw wal

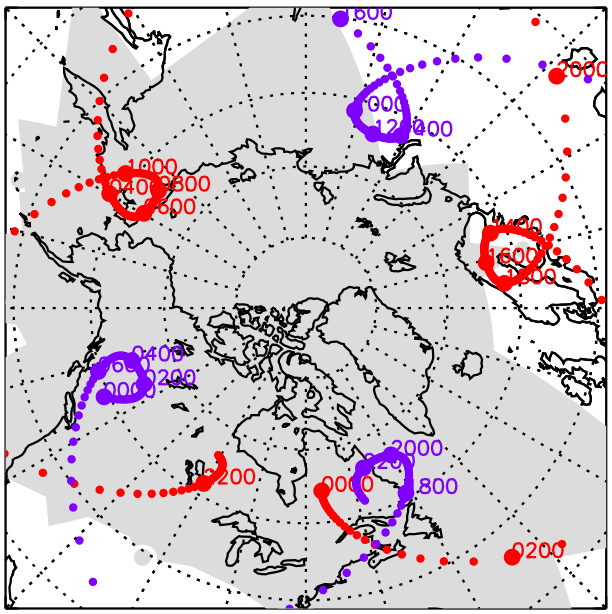
dce

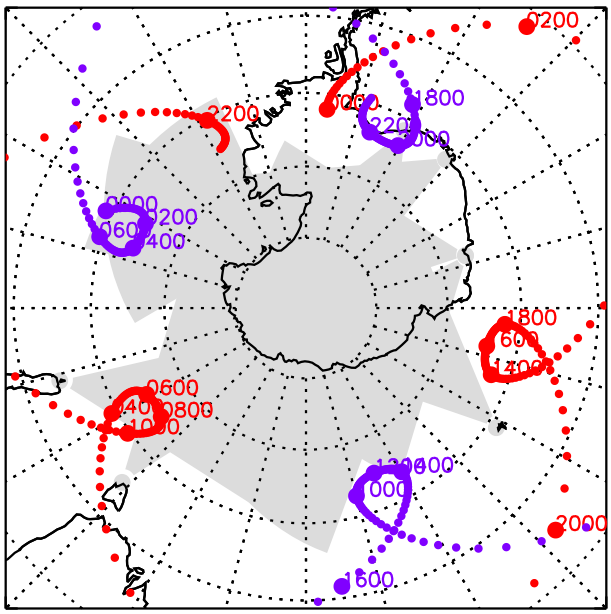


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

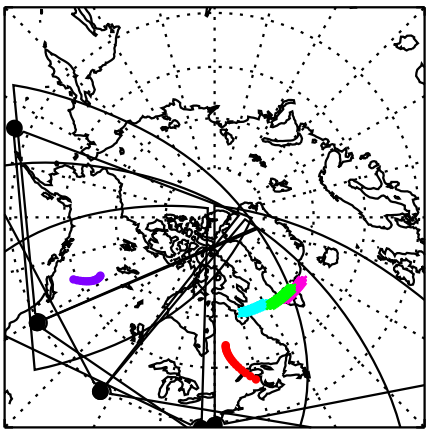
20–Sep–2013

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

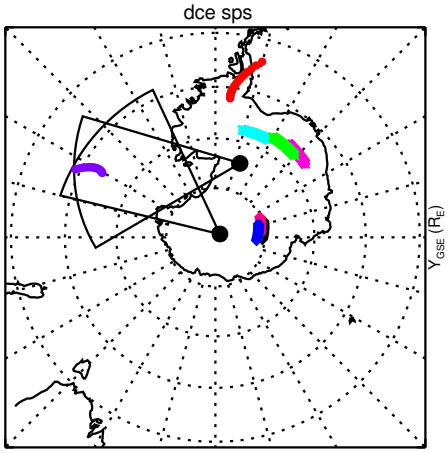


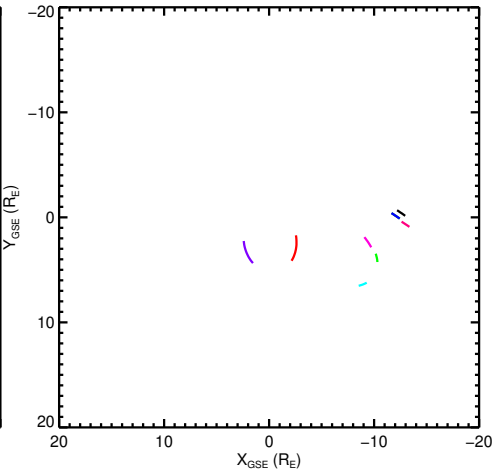


(a) 0000UT to 0125UT
ade bks cve cvw fhe fhw wal

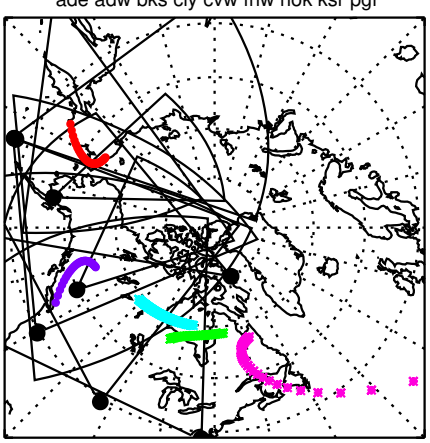


dce sps

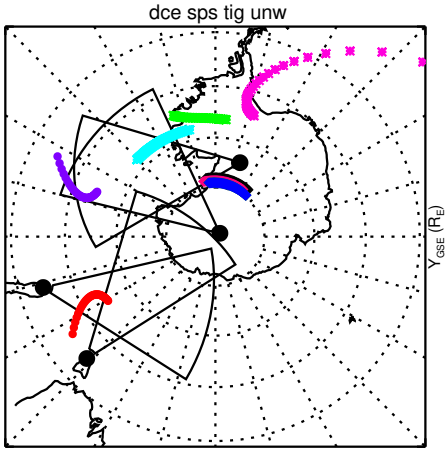


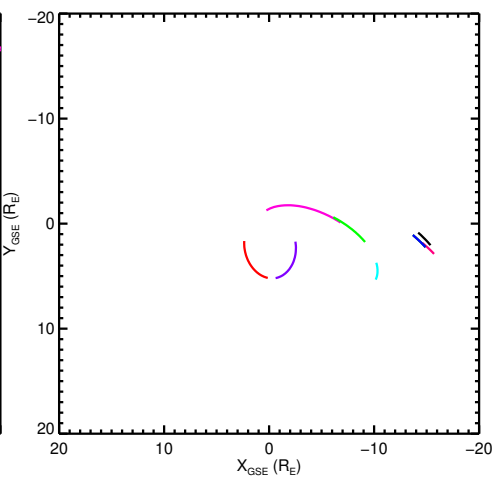


(b) 0335UT to 0635UT
ade adw bks cly cvw fhw hok ksr pgr



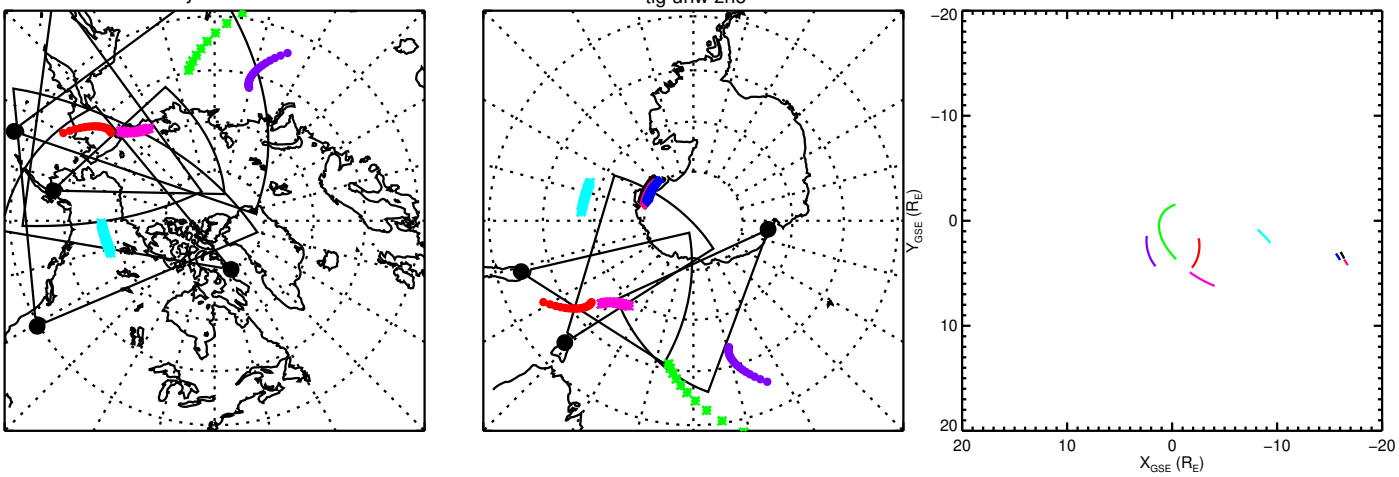
dce sps tig unw





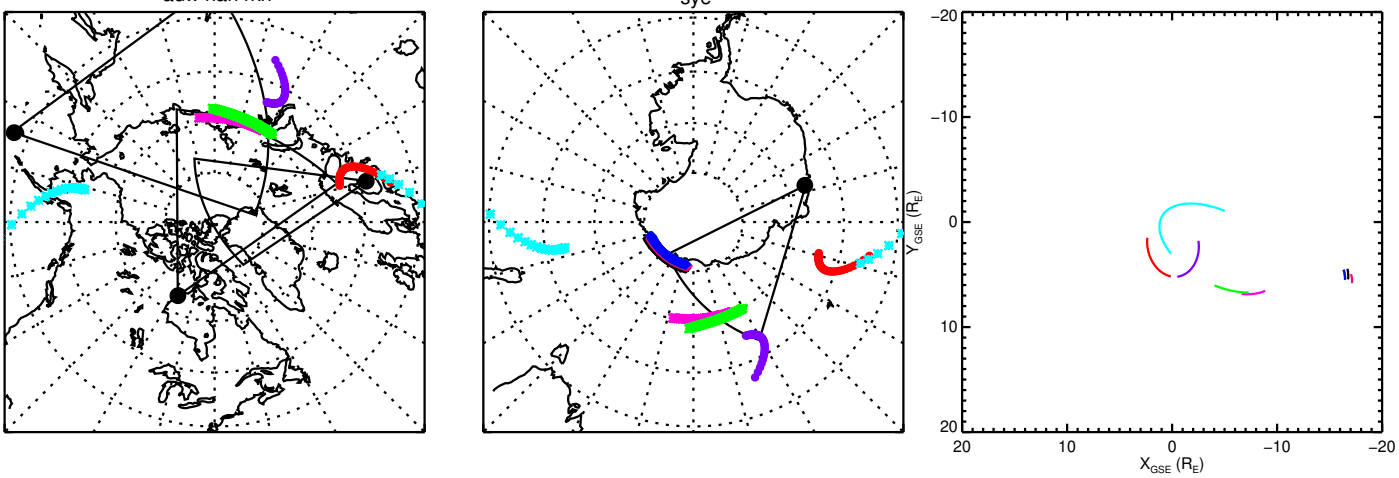
(c) 0840UT to 1025UT
adw cly cvw hok ksr

