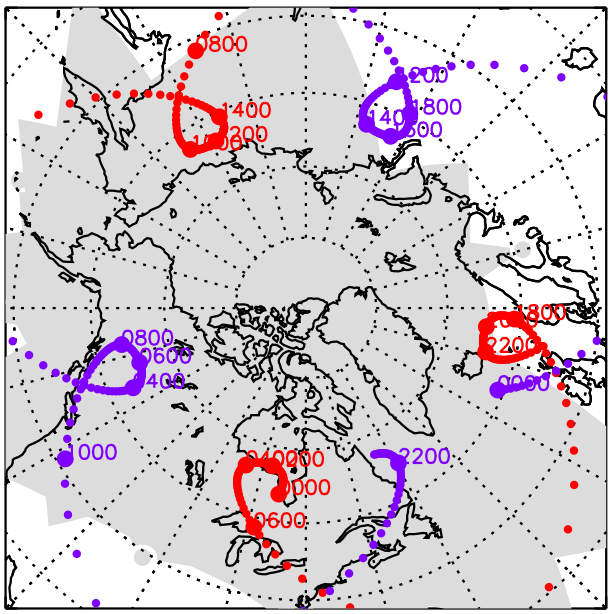
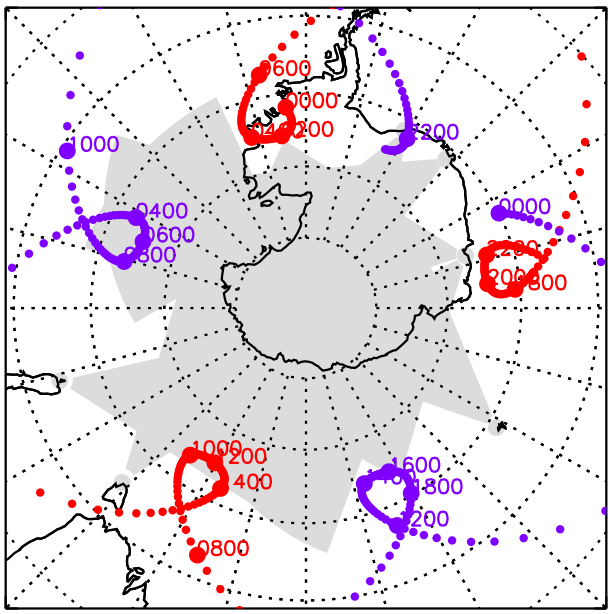
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

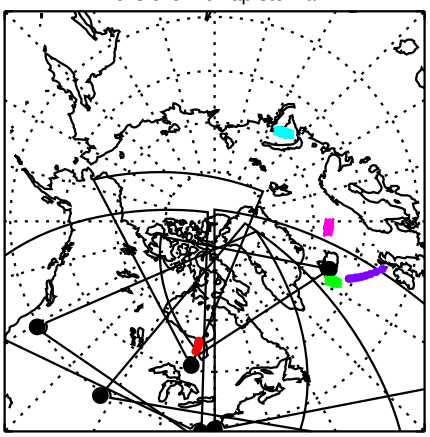
01–Jul–2013

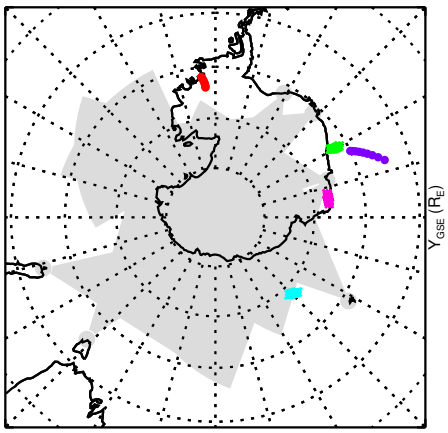
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

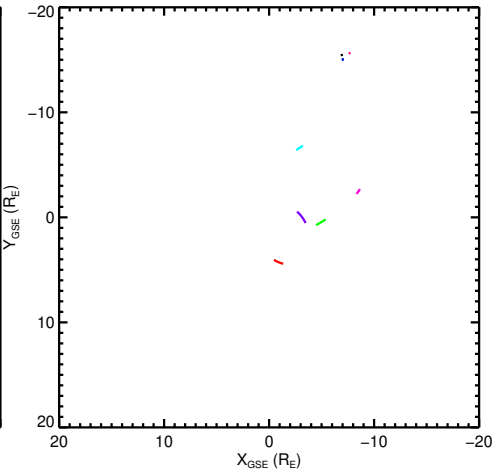




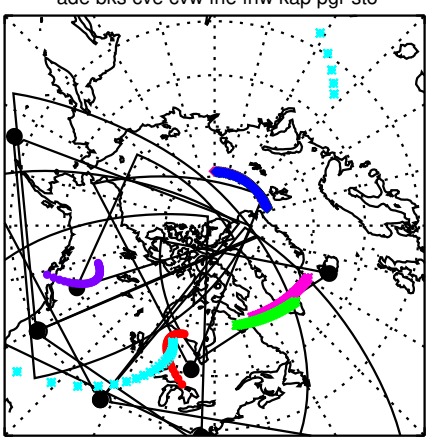
(a) 0000UT to 0040UT
bks cve fhe kap sto wal



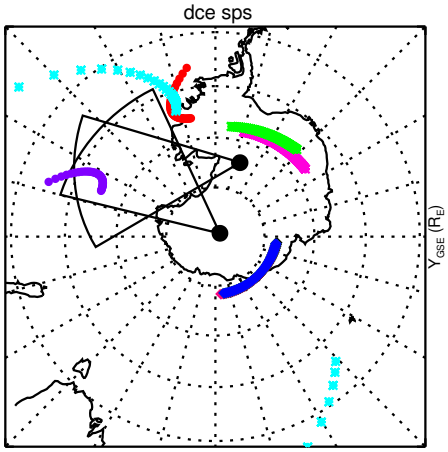


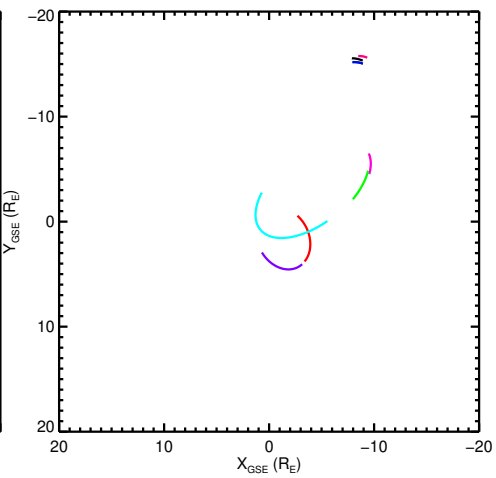


(b) 0245UT to 0605UT
ade bks cve cvw fhe fhw kap pgr sto

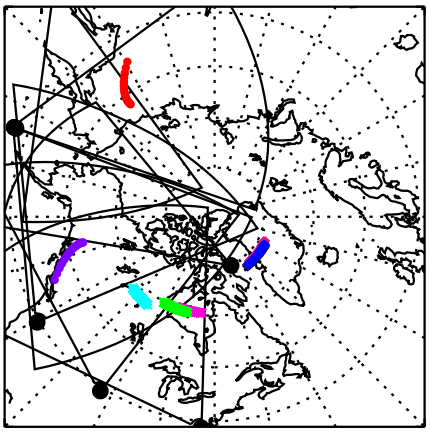


dce sps

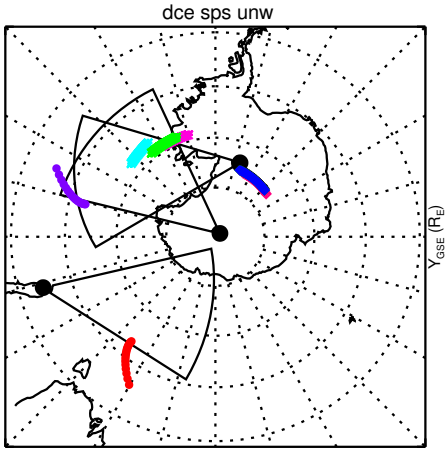


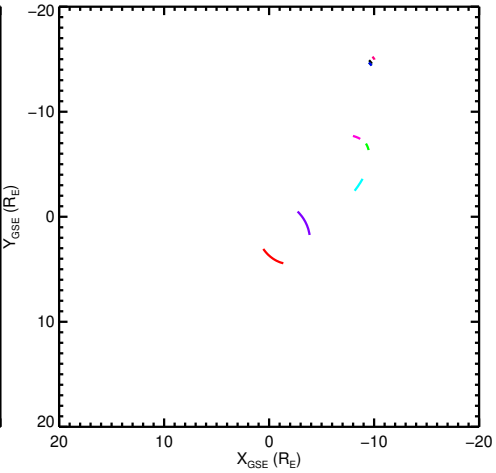


(c) 0815UT to 0940UT
ade adw bks cly cvw fhw hok

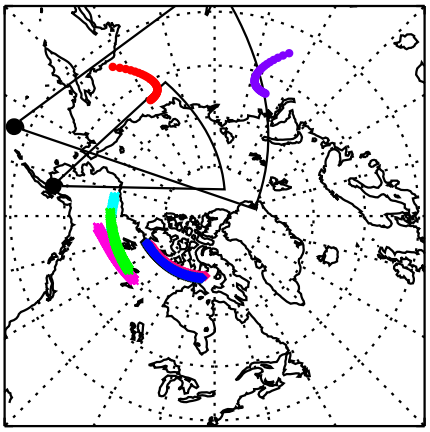


dce sps unw

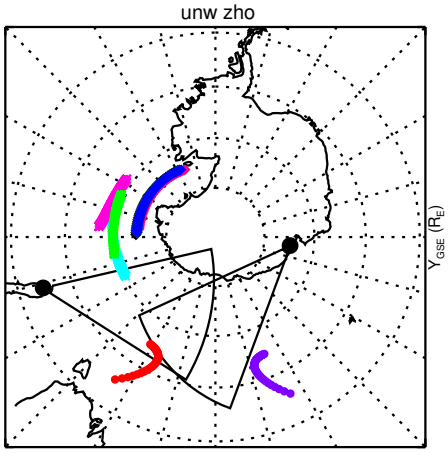


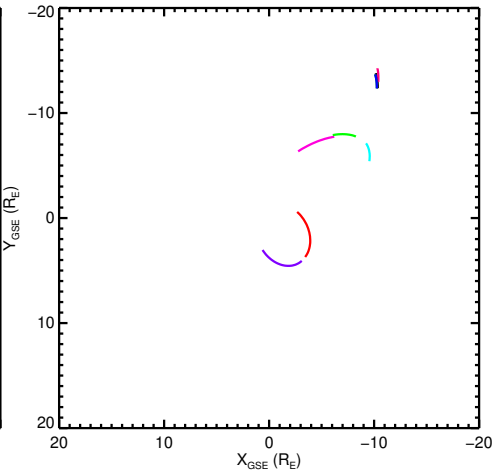


(d) 1150UT to 1505UT
adw ksr

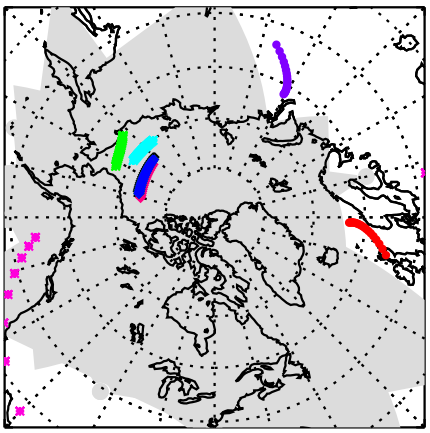


unw zho

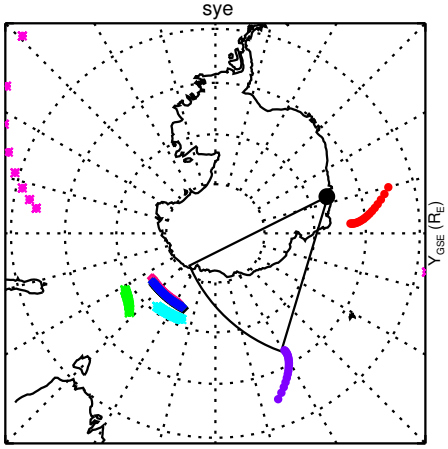


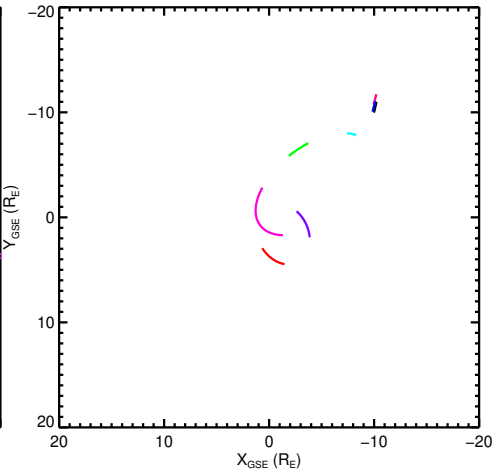


(e) 1710UT to 1845UT

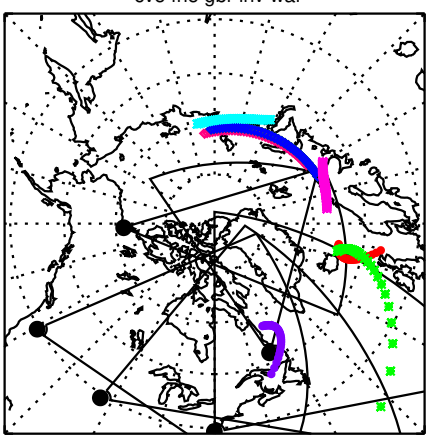


sye

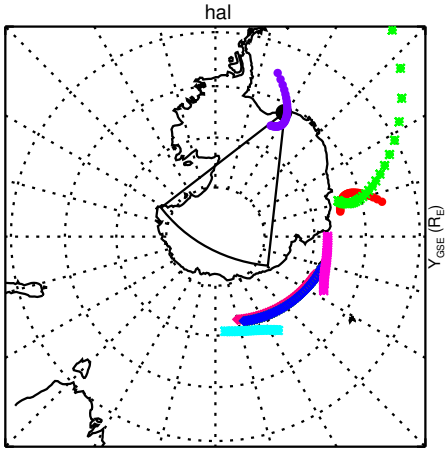


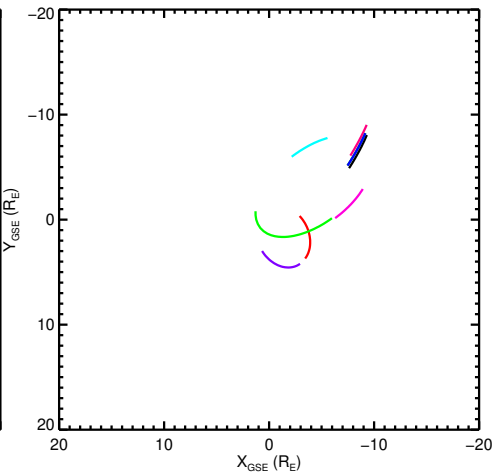


(f) 2050UT to 2355UT
cve fhe gbr inv wal



hal

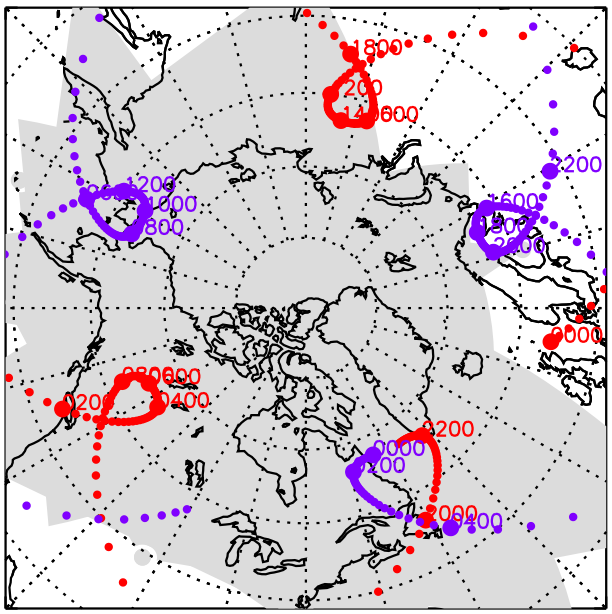


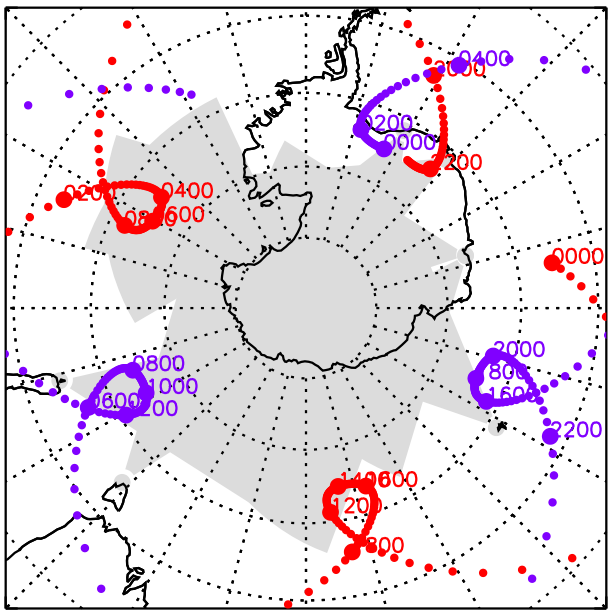


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

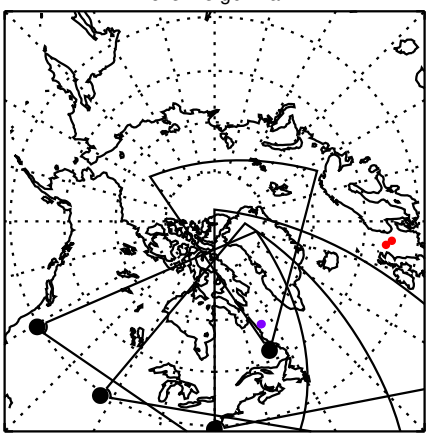
02–Jul–2013

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

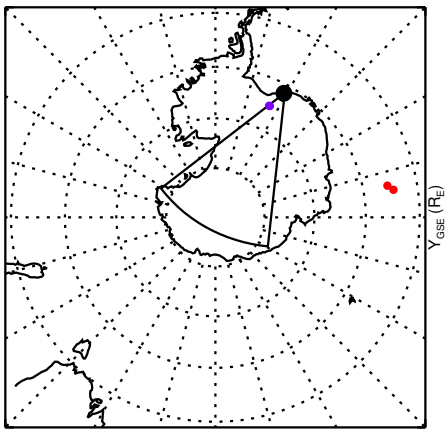


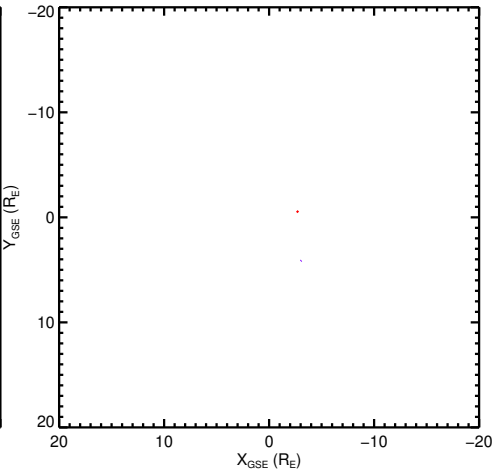


(a) 0000UT to 0005UT
cve fhe gbr wal

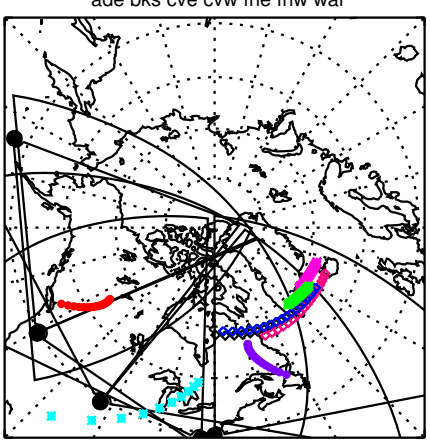


hal

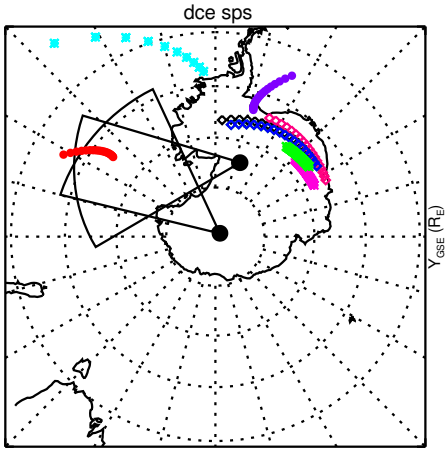


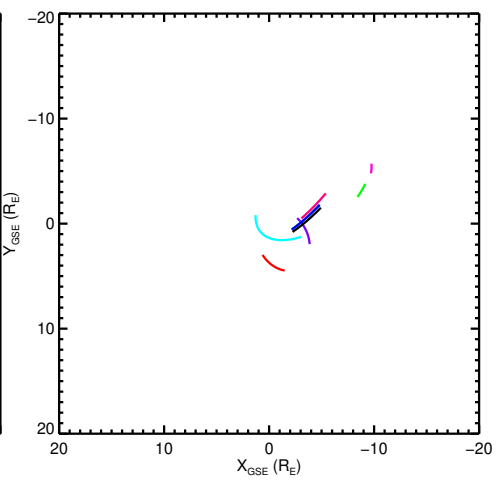


(b) 0210UT to 0345UT
ade bks cve cvw fhe fhw wal



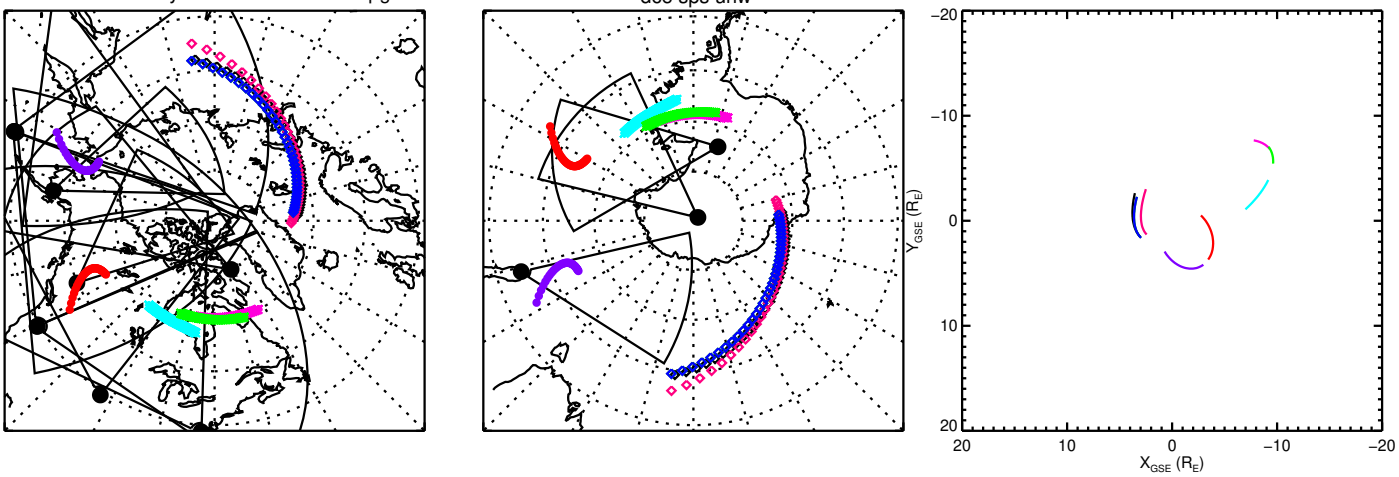
dce sps





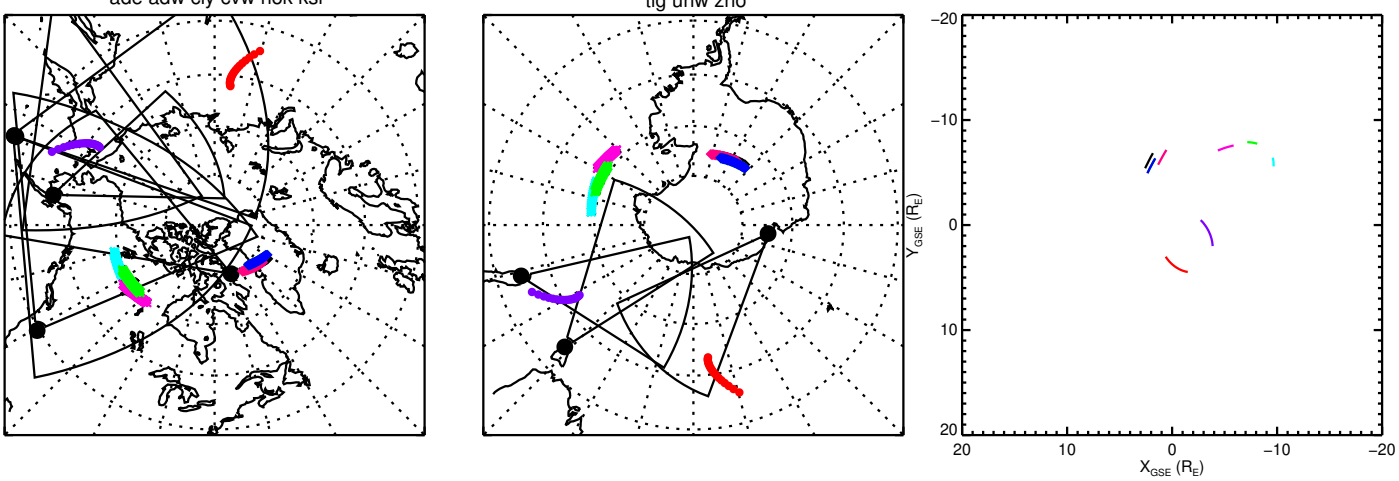
(c) 0550UT to 0900UT
ade adw bks cly cve cvw fhw hok ksr pgr

dce sps unw



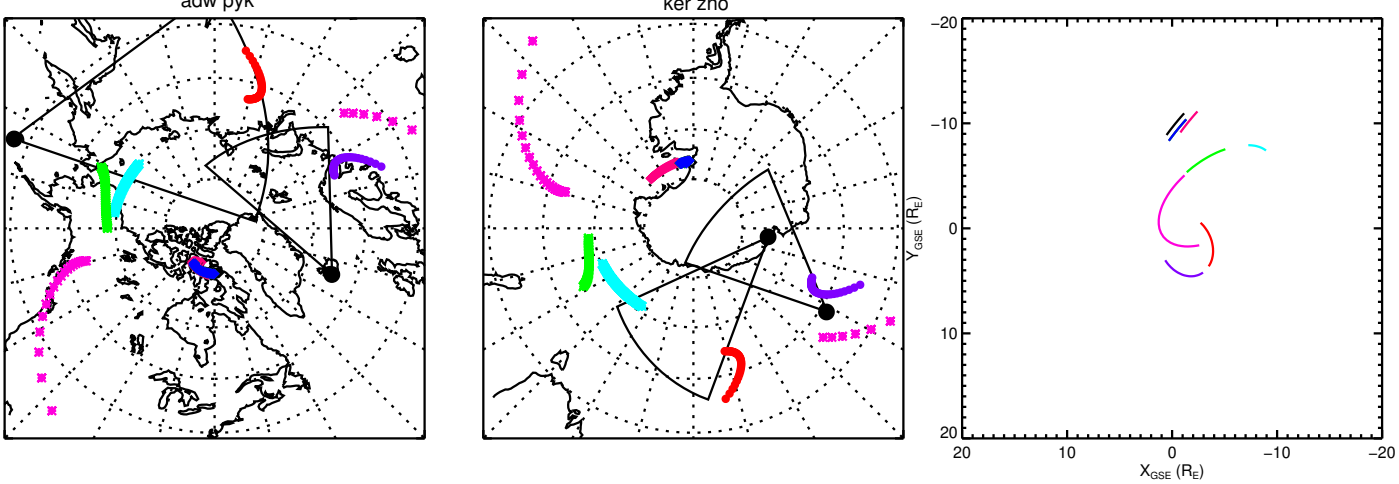
(d) 1110UT to 1245UT
ade adw cly cvw hok ksr

tig unw zho



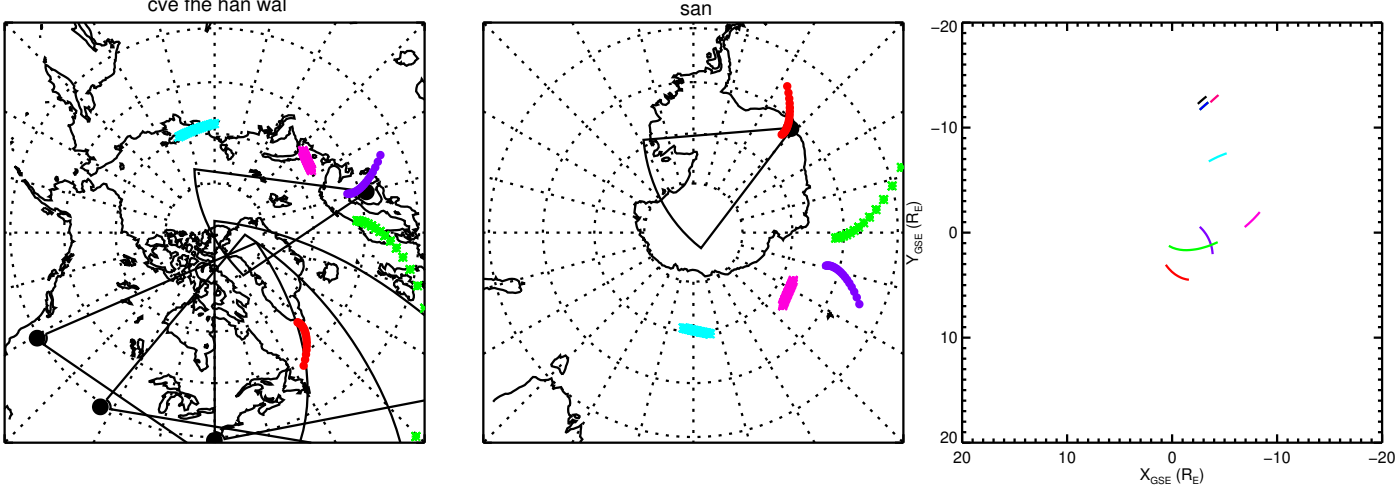
(e) 1455UT to 1800UT
adw pyk

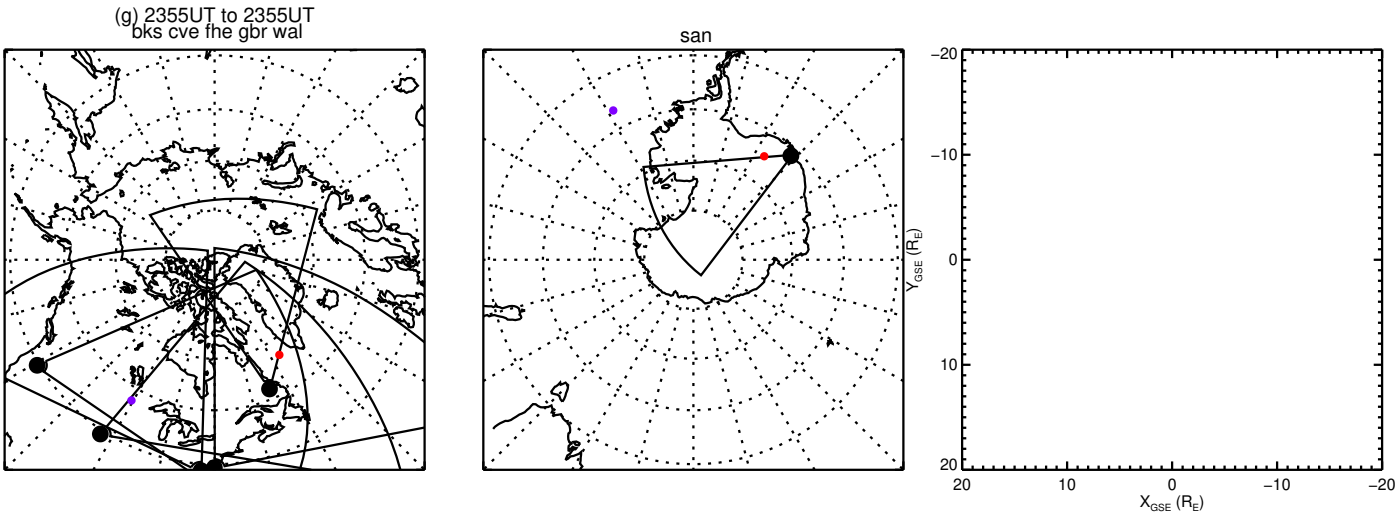
ker zho



(f) 2010UT to 2150UT
cve fhe han wal

san

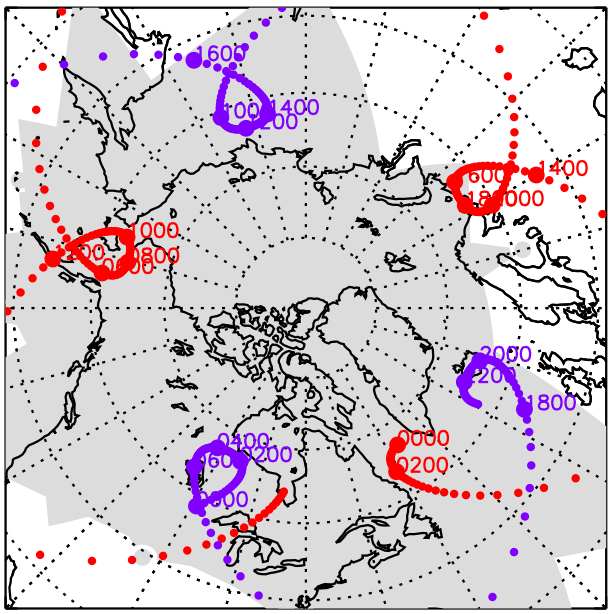


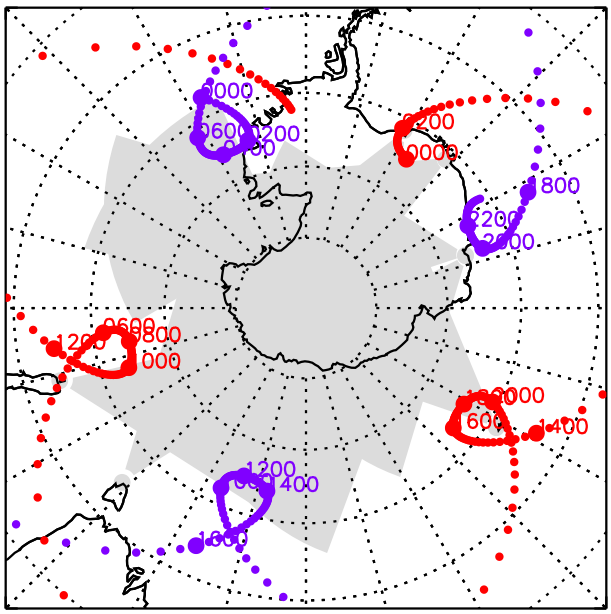

(g) 2355UT to 2355UT
bks cve fhe gbr wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