tig unw zho

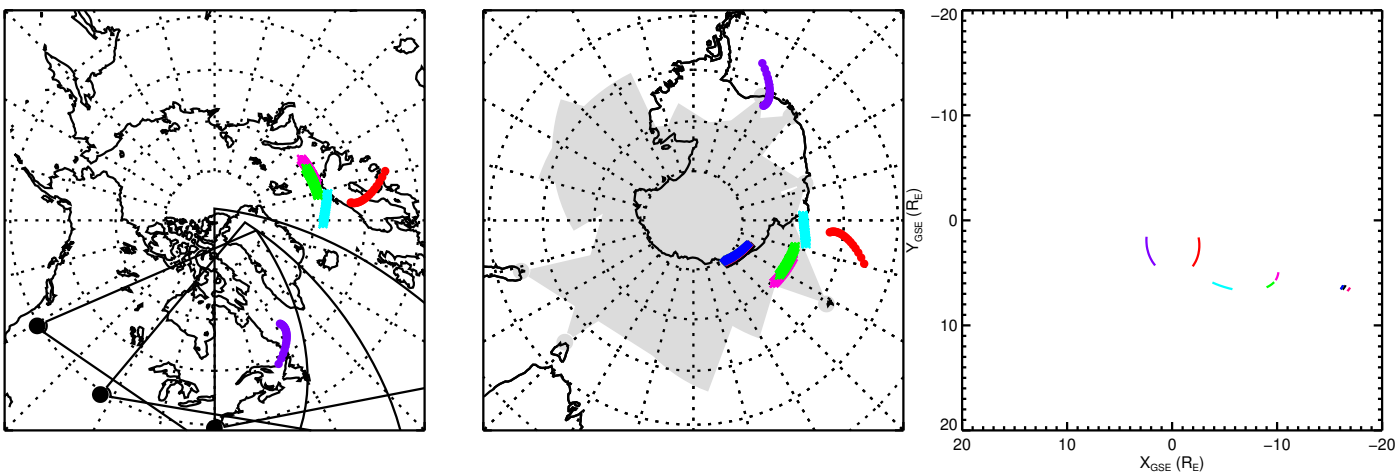


(d) 1230UT to 1535UT
adw han rkn

sye

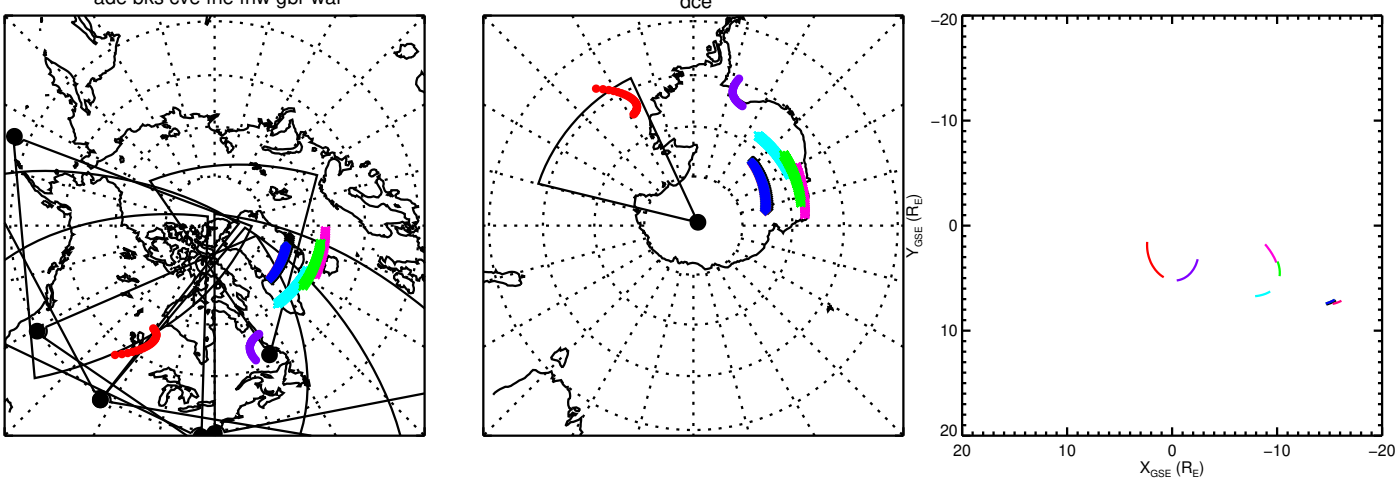


(e) 1745UT to 1925UT
cve fhe wal



(f) 2130UT to 2355UT
ade bks cve fhe fhw gbr wal

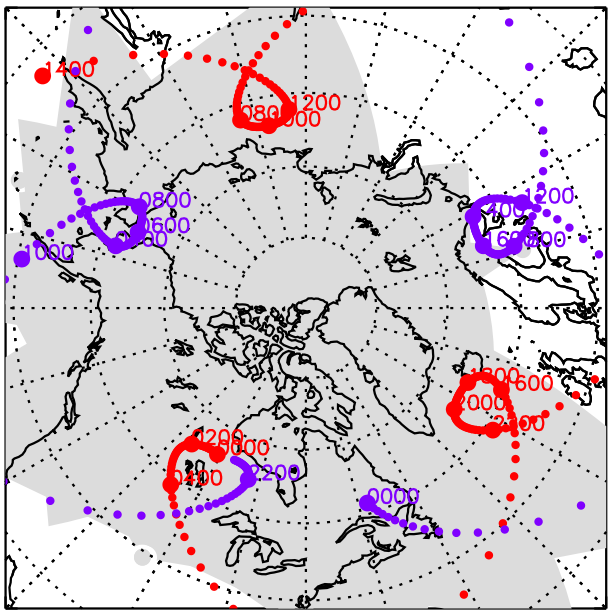
dce

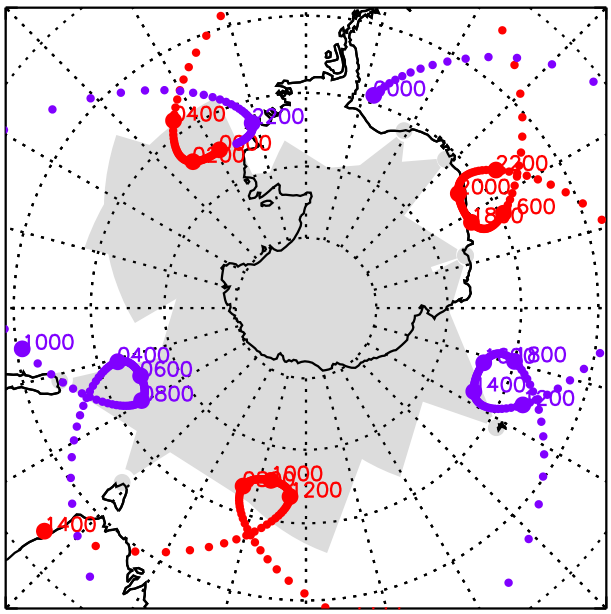


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

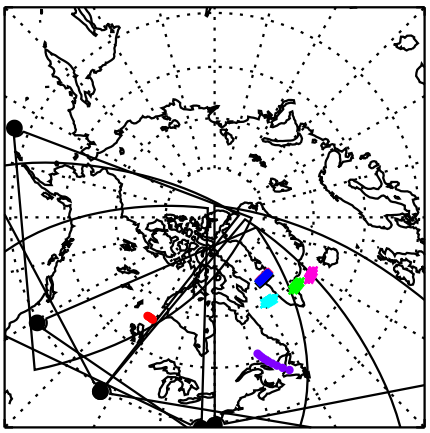
21−Sep−2013

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

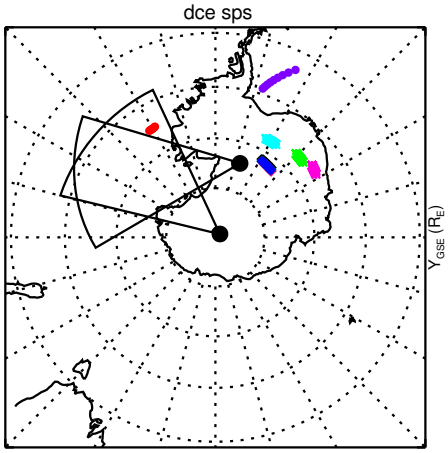


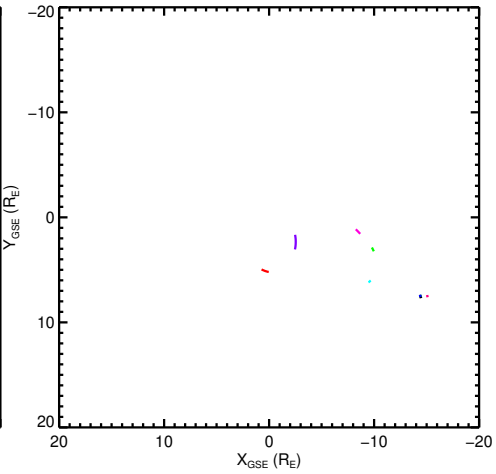


(a) 0000UT to 0040UT
ade bks cve fhe fhw wal

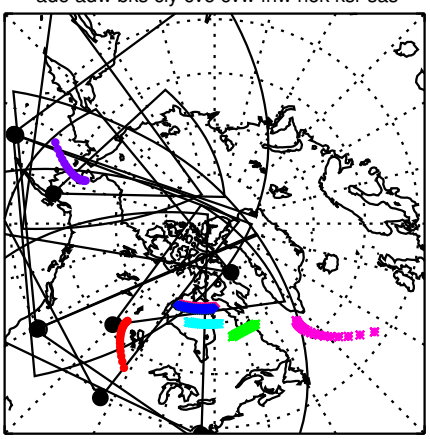


dce sps

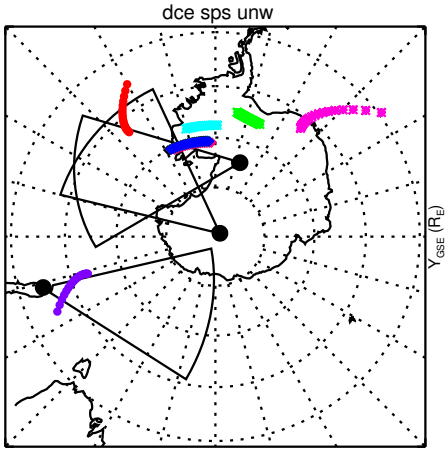


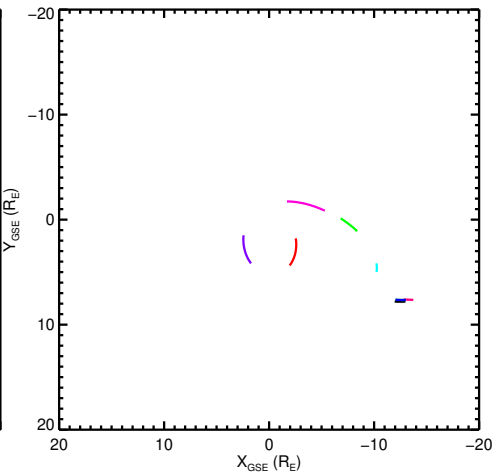


(b) 0245UT to 0420UT
ade adw bks cly cve cvw fhw hok ksr sas

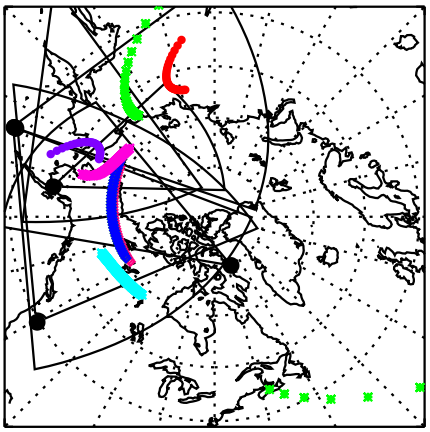


dce sps unw

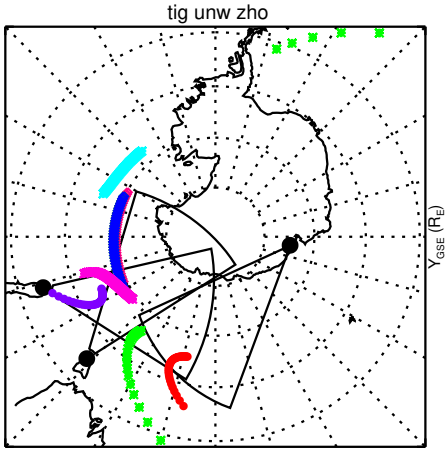


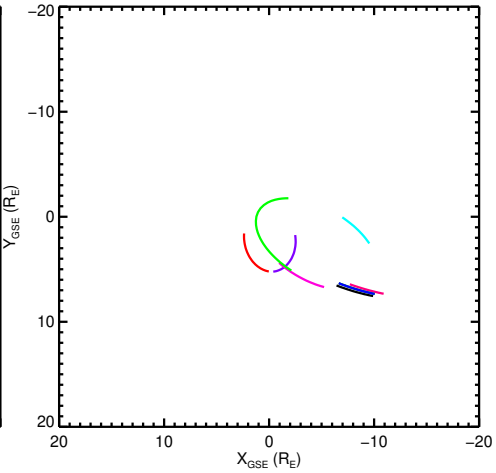


(c) 0630UT to 0940UT
ade adw cly cvw hok ksr

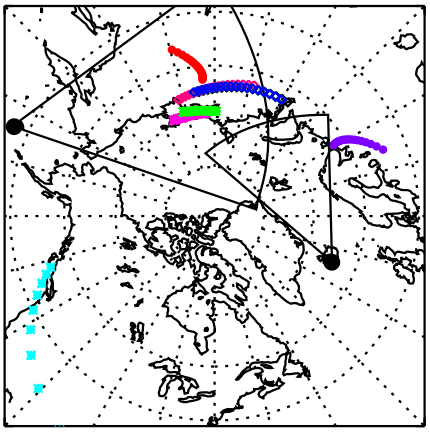


tig unw zho

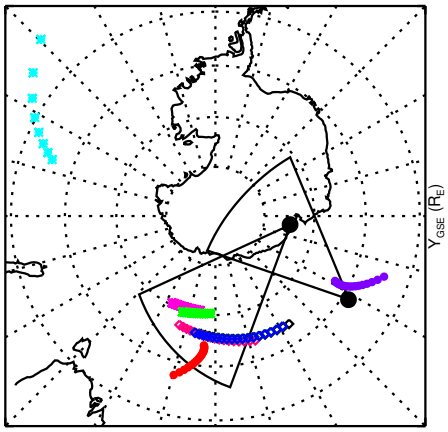


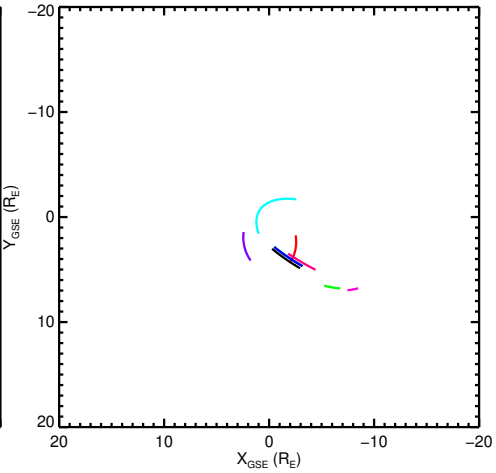


(d) 1145UT to 1320UT
adw pyk

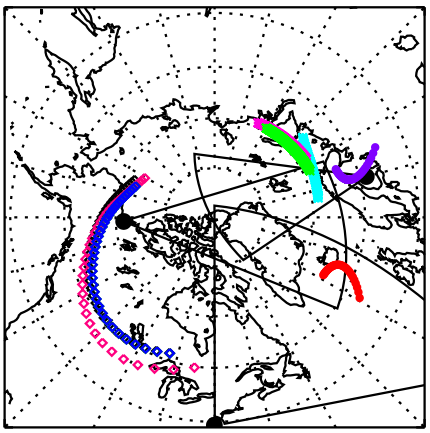


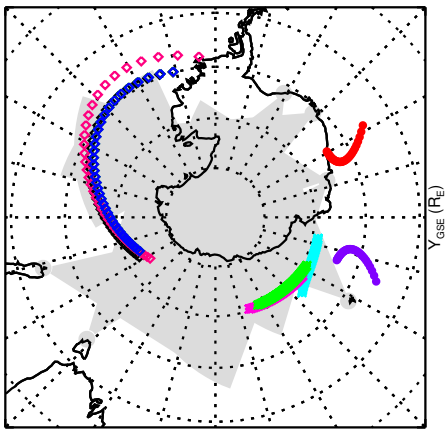
ker zho

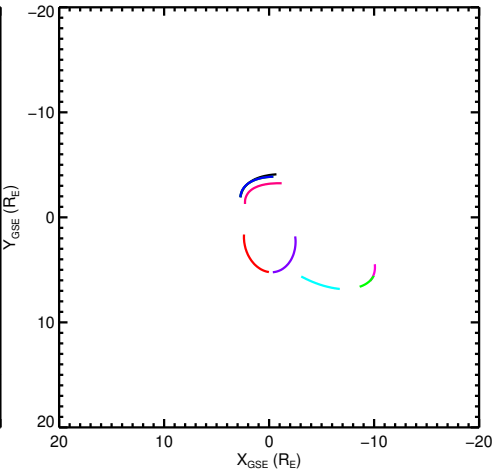




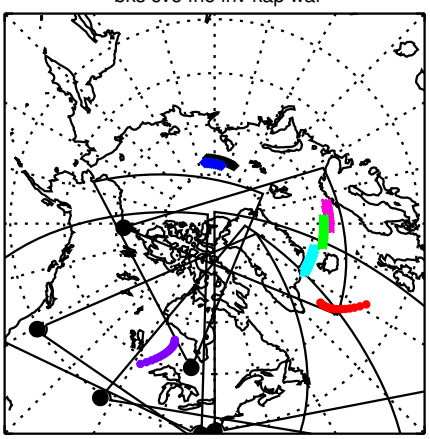
(e) 1530UT to 1840UT
han inv wal



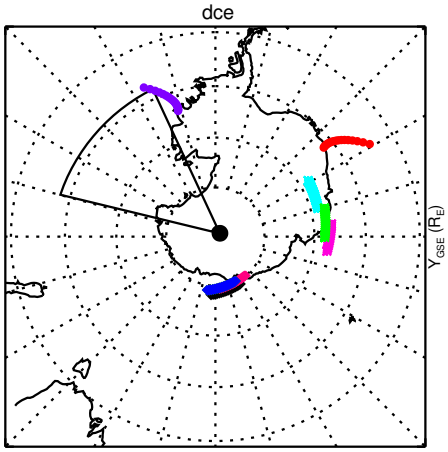


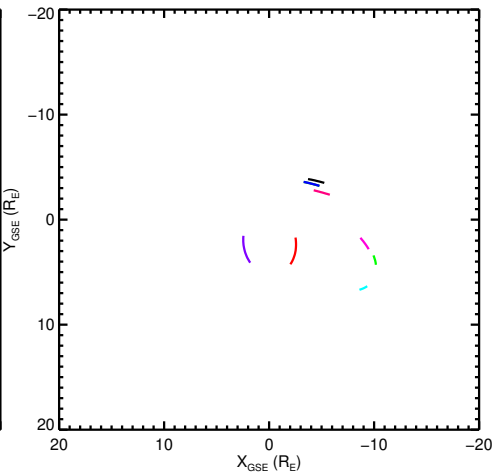


(f) 2050UT to 2220UT
bks cve fhe inv kap wal



dce

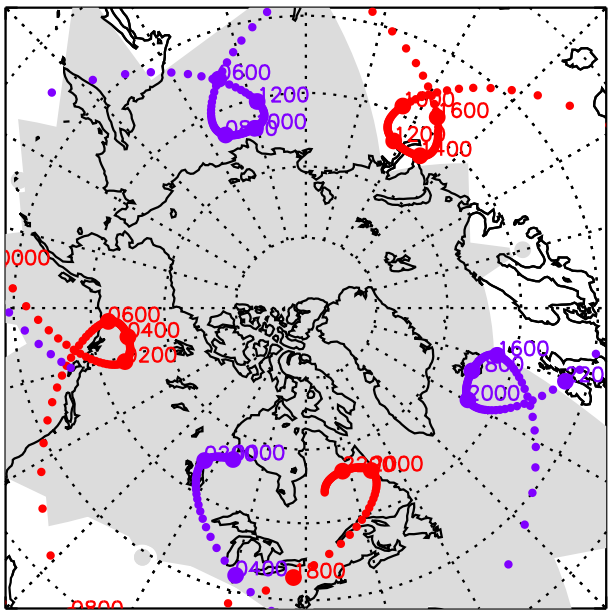


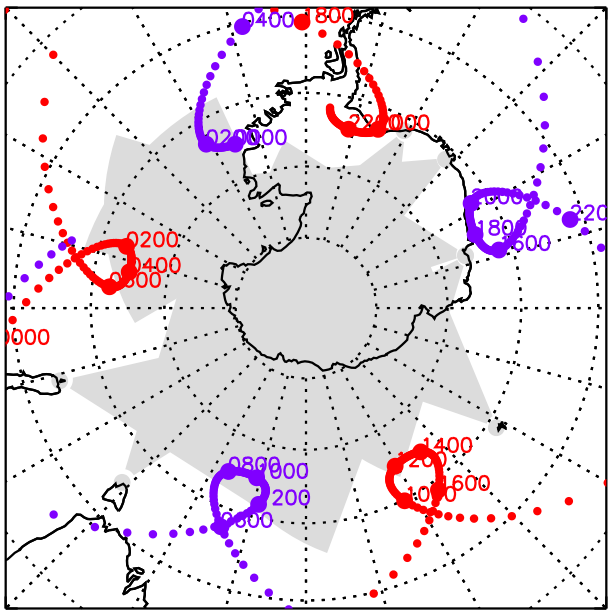


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

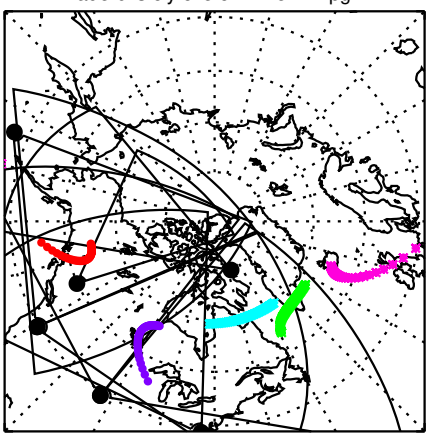
22–Sep–2013

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

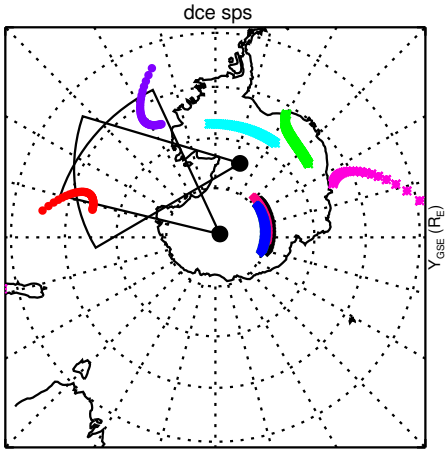


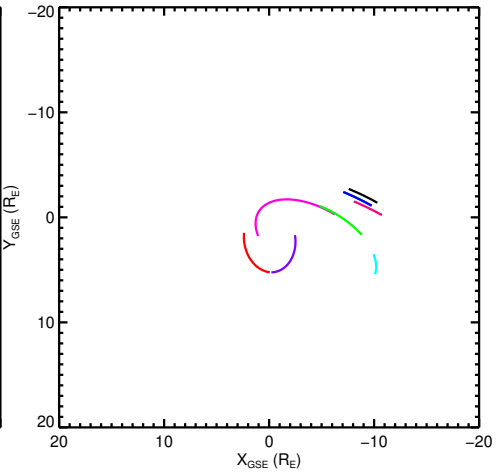


(a) 0025UT to 0345UT
ade bks cly cve cvw fhe fhw pgr

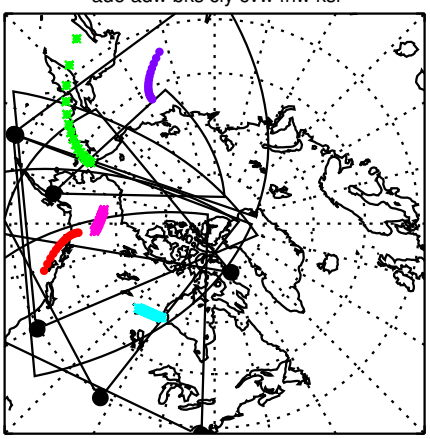


dce sps

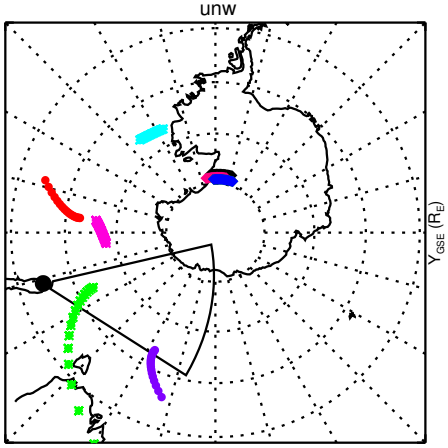


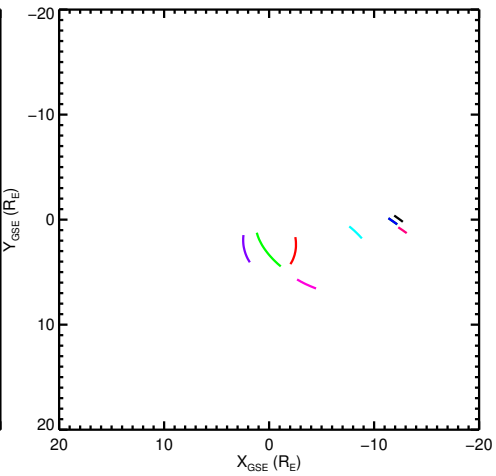


(b) 0550UT to 0720UT
ade adw bks cly cvw fhw ksr



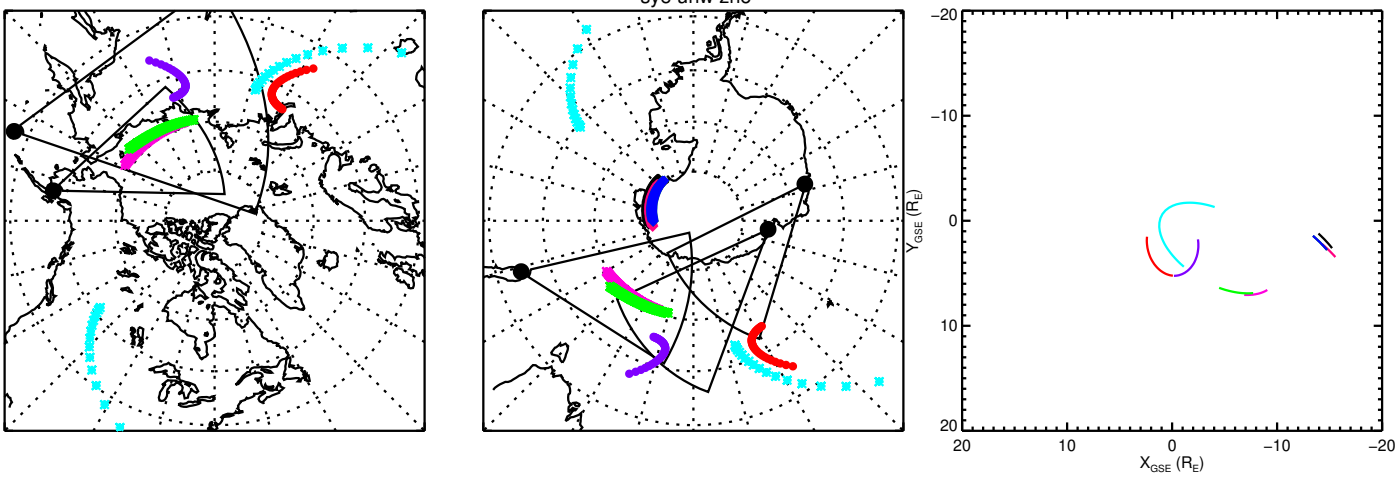
unw



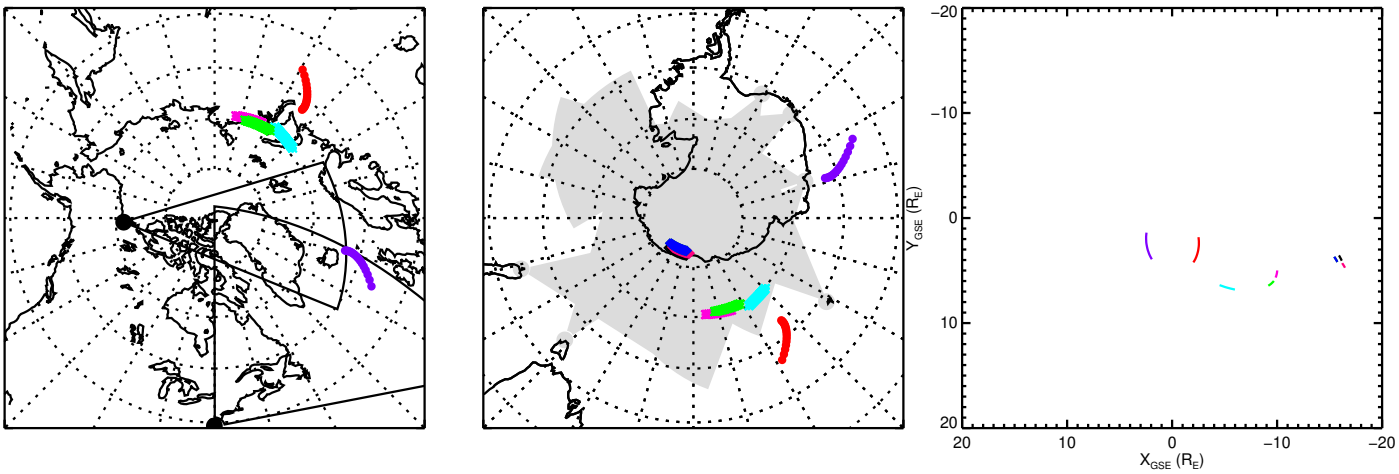


(c) 0925UT to 1245UT
adw ksr

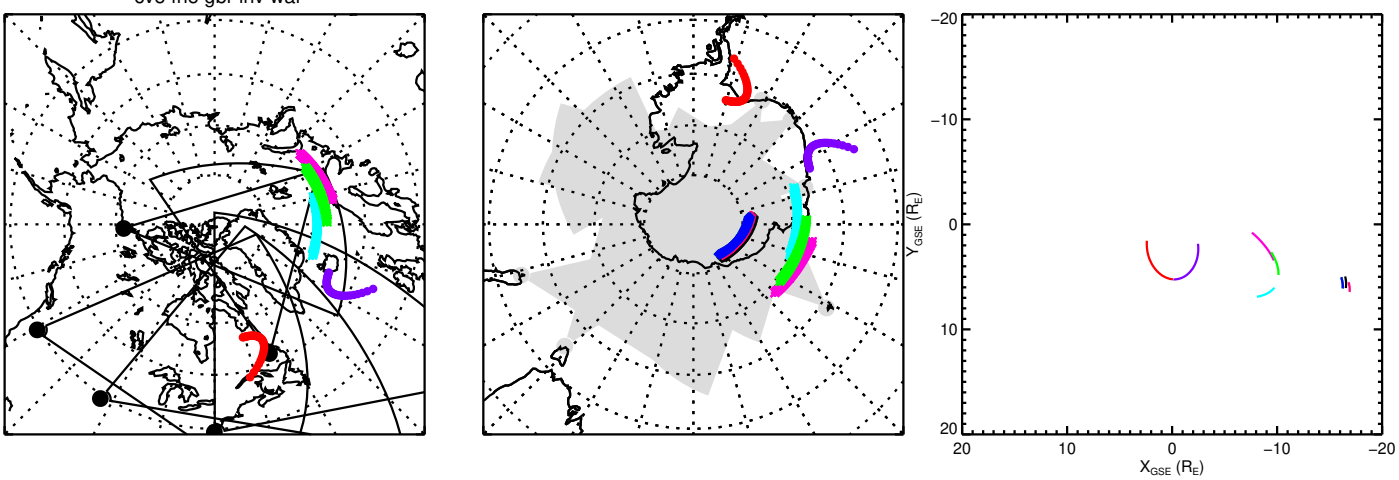
sye unw zho



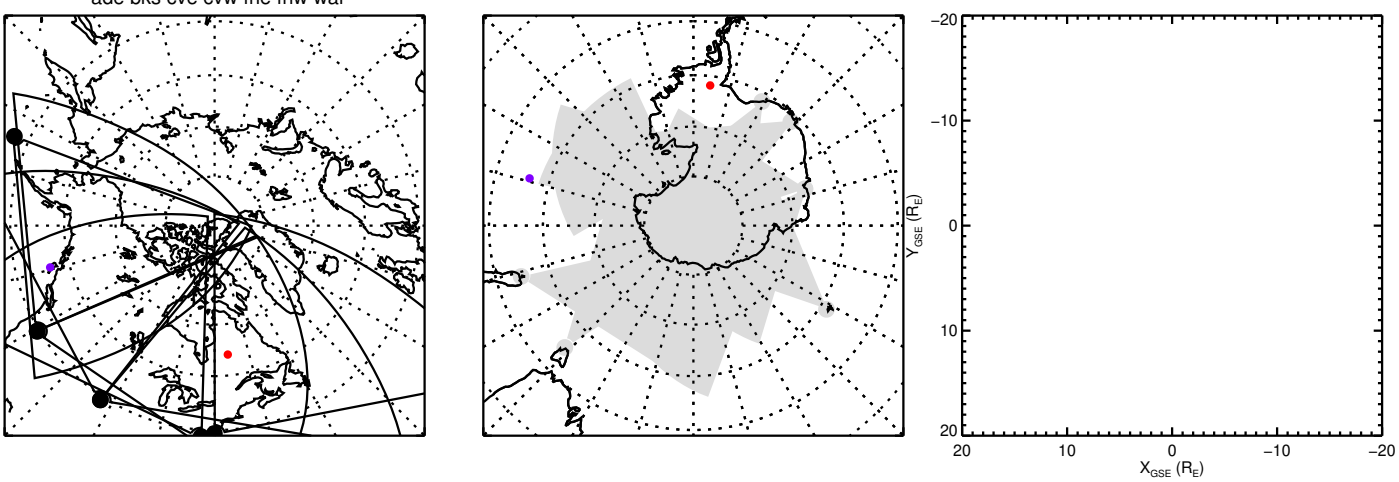
(d) 1450UT to 1615UT
inv wal



(e) 1825UT to 2145UT
cve fhe gbr inv wal



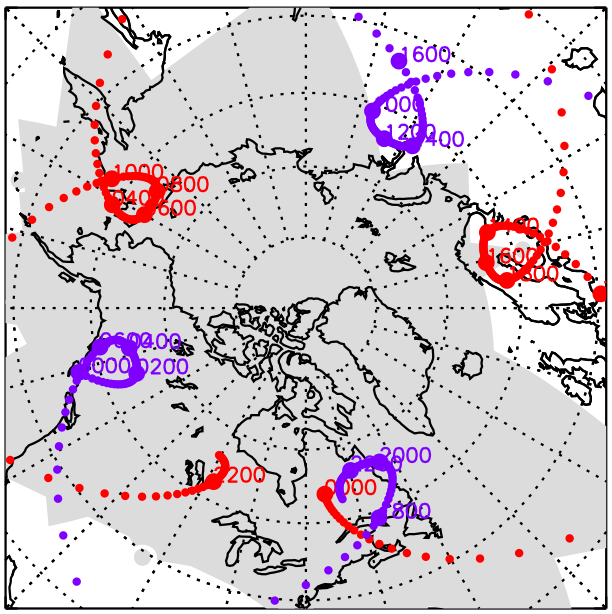
(f) 2355UT to 2355UT
ade bks cve cvw fhe fhw wal