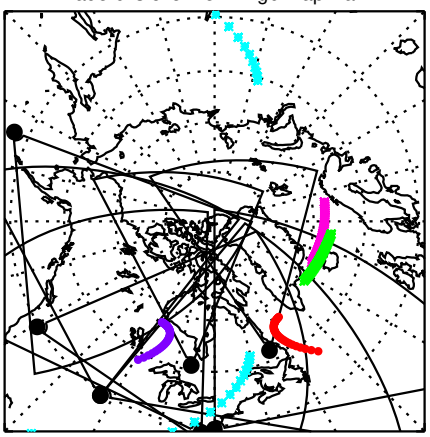
03–Jul–2013

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

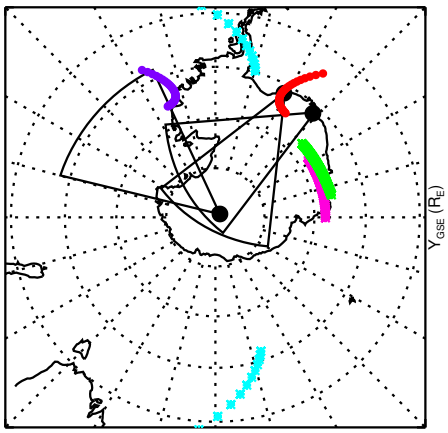


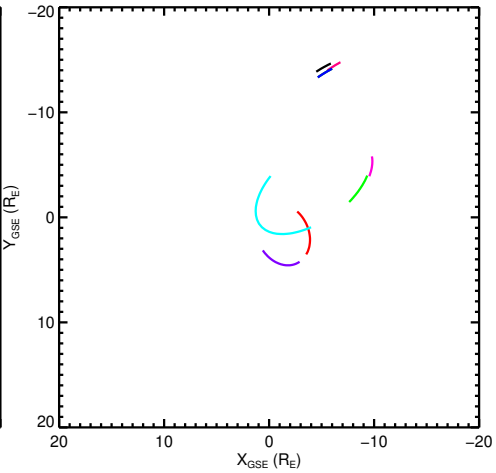


(a) 0000UT to 0300UT
ade bks cve fhe fhw gbr kap wal

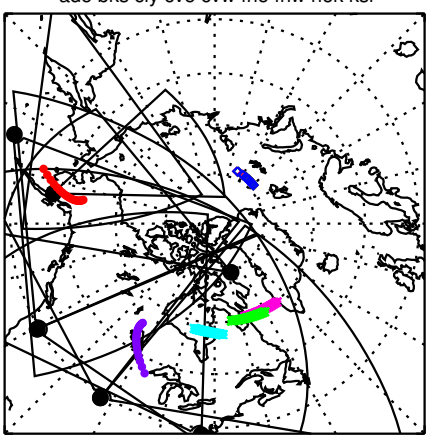


dce hal san

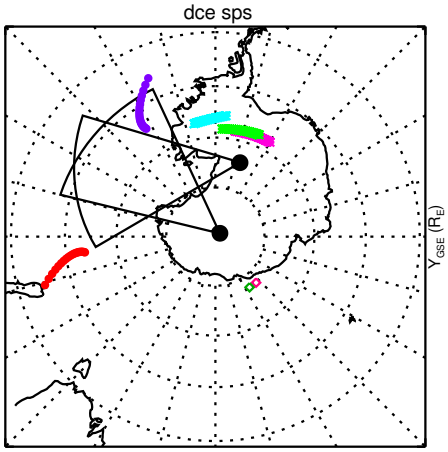


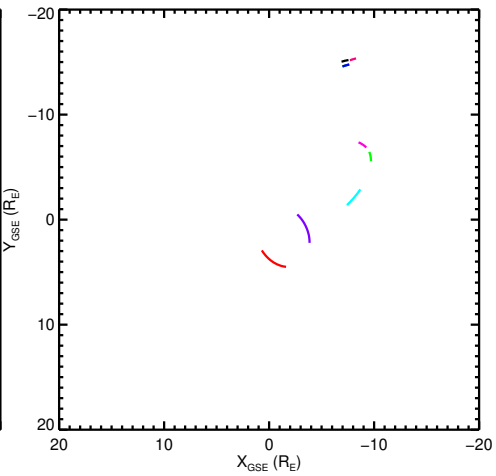


(b) 0505UT to 0650UT
ade bks cly cve cvw fhe fhw hok ksr

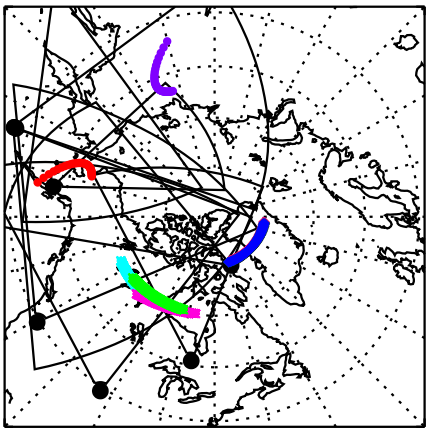


dce sps

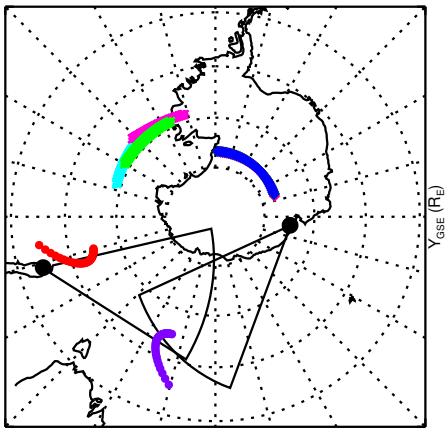


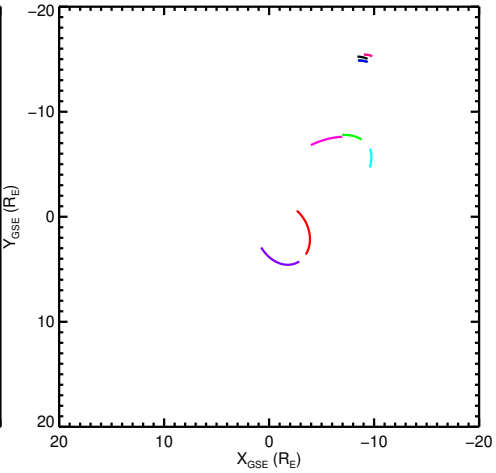


(c) 0855UT to 1200UT
ade adw cly cvw fhw hok kap ksr

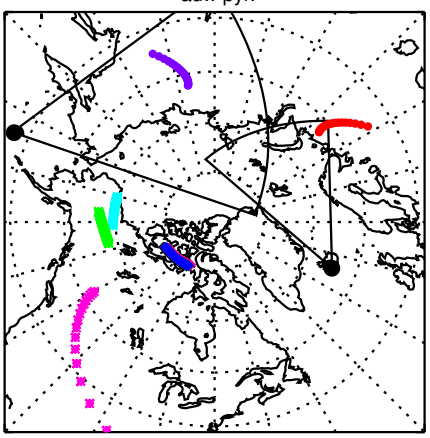


unw zho

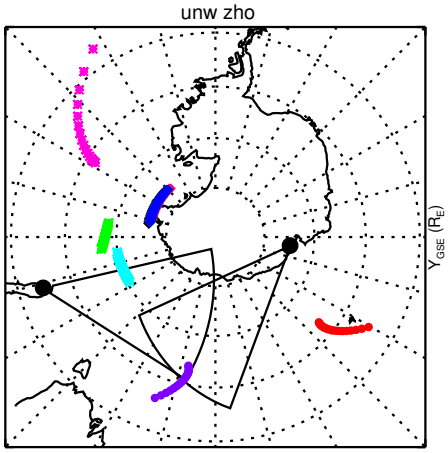


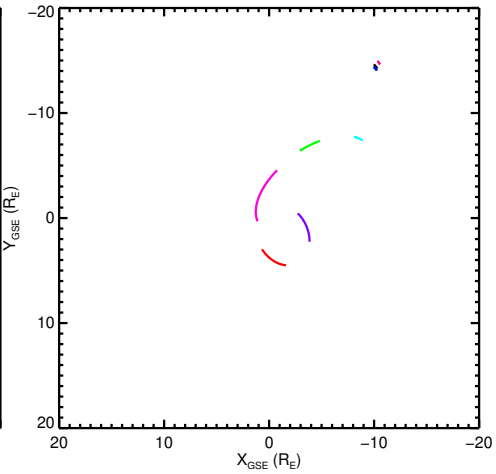


(d) 1405UT to 1550UT
adw pyk

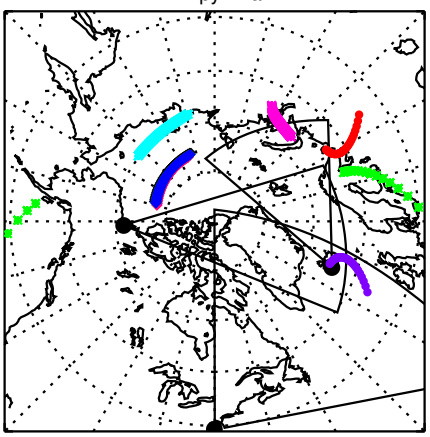


unw zho

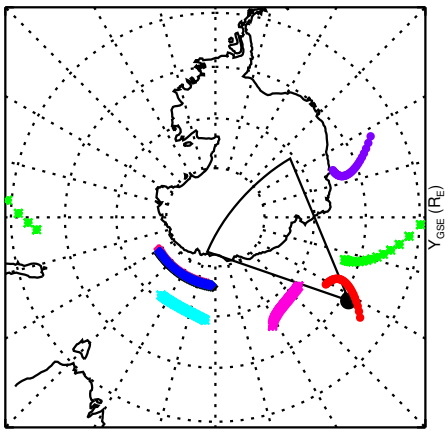


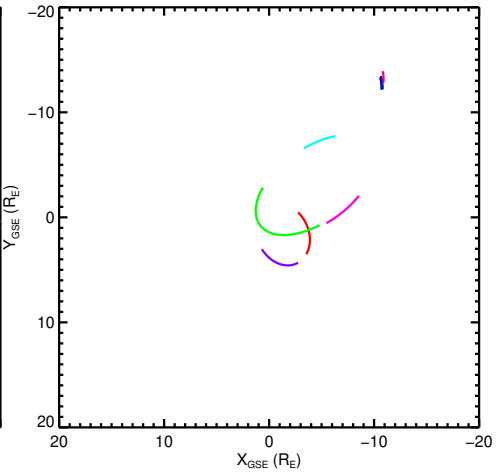


(e) 1800UT to 2055UT
inv pyk wal

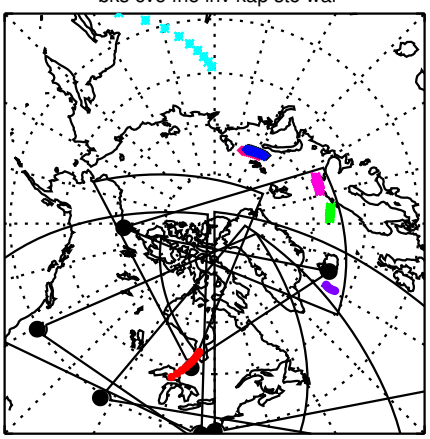


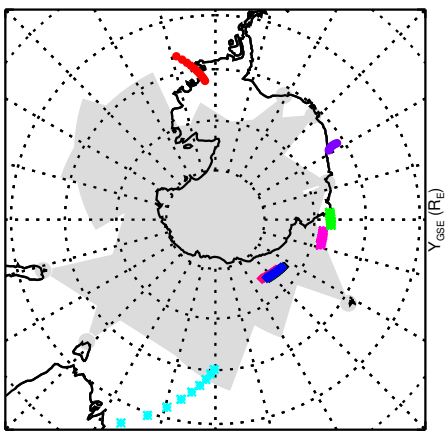
ker

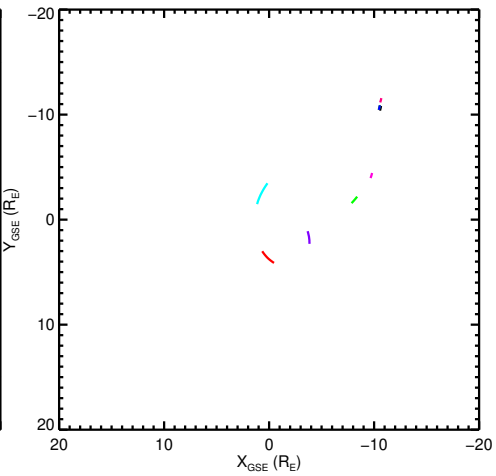




(f) 2305UT to 2355UT
bks cve fhe inv kap sto wal



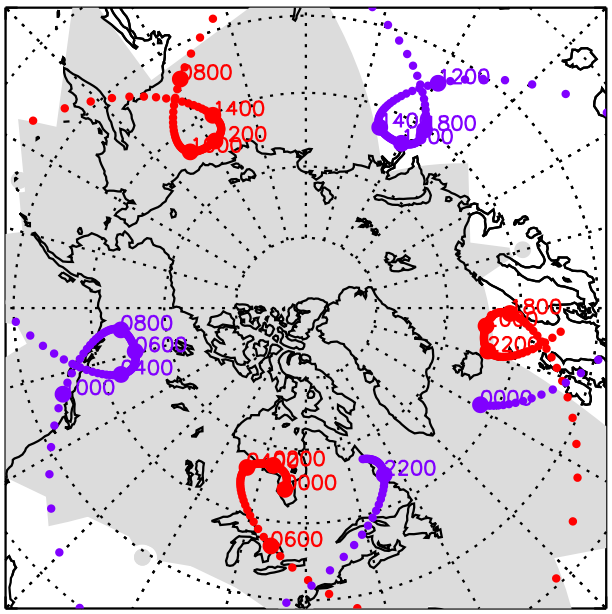


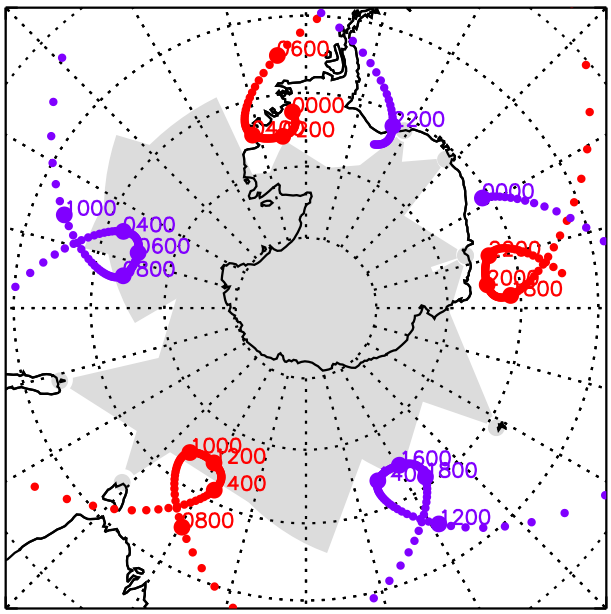


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

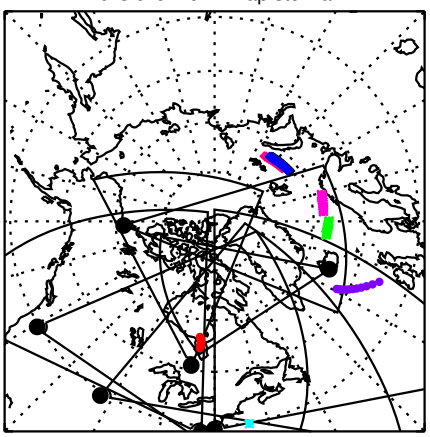
04–Jul–2013

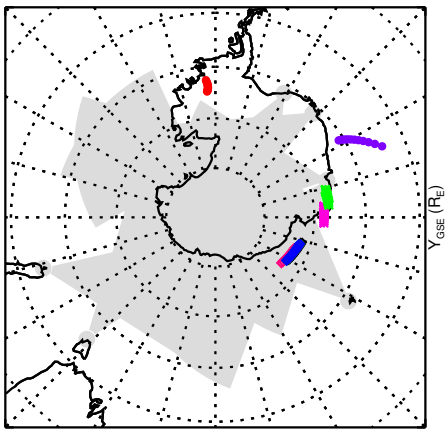
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

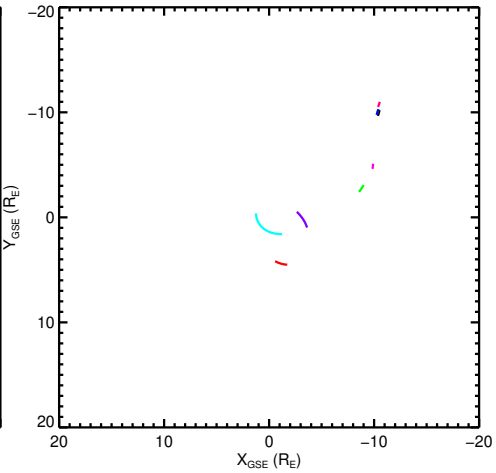




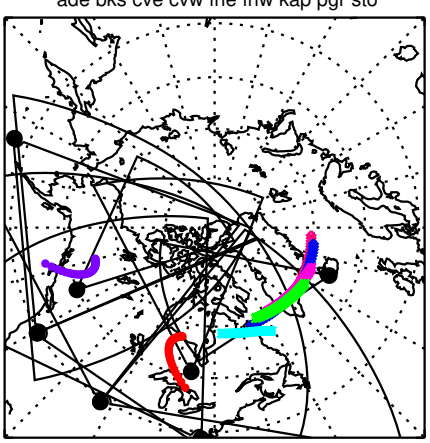
(a) 0000UT to 0055UT
bks cve fhe inv kap sto wal



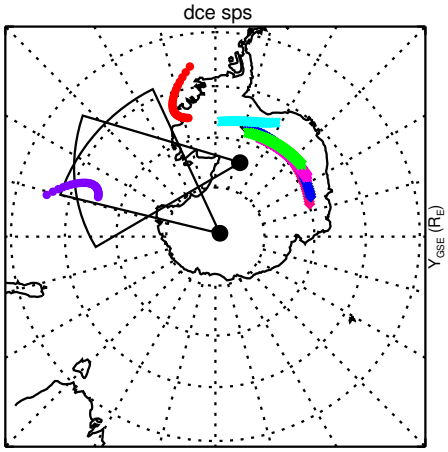


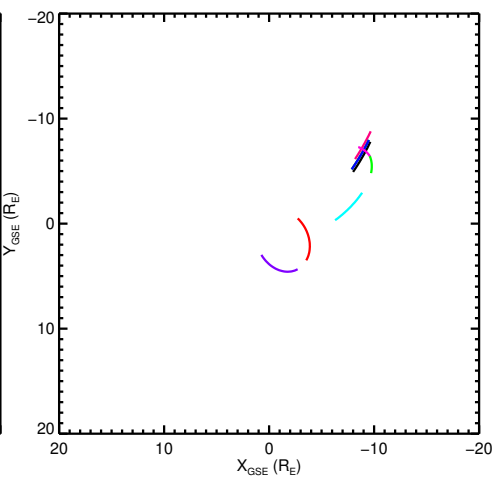


(b) 0300UT to 0555UT
ade bks cve cvw fhe fhw kap pgr sto



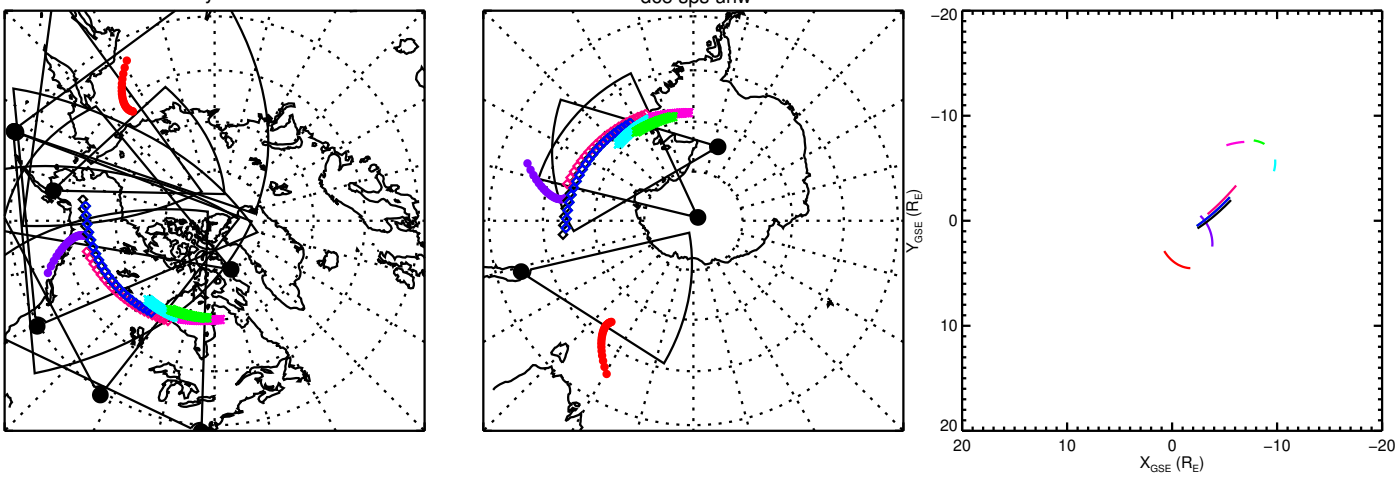
dce sps





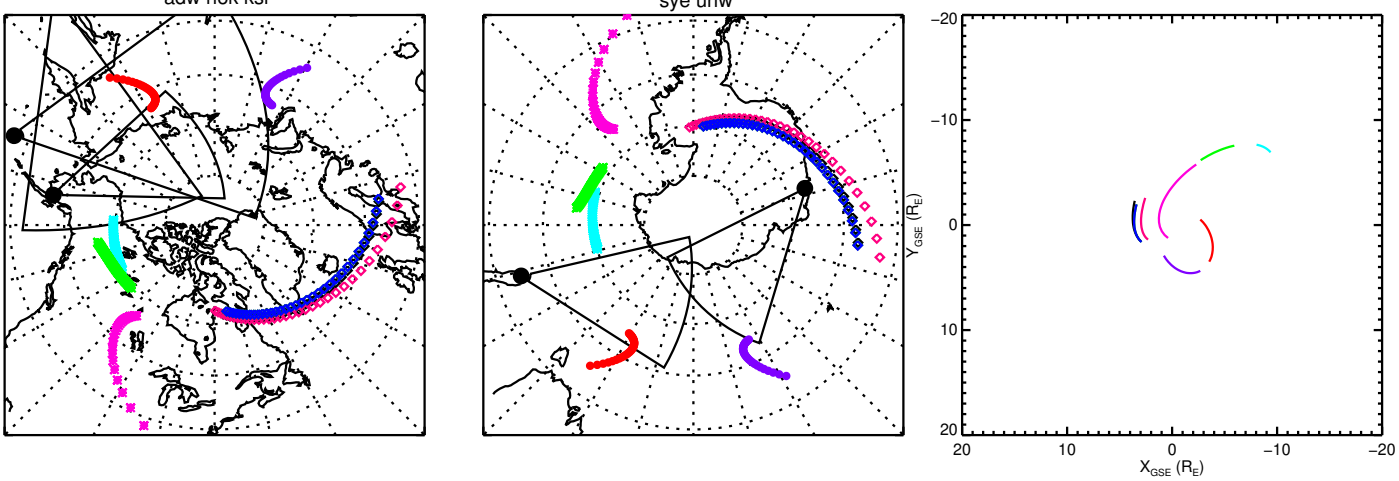
(c) 0800UT to 0955UT
ade adw bks cly cvw fhw hok ksr

dce sps unw

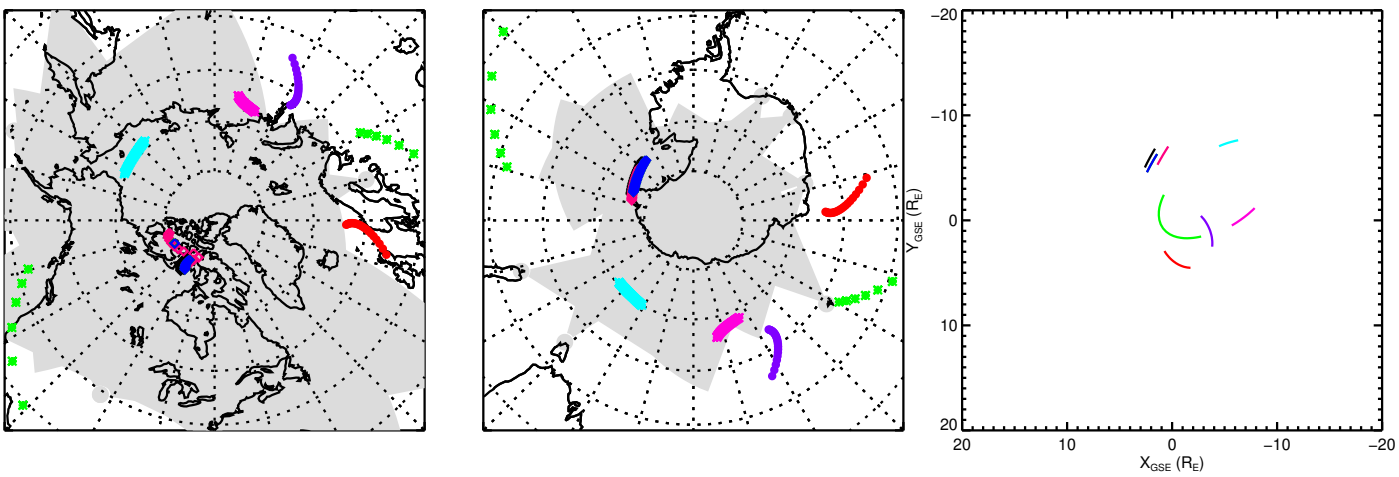


(d) 1200UT to 1455UT
adw hok ksr

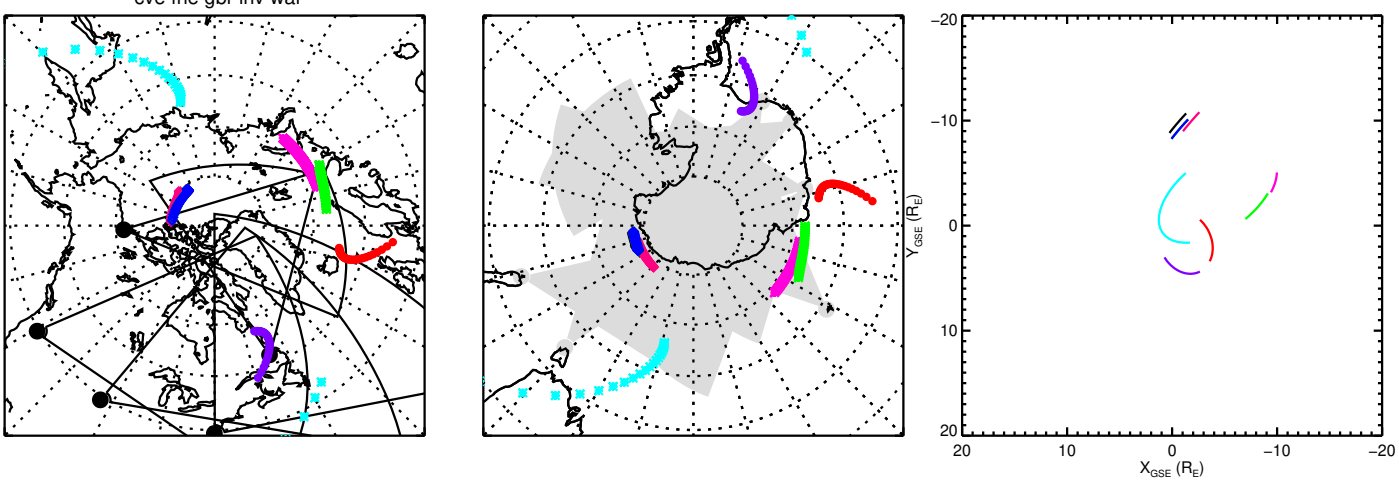
sye unw



(e) 1700UT to 1855UT



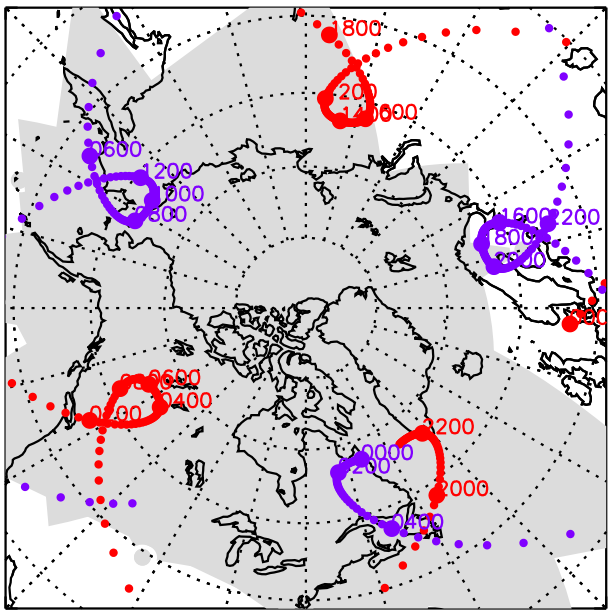
(f) 2105UT to 2355UT
cve fhe gbr inv wal