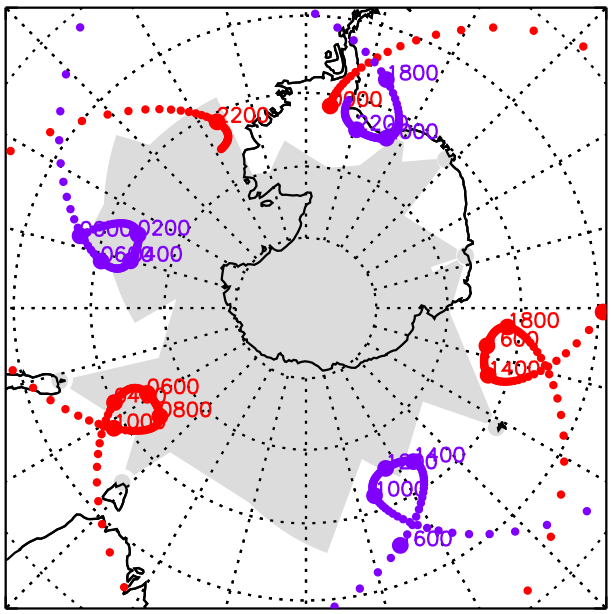


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

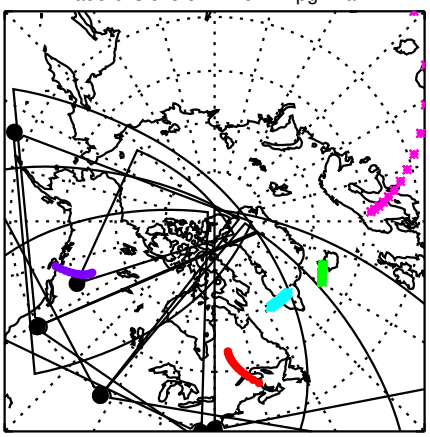
23–Sep–2013

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

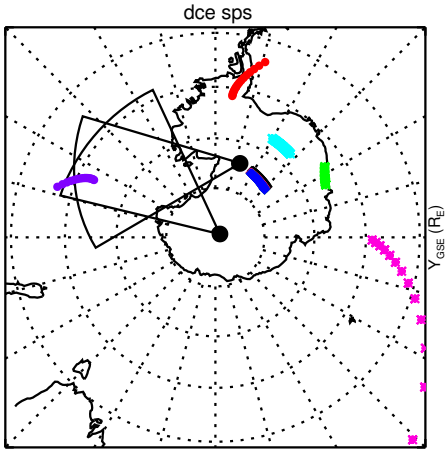


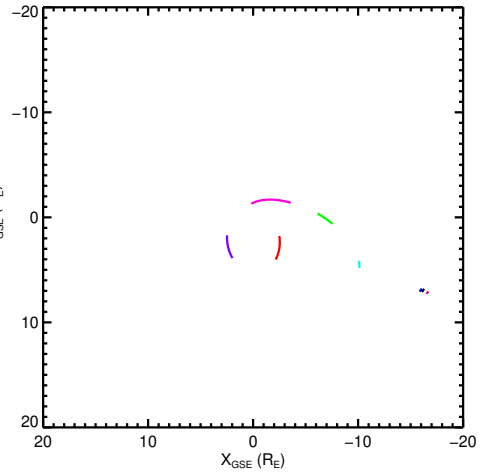


(a) 0000UT to 0115UT
ade bks cve cvw fhe fhw pgr wal

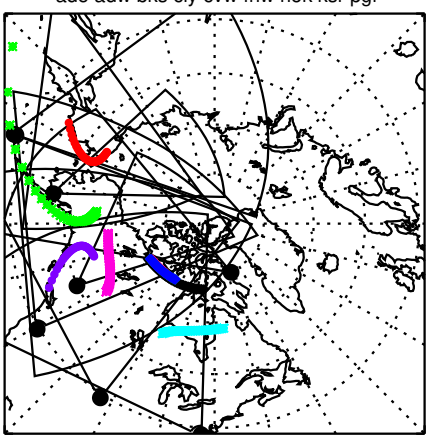


dce sps

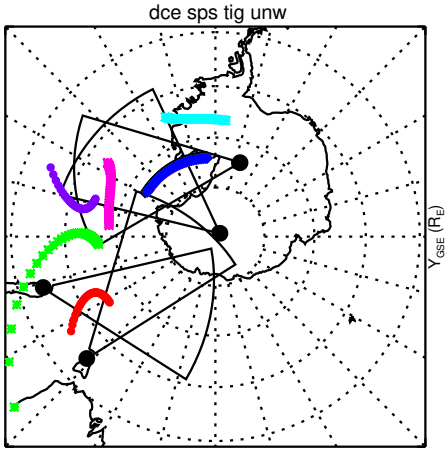


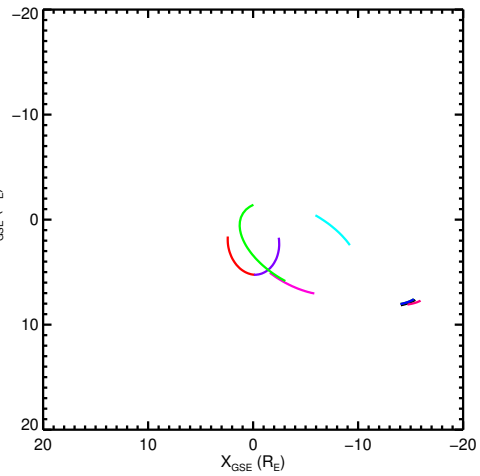


(b) 0325UT to 0650UT
ade adw bks cly cvw fhw hok ksr pgr



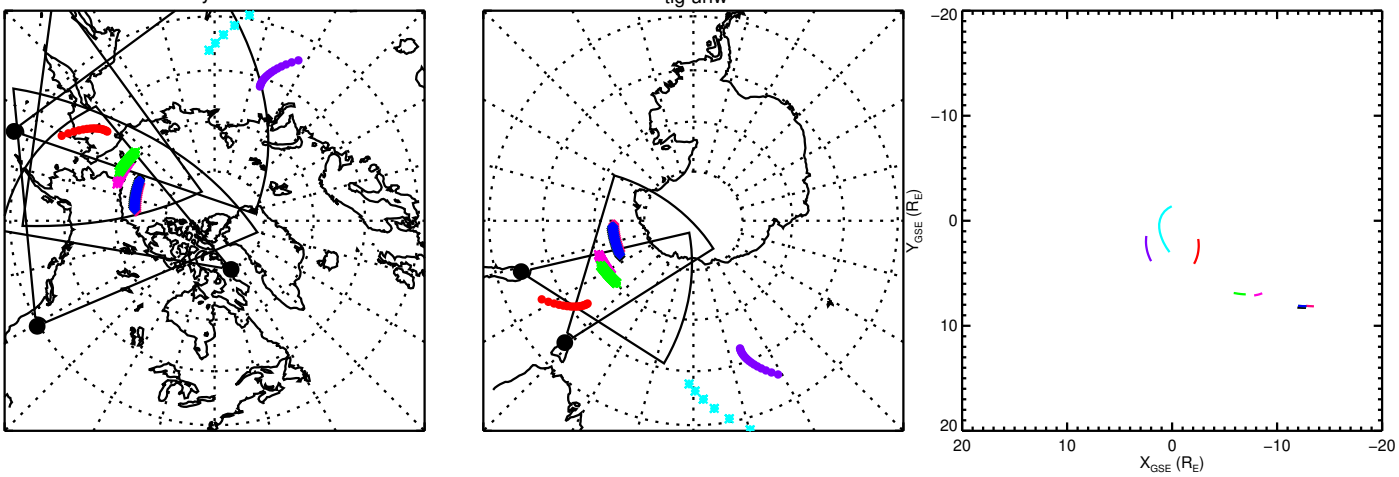
dce sps tig unw





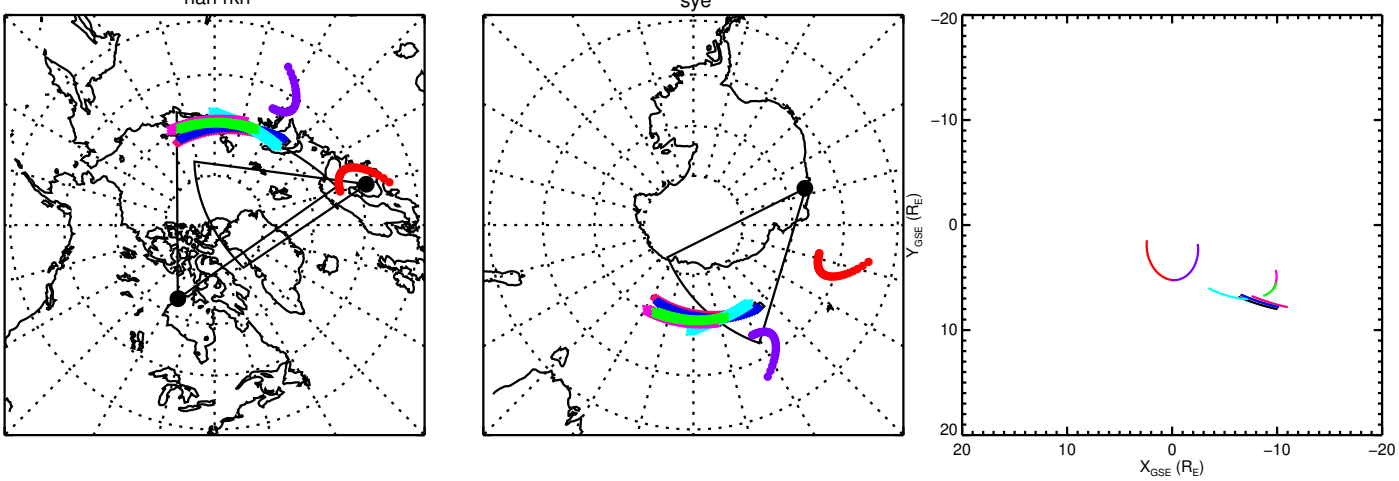
(c) 0855UT to 1015UT
adw cly cvw hok

tig unw

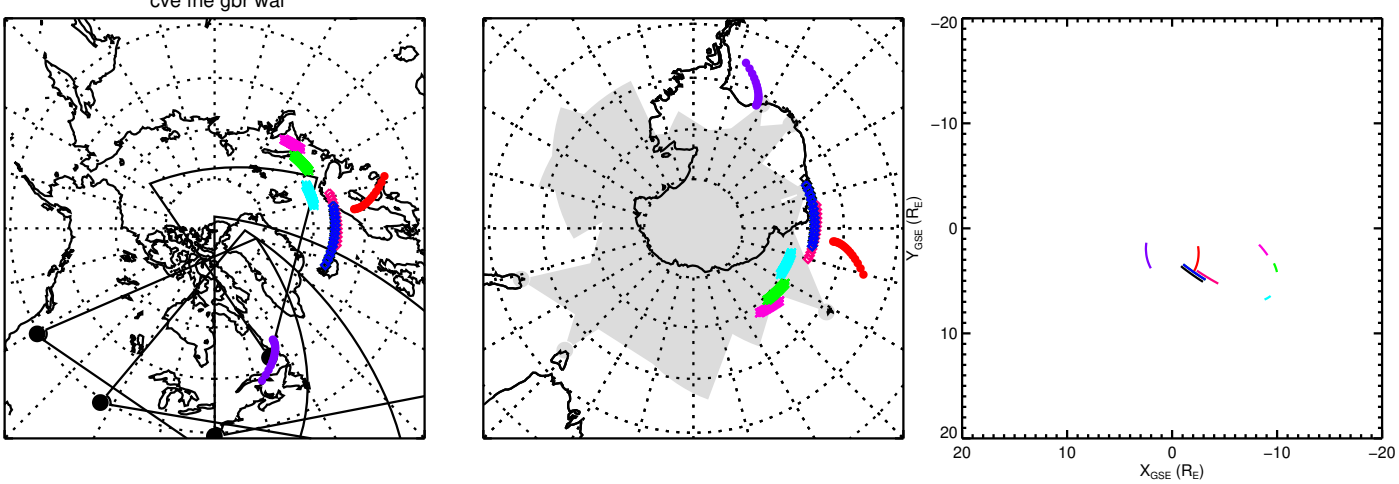


(d) 1220UT to 1550UT
han rkn

sye

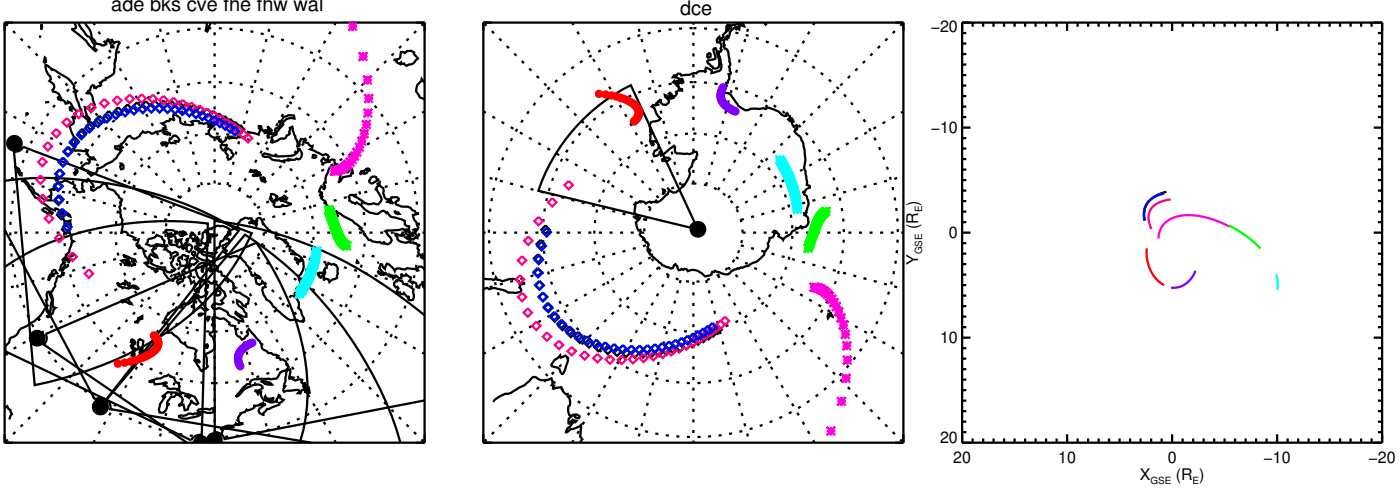


(e) 1755UT to 1915UT
cve fhe gbr wal



(f) 2120UT to 2355UT
ade bks cve fhe fhw wal

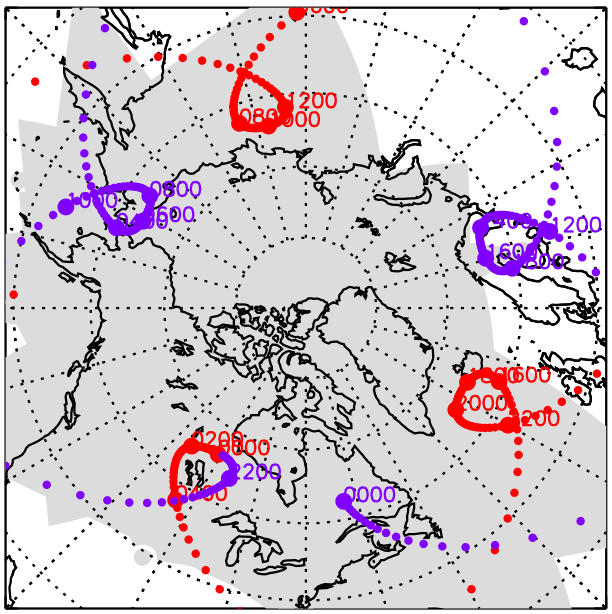
dce

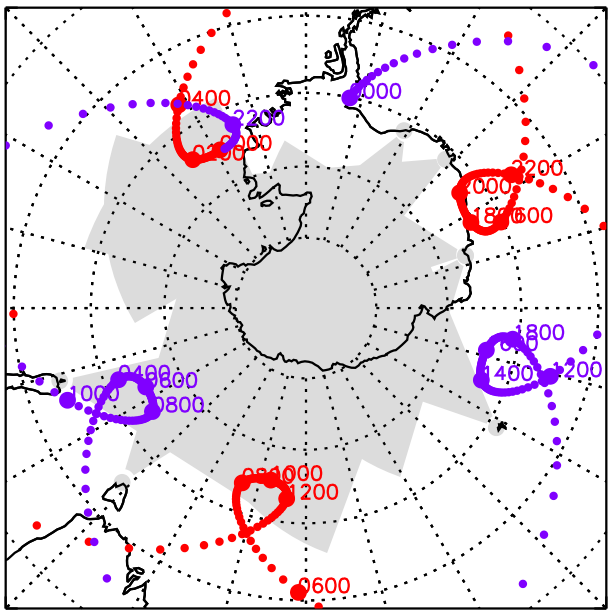


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

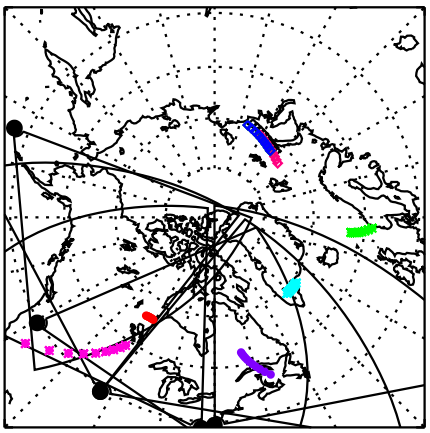
24–Sep–2013

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

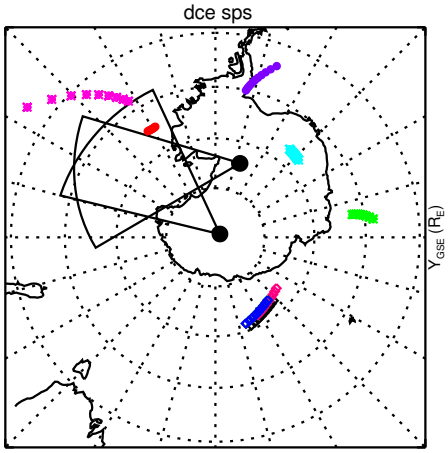


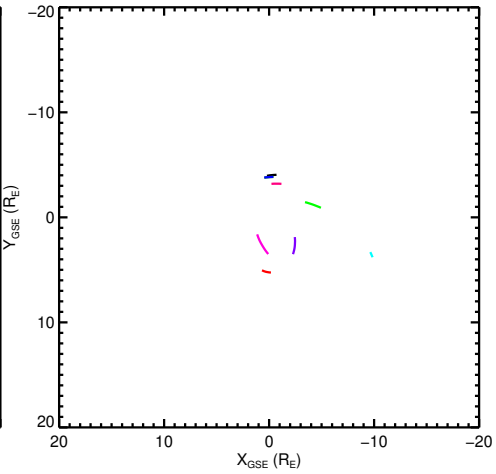


(a) 0000UT to 0050UT
ade bks cve fhe fhw wal

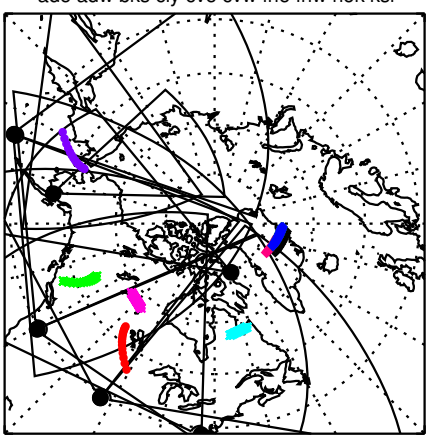


dce sps

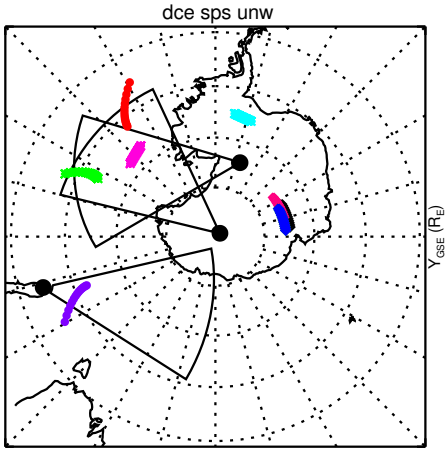


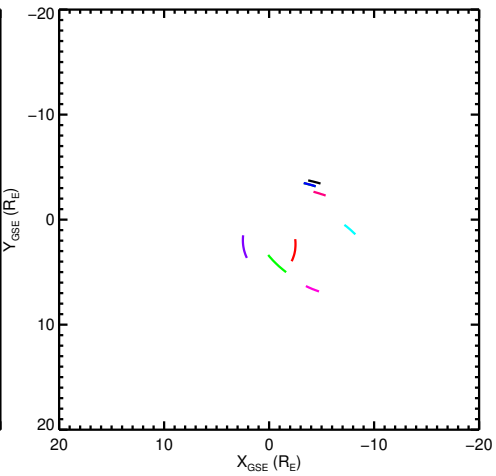


(b) 0300UT to 0410UT
ade adw bks cly cve cvw fhe fhw hok ksr

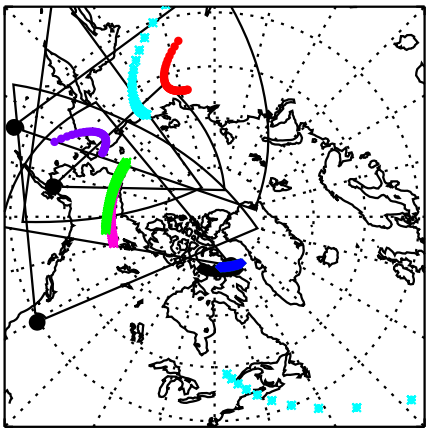


dce sps unw

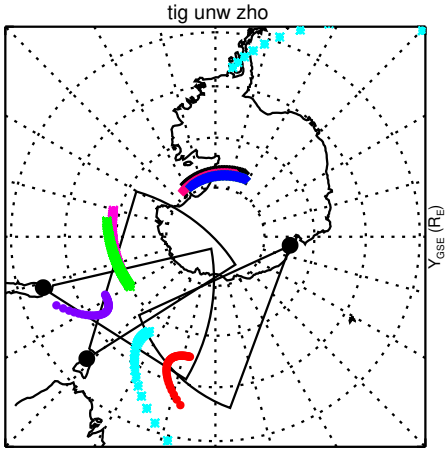


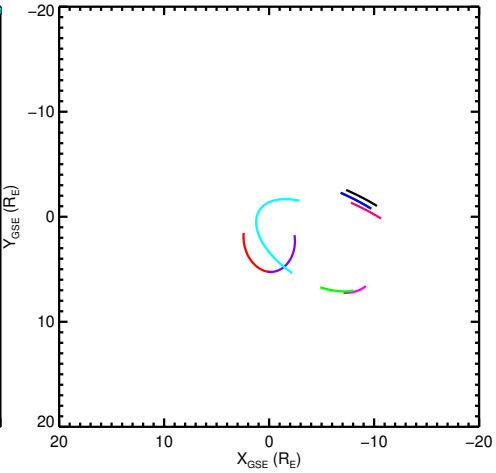


(c) 0620UT to 0955UT
adw cly cvw hok ksr

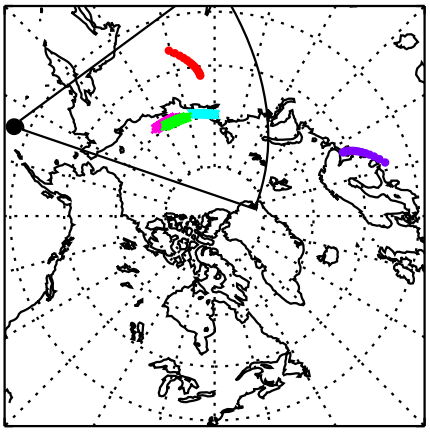


tig unw zho

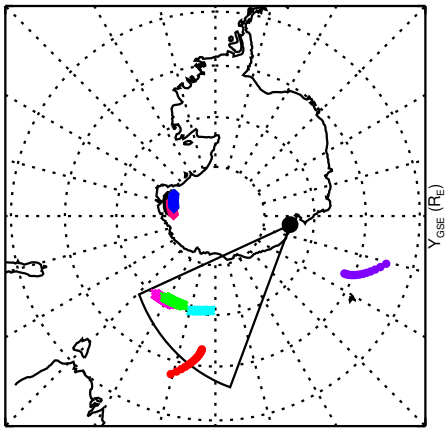


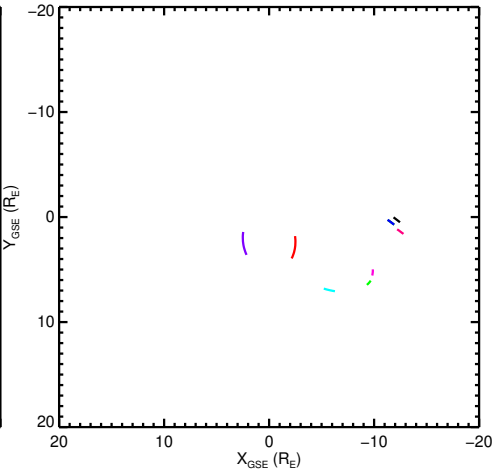


(d) 1200UT to 1310UT
adw

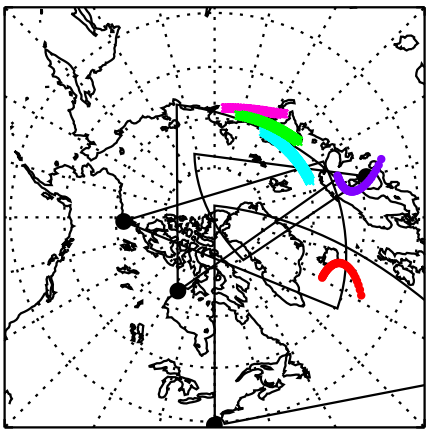


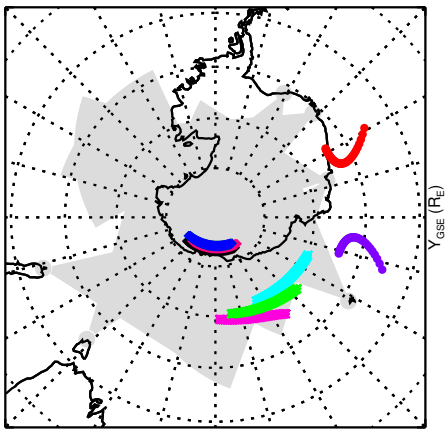
zho

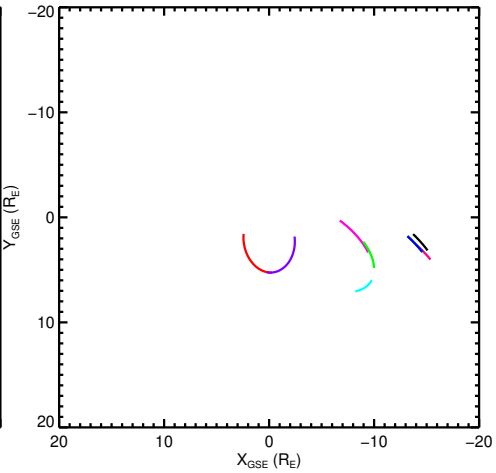




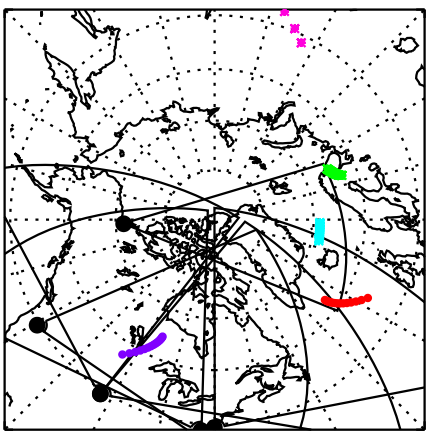
(e) 1520UT to 1855UT
han inv rkn wal



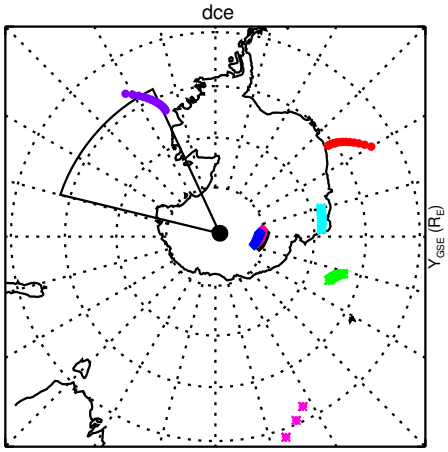


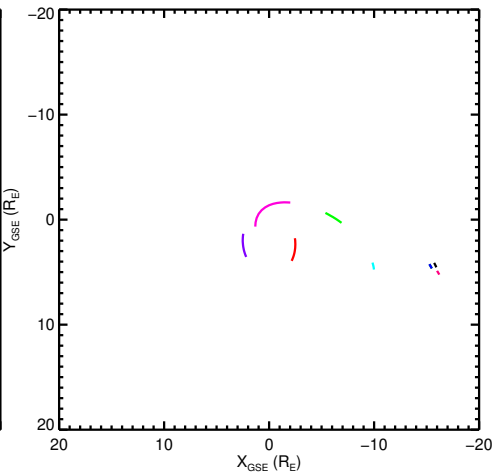


(f) 2100UT to 2210UT
bks cve fhe fhw inv wal



dce

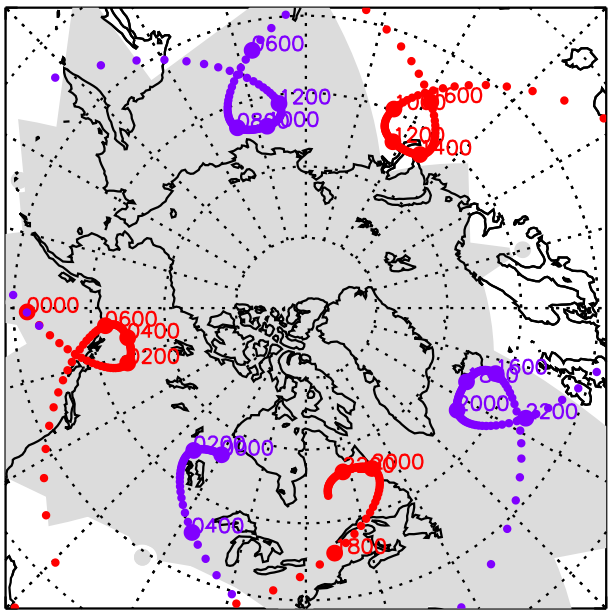


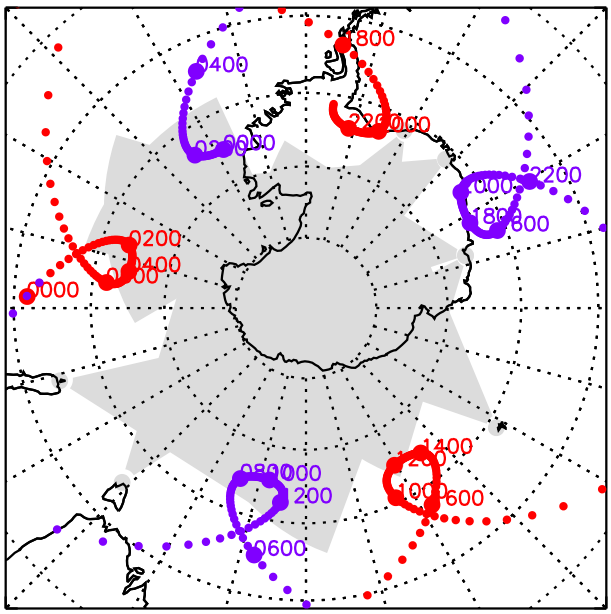


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

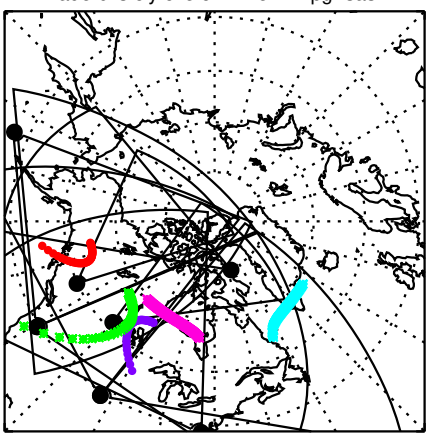
25–Sep–2013

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

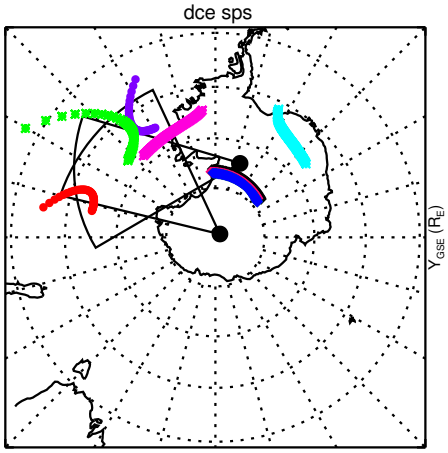


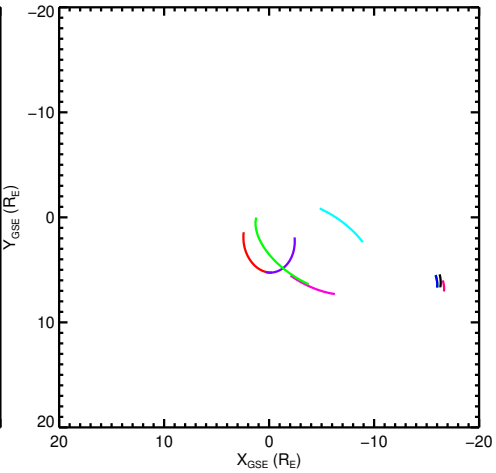


(a) 0015UT to 0355UT
ade bks cly cve cvw fhe fhw pgr sas

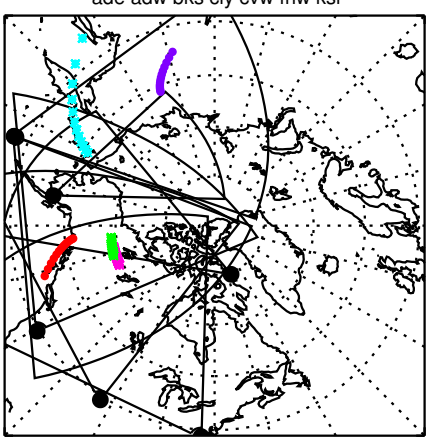


dce sps

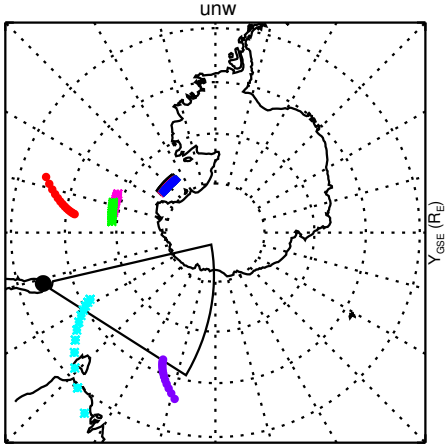


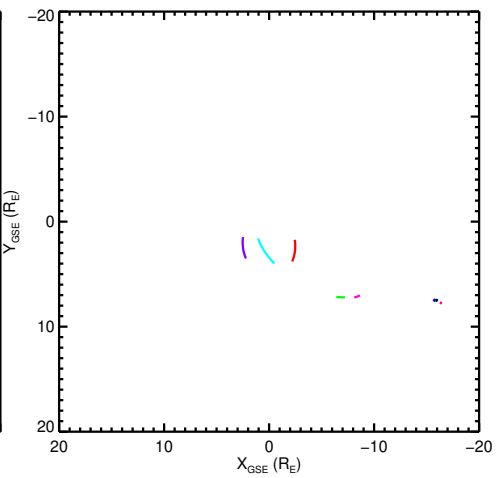


(b) 0605UT to 0710UT
ade adw bks cly cvw fhw ksr



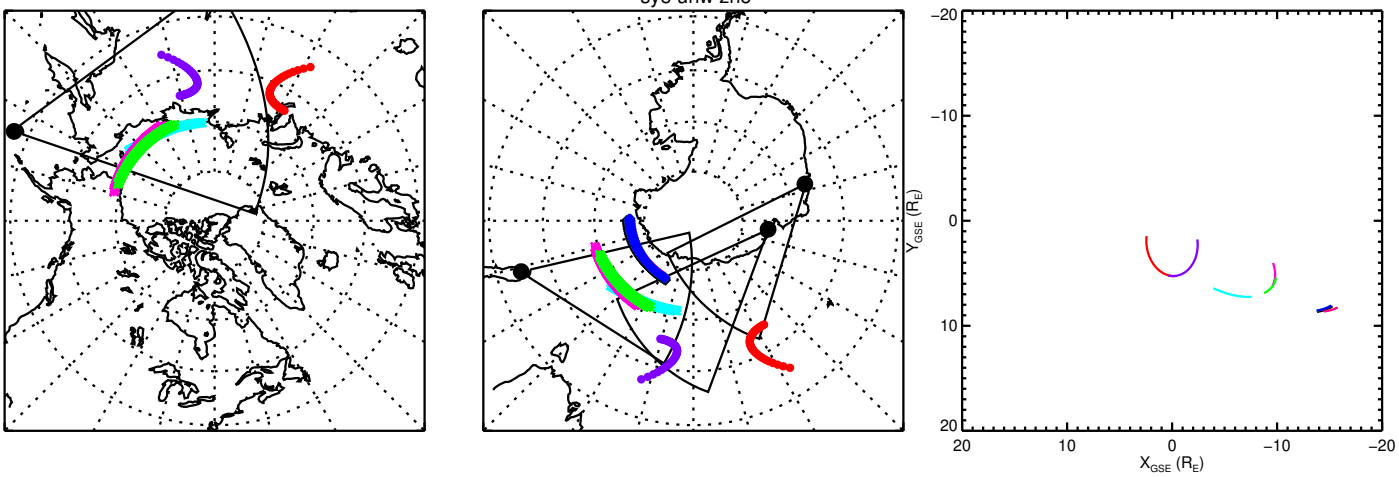
unw



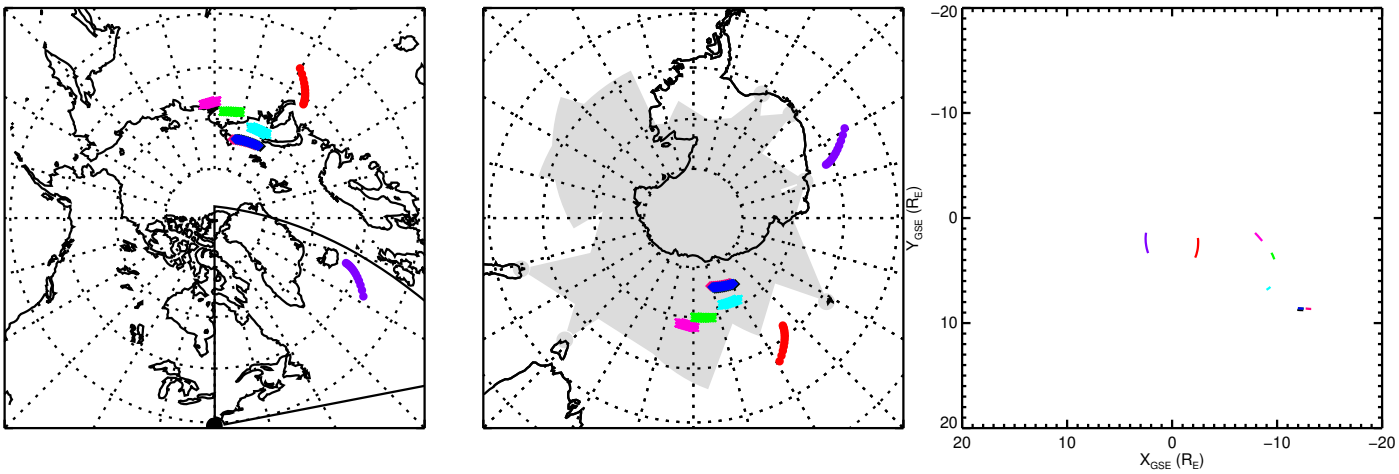


(c) 0915UT to 1300UT
adw

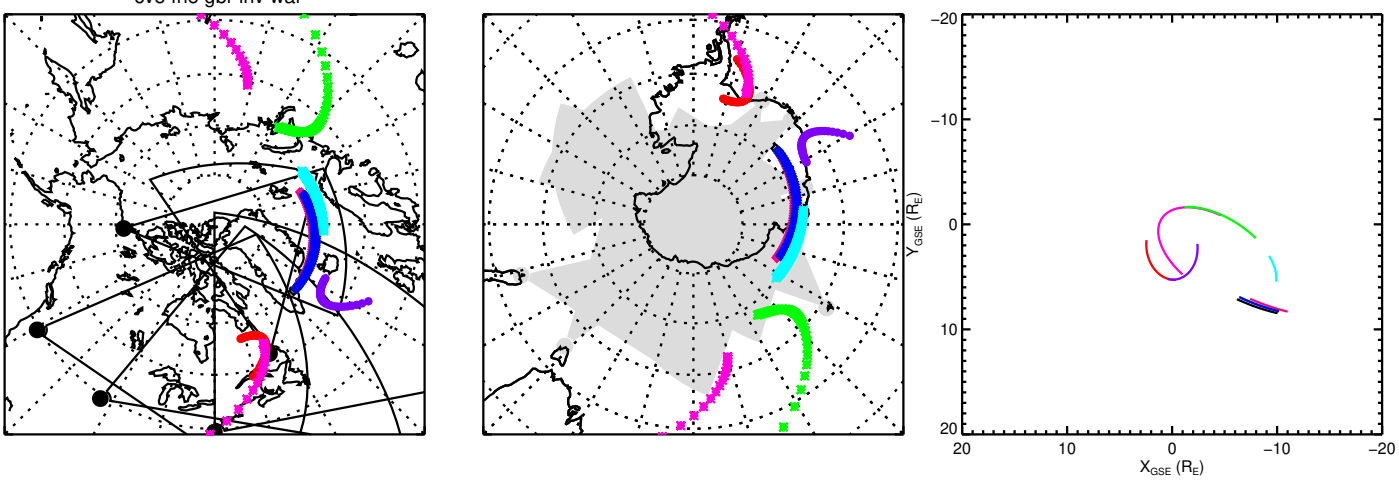
sye unw zho



(d) 1505UT to 1605UT
wal



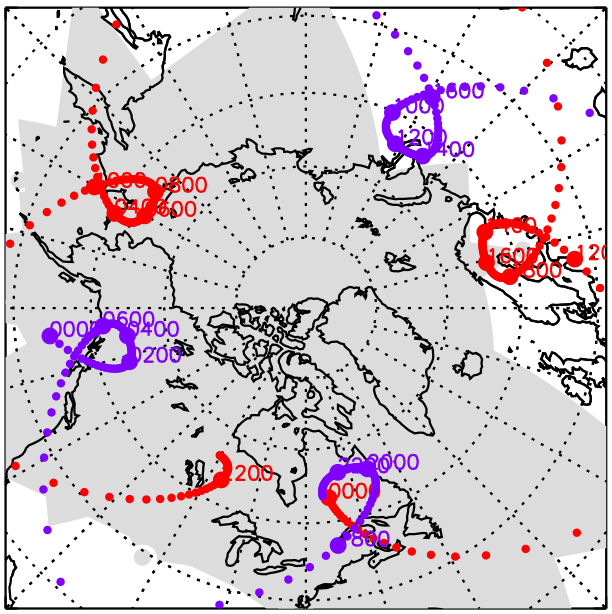
(e) 1815UT to 2200UT
cve fhe gbr inv wal