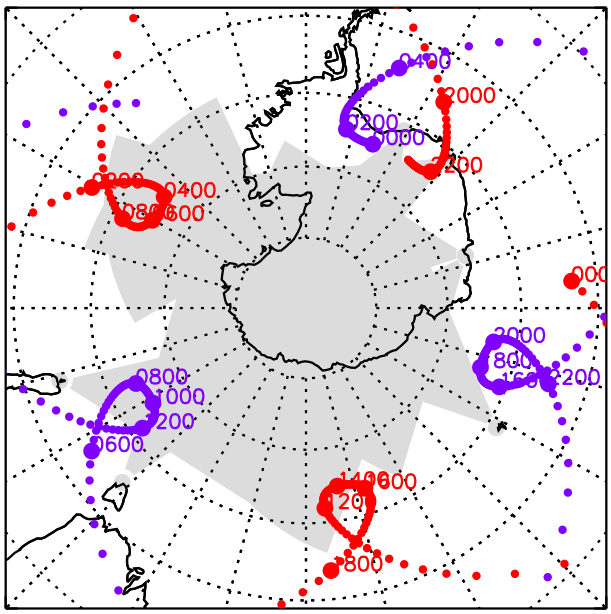


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

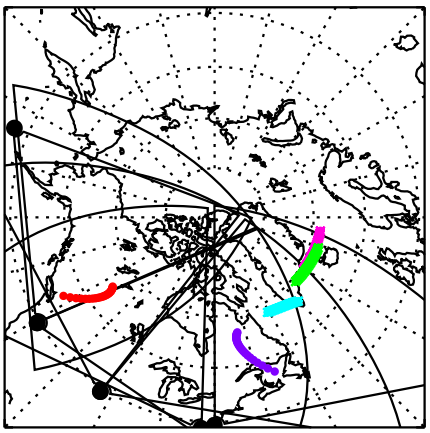
05–Jul–2013

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

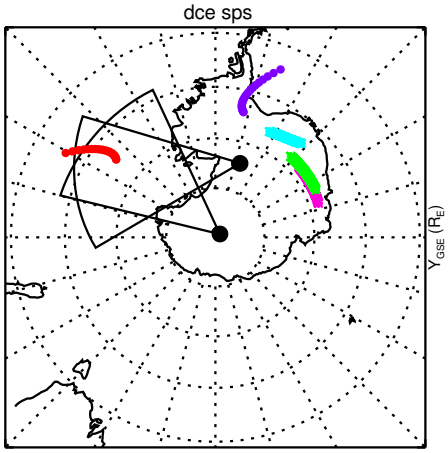


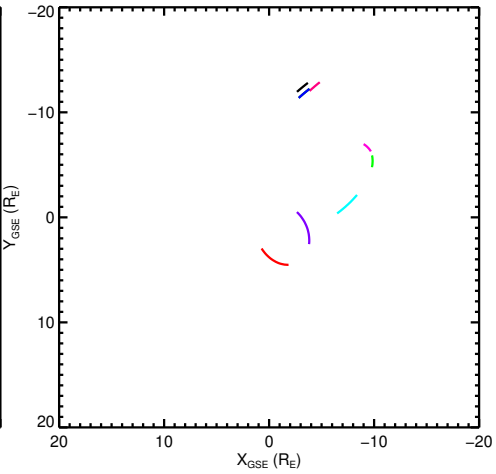


(a) 0200UT to 0400UT
ade bks cve cvw fhe fhw wal

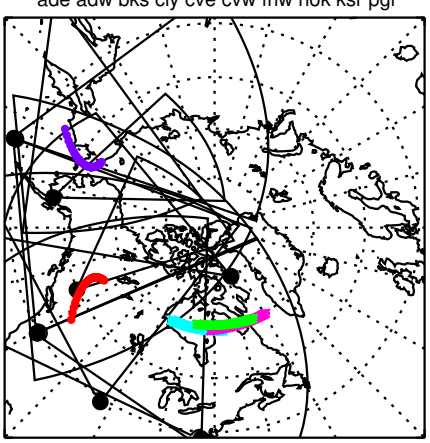


dce sps

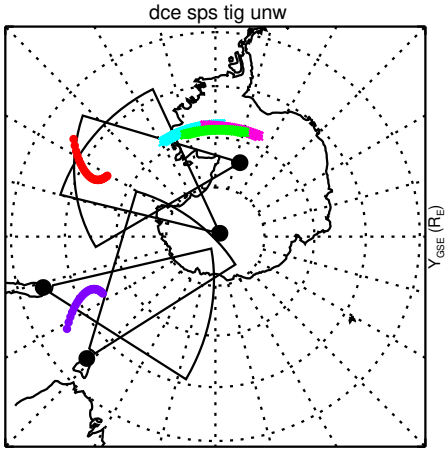


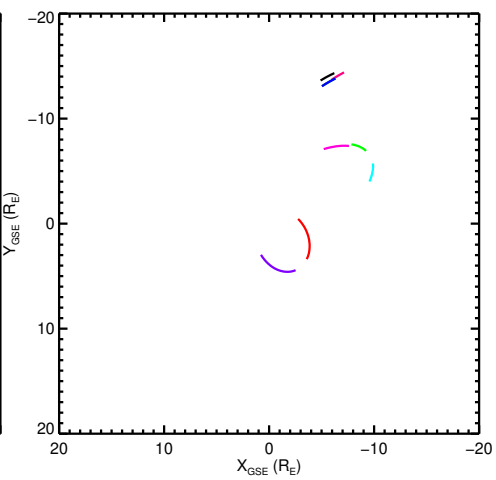


(b) 0605UT to 0850UT
ade adw bks cly cve cvw fhw hok ksr pgr

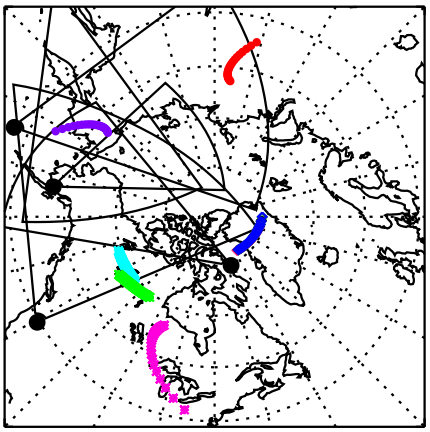


dce sps tig unw

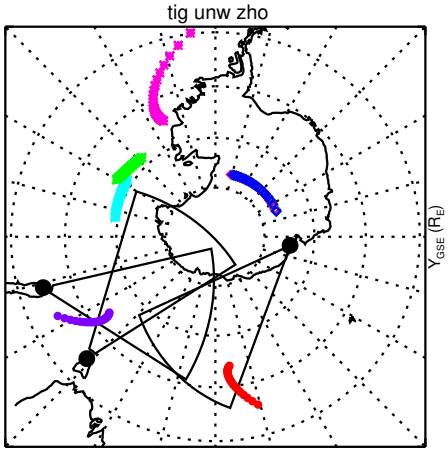


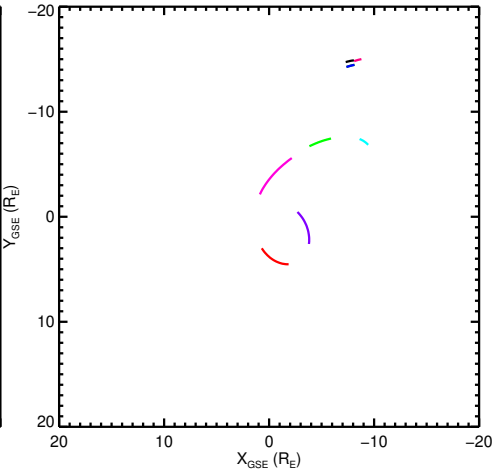


(c) 1100UT to 1300UT
adw cly cvw hok ksr

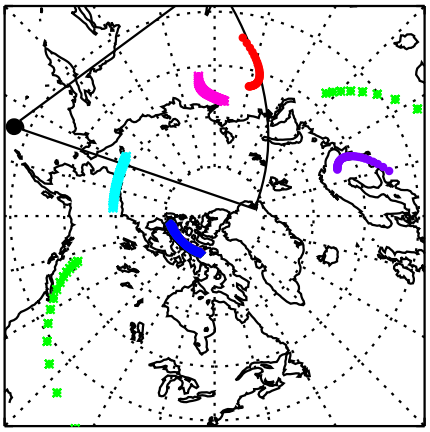


tig unw zho

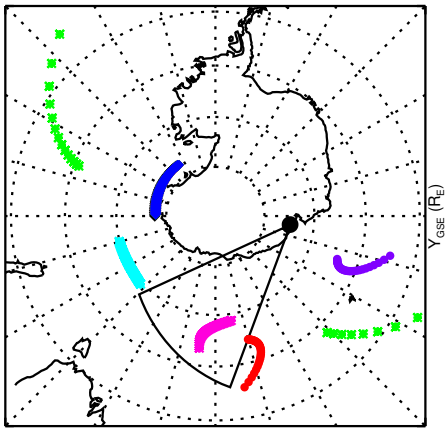


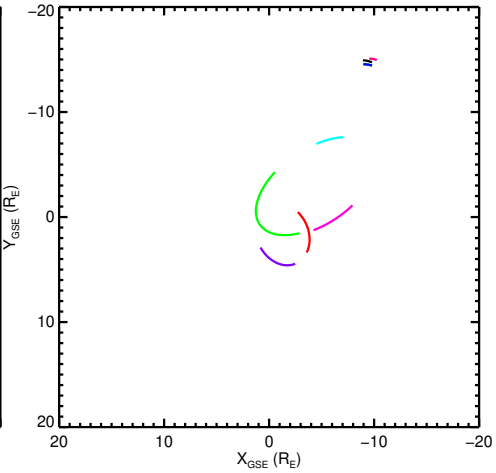


(d) 1505UT to 1750UT
adw

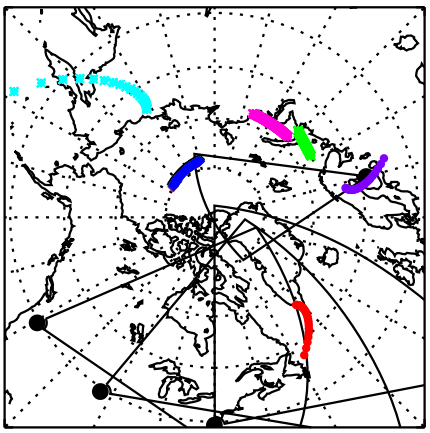


zho





(e) 1955UT to 2200UT
cve fhe han wal



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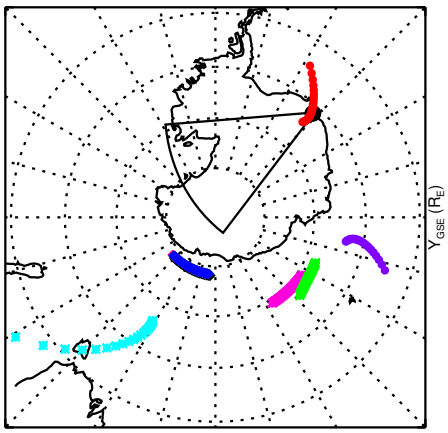
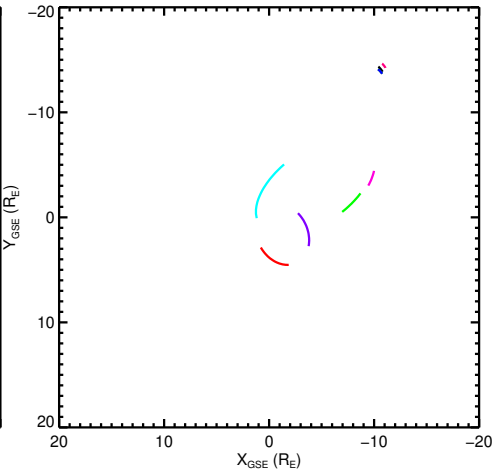
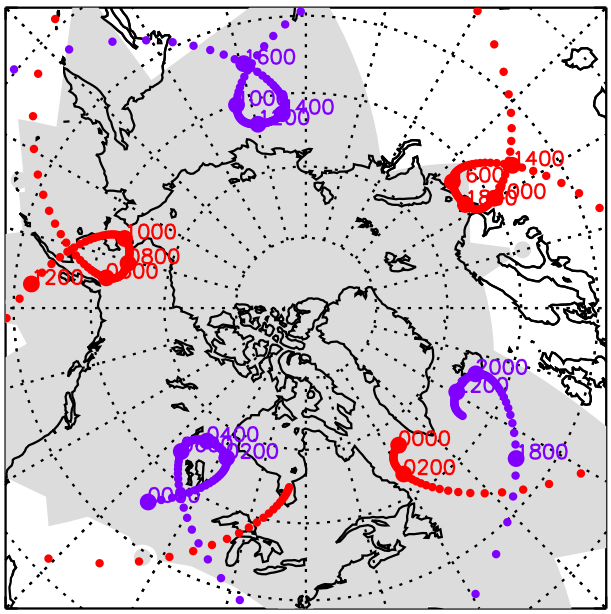


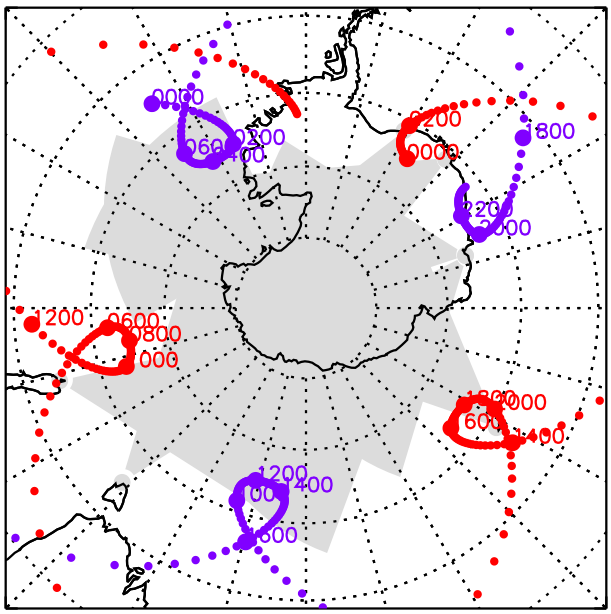


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

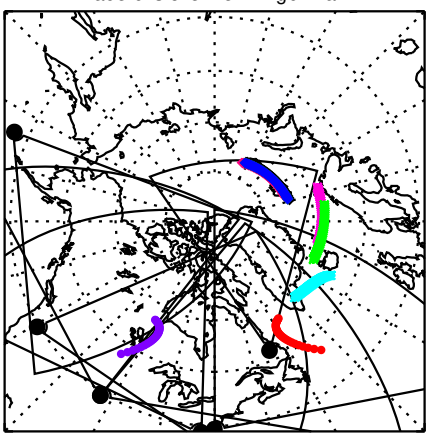
06–Jul–2013

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

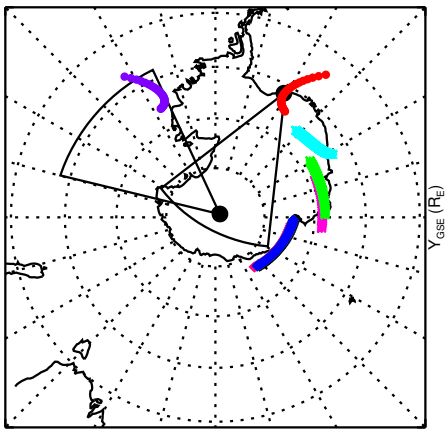


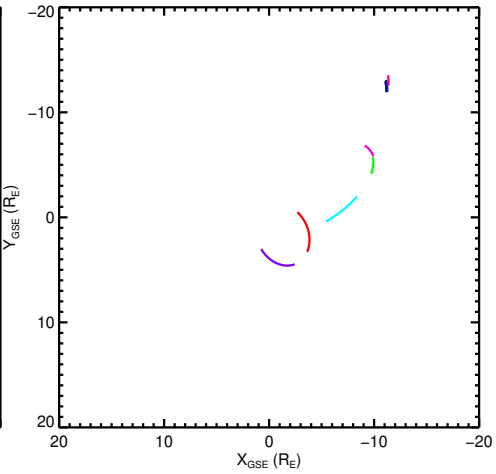


(a) 0010UT to 0250UT
ade bks cve fhe fhw gbr wal

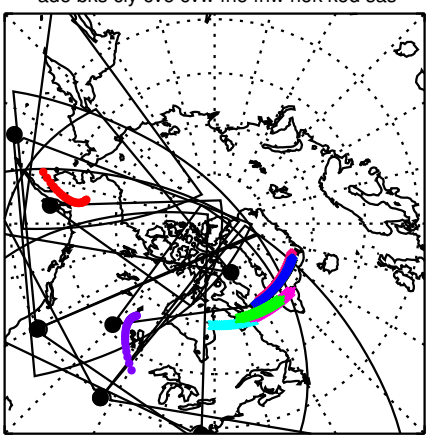


dce hal

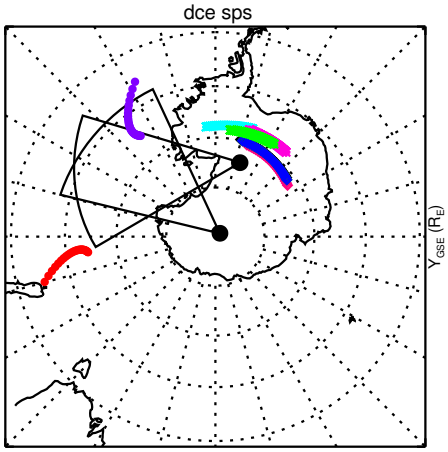


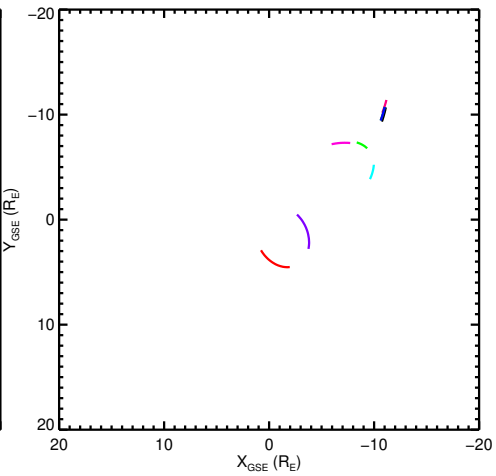


(b) 0455UT to 0705UT
ade bks cly cve cvw fhe fhw hok kod sas

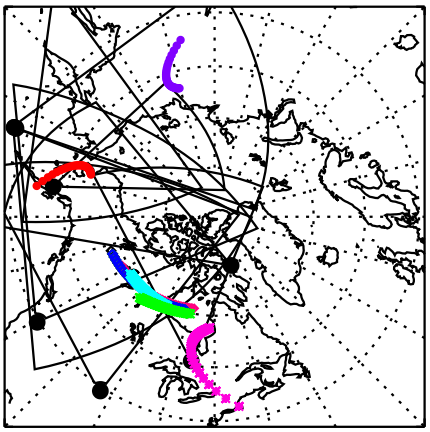


dce sps

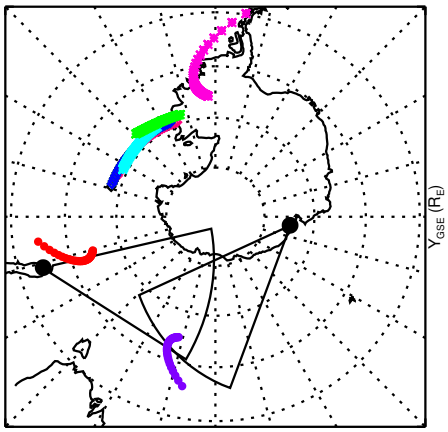


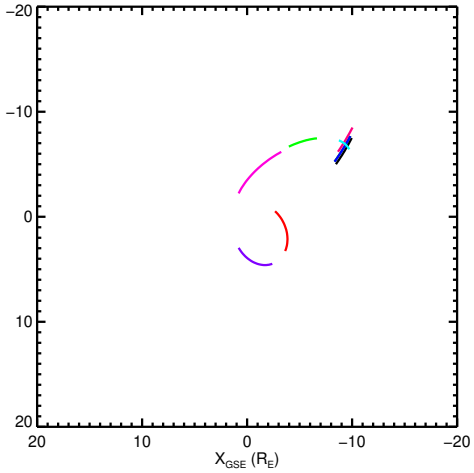


(c) 0910UT to 1150UT
ade adw cly cvw fhw hok kap ksr

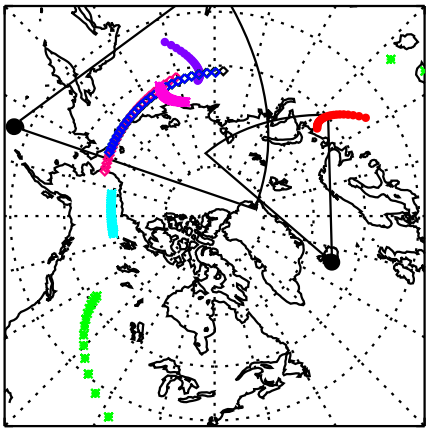


unw zho

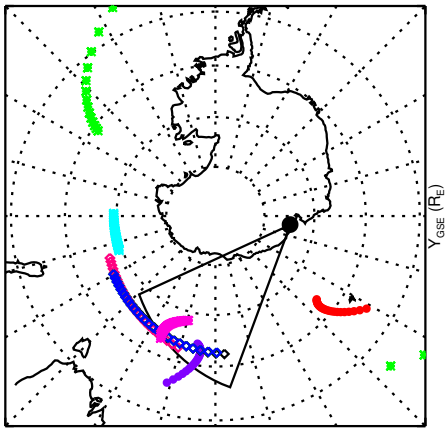


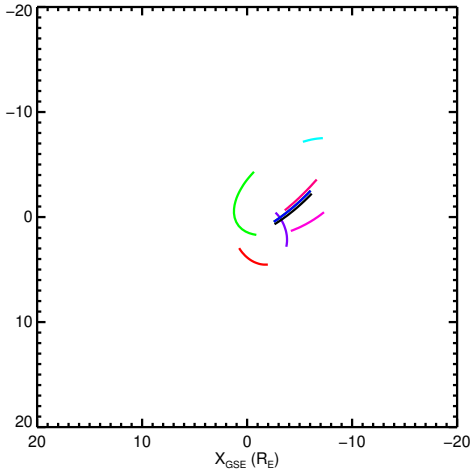


(d) 1355UT to 1605UT
adw pyk

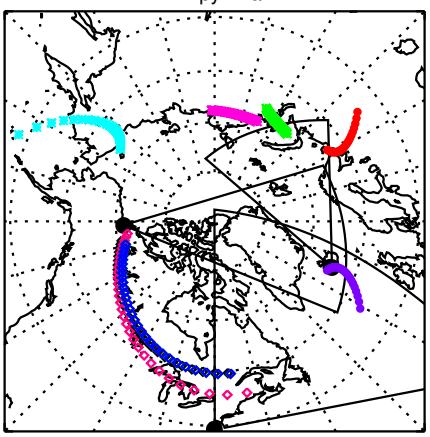


zho





(e) 1810UT to 2045UT
inv pyk wal



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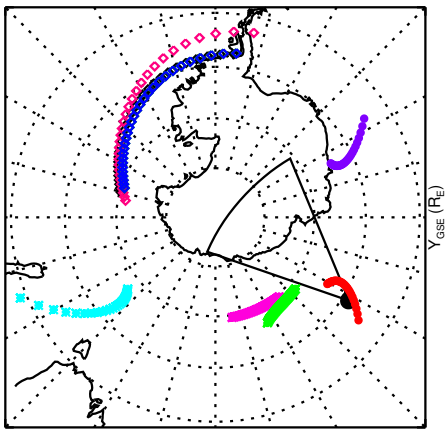
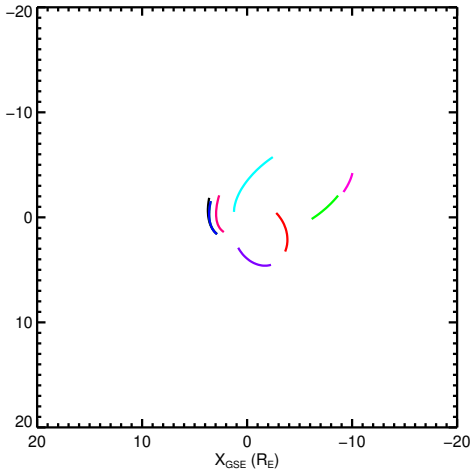
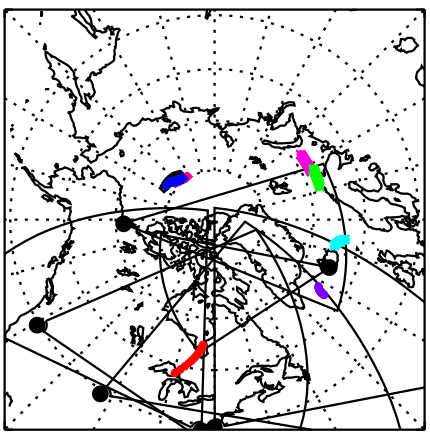
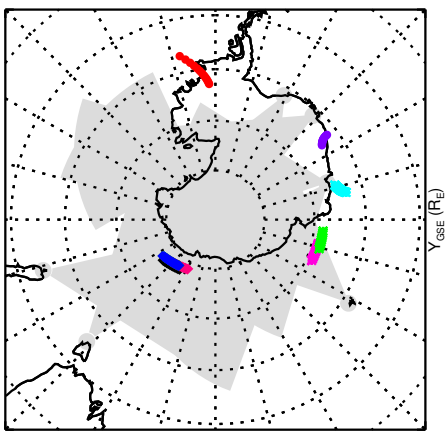
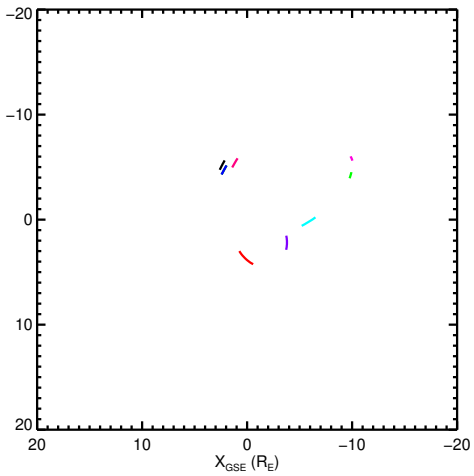




(f) 2255UT to 2355UT
bks cve fhe inv sto wal



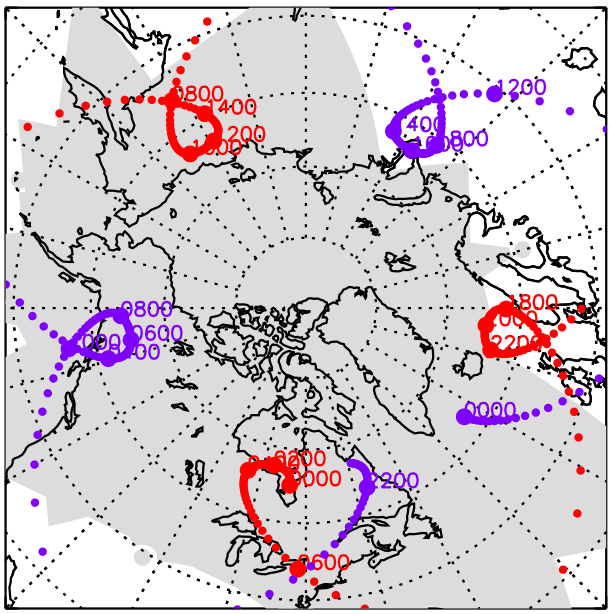


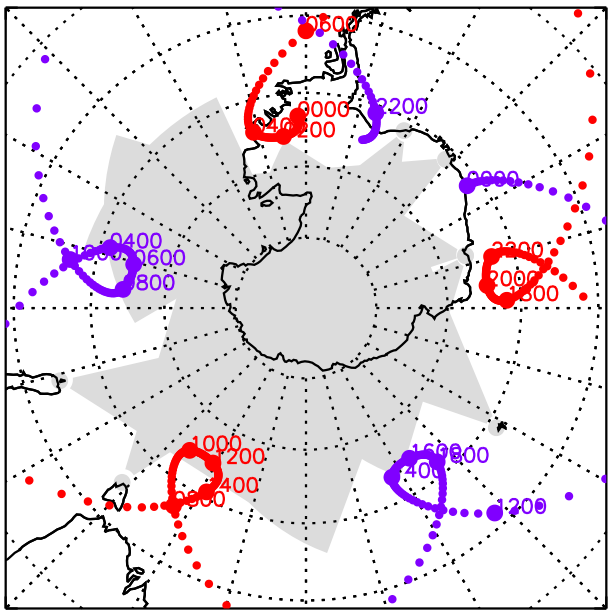


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

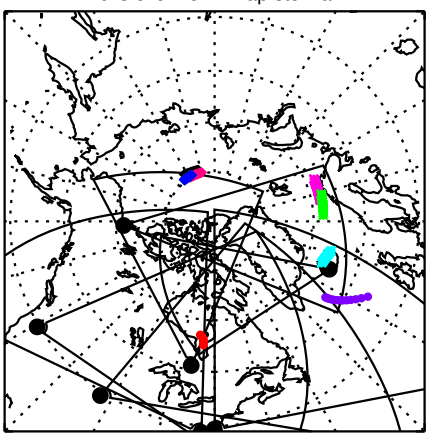
07–Jul–2013

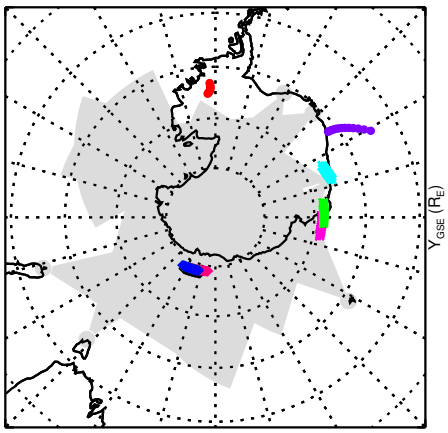
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

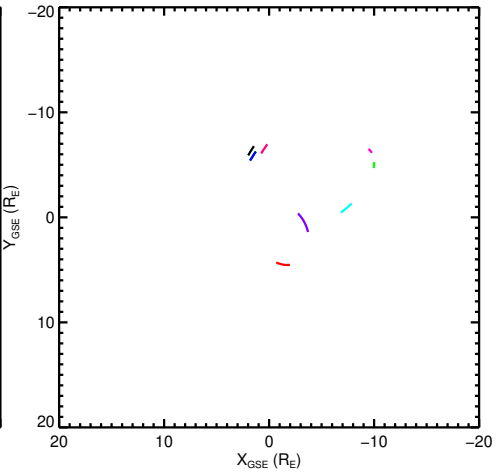




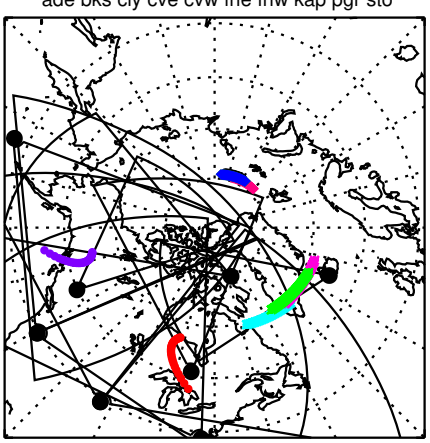
(a) 0000UT to 0105UT
bks cve fhe inv kap sto wal