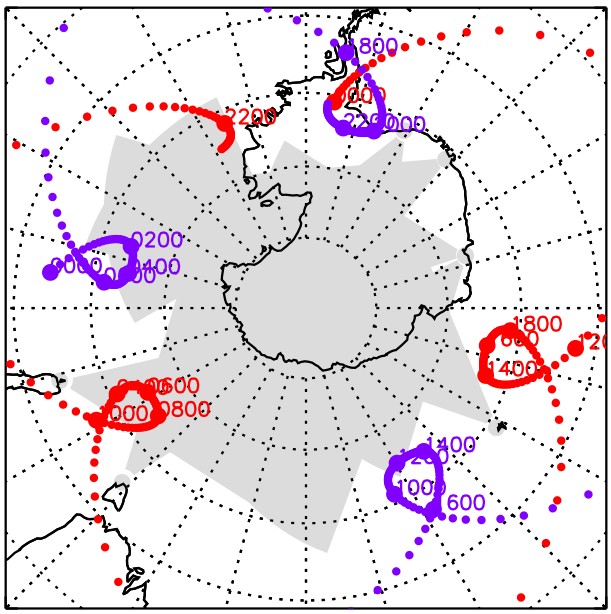


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

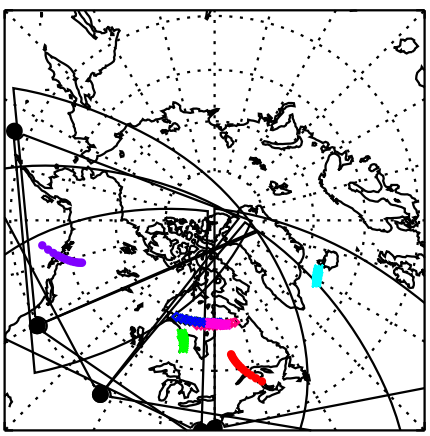
26–Sep–2013

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

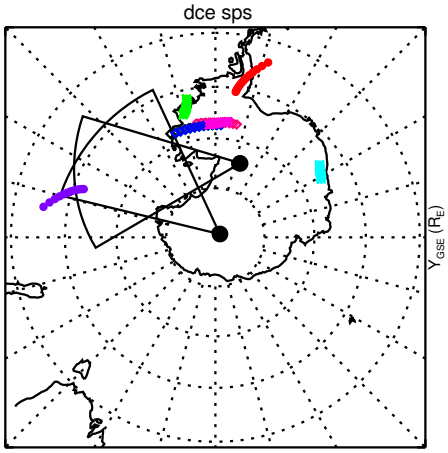


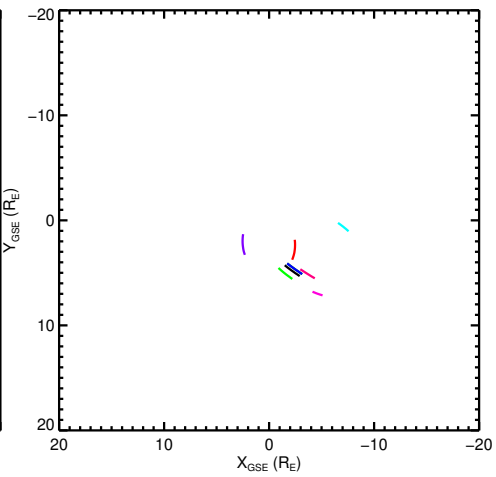


(a) 0005UT to 0105UT
ade bks cve cvw fhe fhw wal

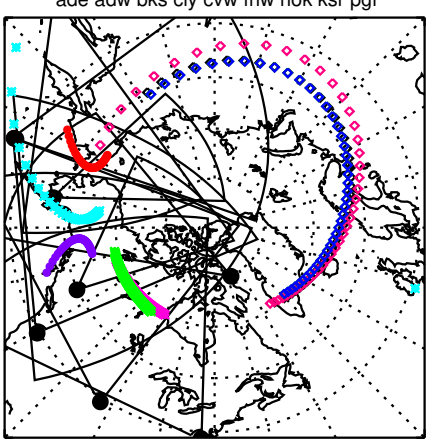


dce sps

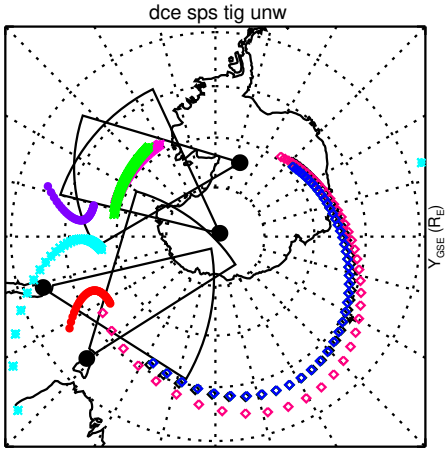


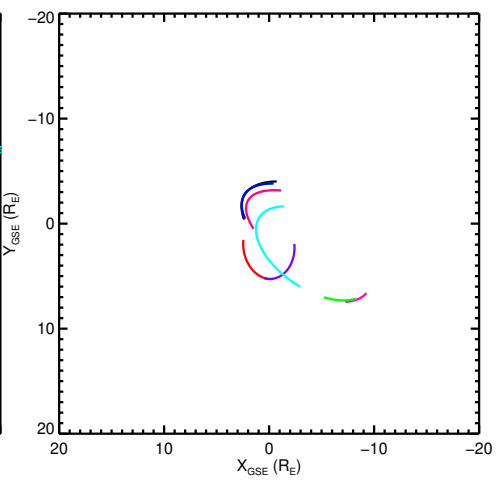


(b) 0315UT to 0700UT
ade adw bks cly cvw fhw hok ksr pgr



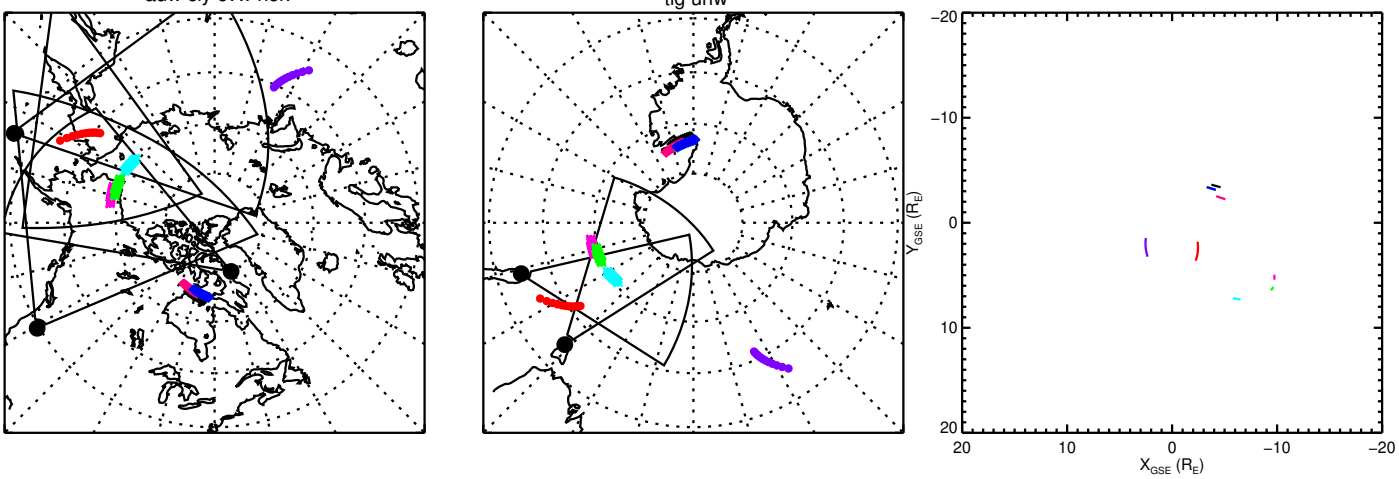
dce sps tig unw





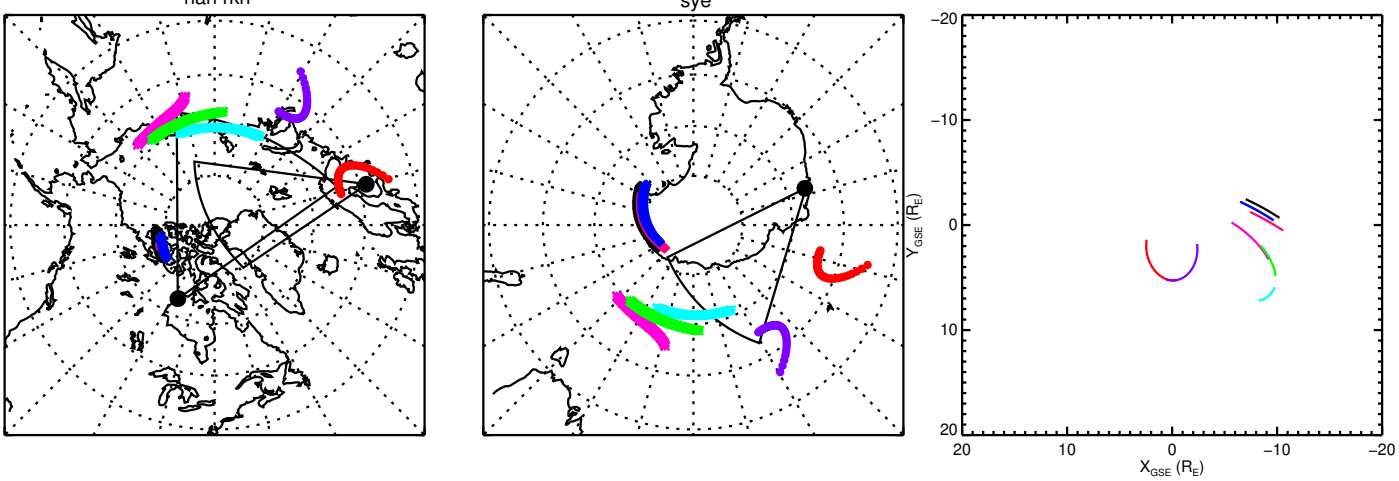
(c) 0910UT to 1005UT
adw cly cvw hok

tig unw

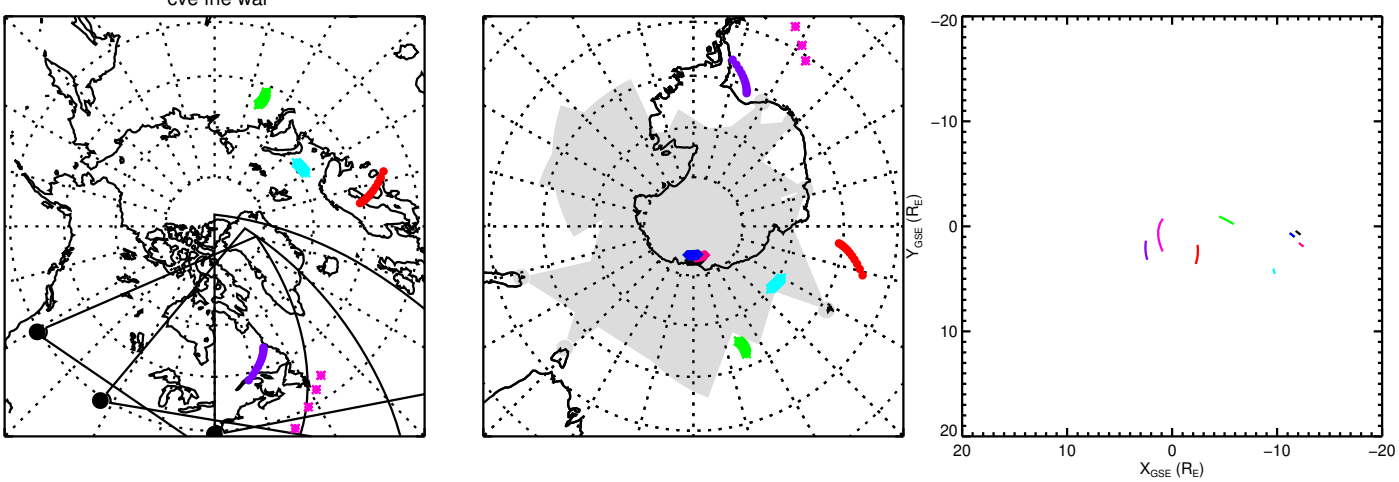


(d) 1210UT to 1605UT
han rkn

sye

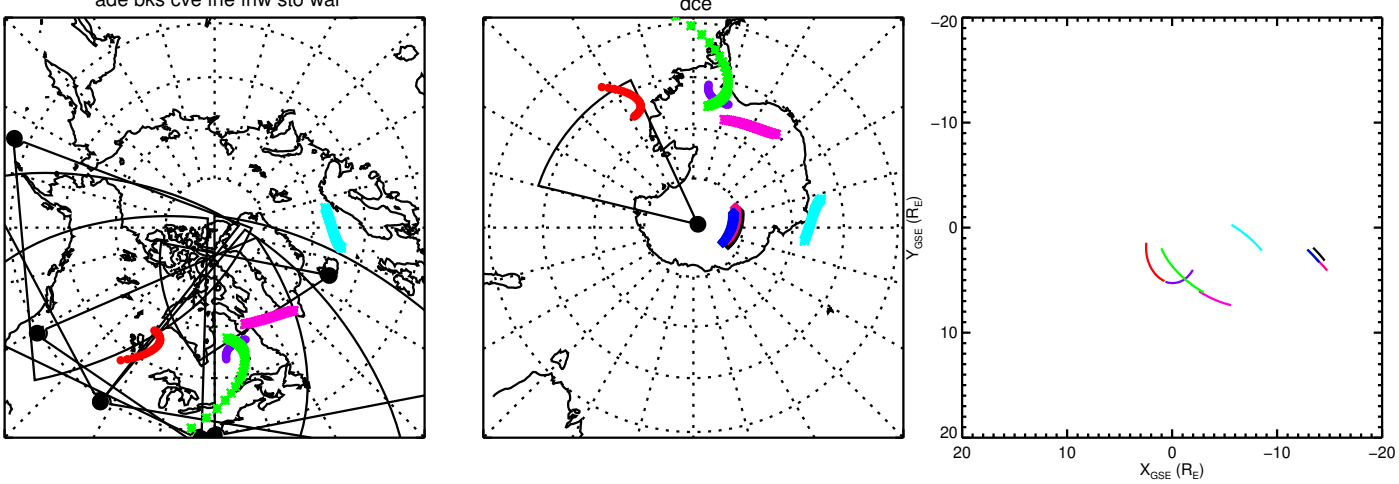


(e) 1810UT to 1905UT
cve fhe wal



(f) 2110UT to 2355UT
ade bks cve fhe fhw sto wal

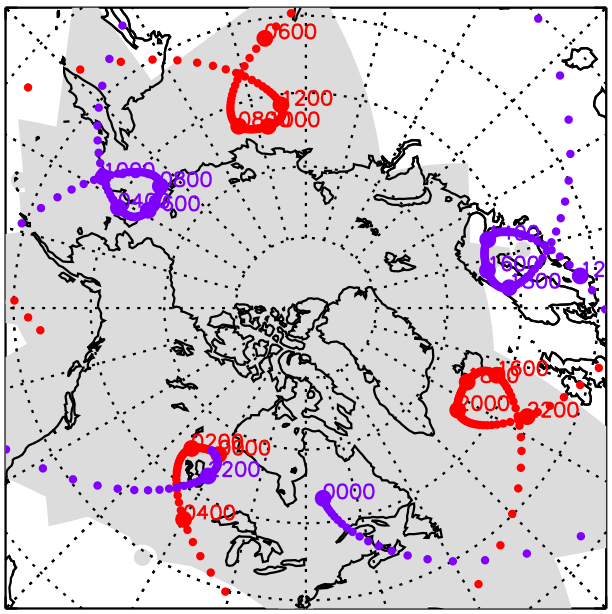
dce

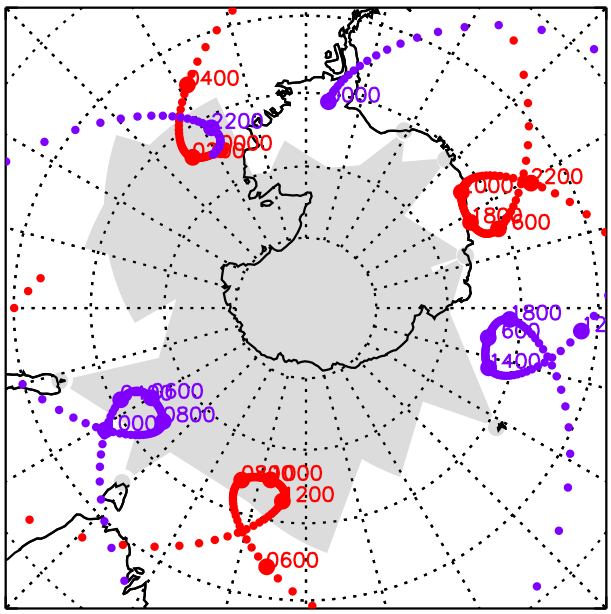


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

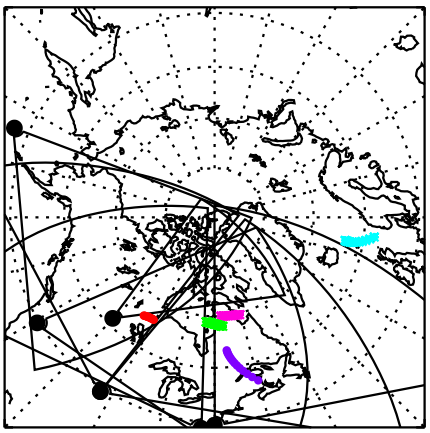
27–Sep–2013

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

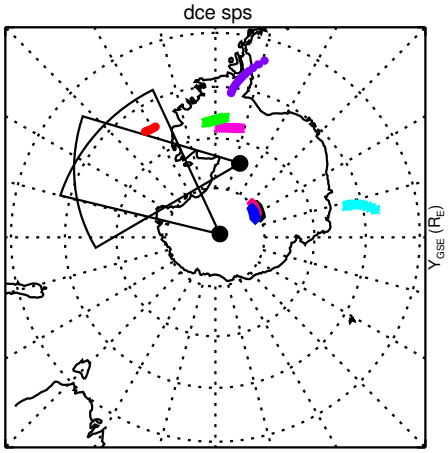


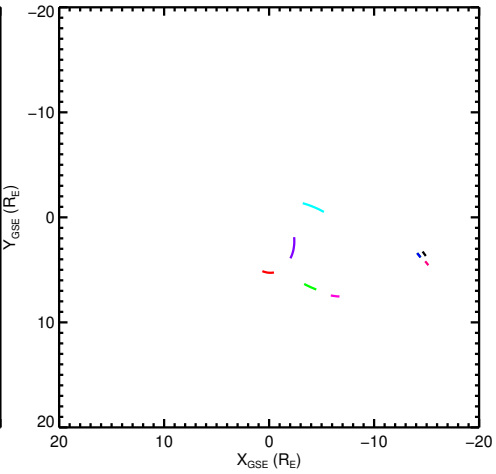


(a) 0000UT to 0105UT
ade bks cve fhe fhw sas wal

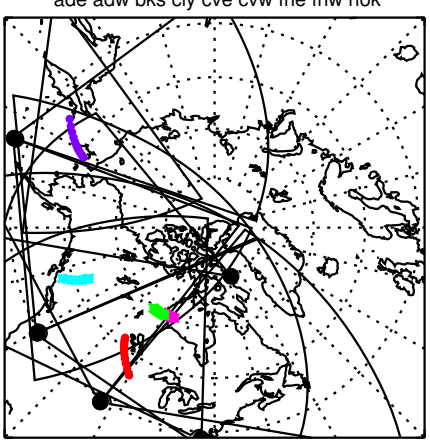


dce sps

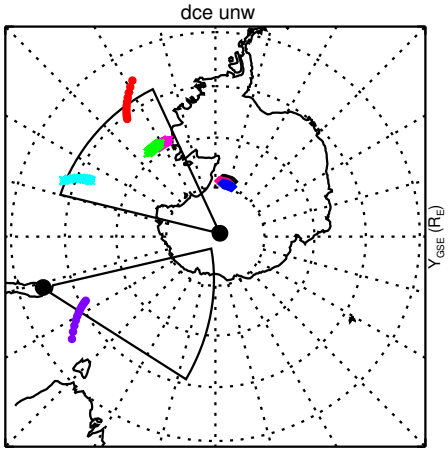


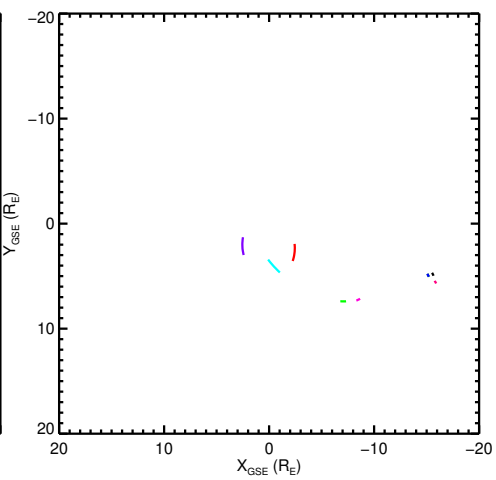


(b) 0310UT to 0400UT
ade adw bks cly cve cvw fhe fhw hok



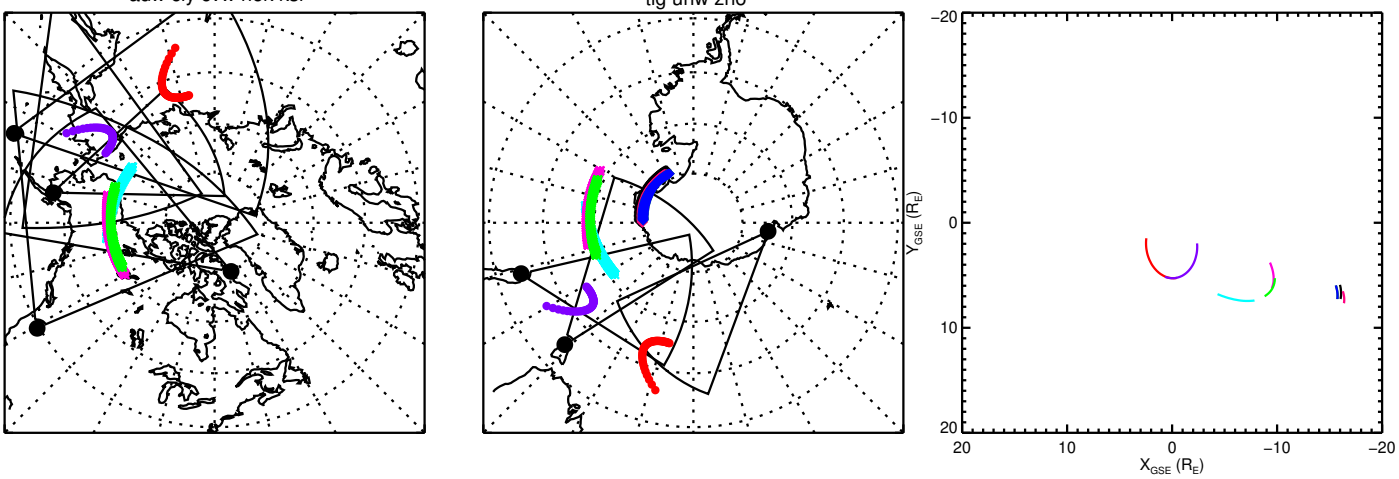
dce unw





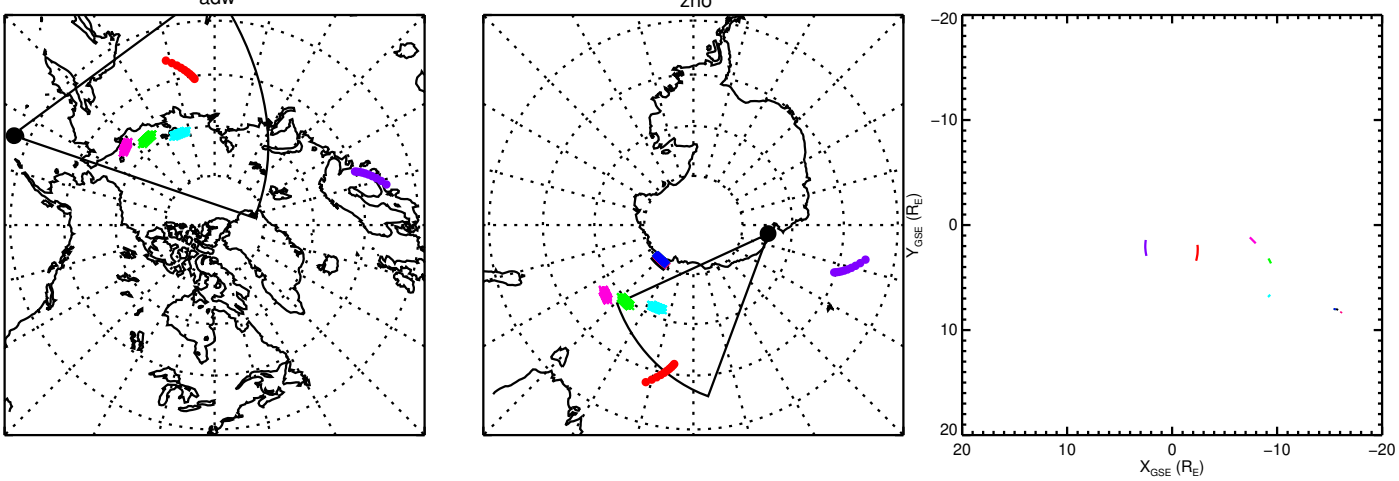
(c) 0610UT to 1005UT
adw cly cvw hok ksr

tig unw zho

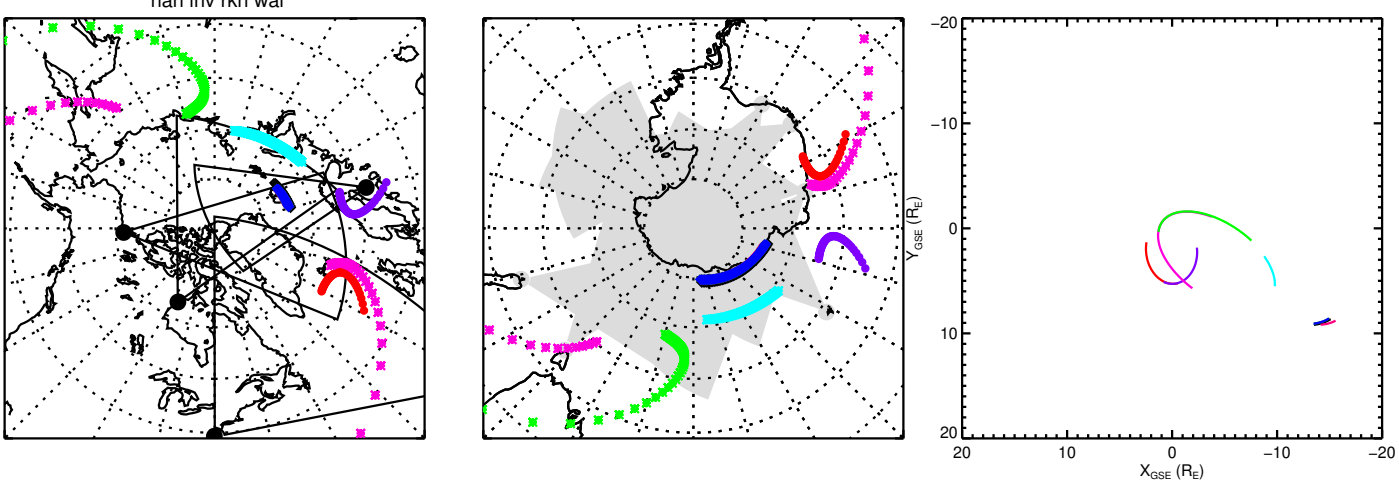


(d) 1215UT to 1300UT
adw

zho

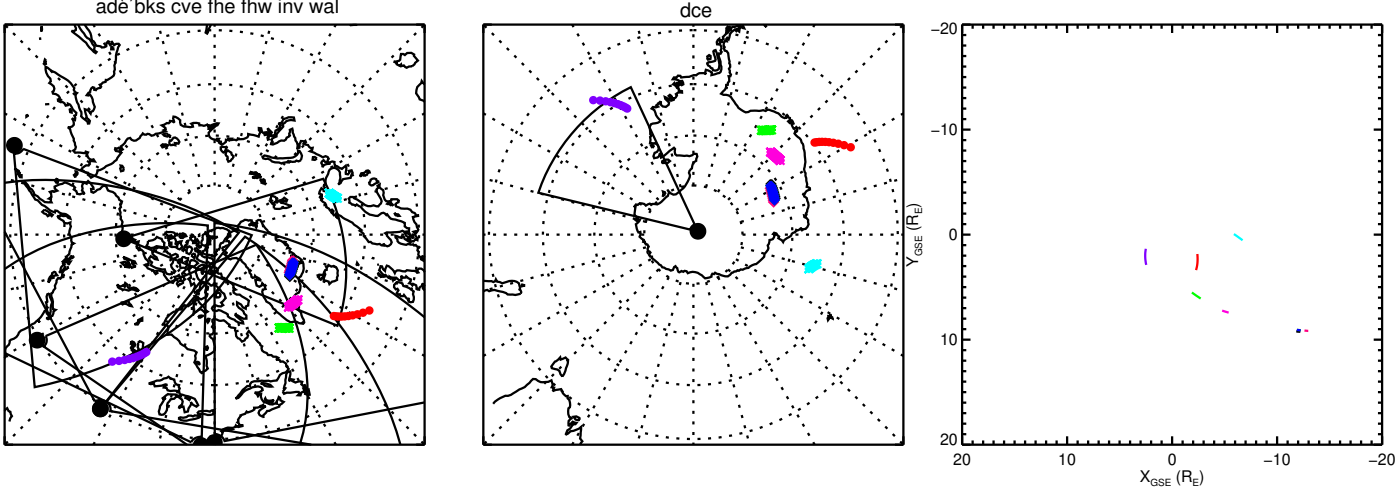


(e) 1505UT to 1910UT
han inv rkn wal



(f) 2115UT to 2200UT
ade bks cve fhe fhw inv wal

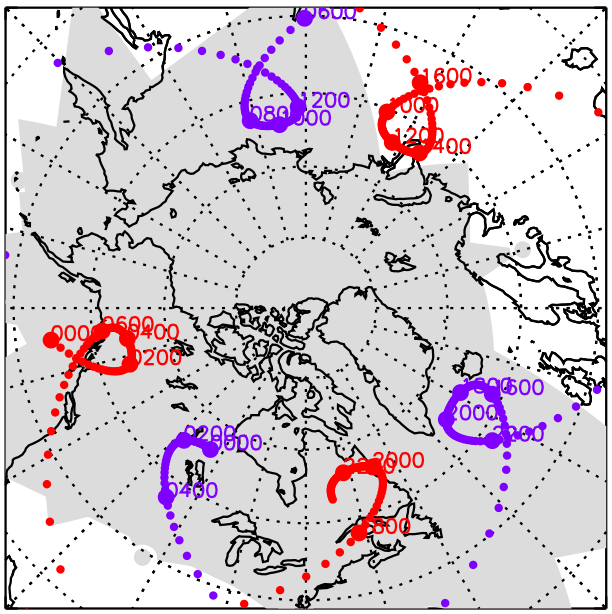
dce

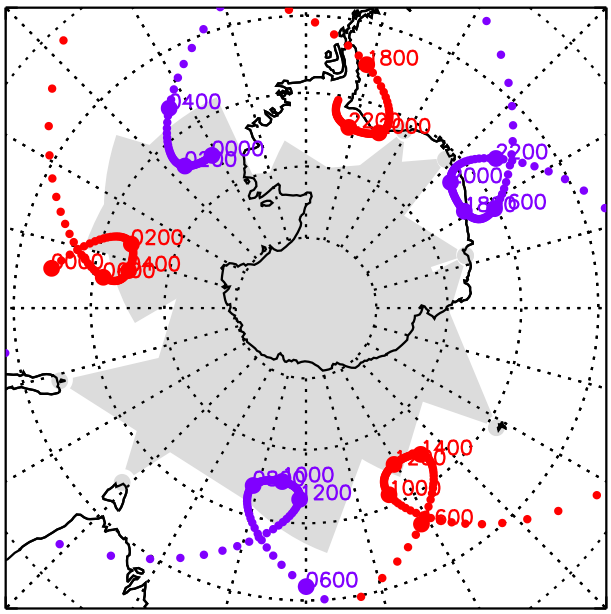


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

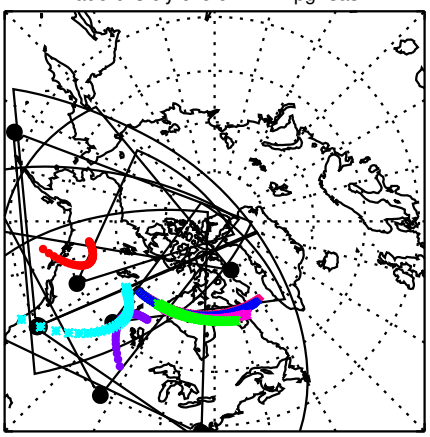
28–Sep–2013

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

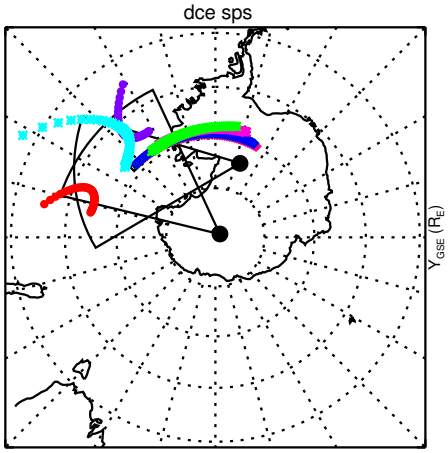


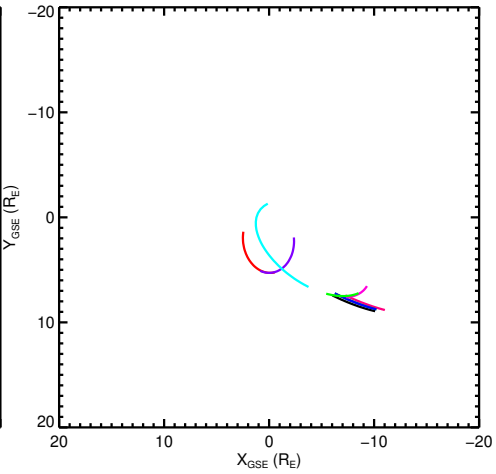


(a) 0005UT to 0410UT
ade bks cly cve cvw fhw pgr sas

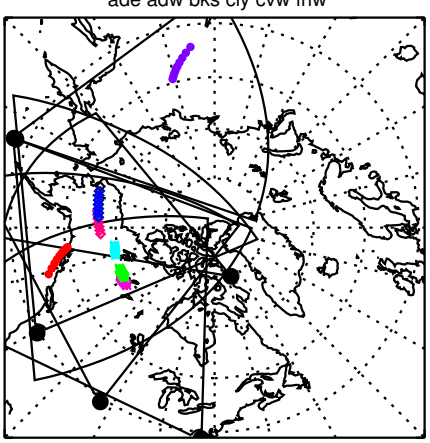


dce sps

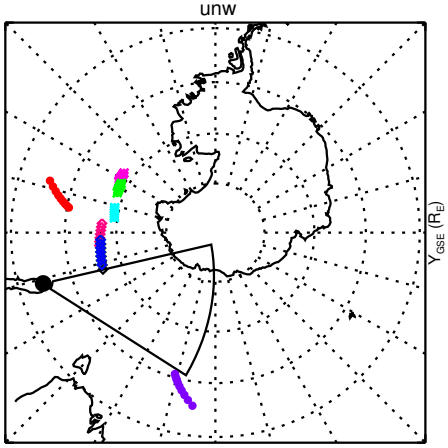


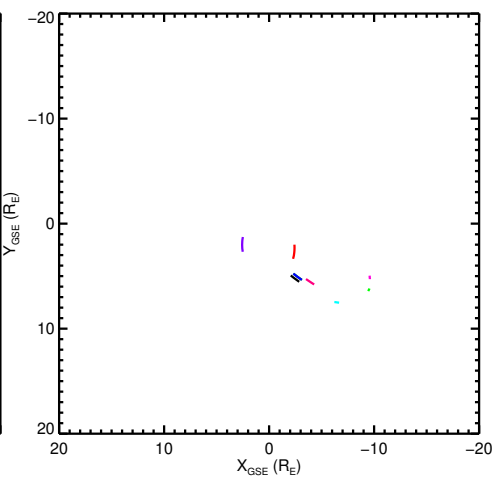


(b) 0615UT to 0655UT
ade adw bks cly cvw fhw



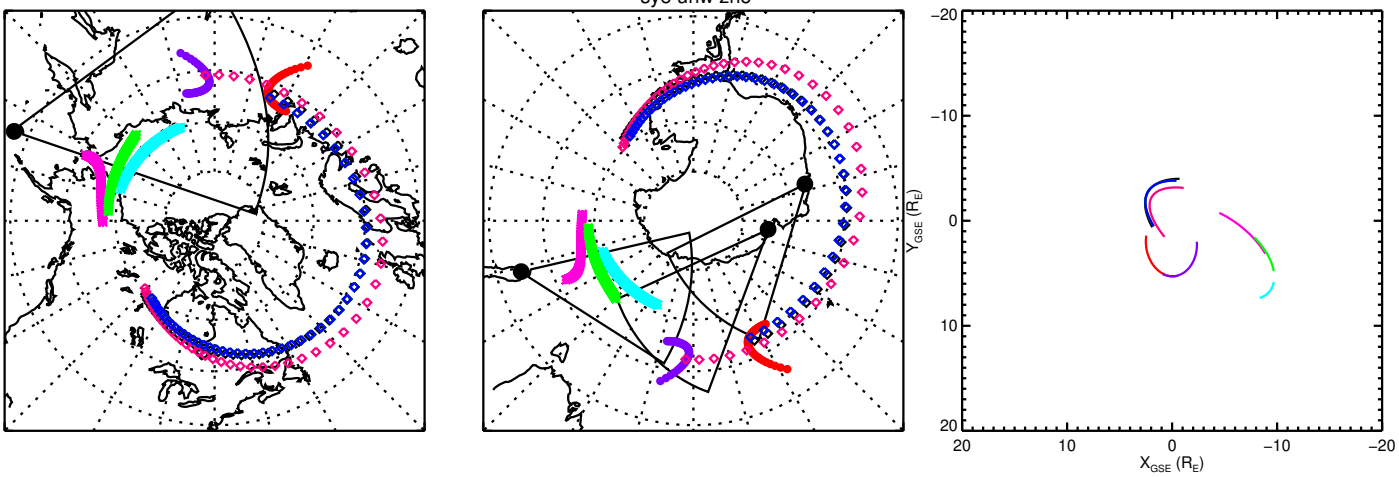
unw



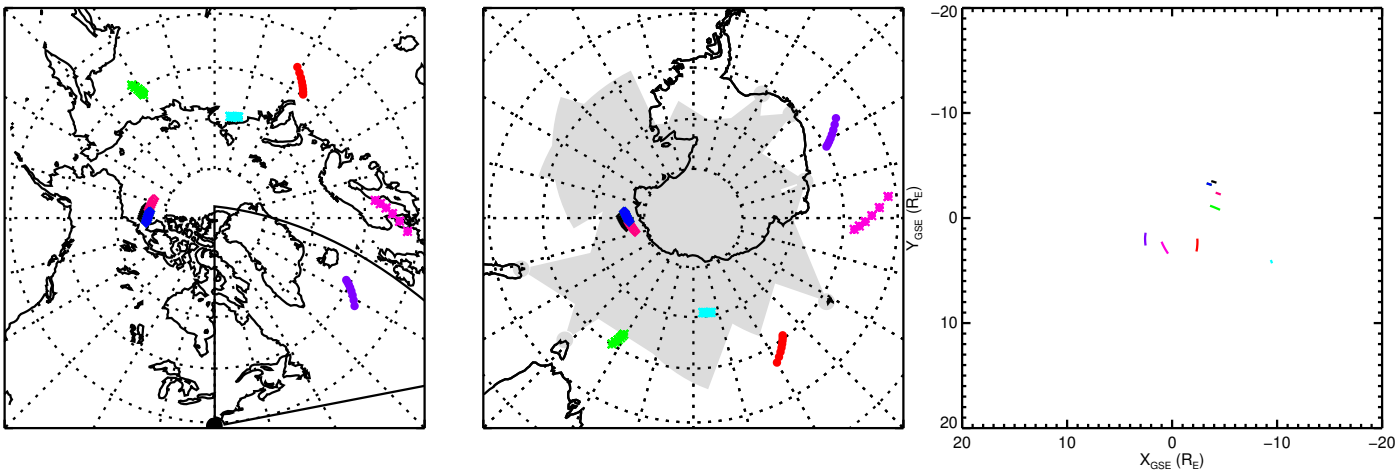


(c) 0905UT to 1310UT
adw

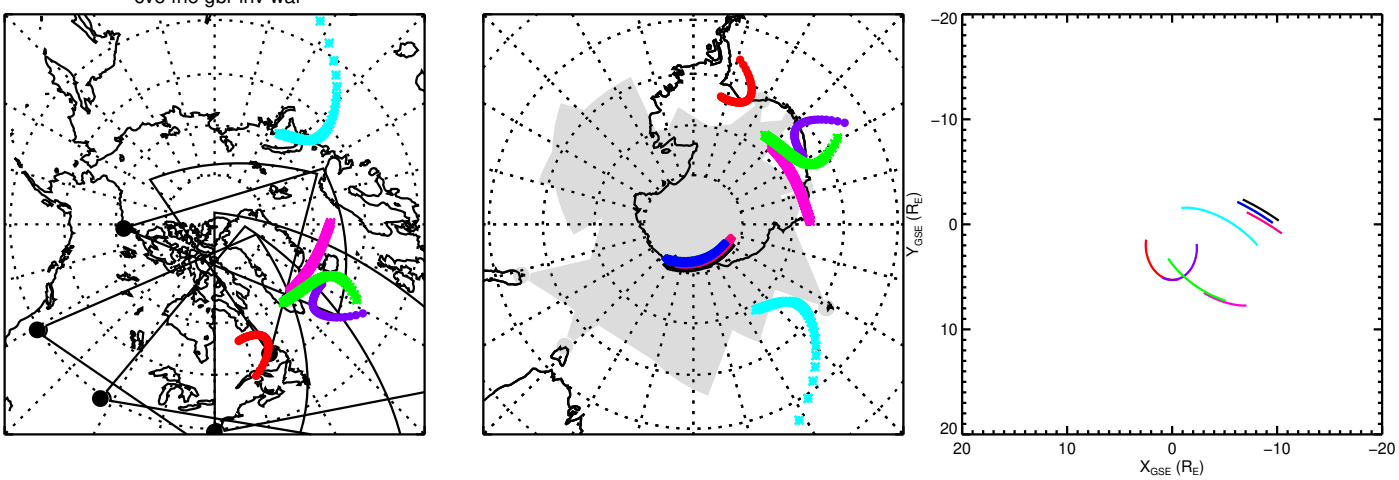
sye unw zho



(d) 1520UT to 1555UT
wal



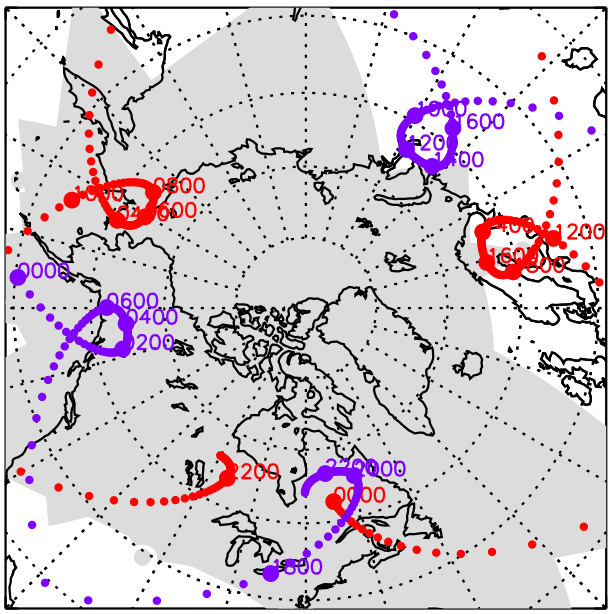
(e) 1805UT to 2215UT
cve fhe gbr inv wal