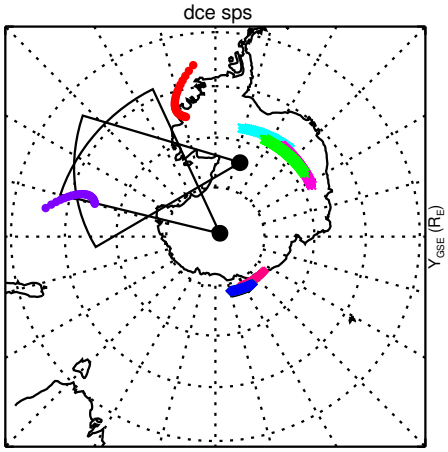


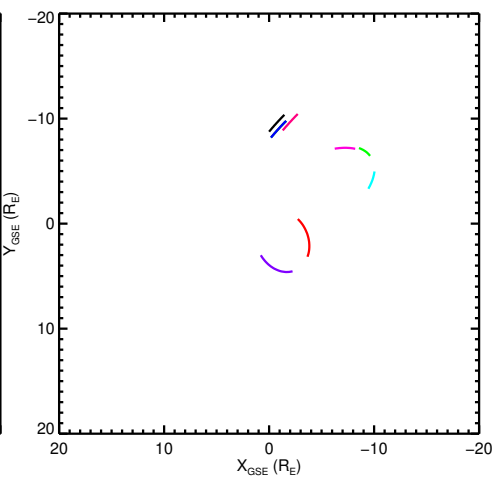


(b) 0315UT to 0545UT
ade bks cly cve cvw fhe fhw kap pgr sto

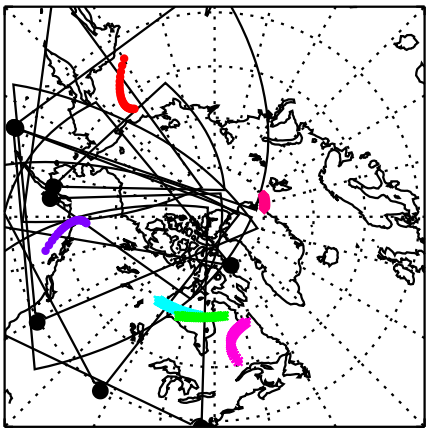


dce sps

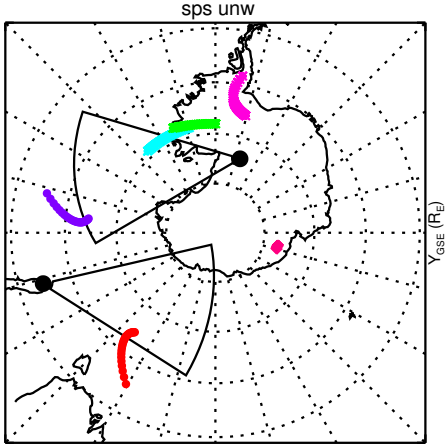


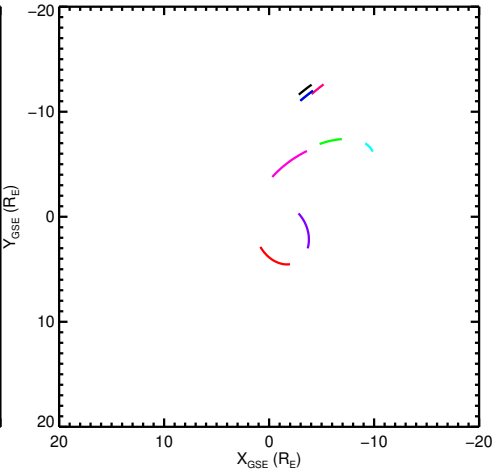


(c) 0750UT to 1005UT
ade adw bks cly cvw fhw hok kod ksr

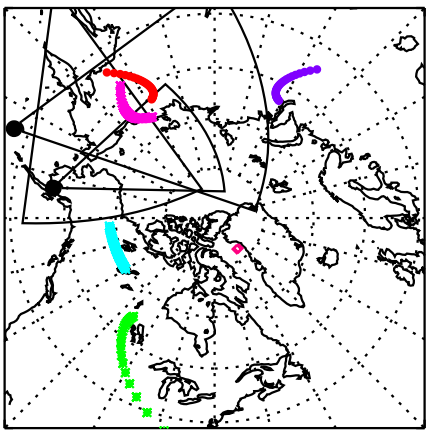


sps unw

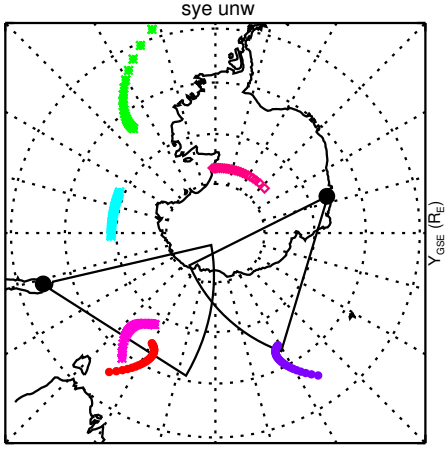


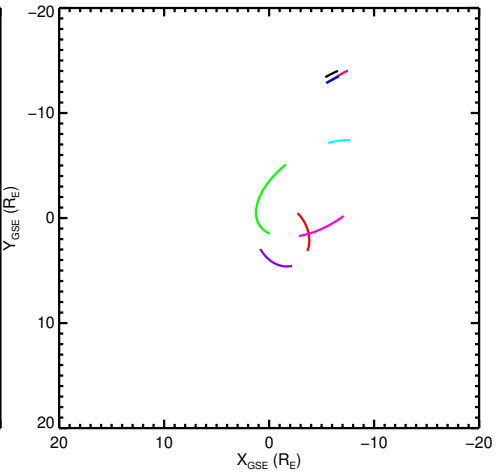


(d) 1215UT to 1445UT
adw hok ksr

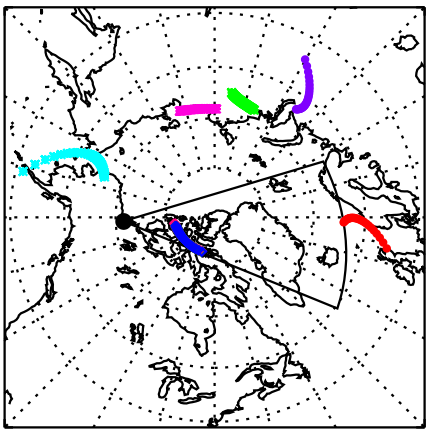


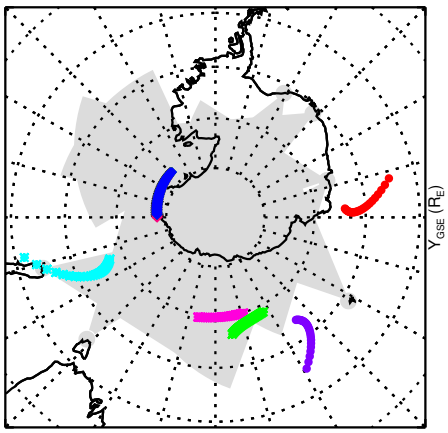
sye unw

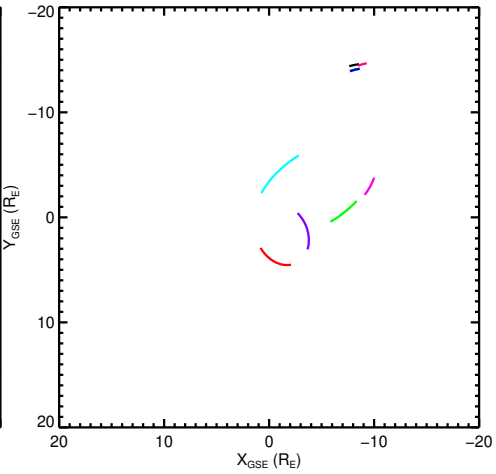




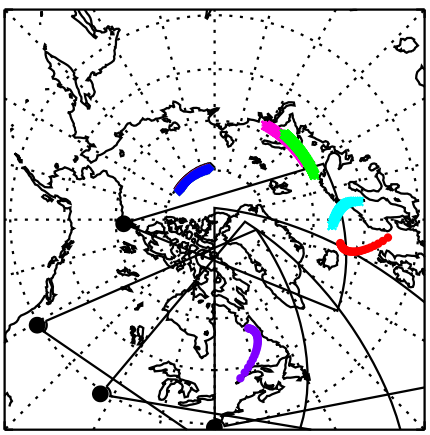
(e) 1650UT to 1910UT
inv

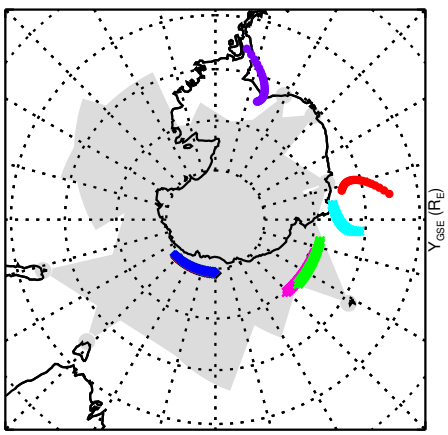


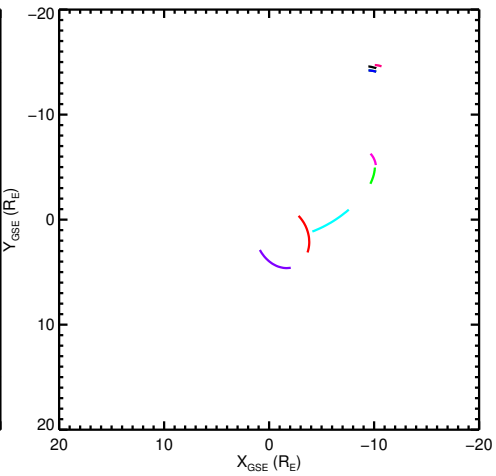




(f) 2115UT to 2340UT
cve fhe inv wal



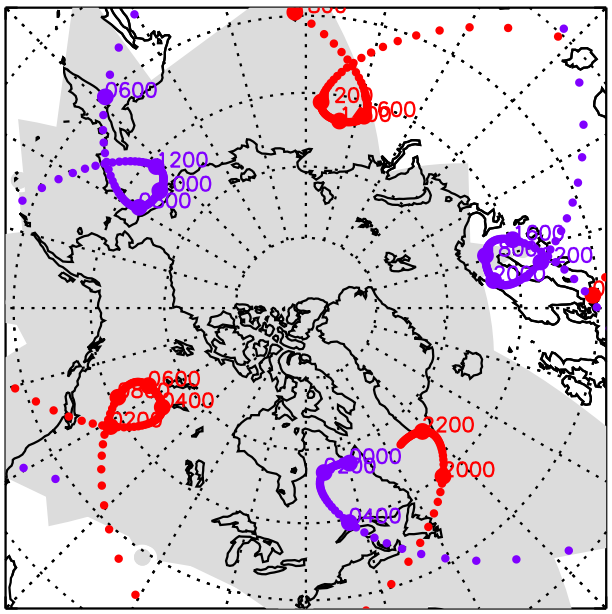


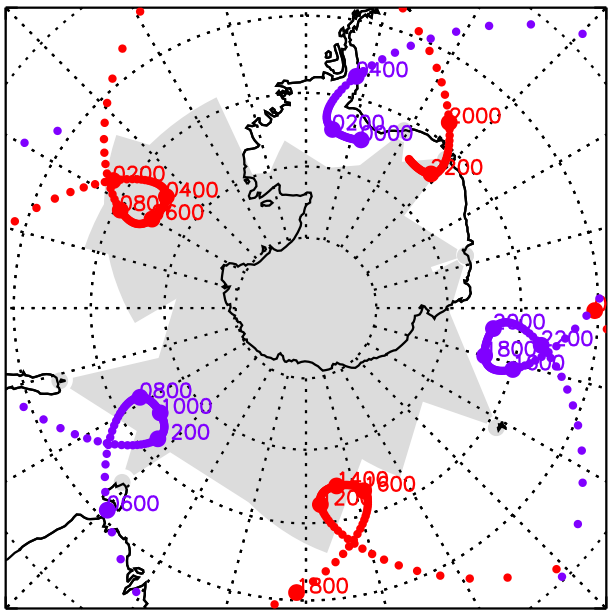


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

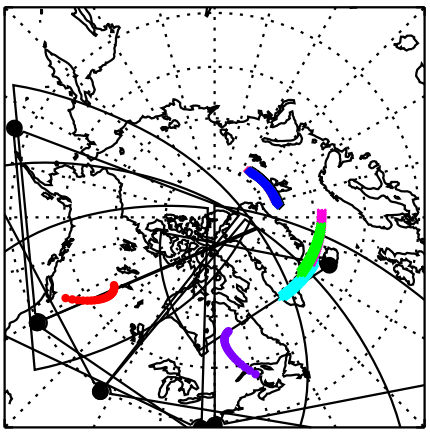
08–Jul–2013

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

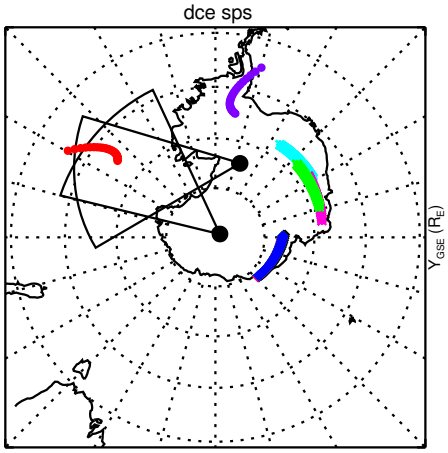


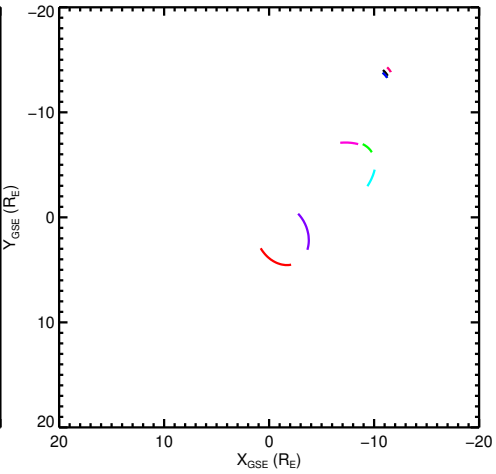


(a) 0150UT to 0410UT
ade bks cve cvw fhe fhw sto wal

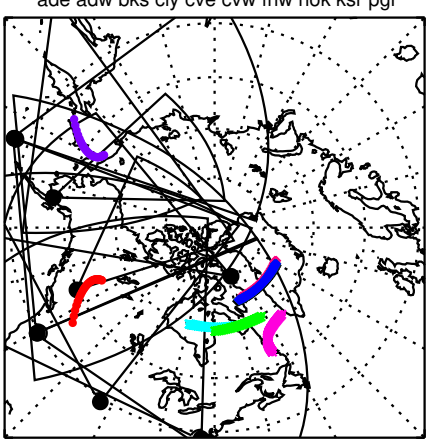


dce sps

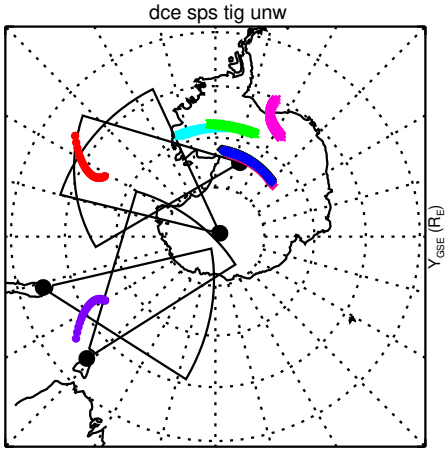


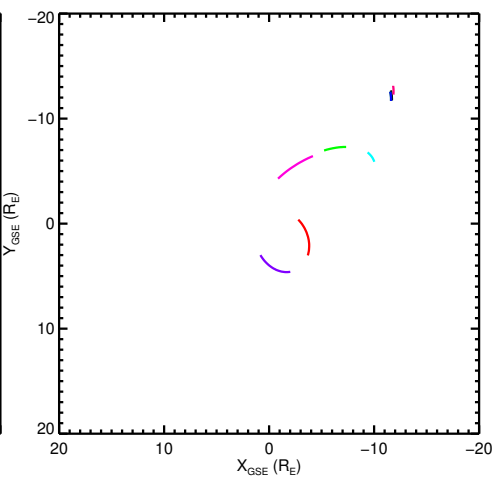


(b) 0620UT to 0840UT
ade adw bks cly cve cvw fhw hok ksr pgr

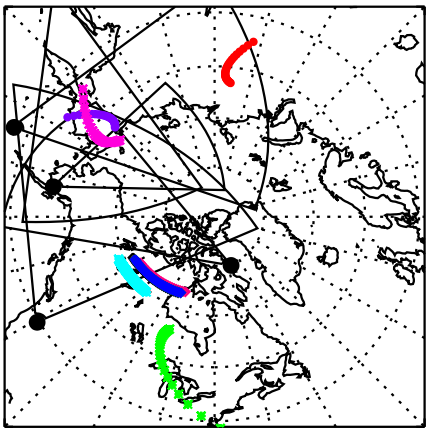


dce sps tig unw

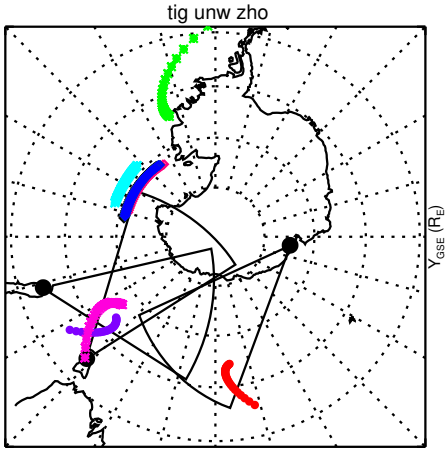


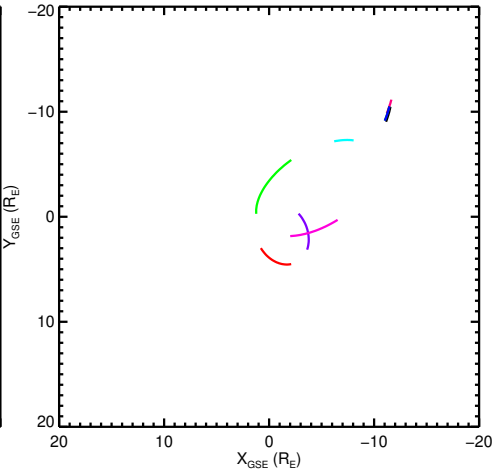


(c) 1050UT to 1310UT
adw cly cvw hok ksr

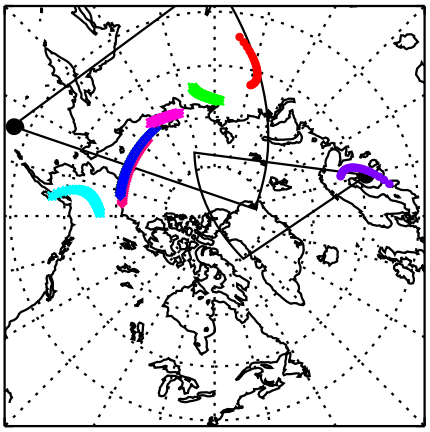


tig unw zho

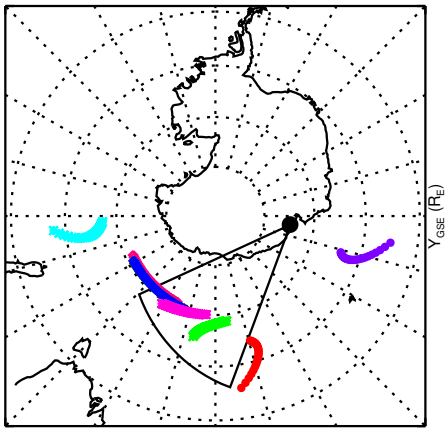


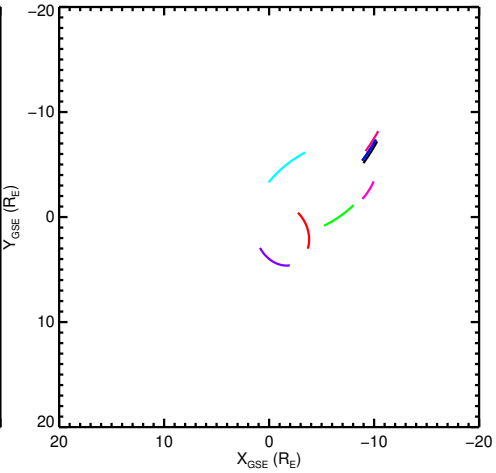


(d) 1520UT to 1740UT
adw han

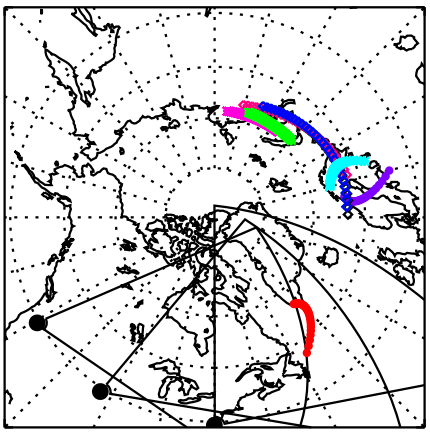


zho

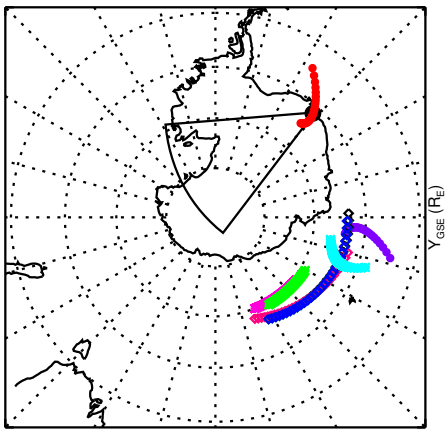


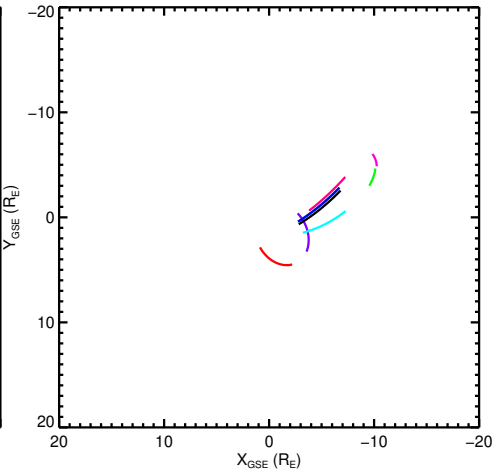


(e) 1945UT to 2215UT
cve fhe wal



san

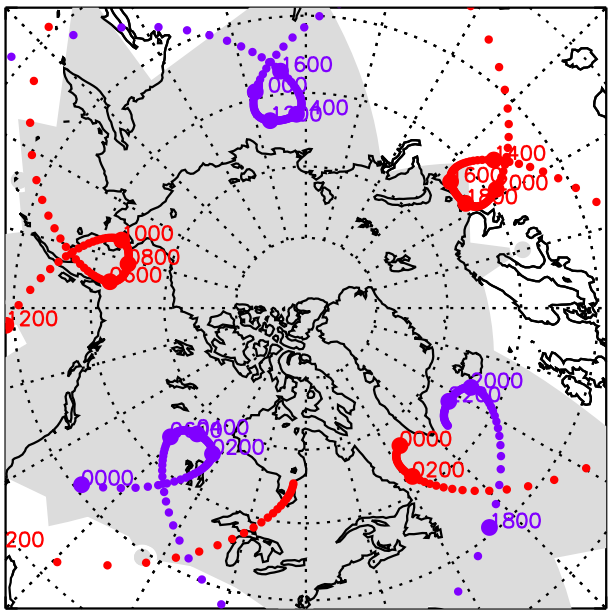


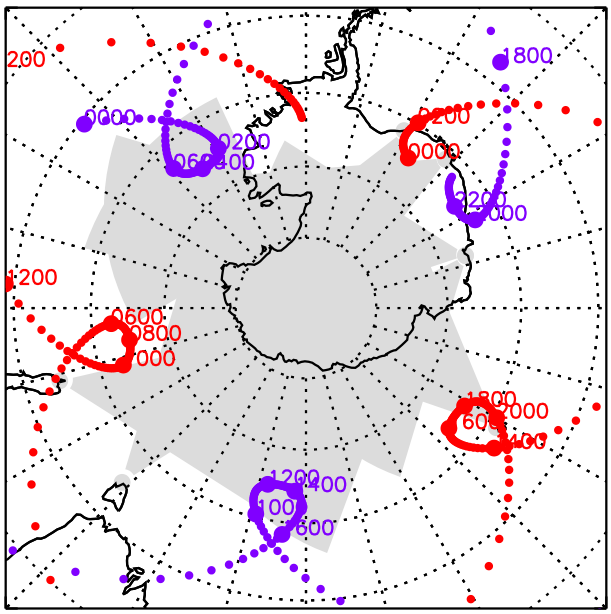


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

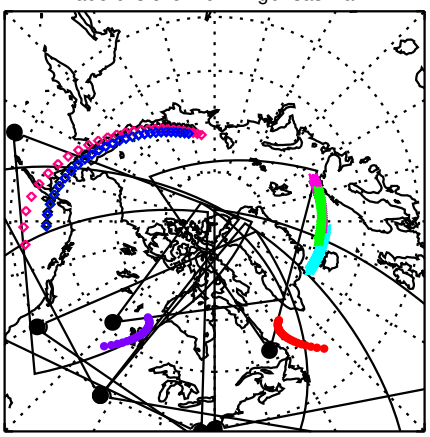
09–Jul–2013

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

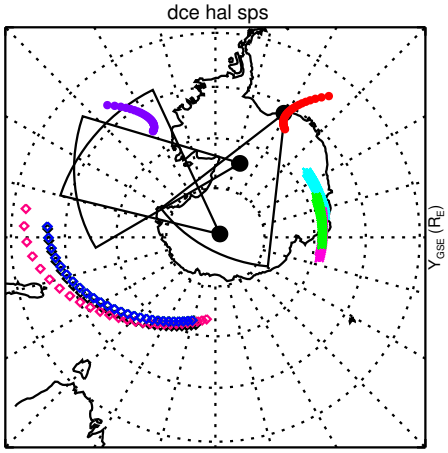


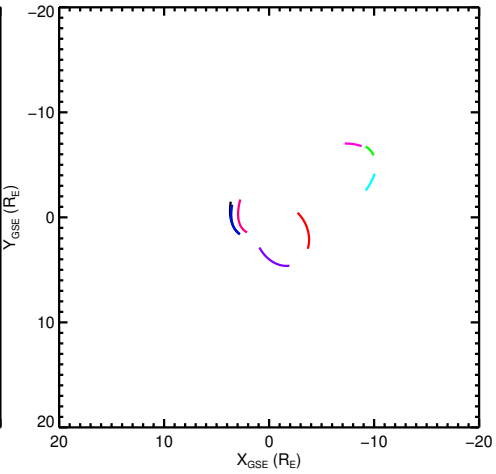


(a) 0020UT to 0240UT
ade bks cve fhe fhw gbr sas wal

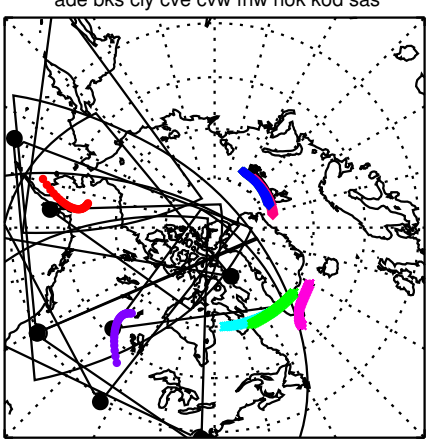


dce hal sps

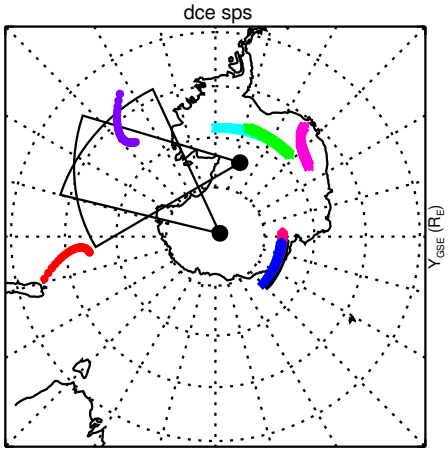


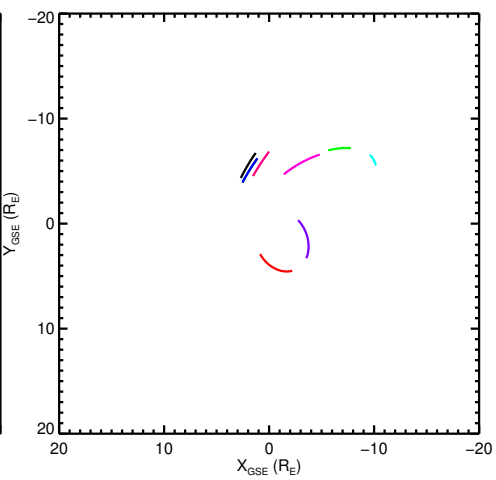


(b) 0445UT to 0715UT
ade bks cly cve cvw fhw hok kod sas

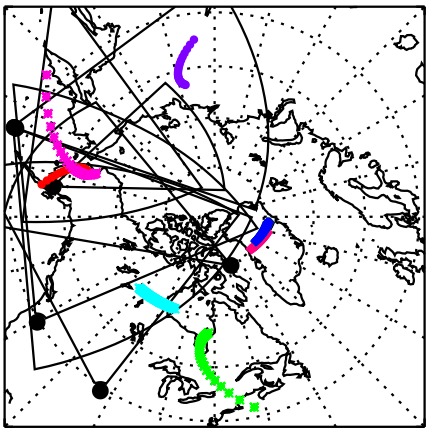


dce sps

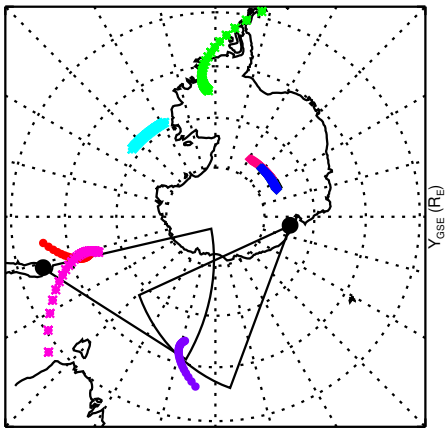


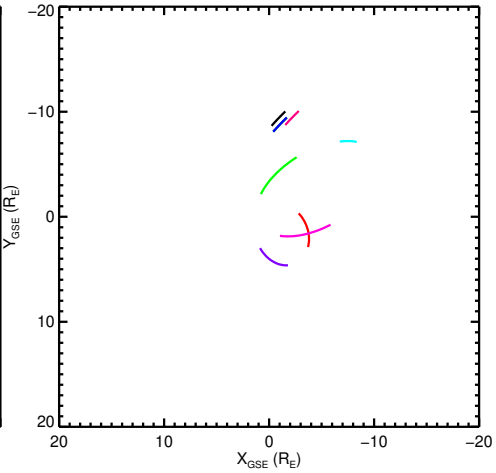


(c) 0925UT to 1135UT
ade adw cly cvw fhw hok ksr

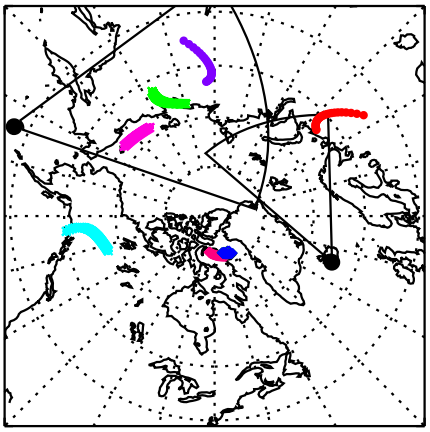


unw zho

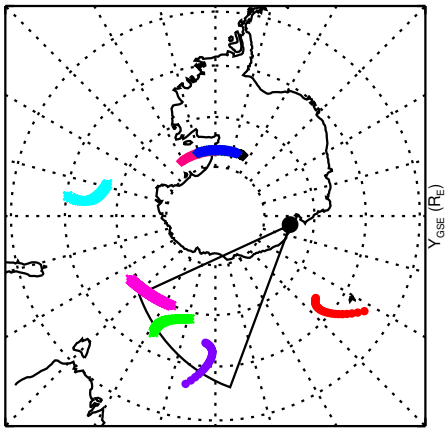


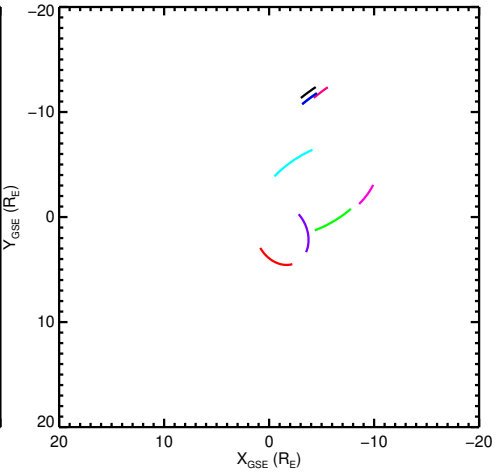


(d) 1345UT to 1615UT
adw pyk

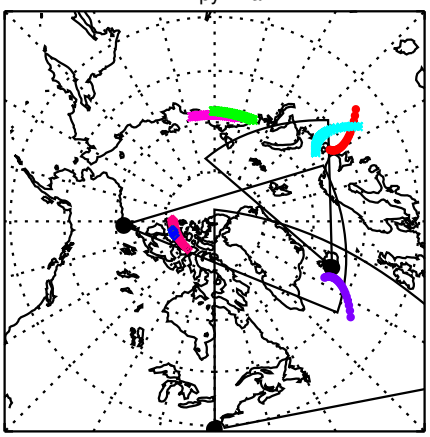


zho

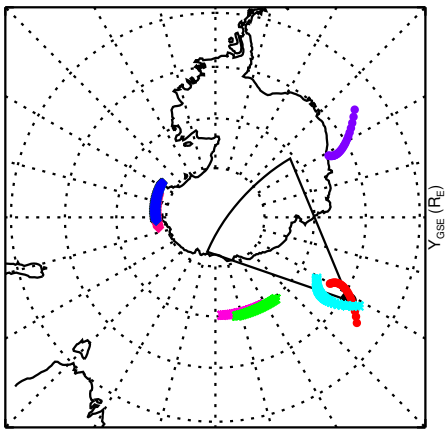


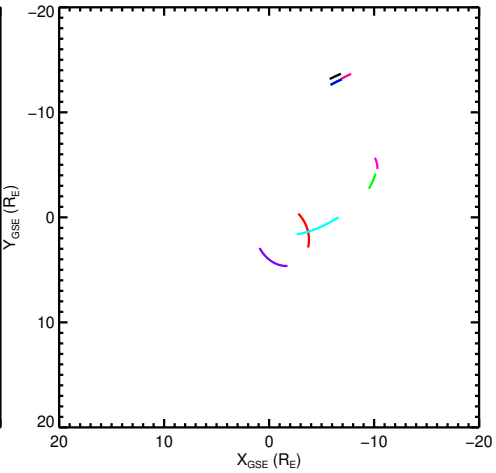


(e) 1825UT to 2035UT
inv pyk wal

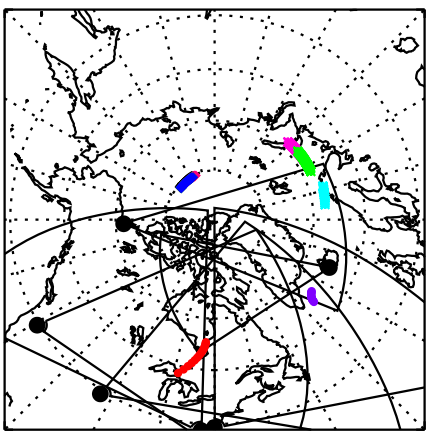


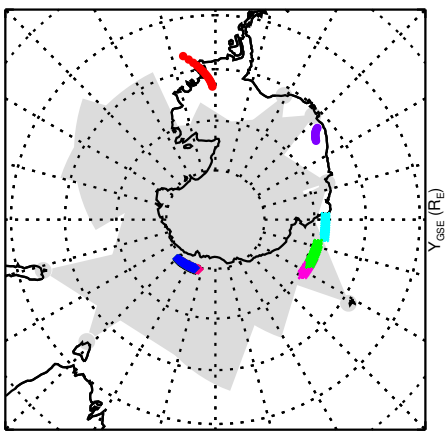
ker

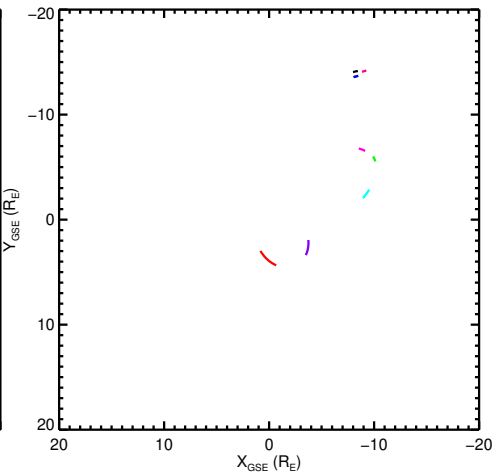




(f) 2245UT to 2355UT
bks cve fhe inv sto wal



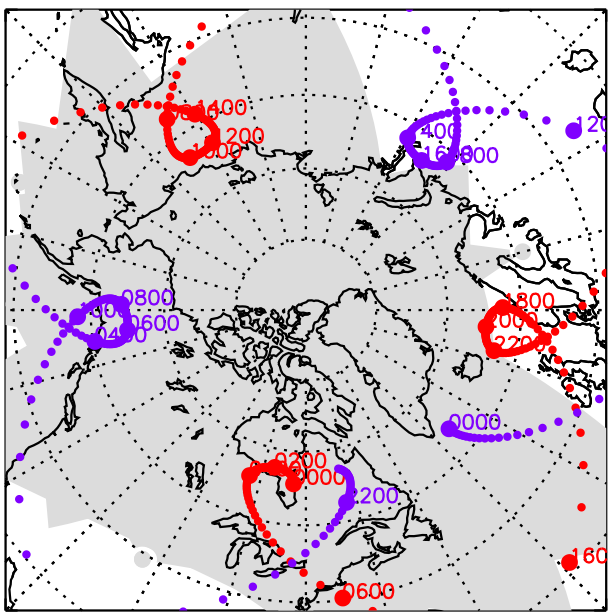


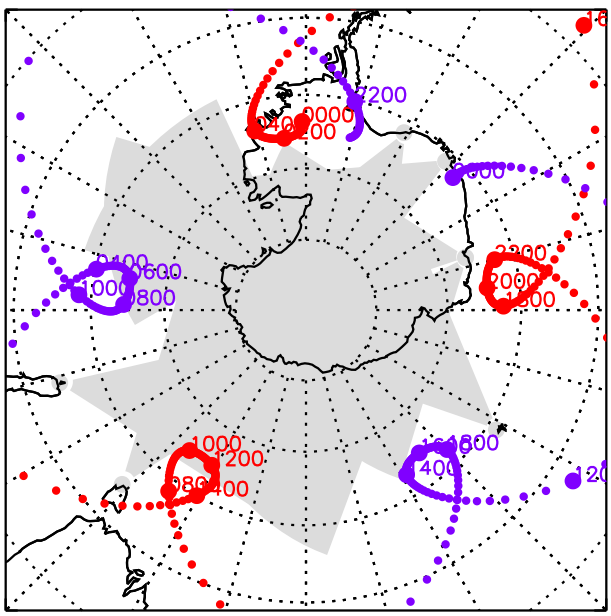


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

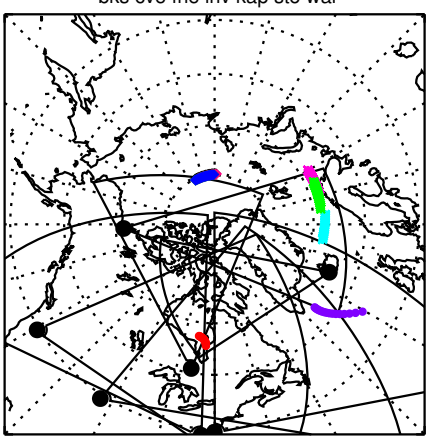
10–Jul–2013

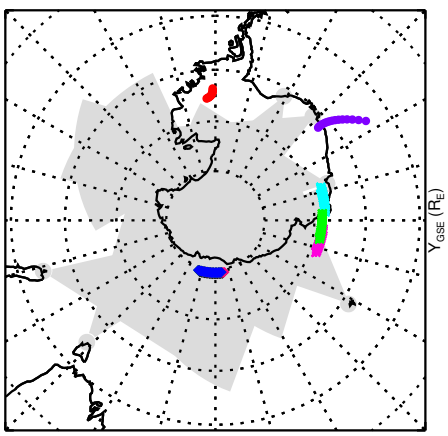
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

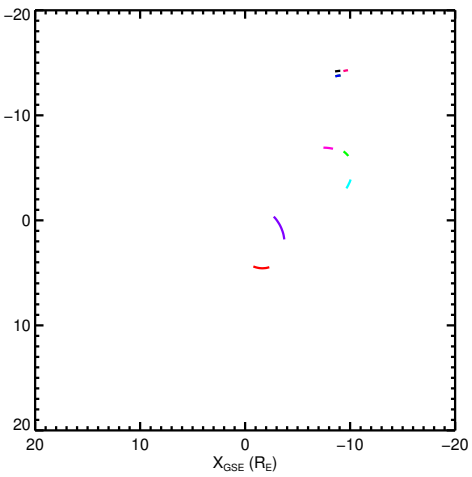




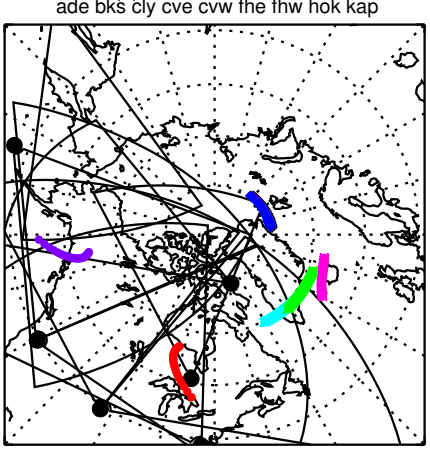
(a) 0000UT to 0120UT
bks cve fhe inv kap sto wal