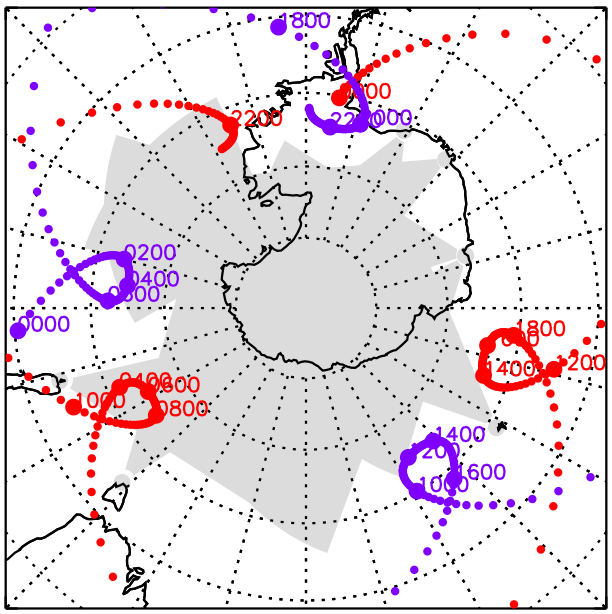


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

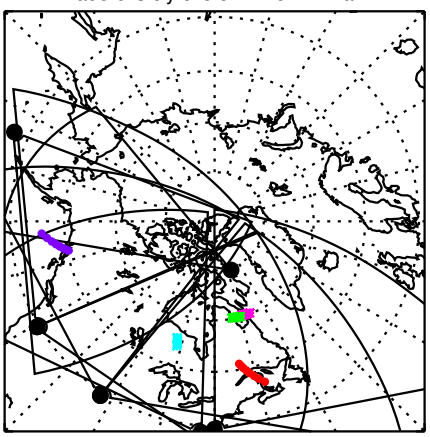
29–Sep–2013

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

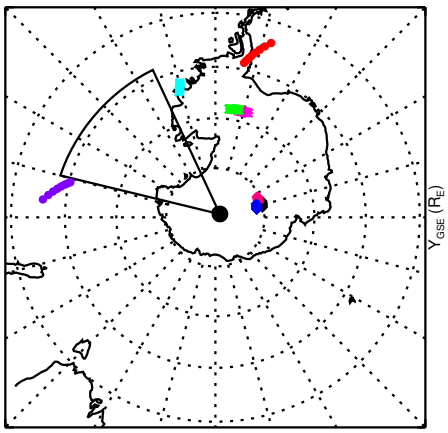


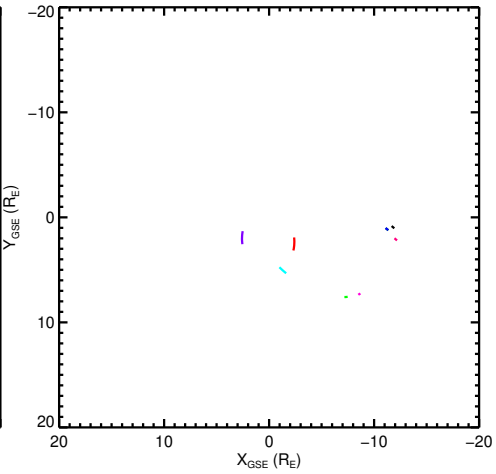


(a) 0020UT to 0055UT
ade bks cly cve cvw fhe fhw wal

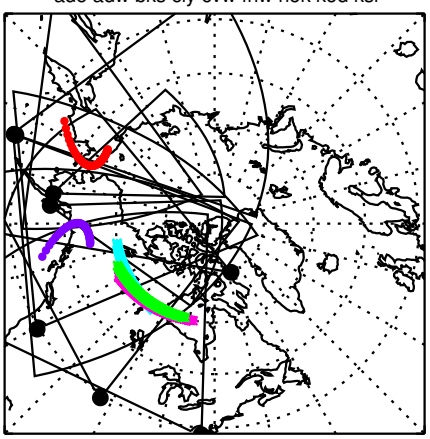


dce

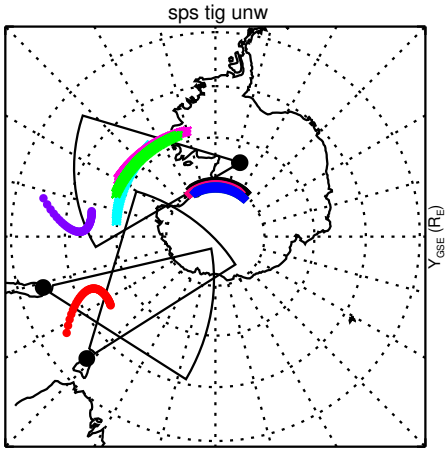


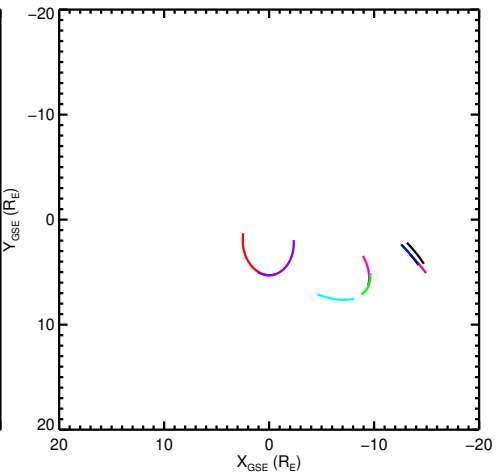


(b) 0300UT to 0715UT
ade adw bks cly cvw fhw hok kod ksr

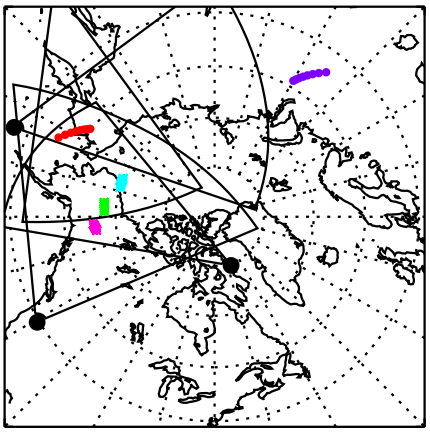


sps tig unw

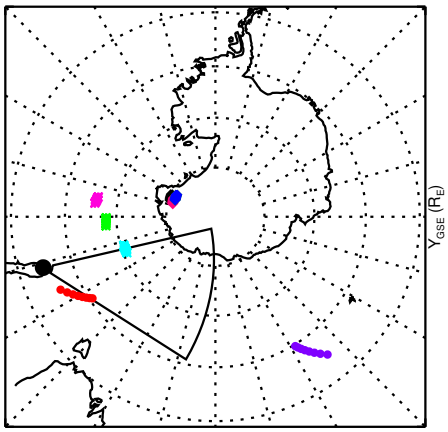


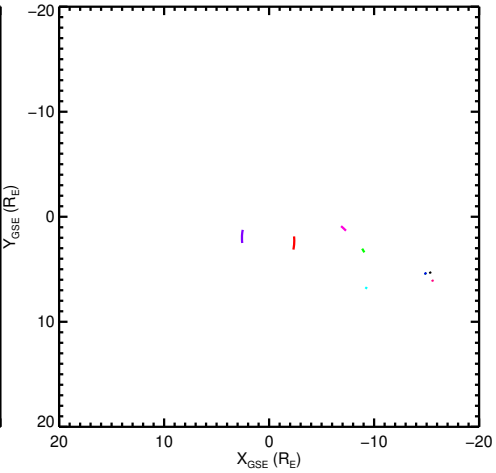


(c) 0920UT to 0955UT
adw cly cvw hok

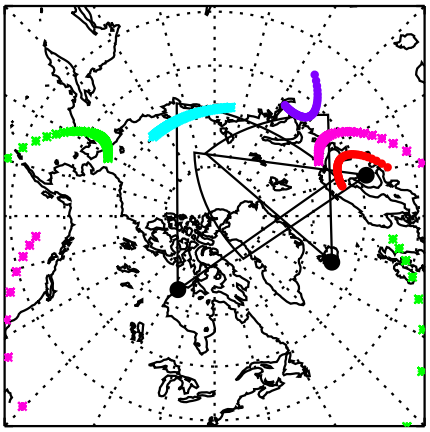


unw

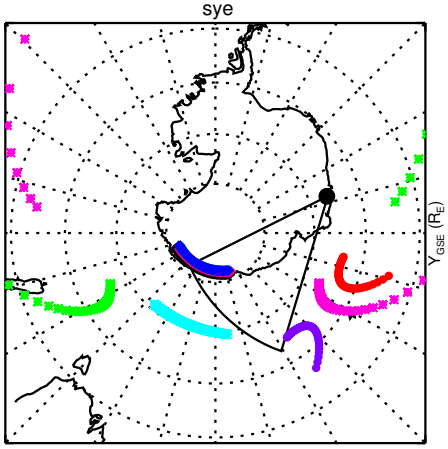


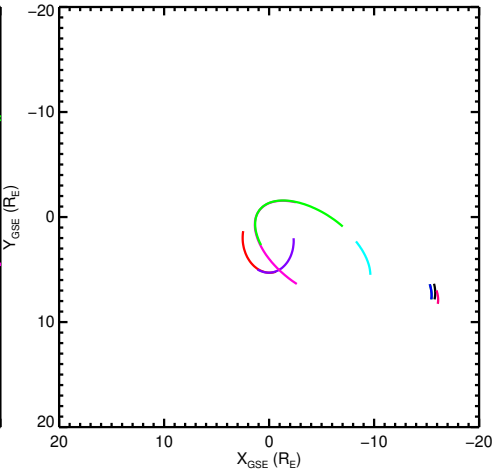


(d) 1200UT to 1615UT
han pyk rkn

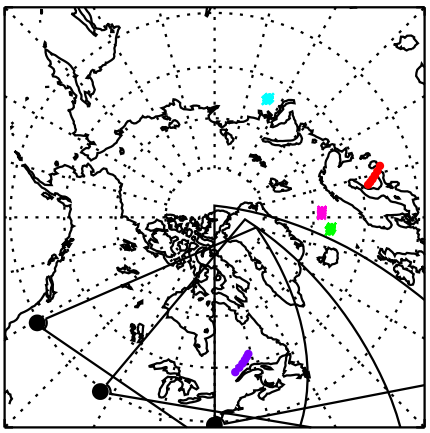


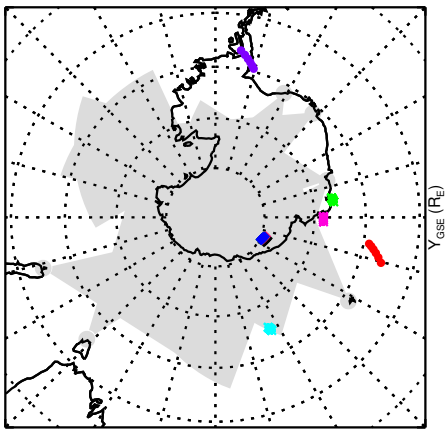
sye

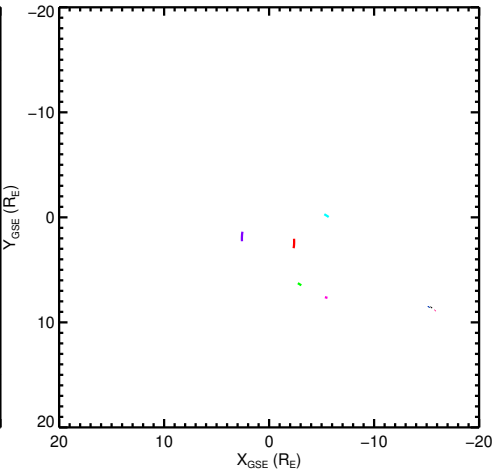




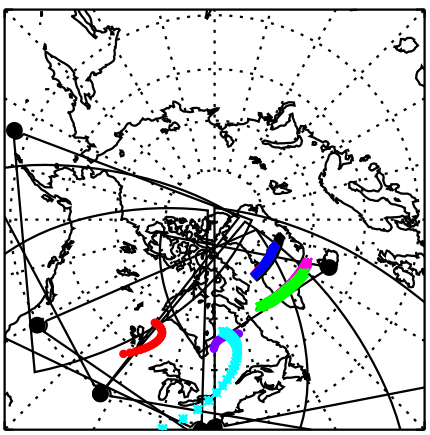
(e) 1825UT to 1850UT
cve fhe wal



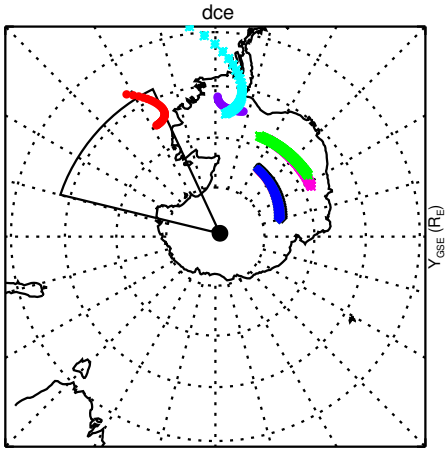


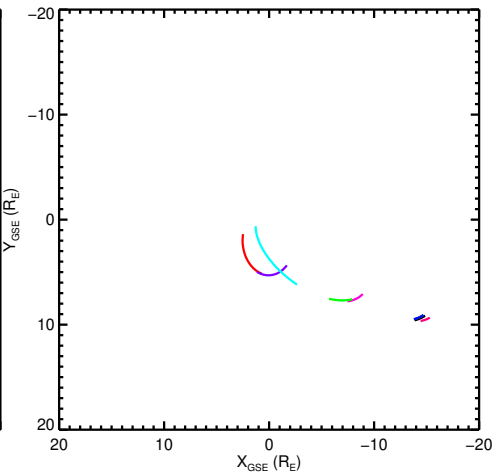


(f) 2100UT to 2355UT
ade bks cve fhe fhw sto wal



dce

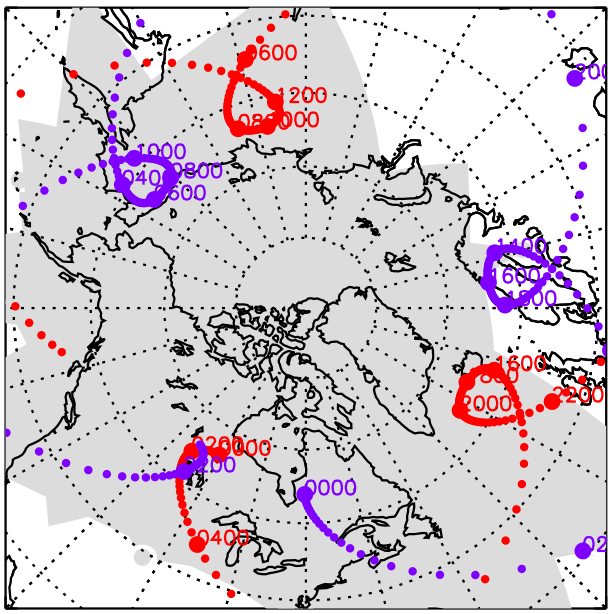


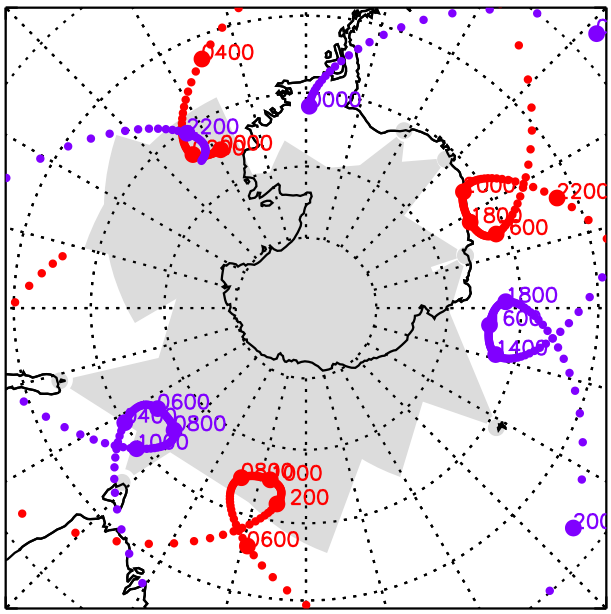


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

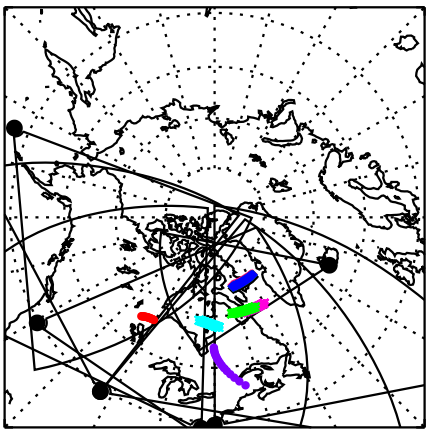
30–Sep–2013

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

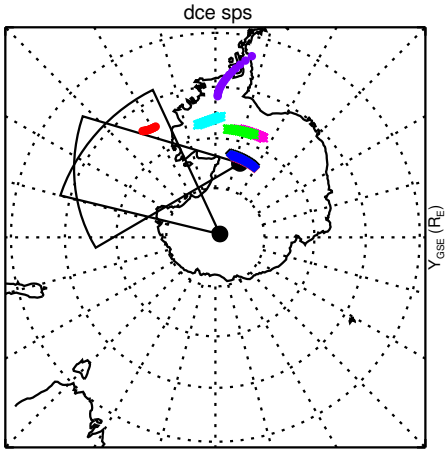


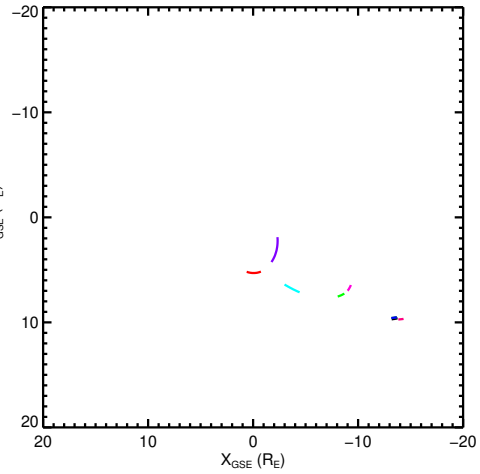


(a) 0000UT to 0120UT
ade bks cve fhe fhw sto wal

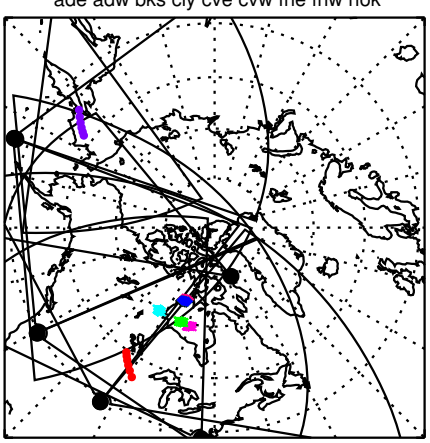


dce sps

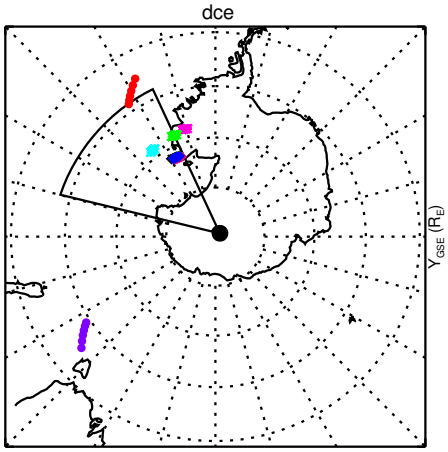


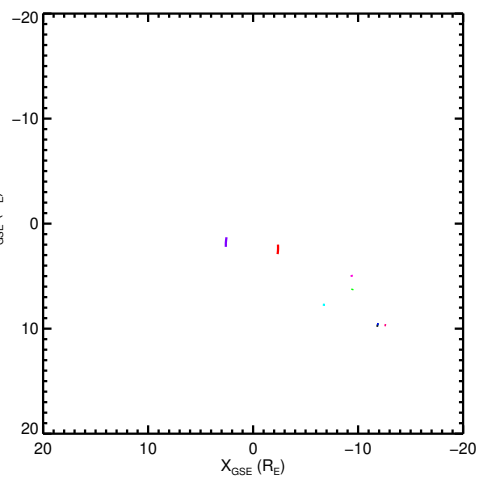


(b) 0325UT to 0350UT
ade adw bks cly cve cvw fhe fhw hok



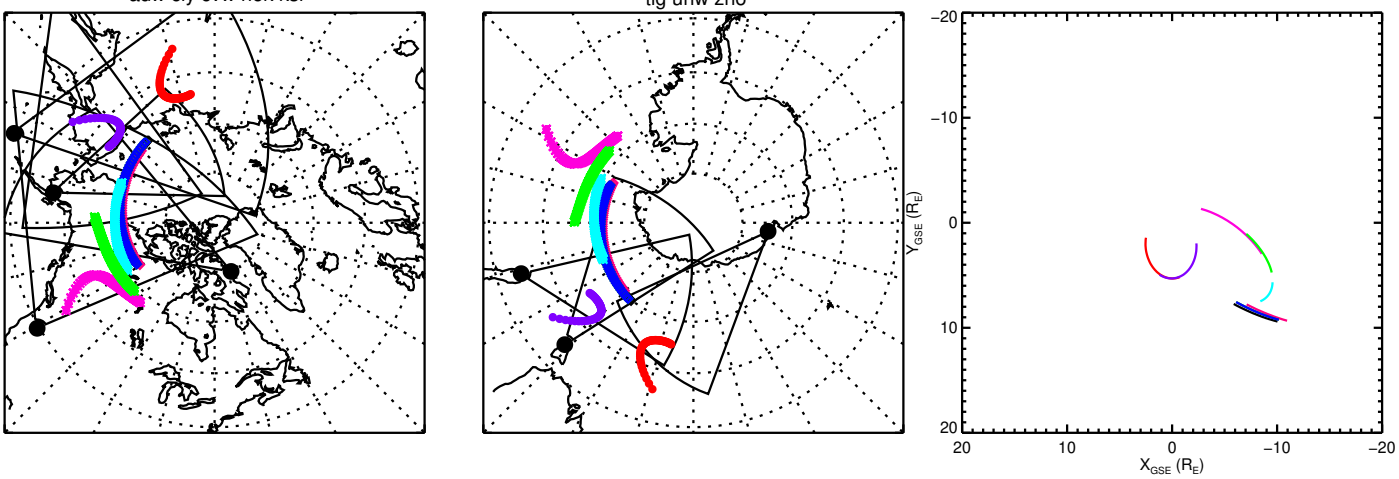
dce





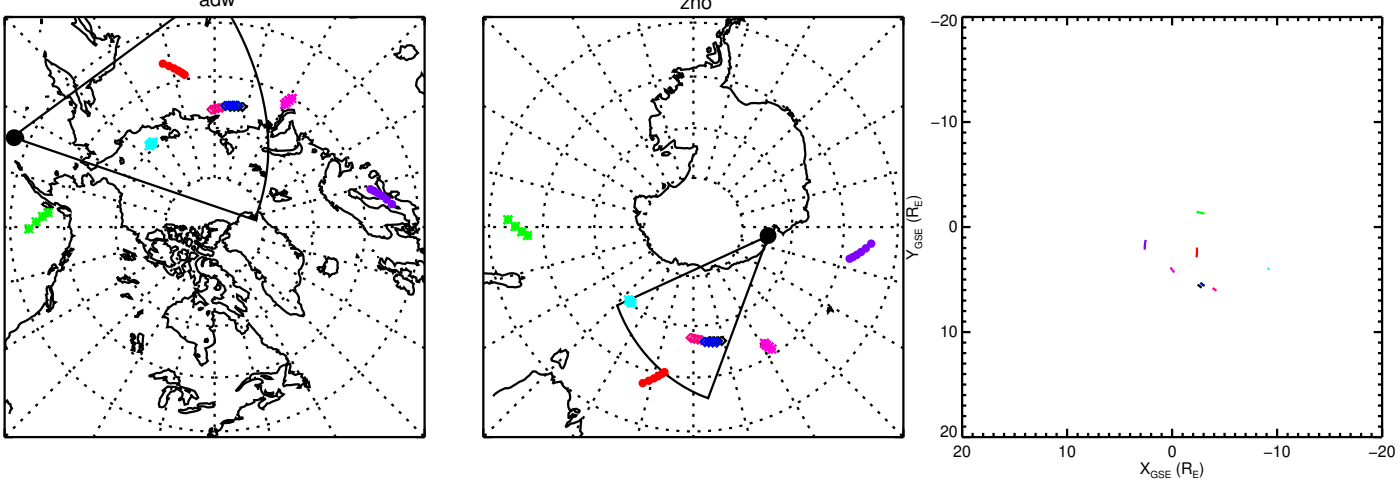
(c) 0600UT to 1020UT
adw cly cvw hok ksr

tig unw zho

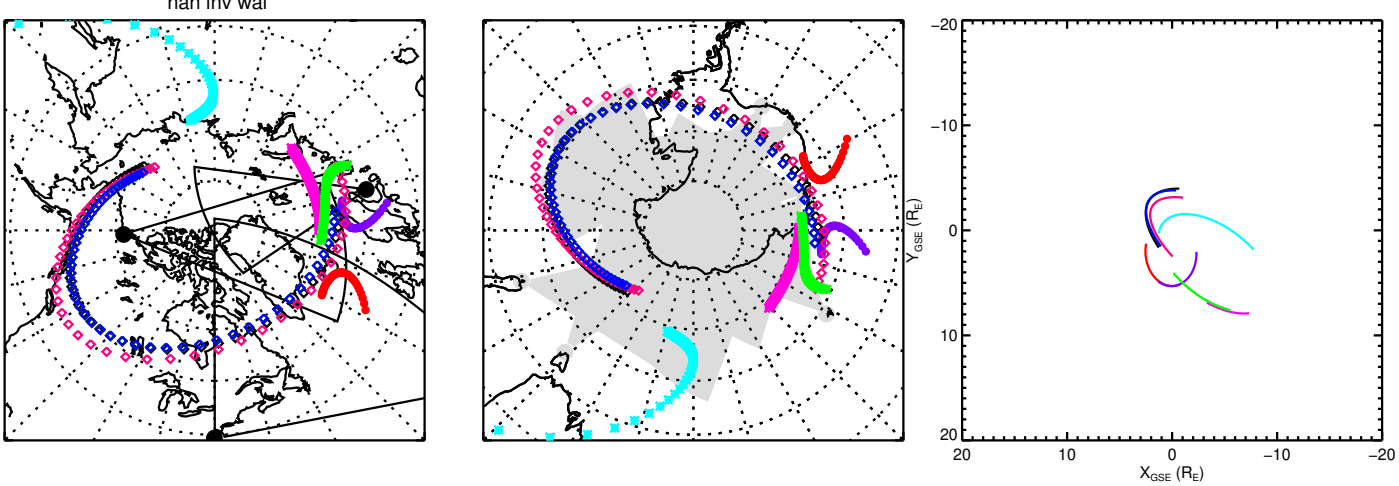


(d) 1225UT to 1250UT
adw

zho

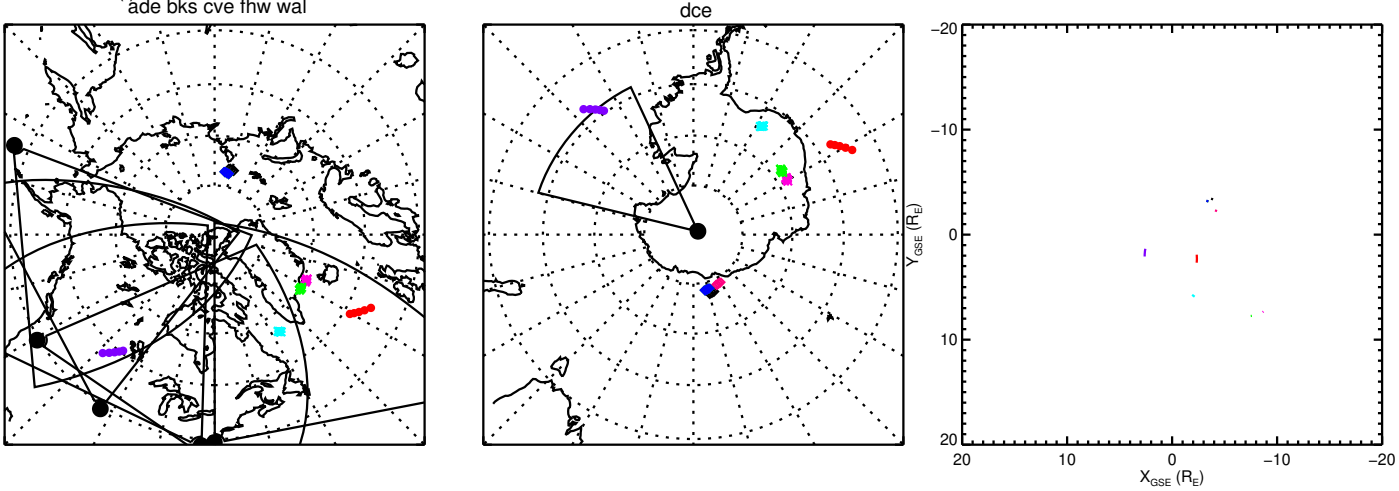


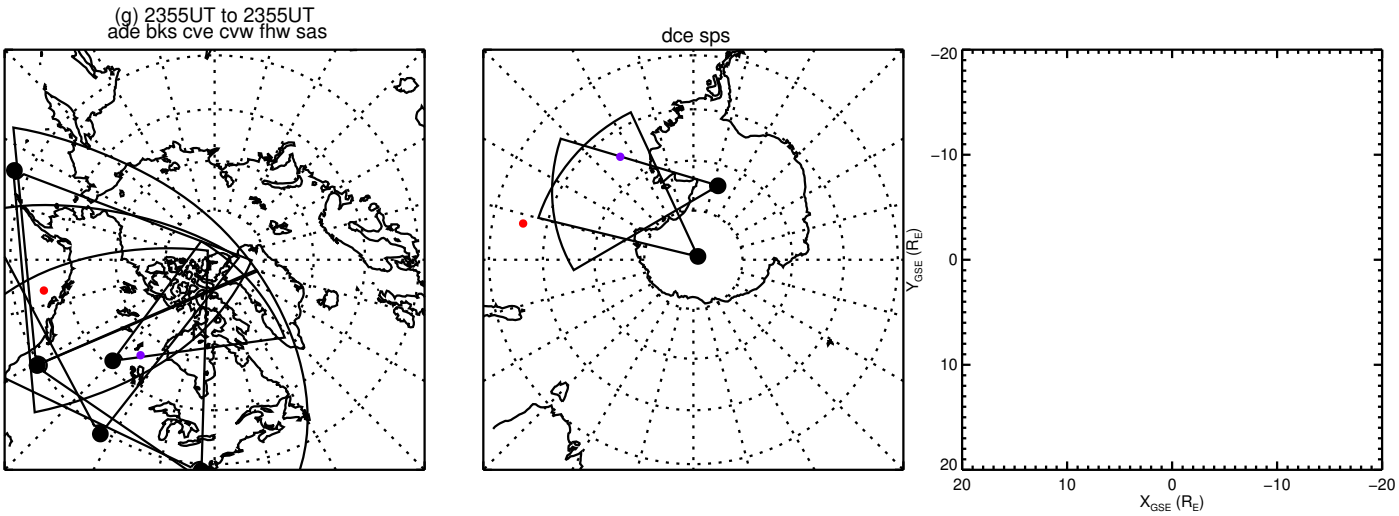
(e) 1455UT to 1920UT
han inv wal



(f) 2130UT to 2150UT
ade bks cve fhw wal

dce




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