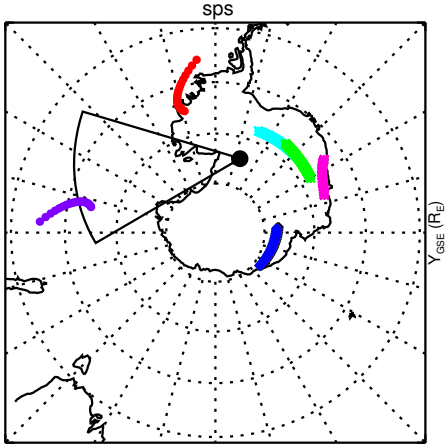


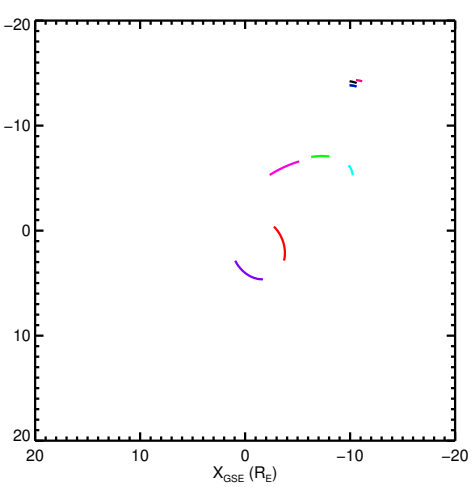


(b) 0325UT to 0535UT
ade bks cly cve cvw fhe fhw hok kap

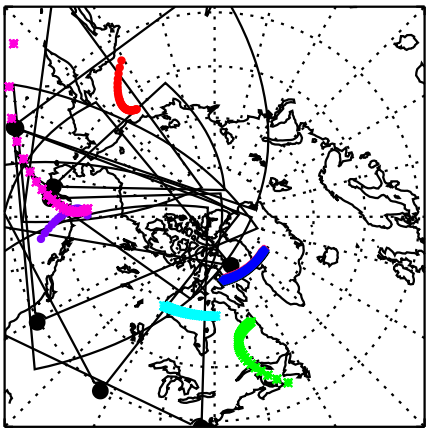


sps

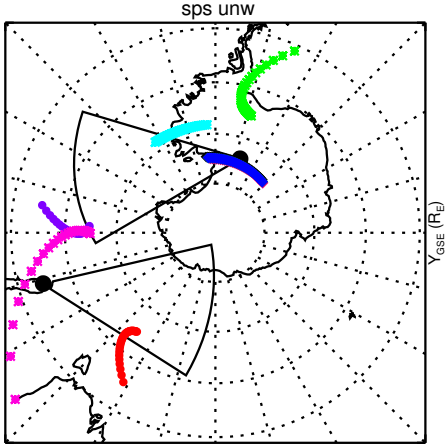


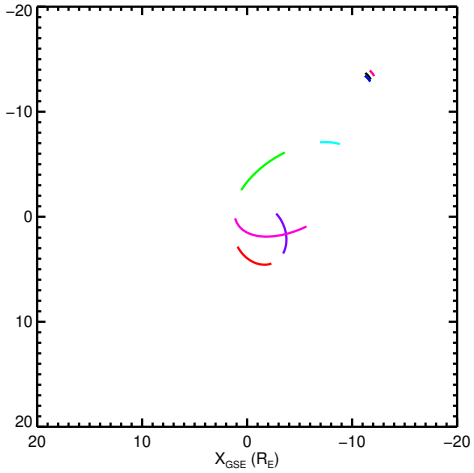


(c) 0740UT to 1020UT
ade adw bks cly cvw fhw hok kod ksr

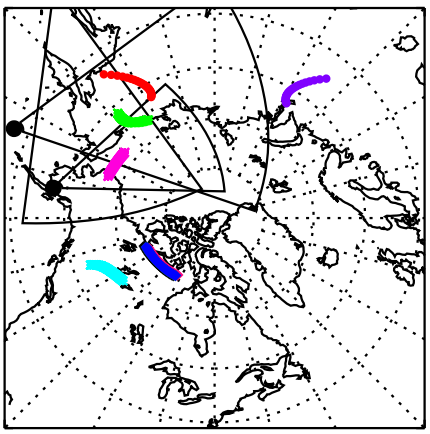


sps unw

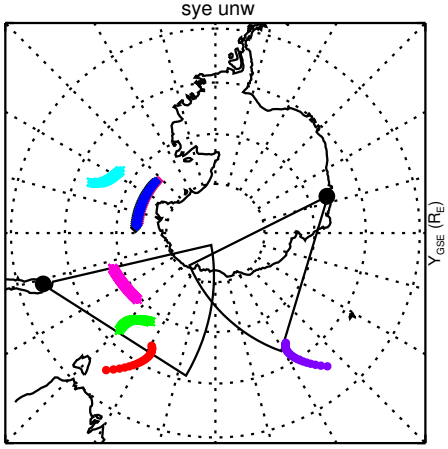


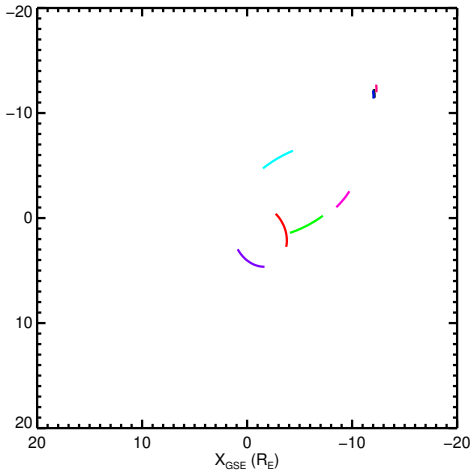


(d) 1230UT to 1435UT
adw hok ksr

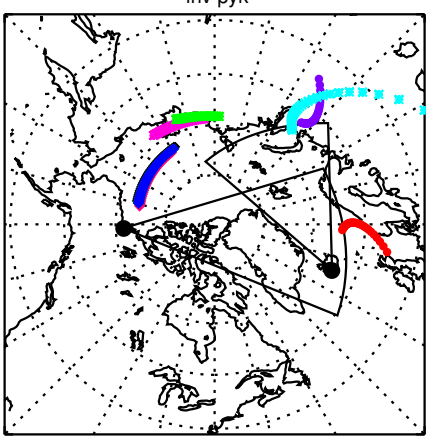


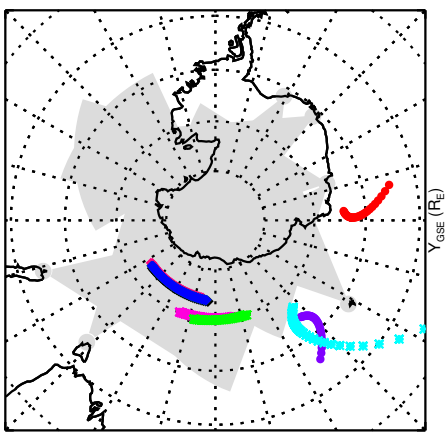
sye unw

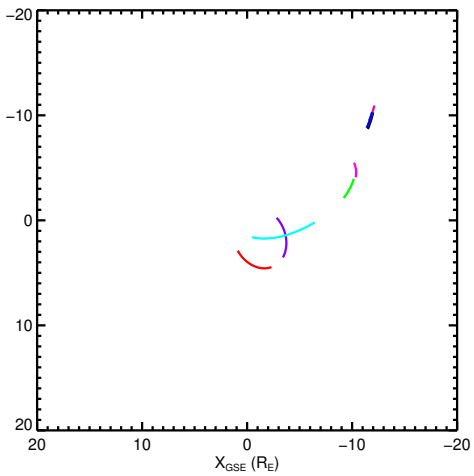




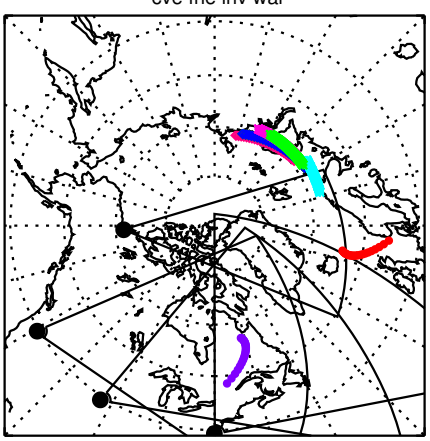
(e) 1640UT to 1920UT
inv pyk

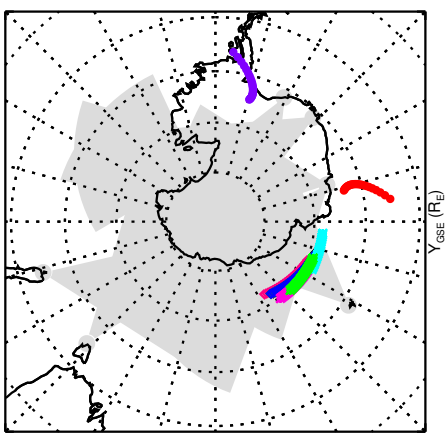


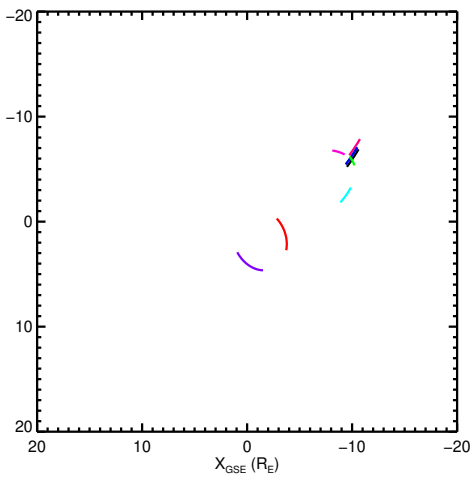




(f) 2130UT to 2330UT
cve fhe inv wal



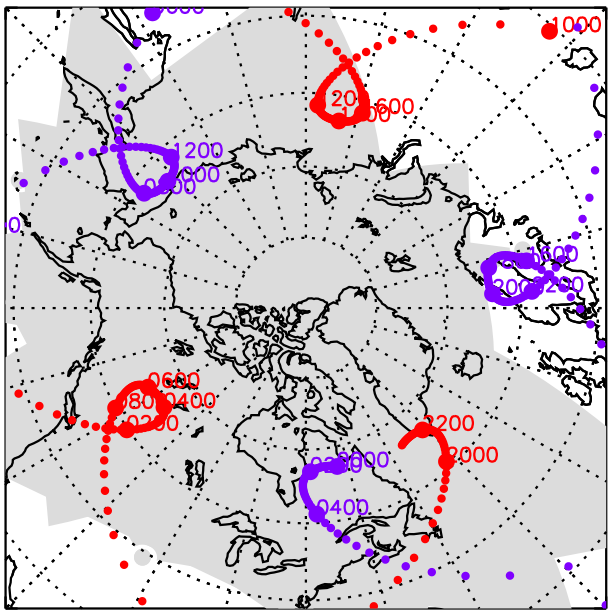


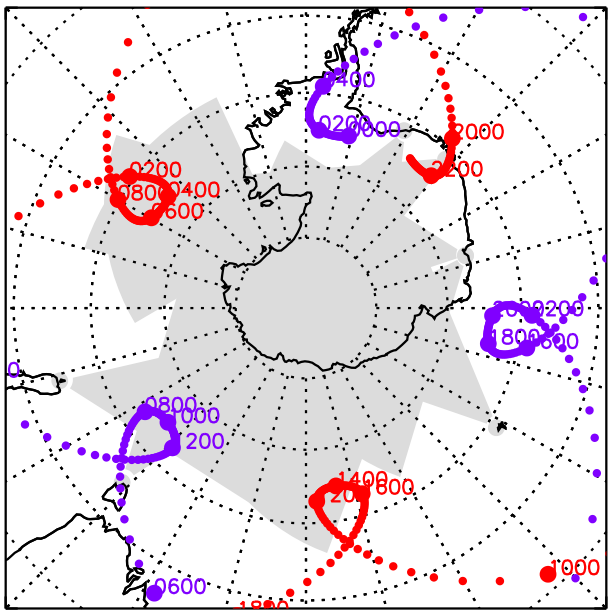


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

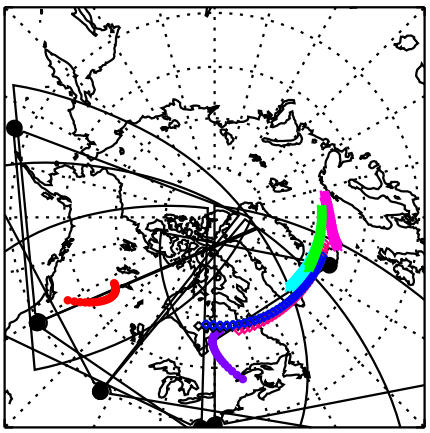
11–Jul–2013

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

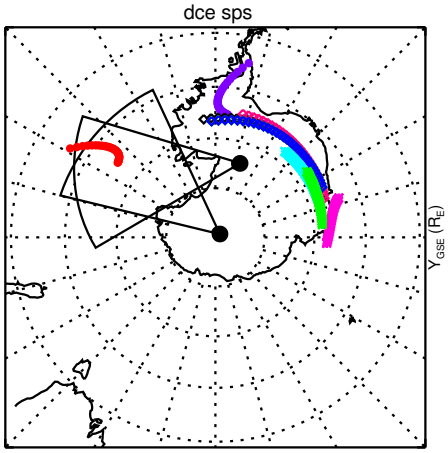


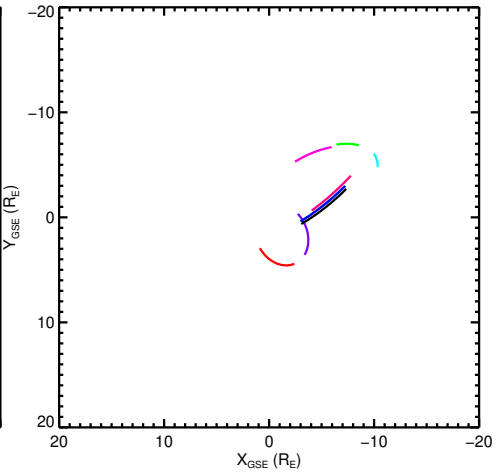


(a) 0140UT to 0425UT
ade bks cve cvw fhe fhw sto wal

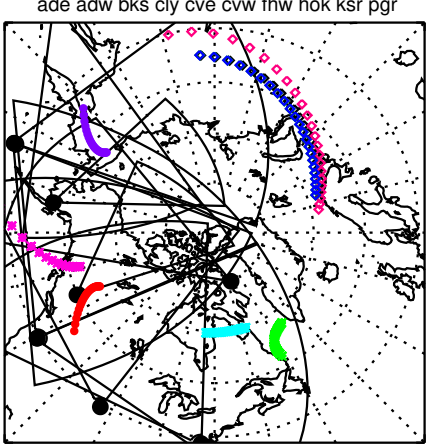


dce sps

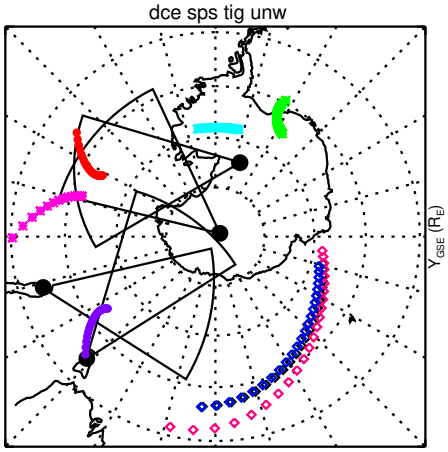


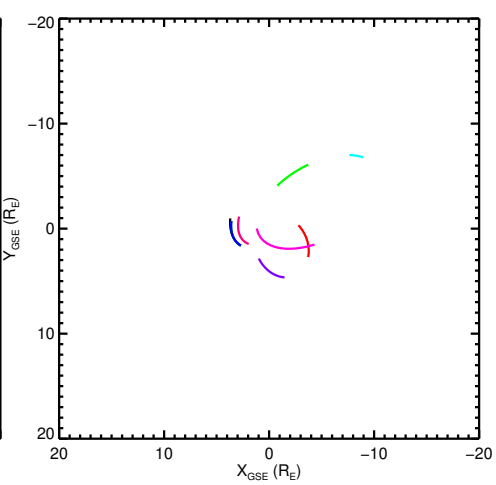


(b) 0630UT to 0830UT
ade adw bks cly cve cvw fhw hok ksr pgr

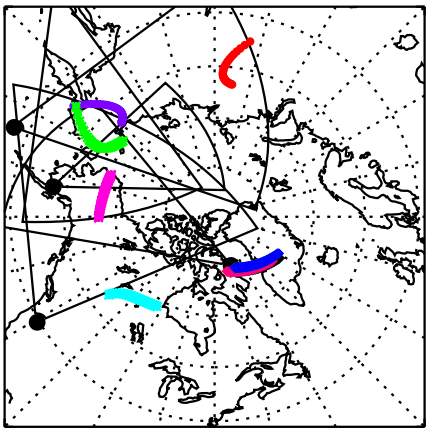


dce sps tig unw

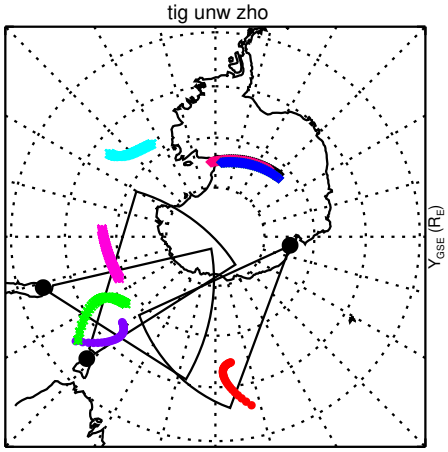


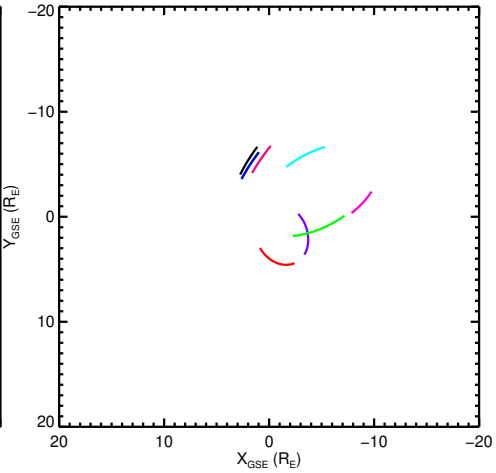


(c) 1040UT to 1325UT
adw cly cvw hok ksr

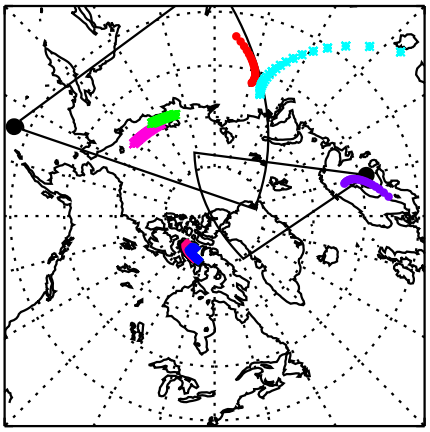


tig unw zho

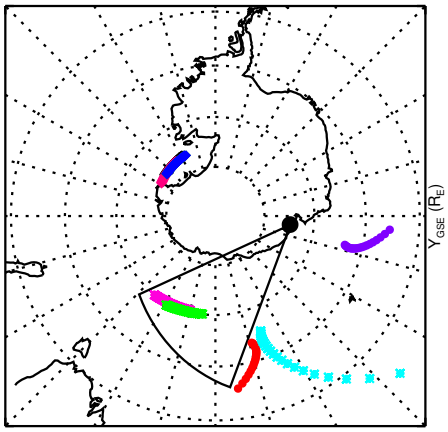


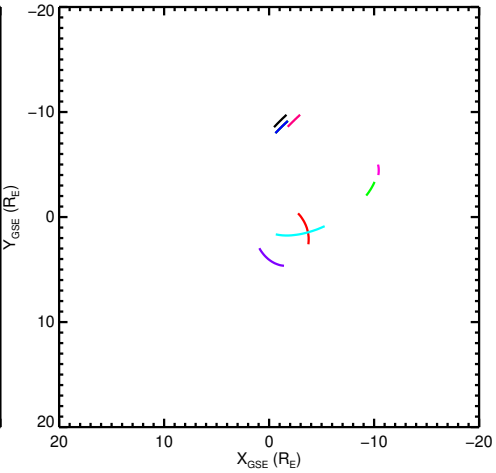


(d) 1535UT to 1730UT
adw han

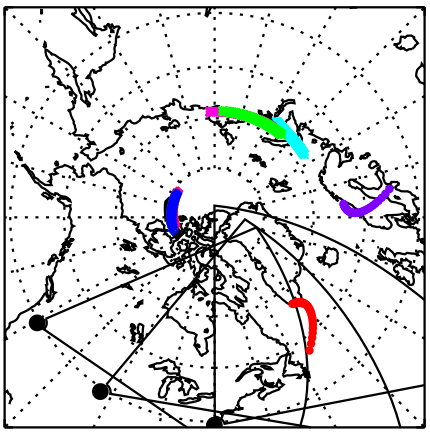


zho

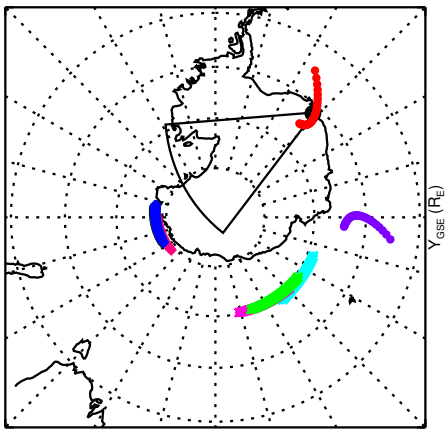


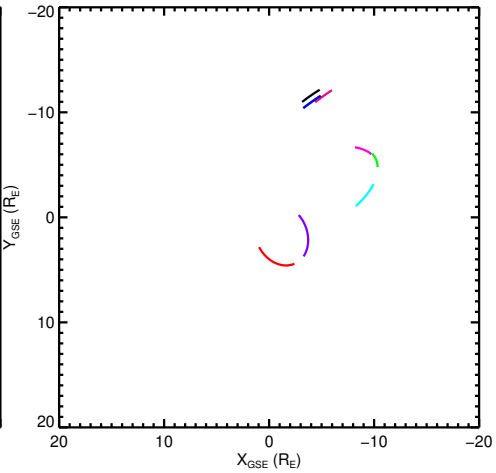


(e) 1935UT to 2225UT
cve fhe wal



san

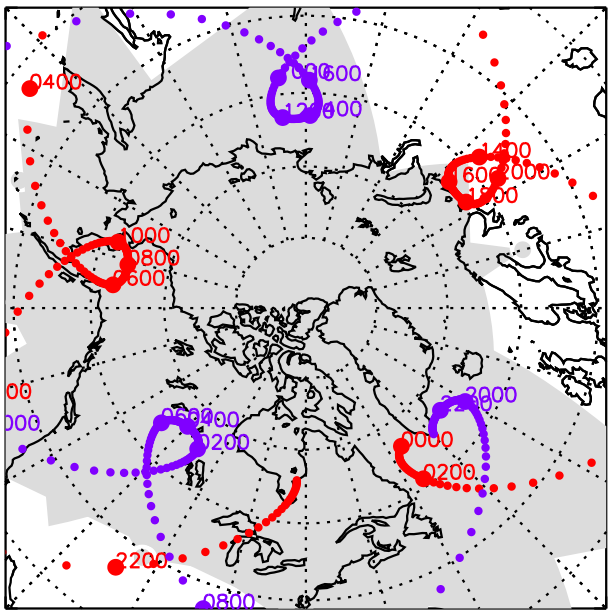


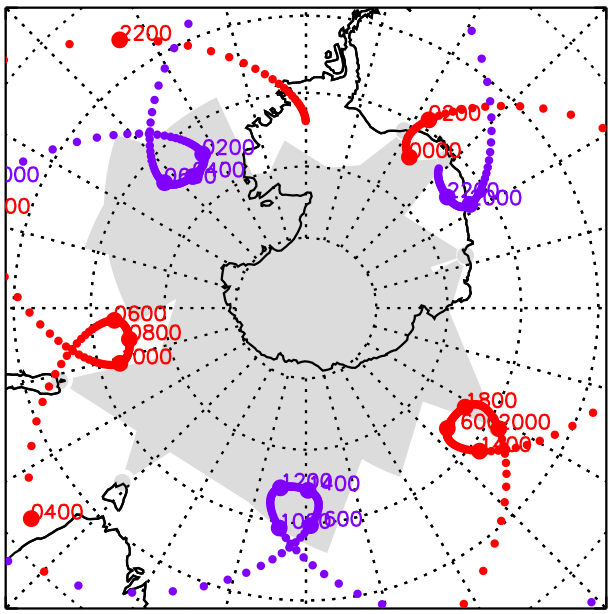


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

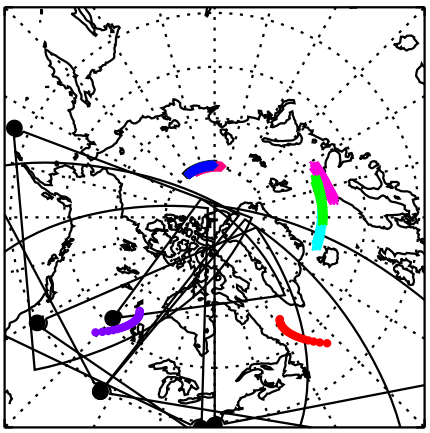
12–Jul–2013

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

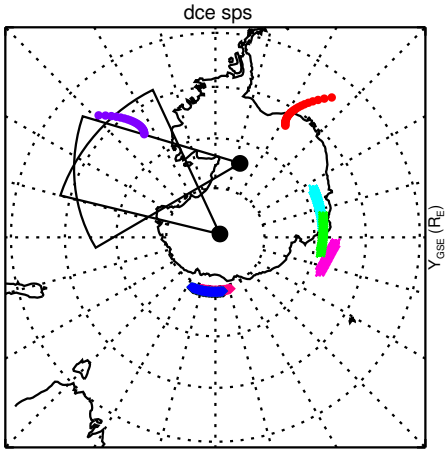


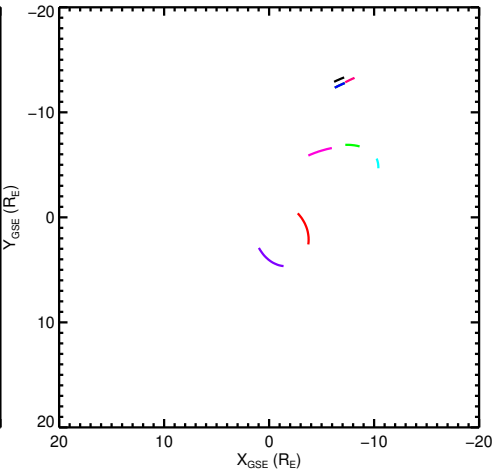


(a) 0035UT to 0230UT
ade bks cve fhe fhw sas wal

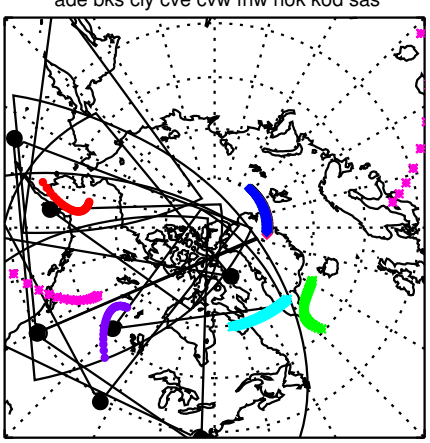


dce sps

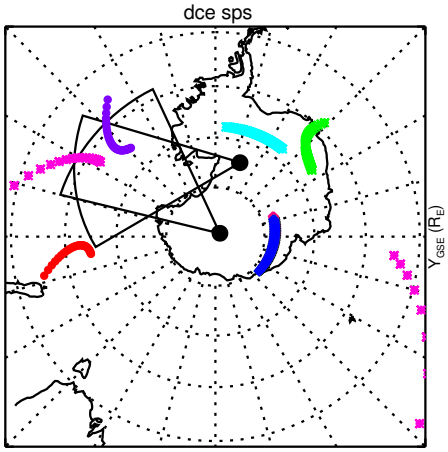


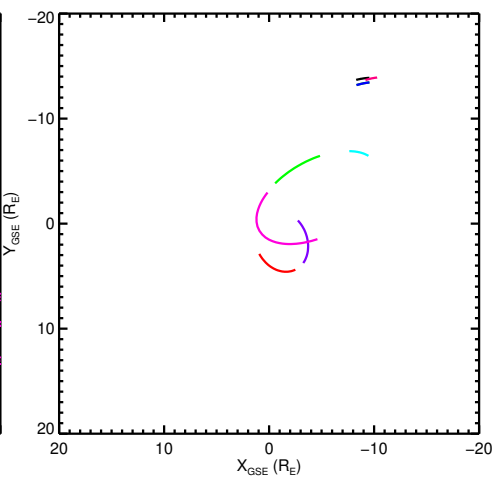


(b) 0435UT to 0730UT
ade bks cly cve cvw fhw hok kod sas

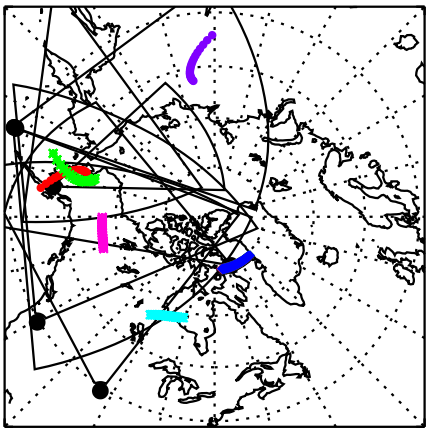


dce sps

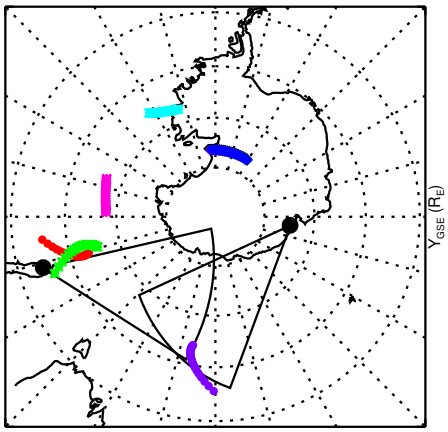


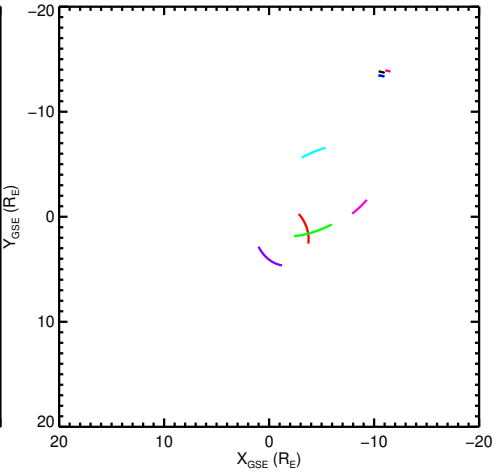


(c) 0935UT to 1125UT
ade adw cly cvw fhw hok ksr

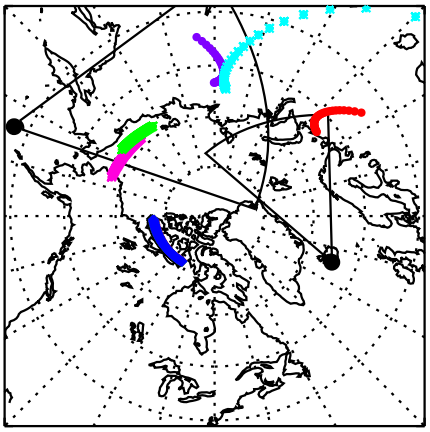


unw zho

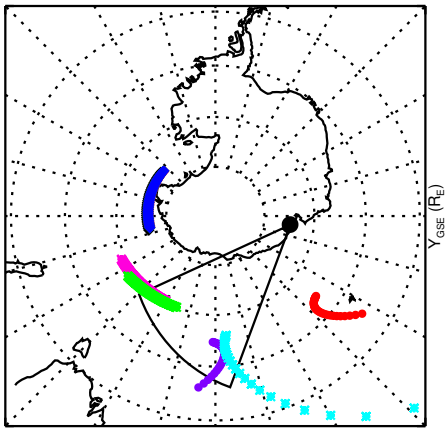


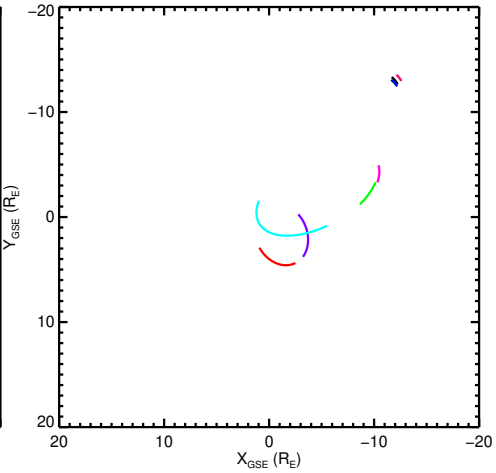


(d) 1335UT to 1630UT
adw pyk

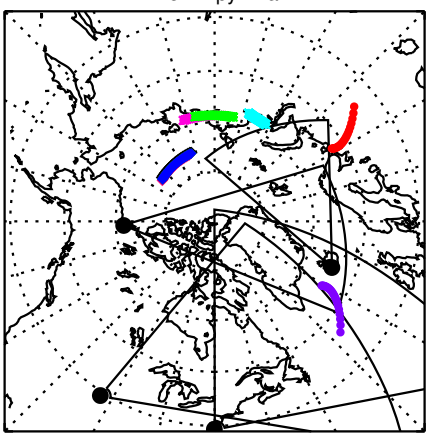


zho

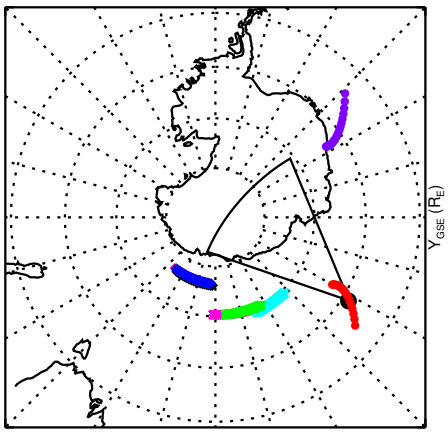


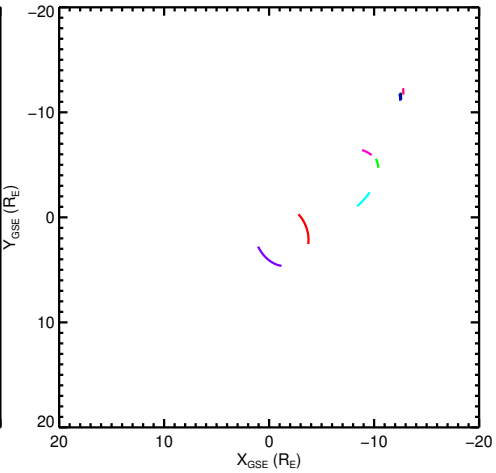


(e) 1835UT to 2025UT
fhe inv pyk wal

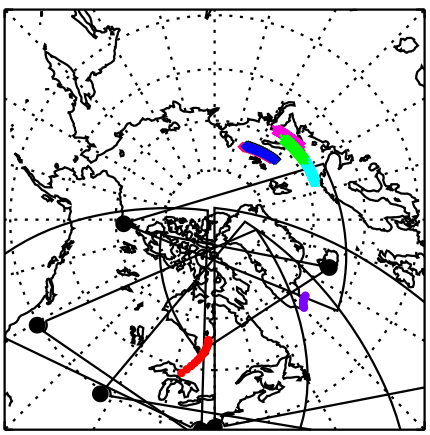


ker

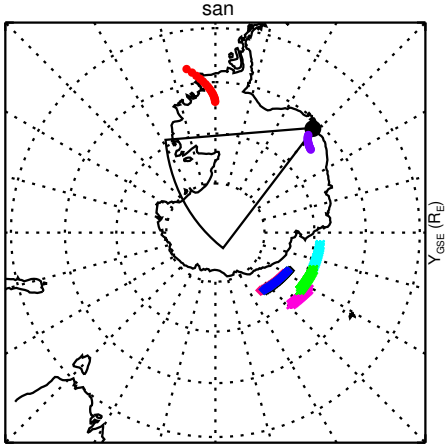


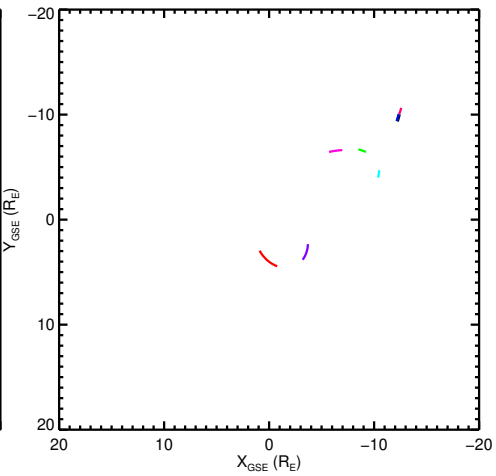


(f) 2235UT to 2355UT
bks cve fhe inv sto wal



san

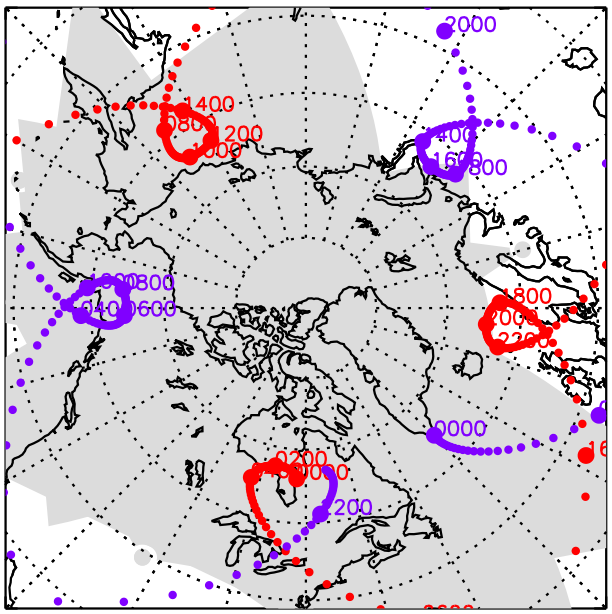


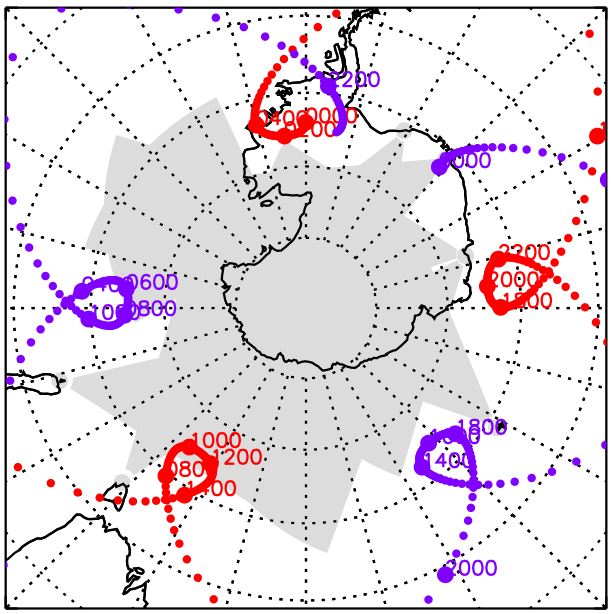


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

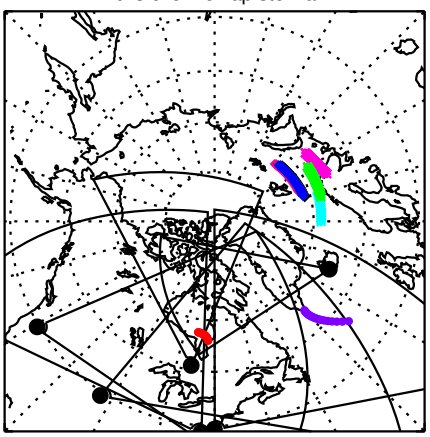
13–Jul–2013

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

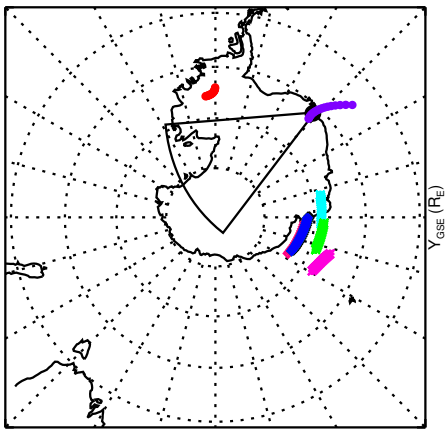


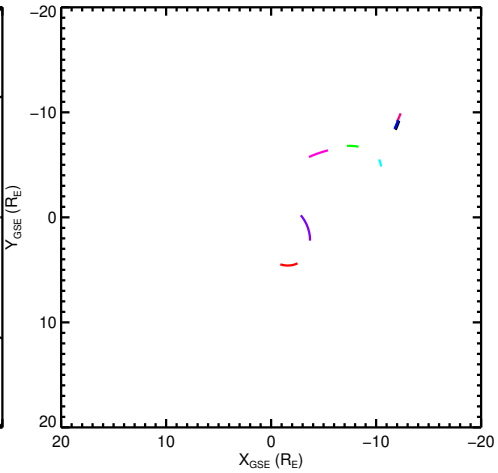


(a) 0000UT to 0130UT
bks cve fhe kap sto wal

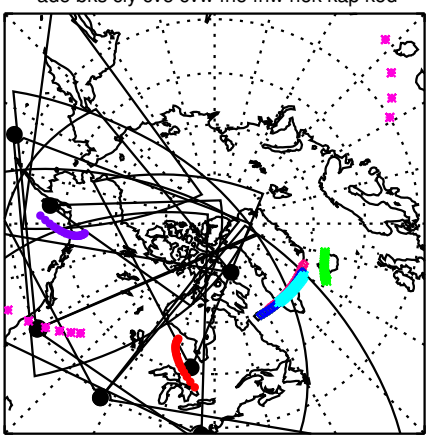


san

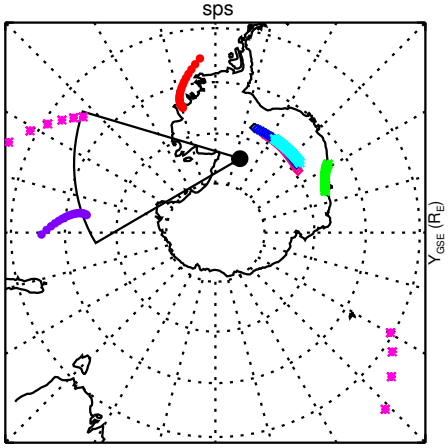


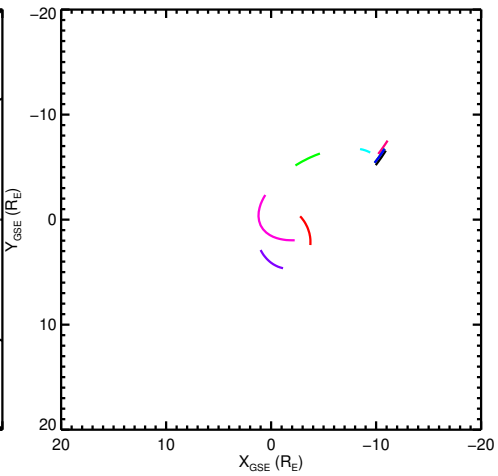


(b) 0340UT to 0525UT
ade bks cly cve cvw fhe fhw hok kap kod

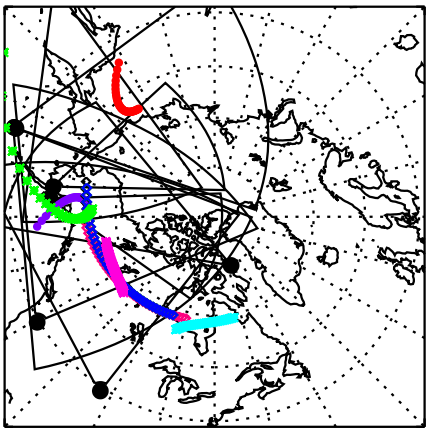


sps

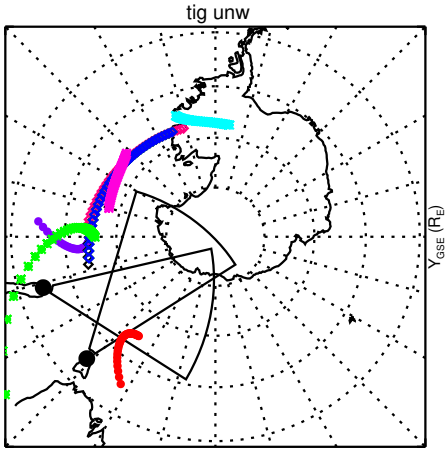


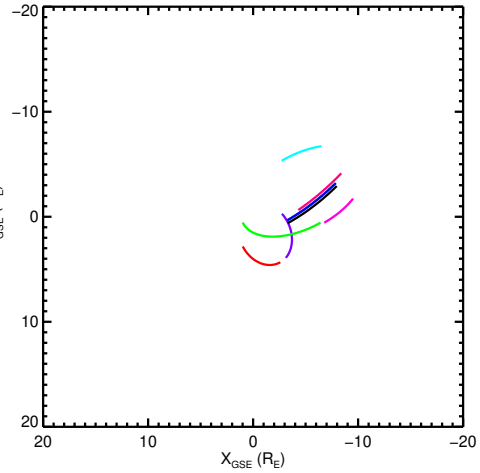


(c) 0730UT to 1035UT
ade adw cly cvw fhw hok kod ksr

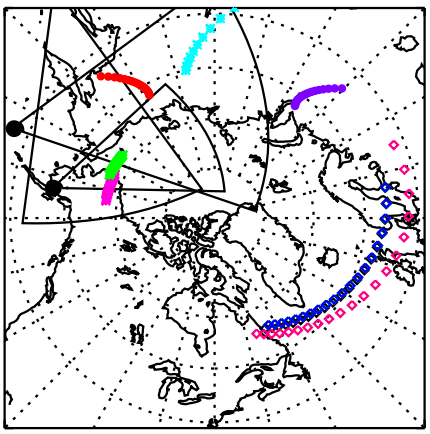


tig unw

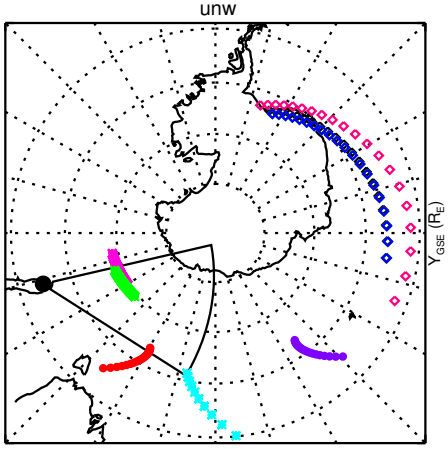


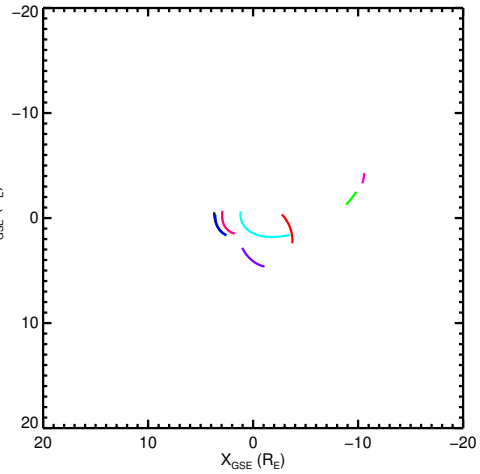


(d) 1240UT to 1425UT
adw hok ksr

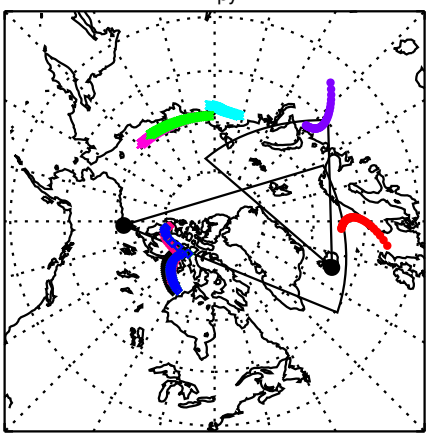


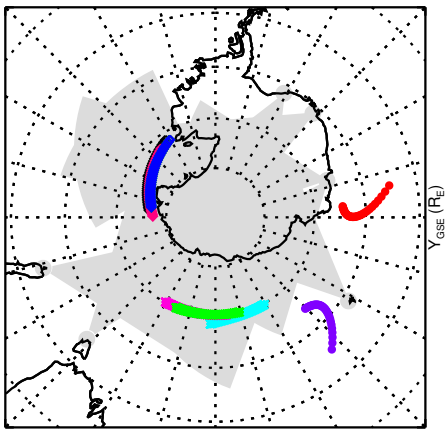
unw

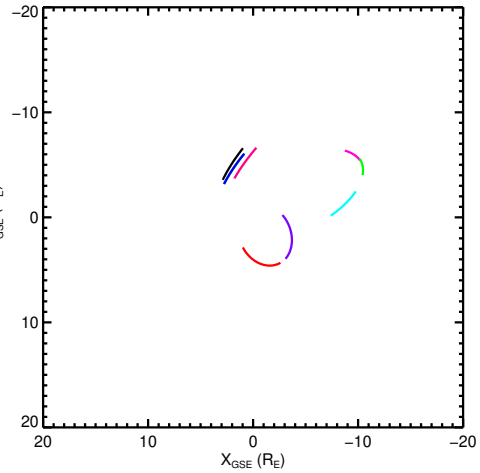




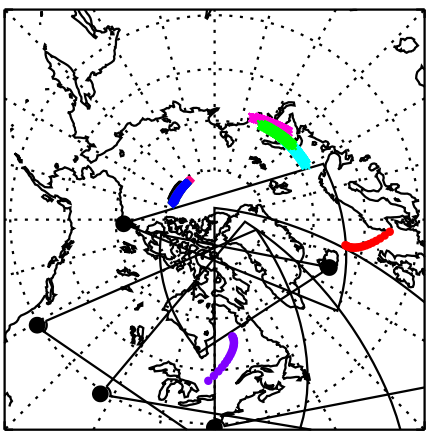
(e) 1630UT to 1935UT
inv pyk

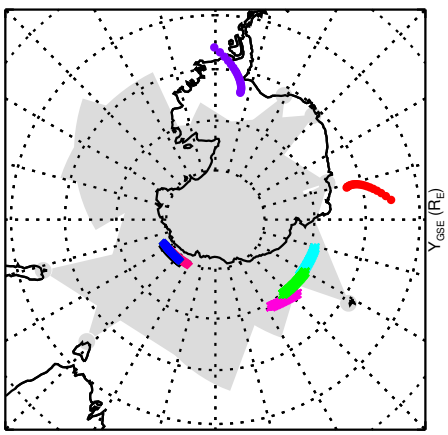


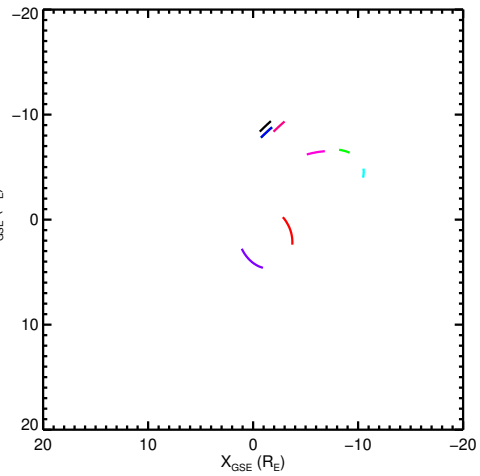




(f) 2140UT to 2320UT
cve fhe inv sto wal



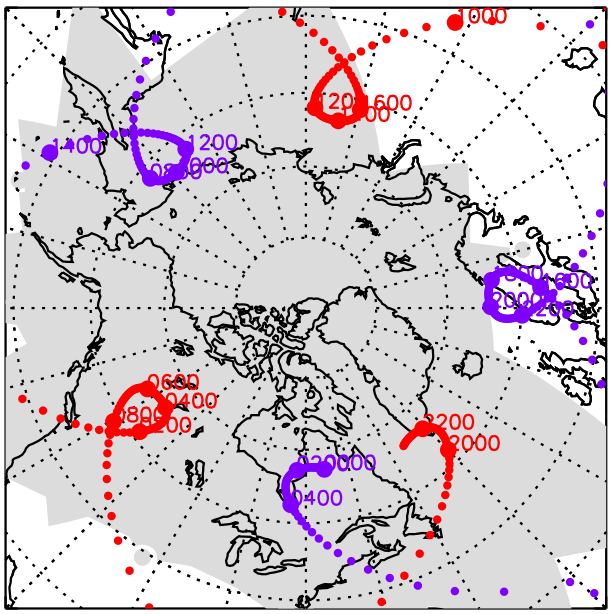


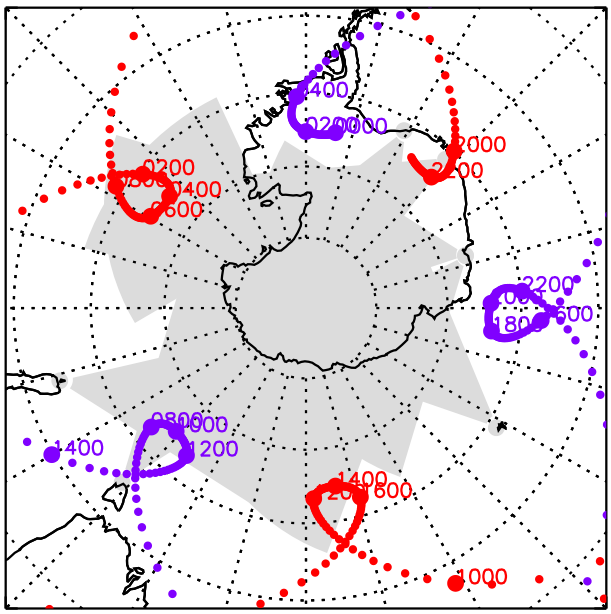


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

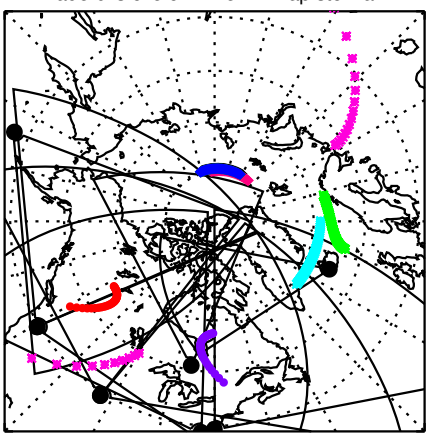
14–Jul–2013

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

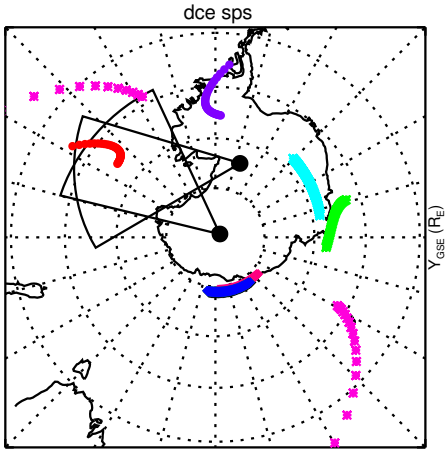


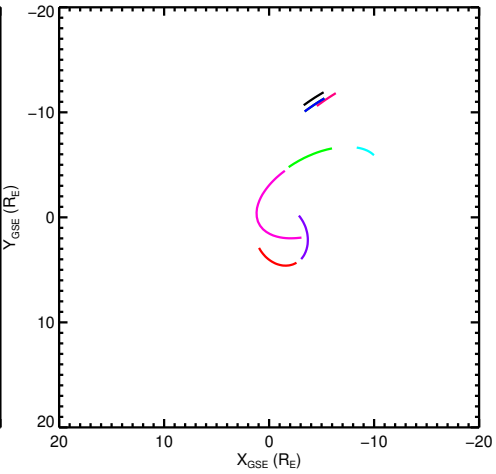


(a) 0130UT to 0435UT
ade bks cve cvw fhe fhw kap sto wal

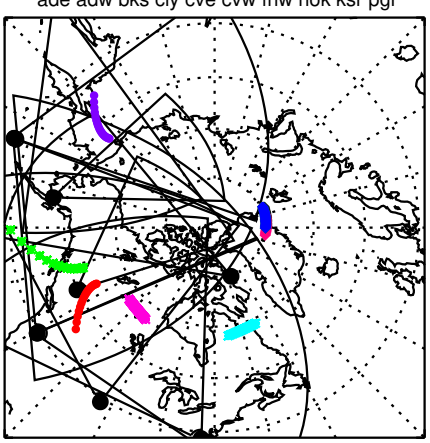


dce sps

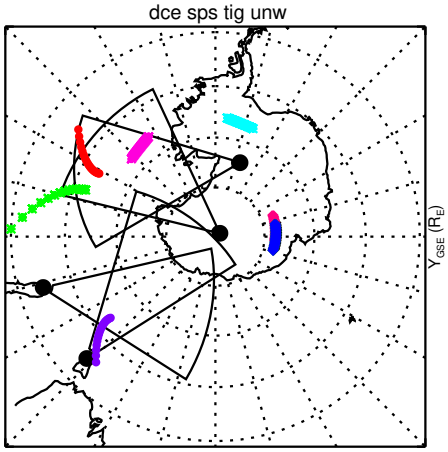


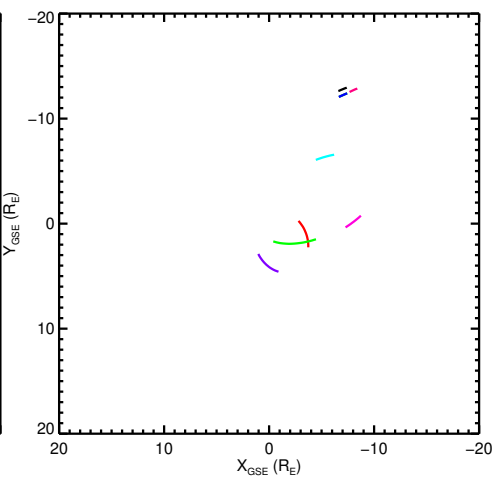


(b) 0645UT to 0820UT
ade adw bks cly cve cvw fhw hok ksr pgr

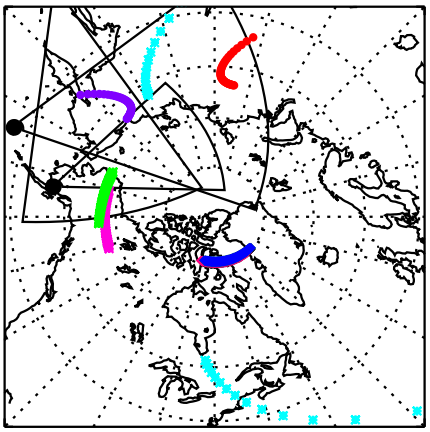


dce sps tig unw

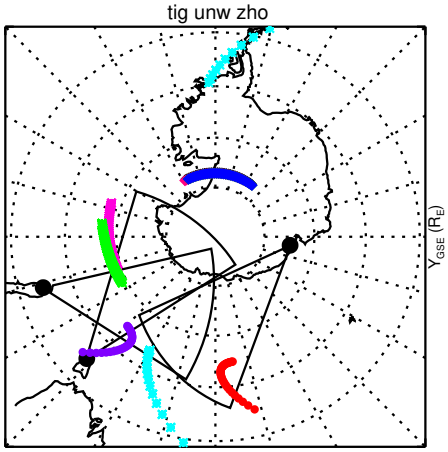


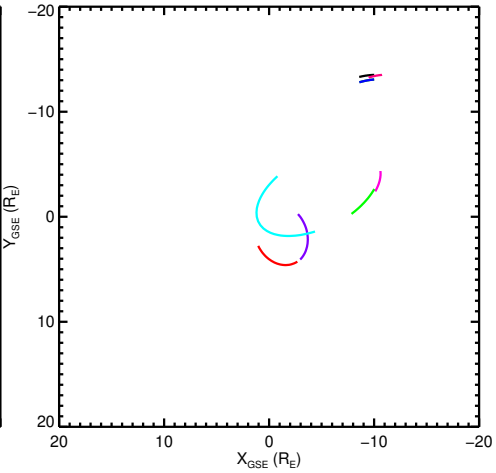


(c) 1025UT to 1340UT
adw hok ksr

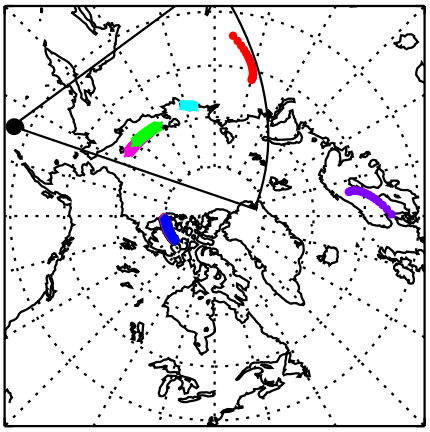


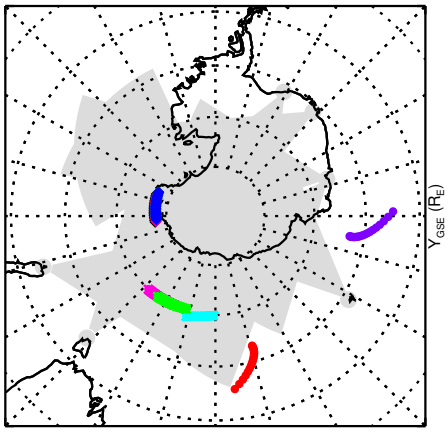
tig unw zho

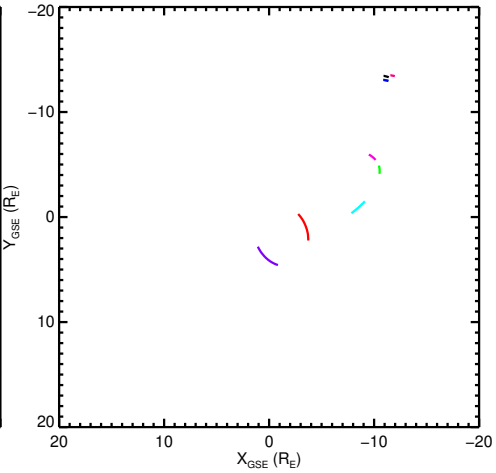




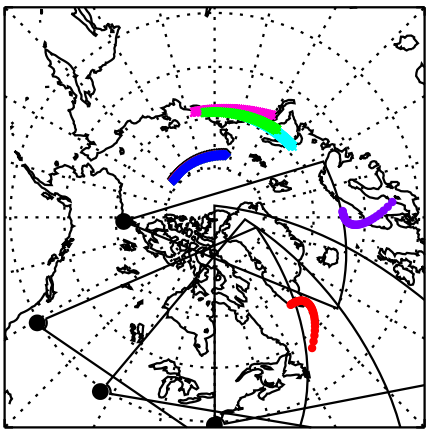
(d) 1545UT to 1720UT
adw



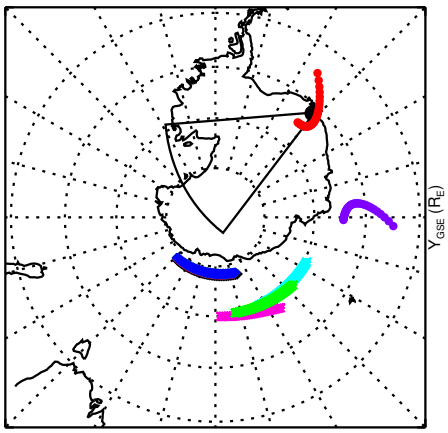


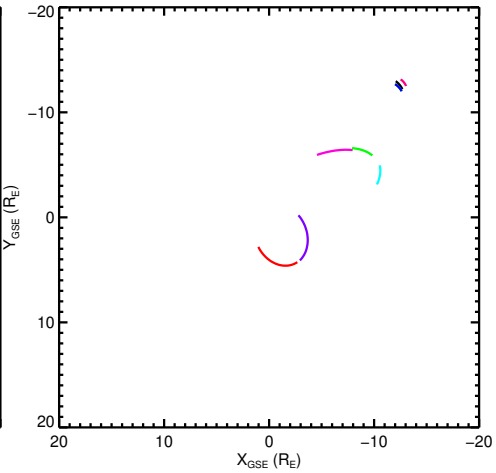


(e) 1925UT to 2240UT
cve fhe inv wal



san

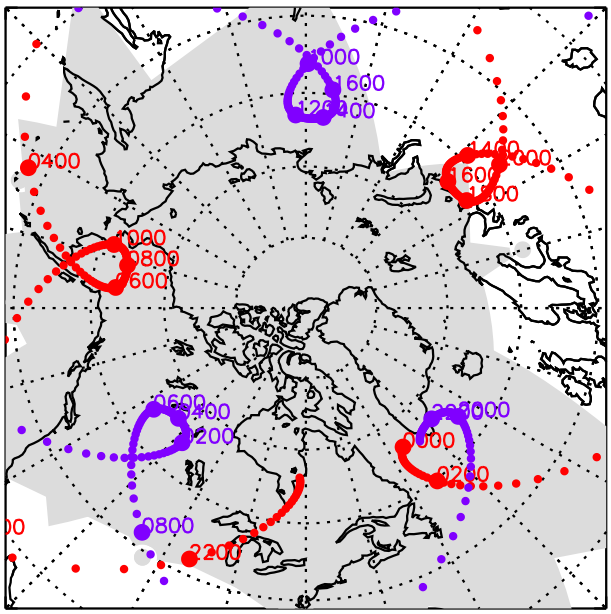


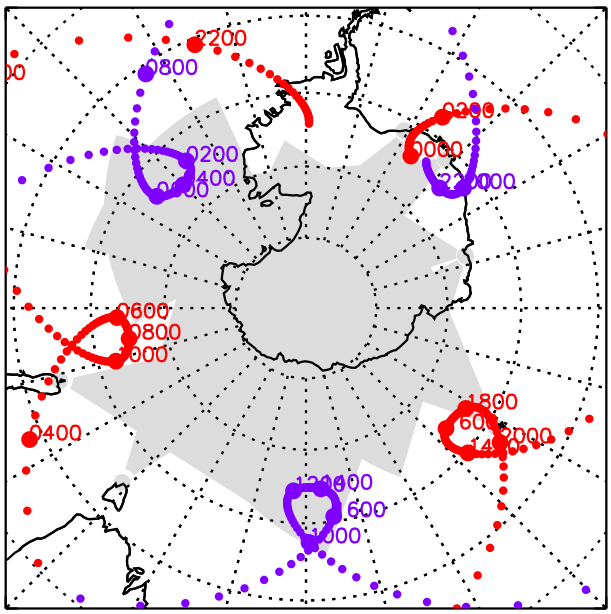


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

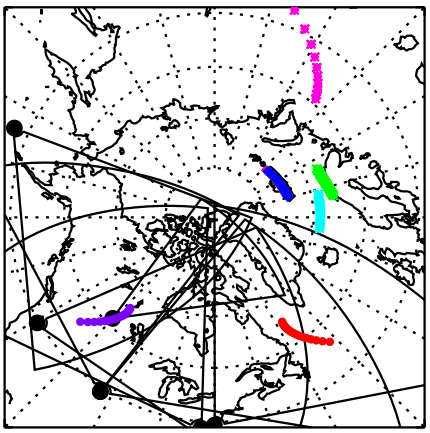
15–Jul–2013

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

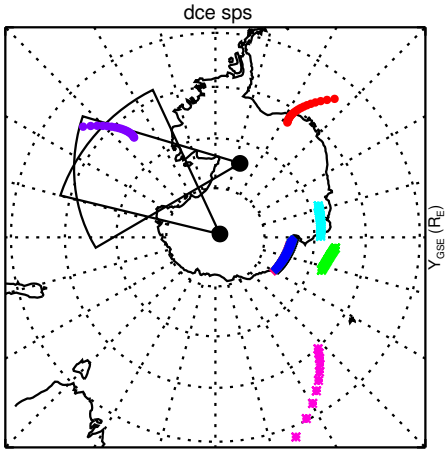


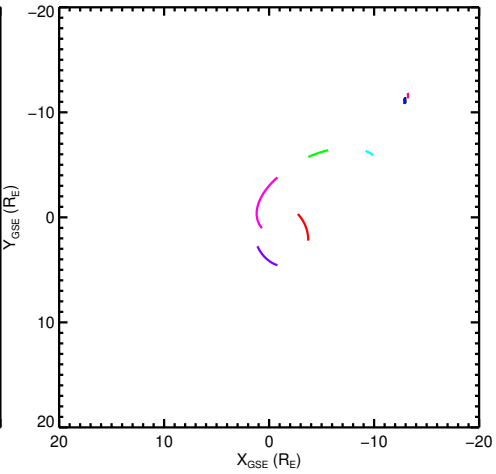


(a) 0045UT to 0220UT
ade bks cve fhe fhw sas wal

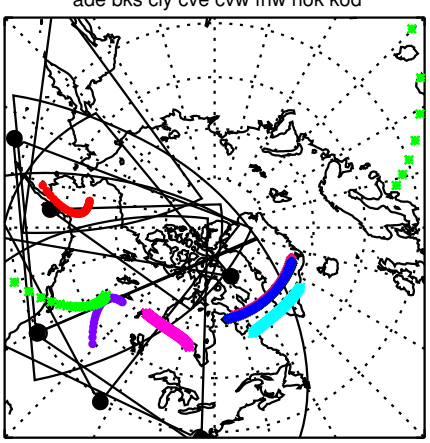


dce sps

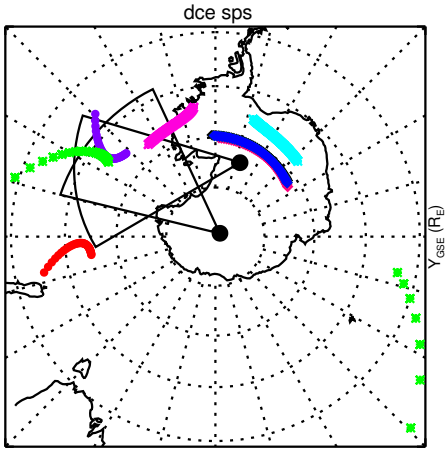


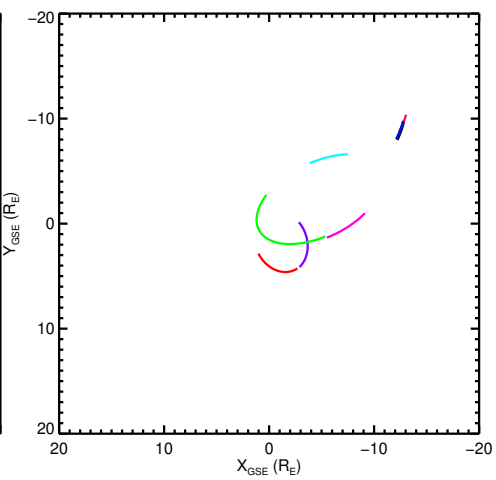


(b) 0425UT to 0740UT
ade bks cly cve cvw fhw hok kod

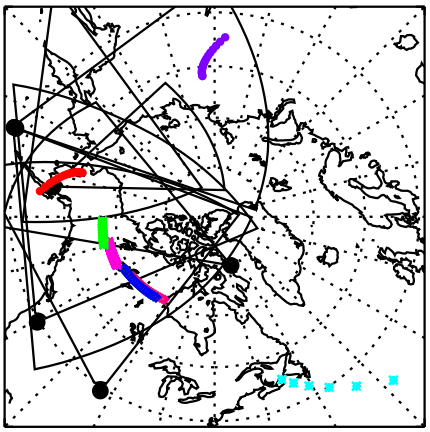


dce sps

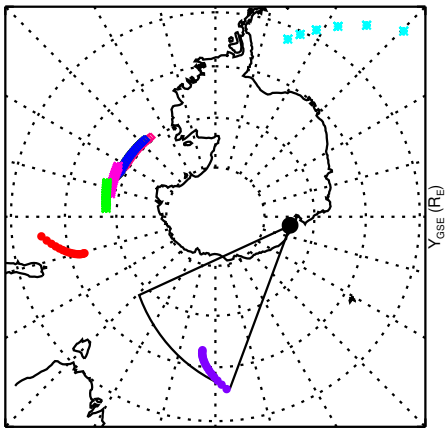


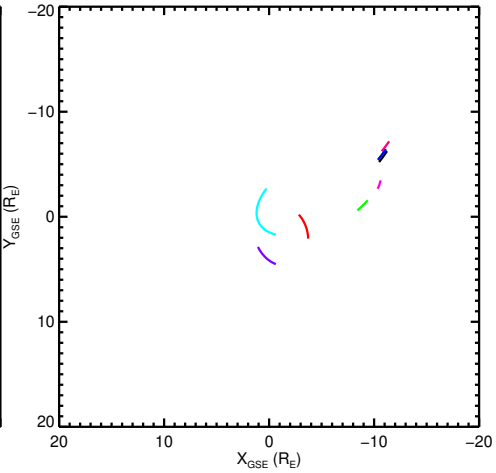


(c) 0950UT to 1115UT
ade adw cly cvw fhw hok ksr

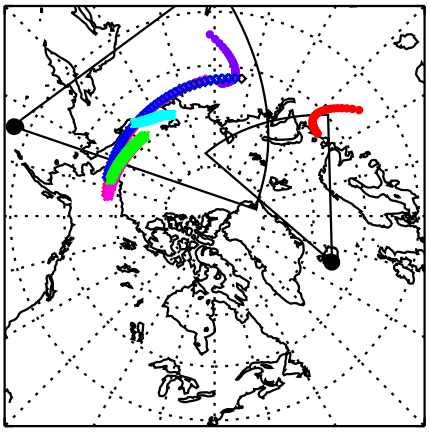


zho

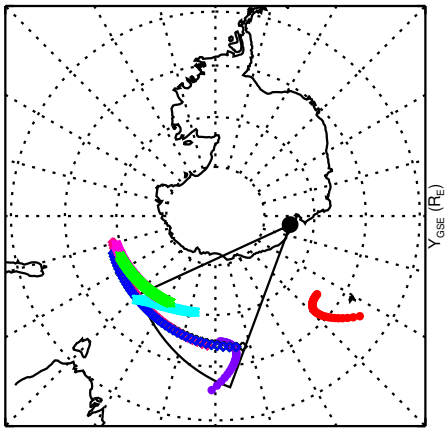


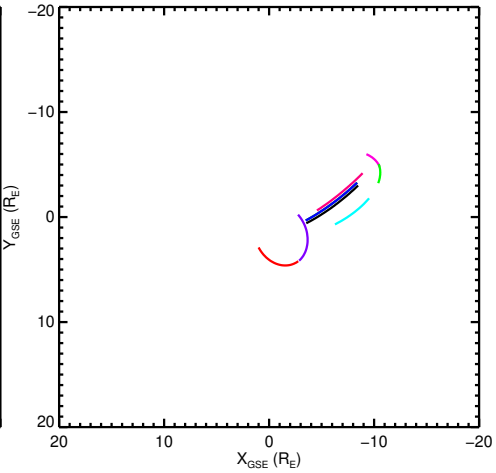


(d) 1325UT to 1645UT
adw pyk

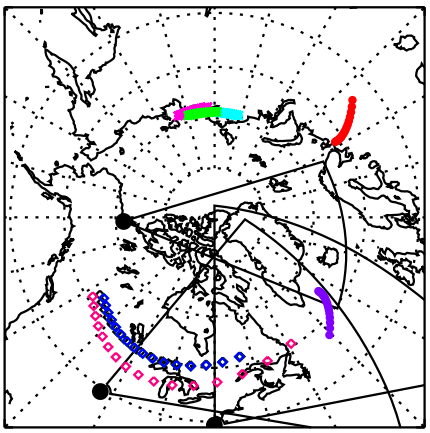


zho

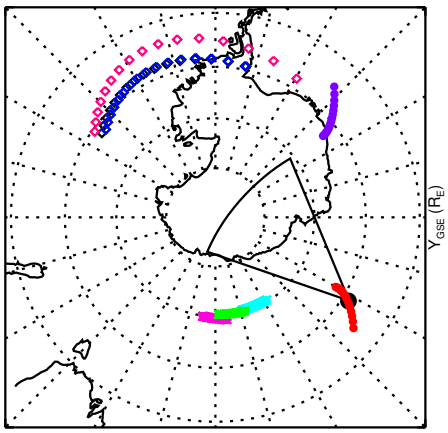


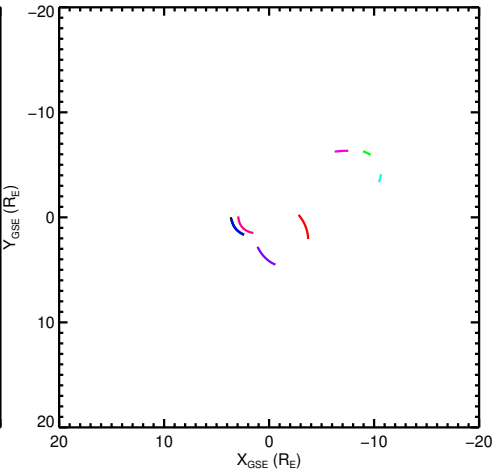


(e) 1850UT to 2015UT
fhe inv wal

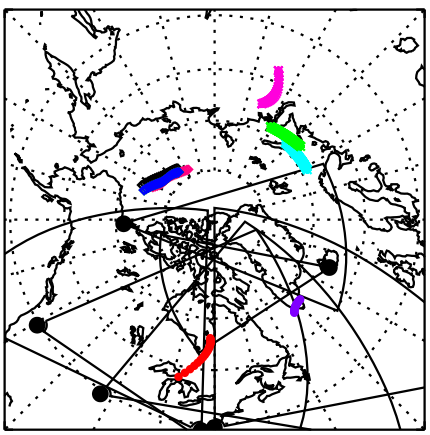


ker

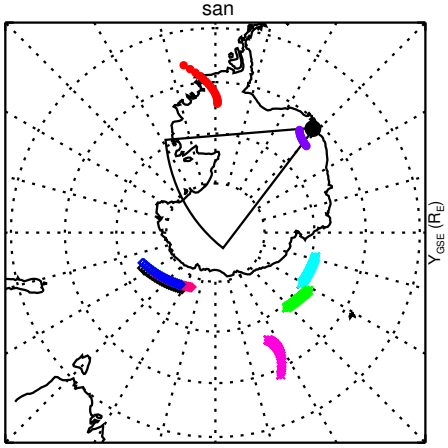


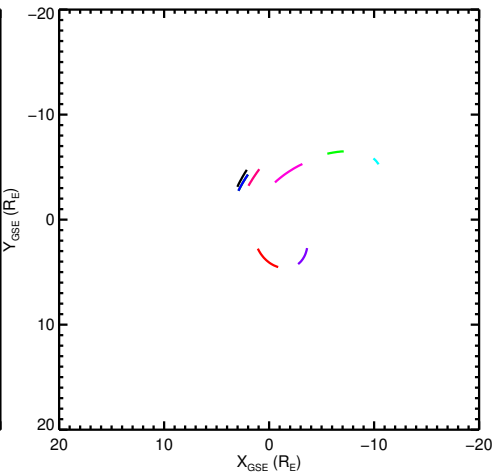


(f) 2220UT to 2355UT
bks cve fhe inv sto wal



san

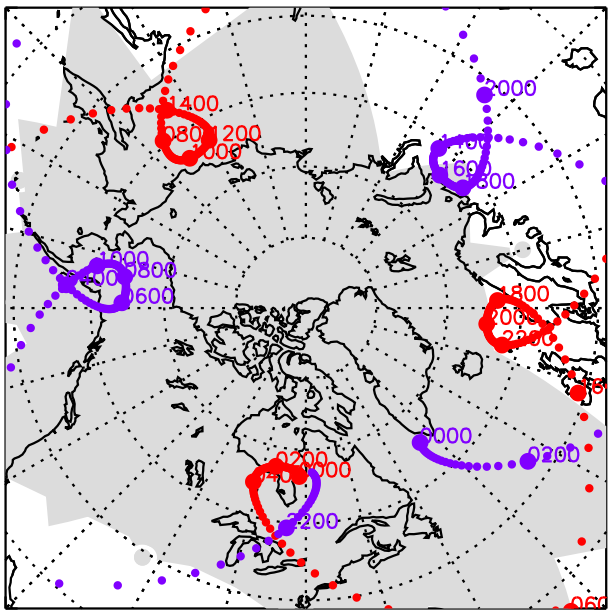


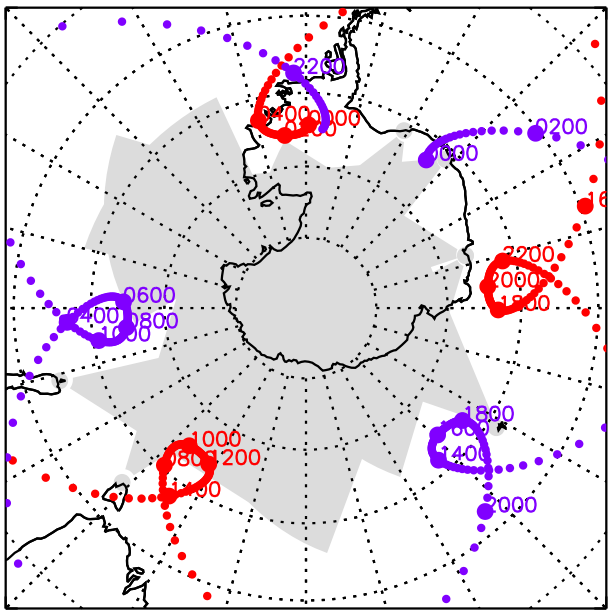


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

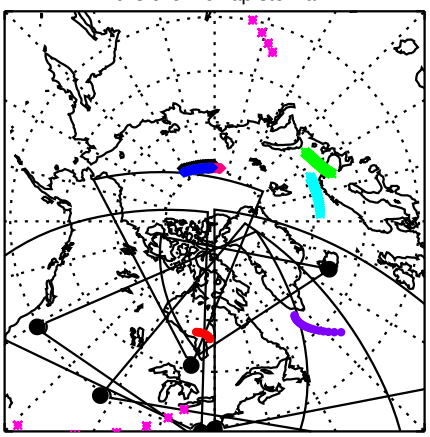
16–Jul–2013

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

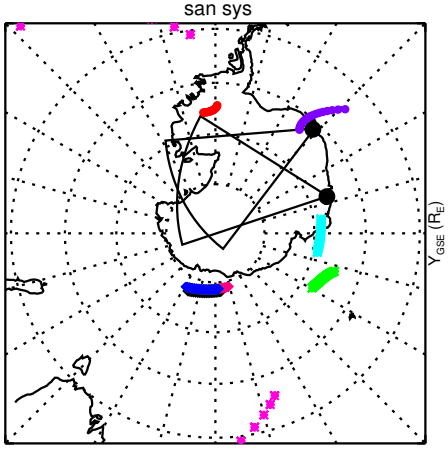


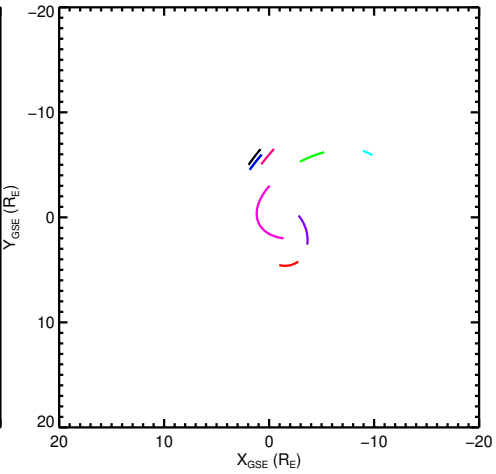


(a) 0000UT to 0145UT
bks cve fhe kap sto wal

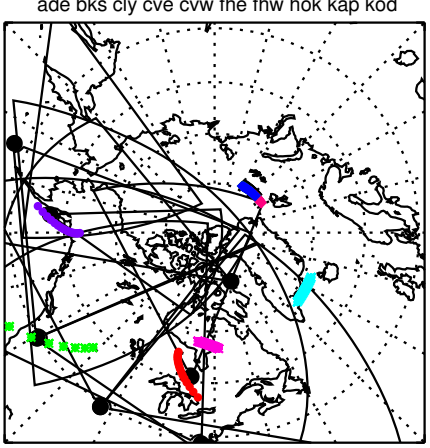


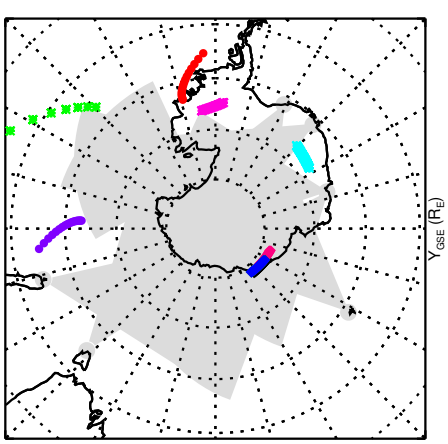
san sys

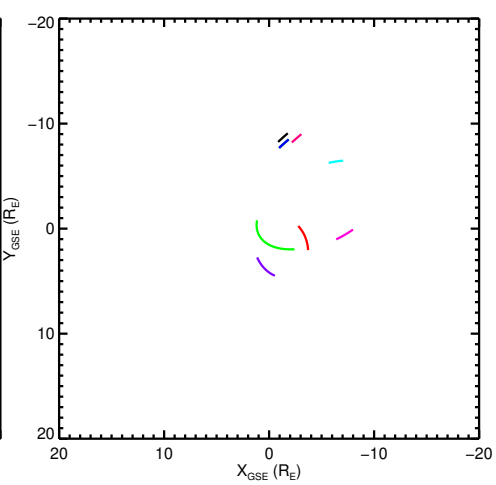




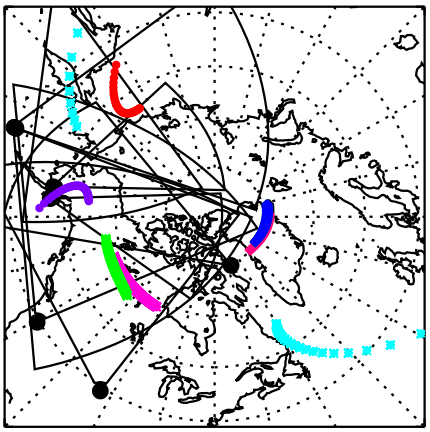
(b) 0350UT to 0515UT
ade bks cly cve cvw fhe fhw hok kap kod



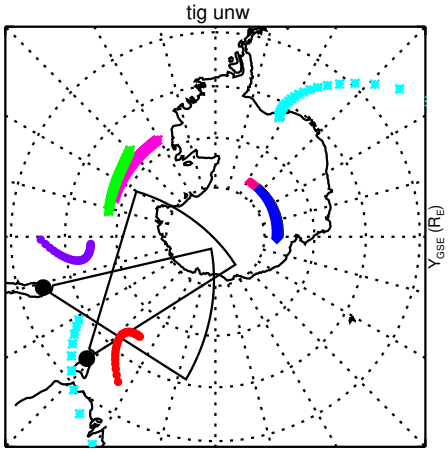


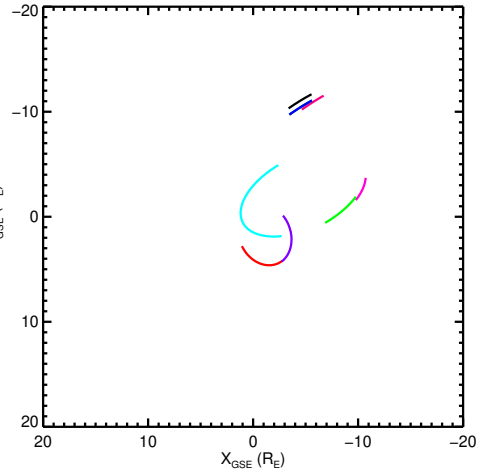


(c) 0720UT to 1045UT
ade adw cly cvw fhw hok kod ksr

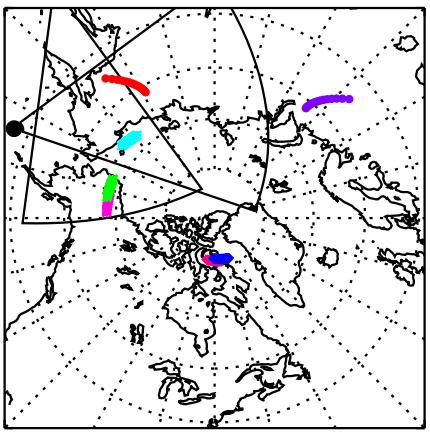


tig unw

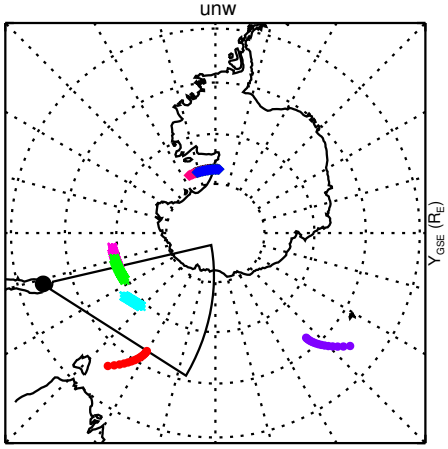


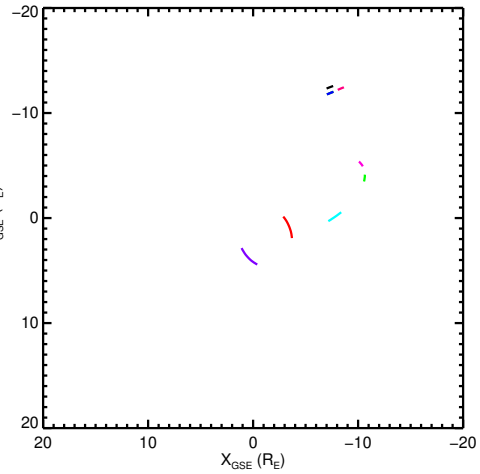


(d) 1255UT to 1410UT
adw hok

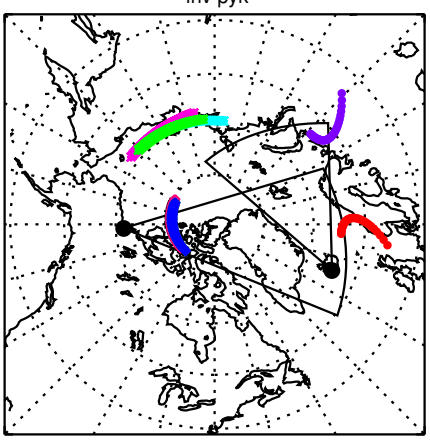


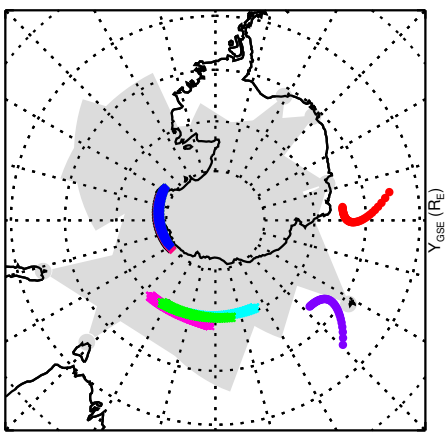
unw

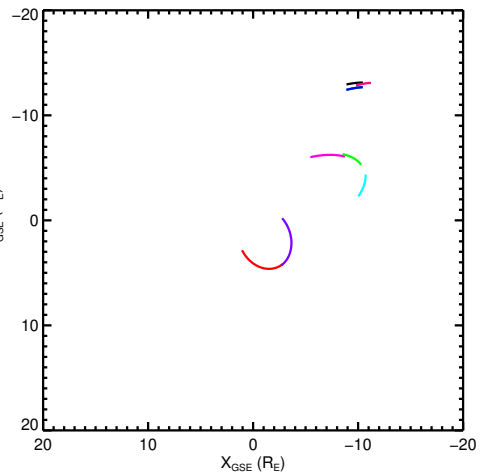




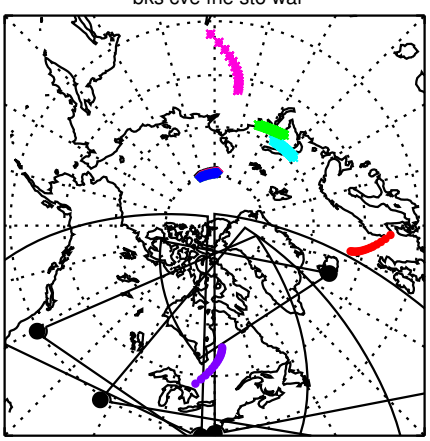
(e) 1620UT to 1950UT
inv pyk

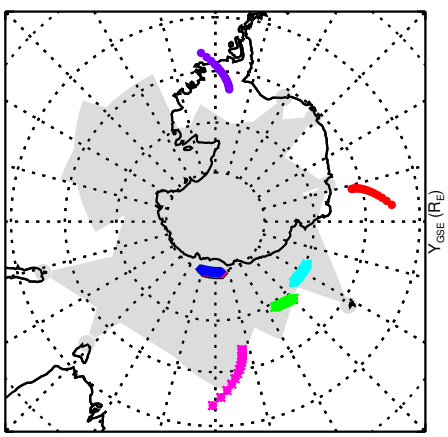


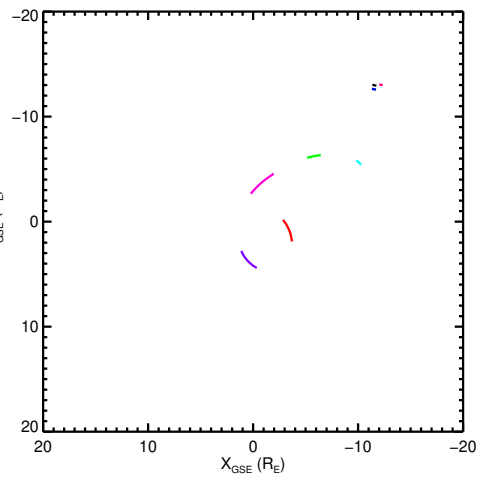




(f) 2155UT to 2310UT
bks cve fhe sto wal



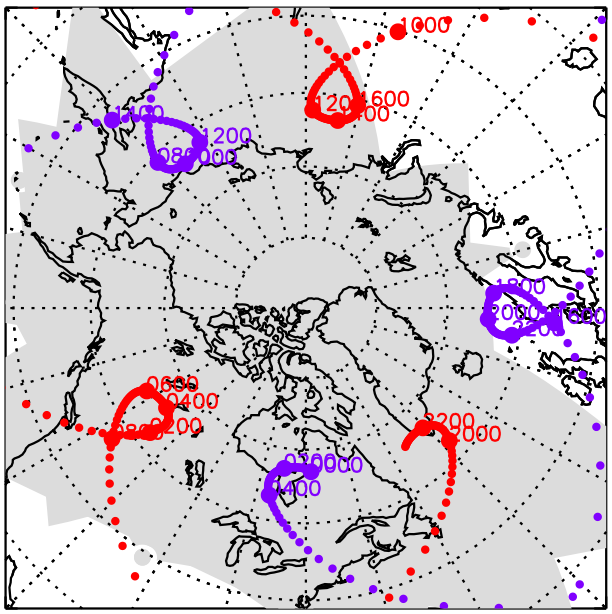


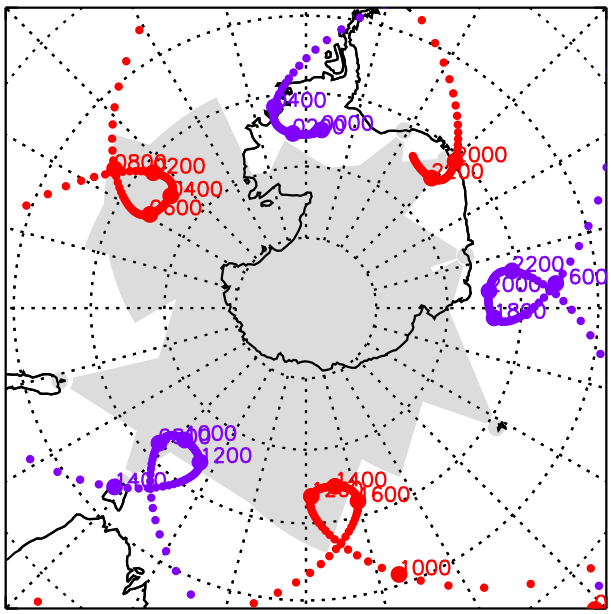


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

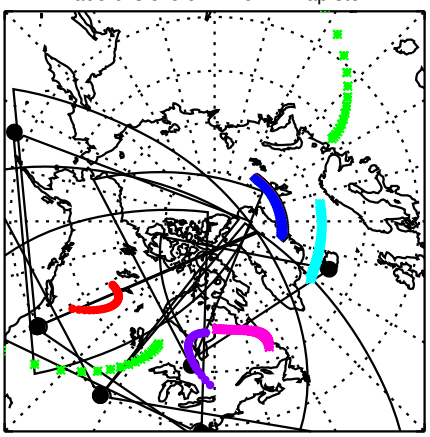
17–Jul–2013

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

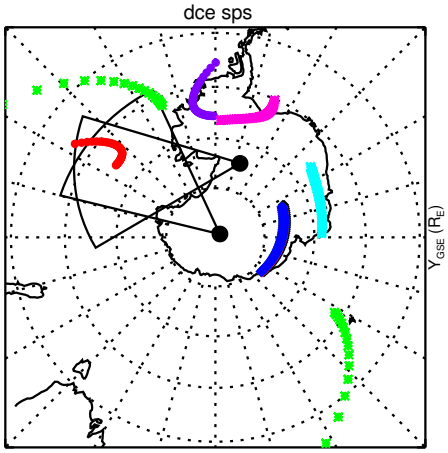


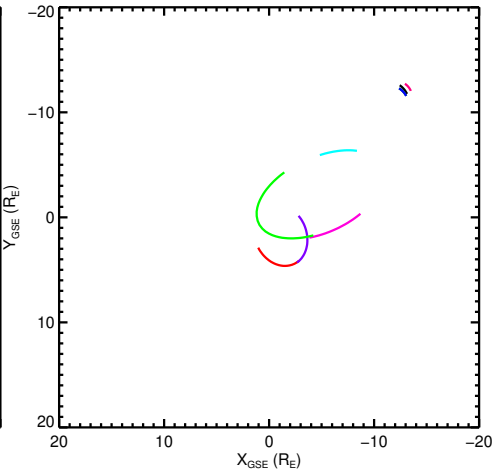


(a) 0120UT to 0450UT
ade bks cve cvw fhe fhw kap sto

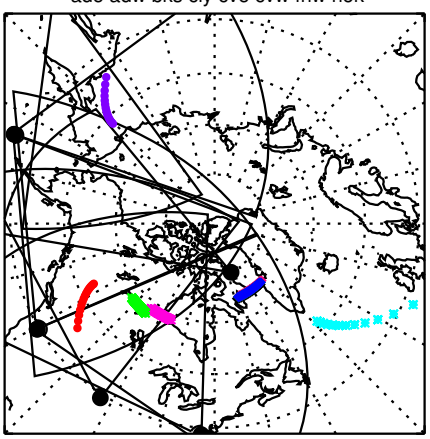


dce sps

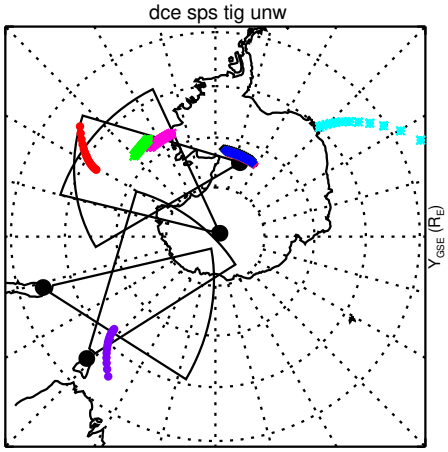


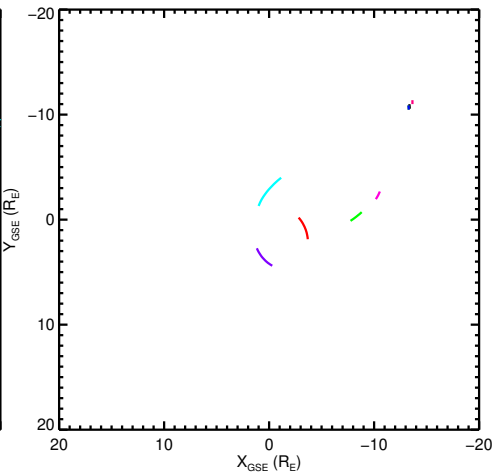


(b) 0655UT to 0810UT
ade adw bks cly cve cvw fhw hok

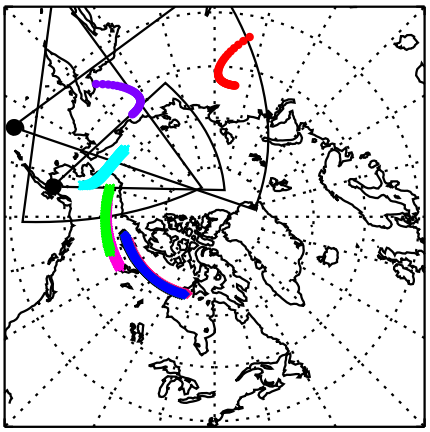


dce sps tig unw

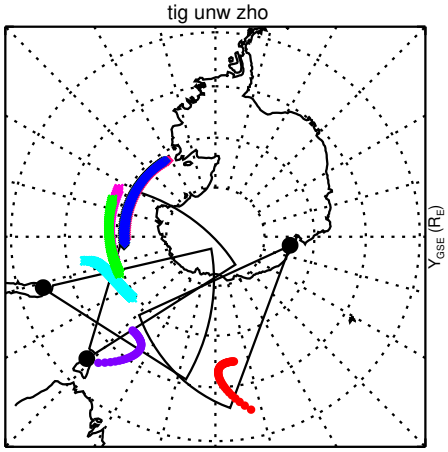


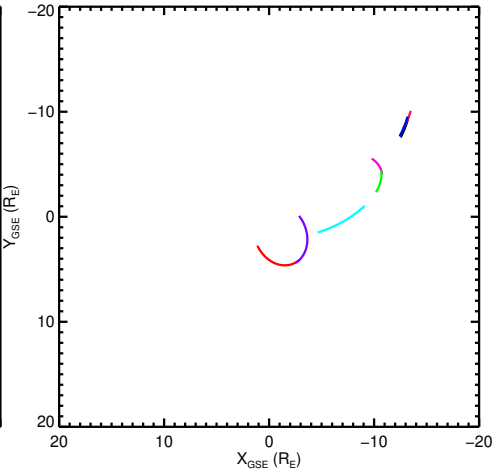


(c) 1015UT to 1350UT
adw hok ksr

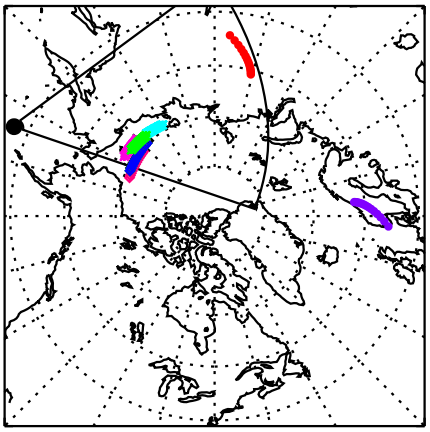


tig unw zho

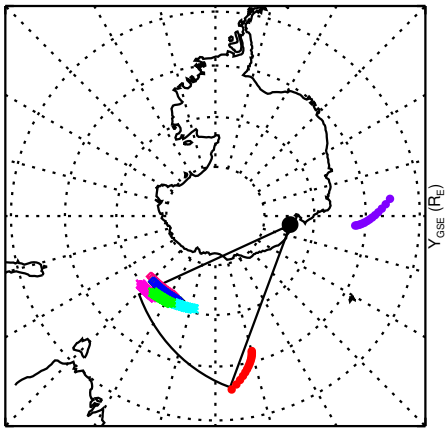


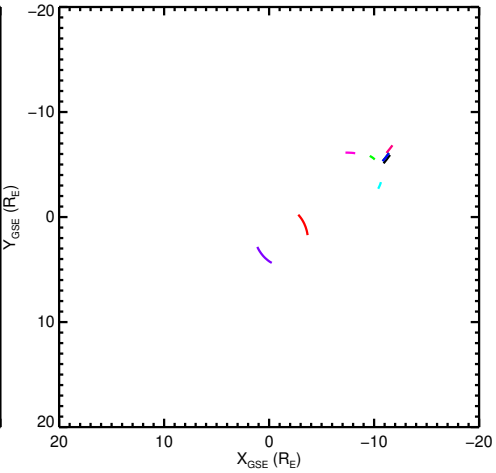


(d) 1600UT to 1710UT
adw

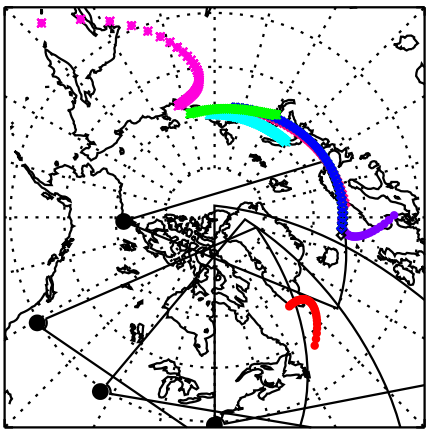


zho

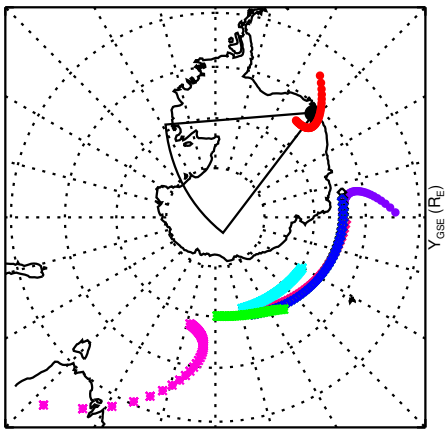


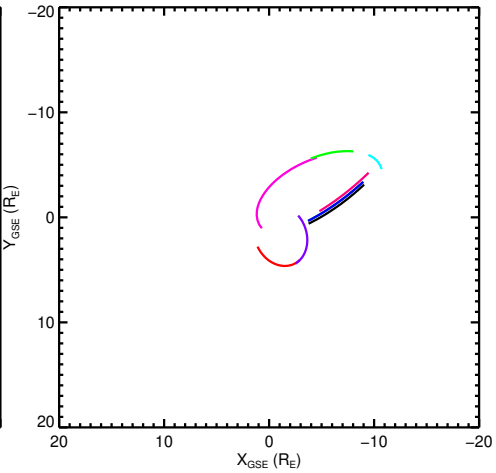


(e) 1915UT to 2255UT
cve fhe inv wal



san

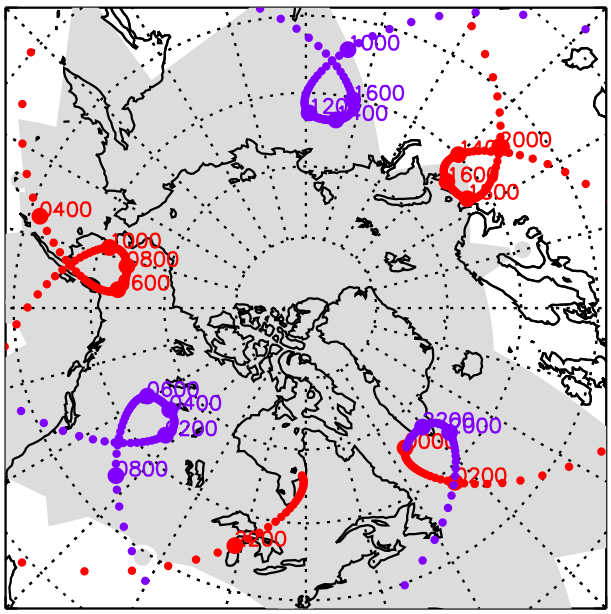


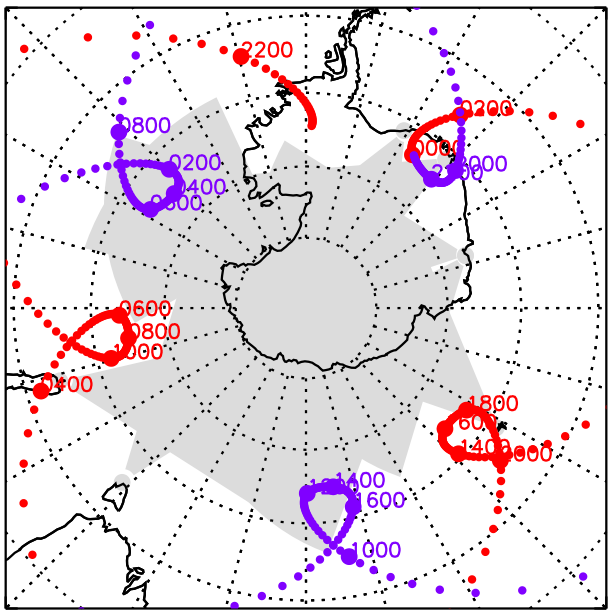


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

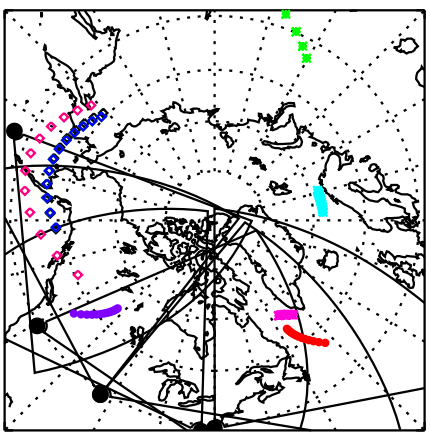
18–Jul–2013

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

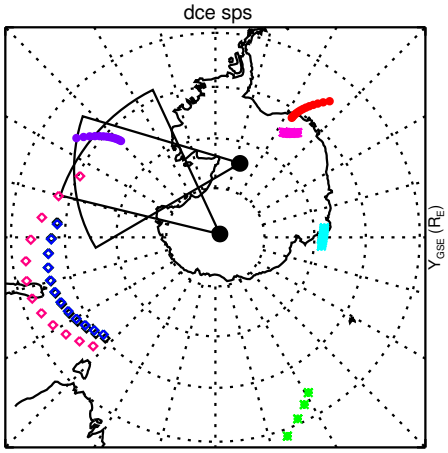


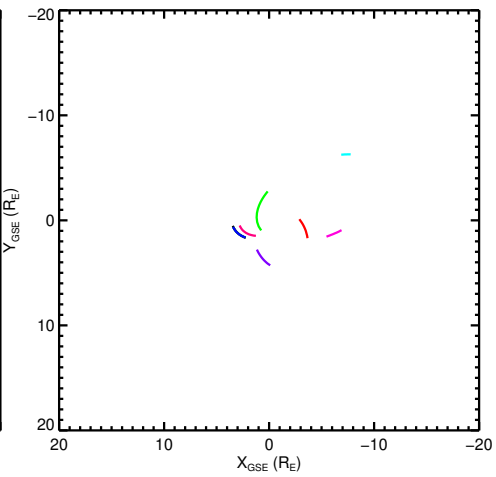


(a) 0100UT to 0205UT
ade bks cve fhe fhw wal

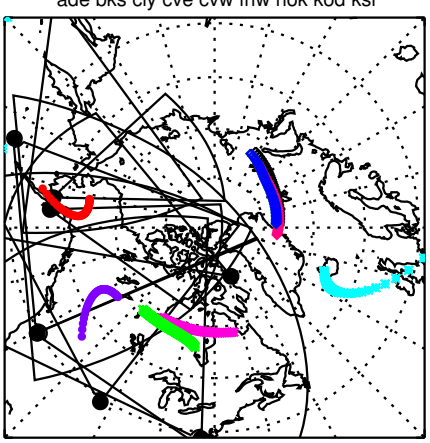


dce sps

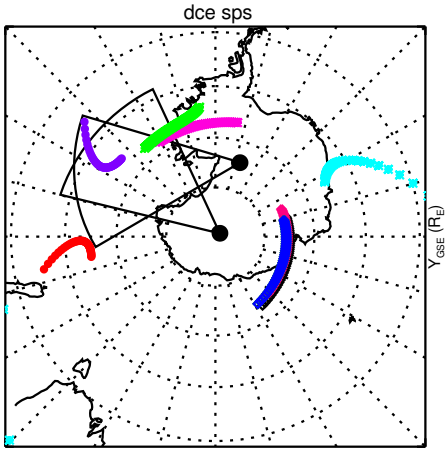


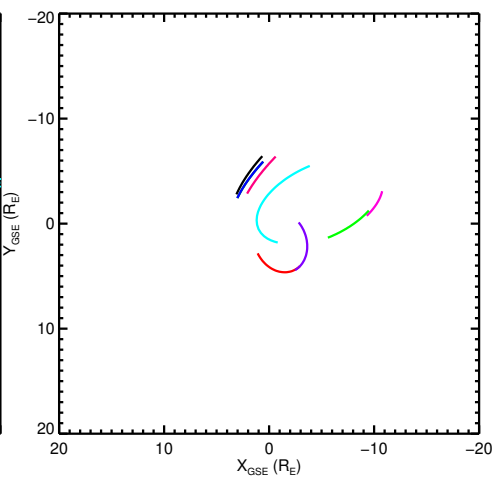


(b) 0415UT to 0755UT
ade bks cly cve cvw fhw hok kod ksr

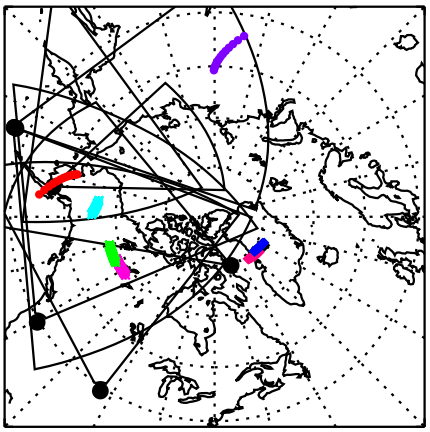


dce sps

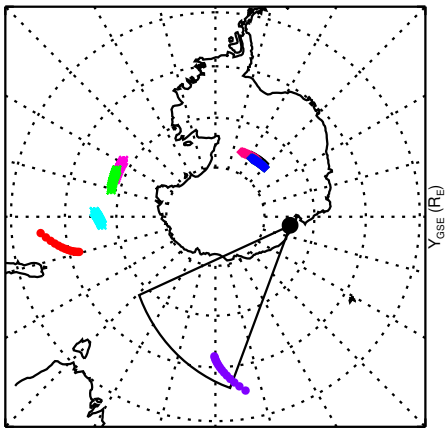


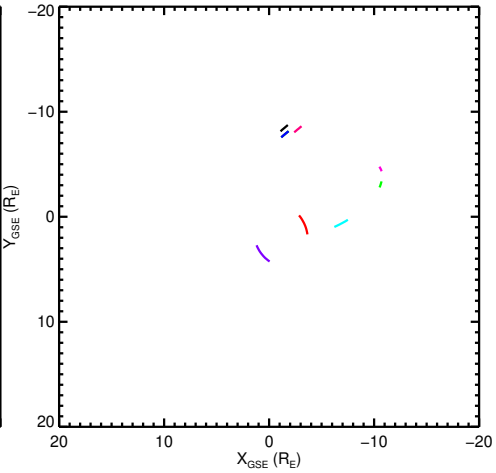


(c) 1000UT to 1105UT
ade adw cly cvw fhw hok ksr

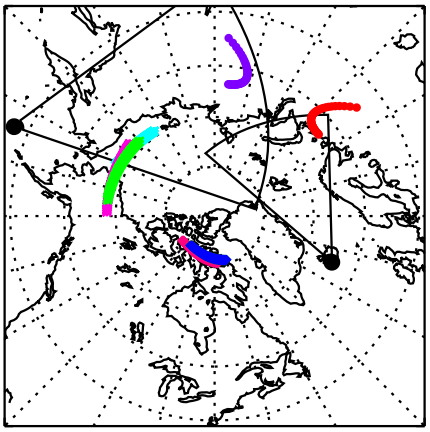


zho

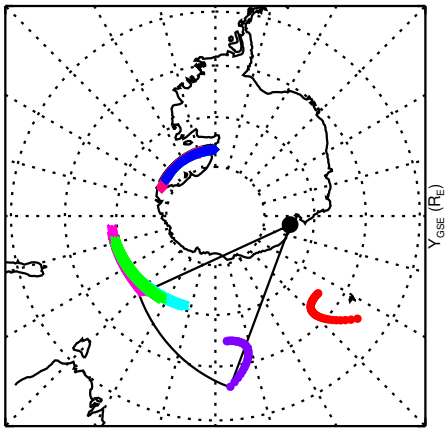


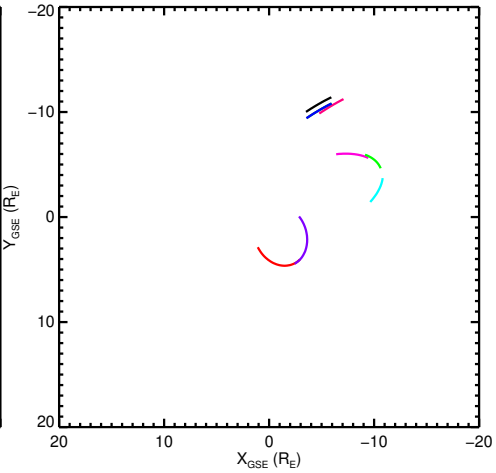


(d) 1315UT to 1655UT
adw pyk

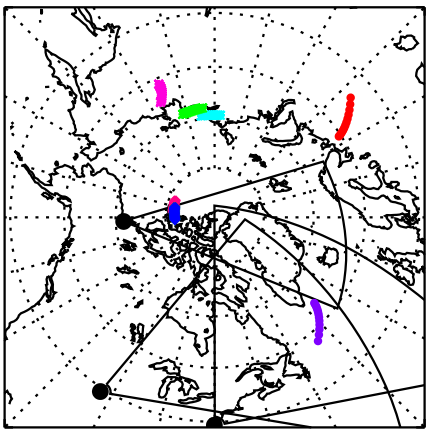


zho

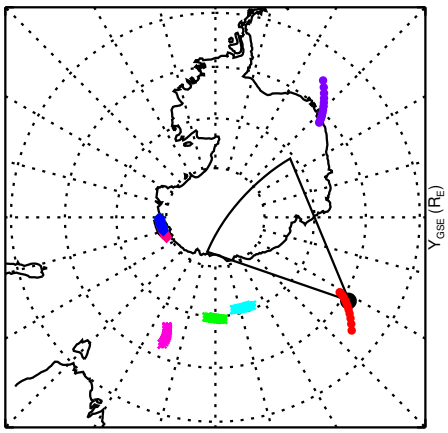


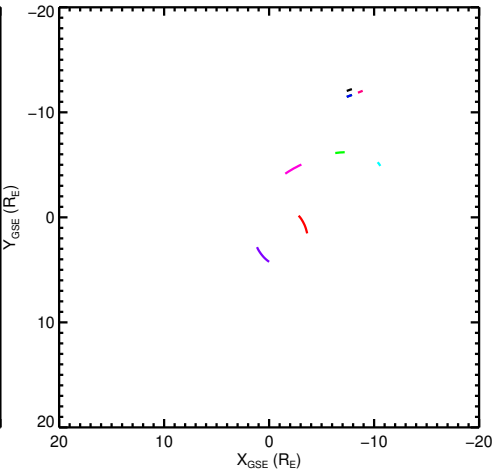


(e) 1905UT to 2005UT
fhe inv wal

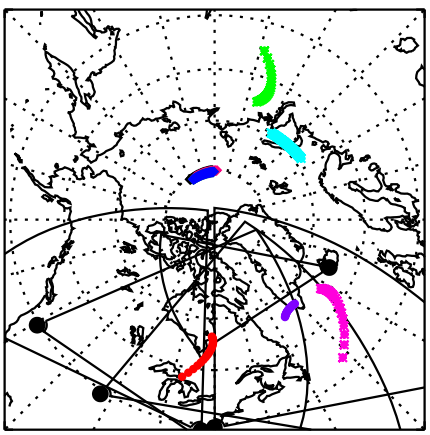


ker

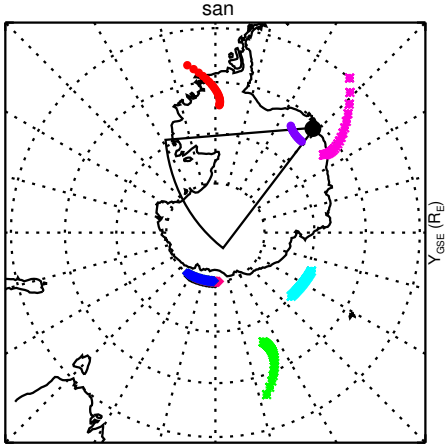


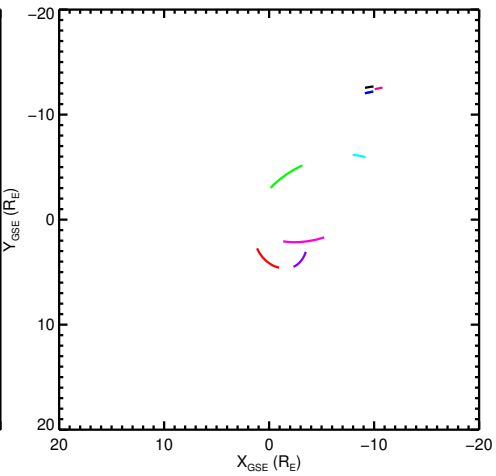


(f) 2210UT to 2355UT
bks cve fhe sto wal



san

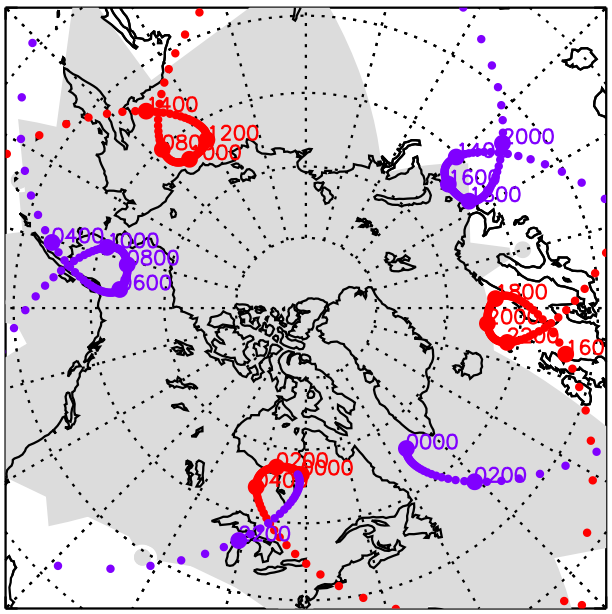


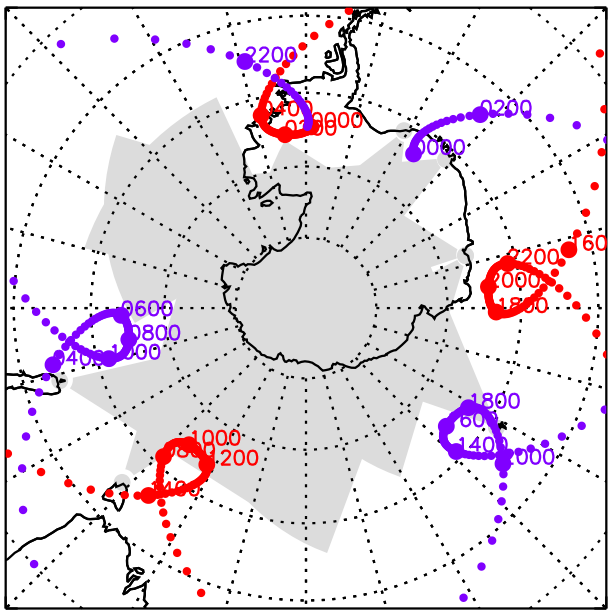


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

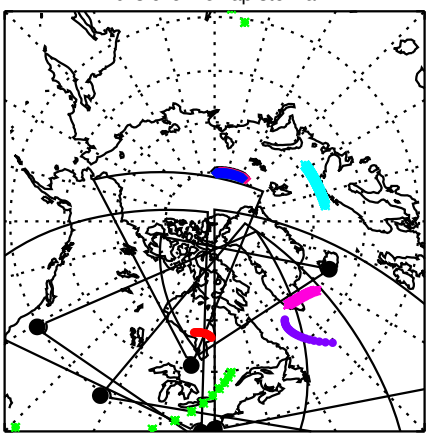
19–Jul–2013

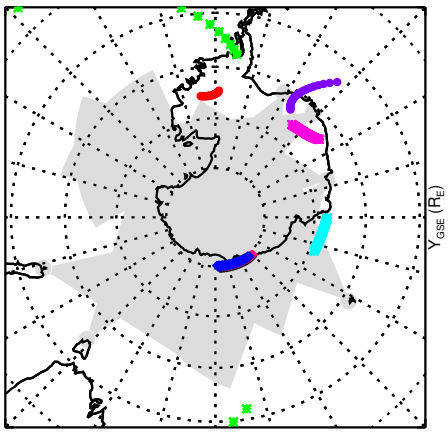
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

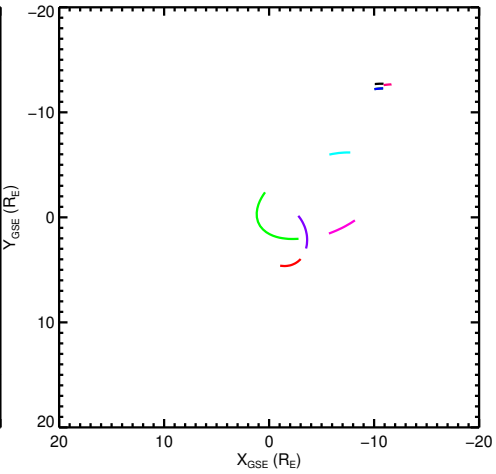




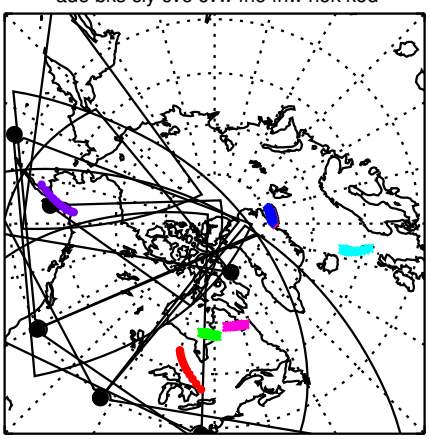
(a) 0000UT to 0200UT
bks cve fhe kap sto wal

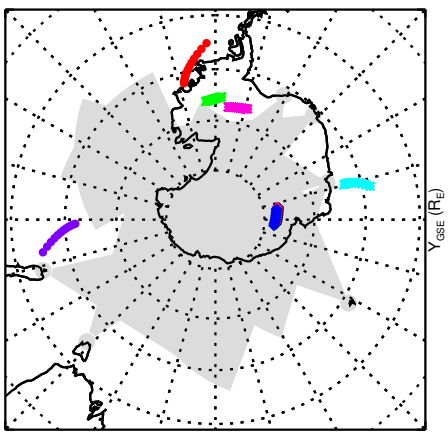


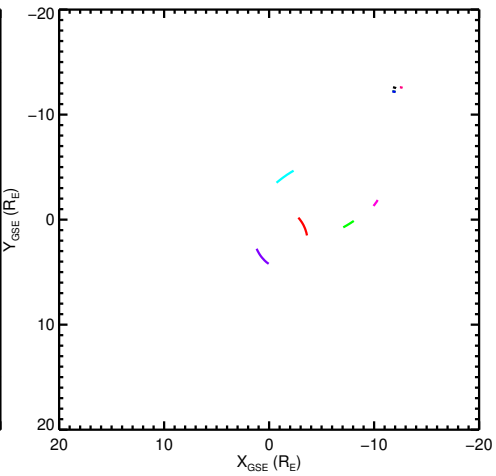




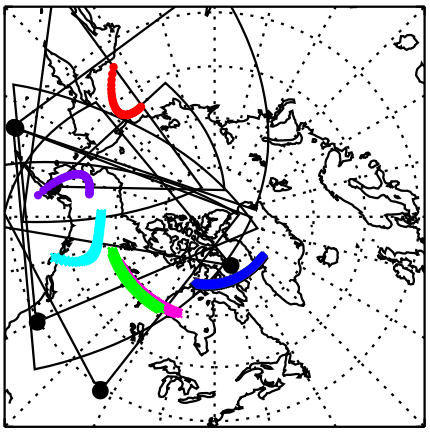
(b) 0405UT to 0505UT
ade bks cly cve cvw fhe fhw hok kod



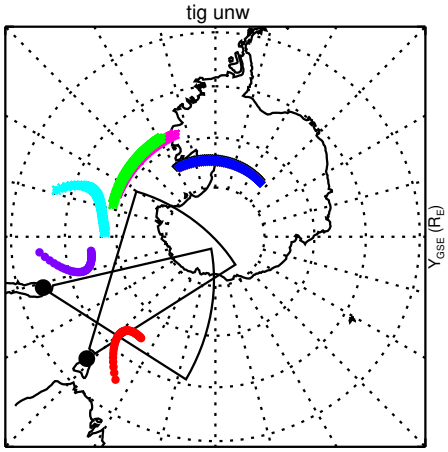


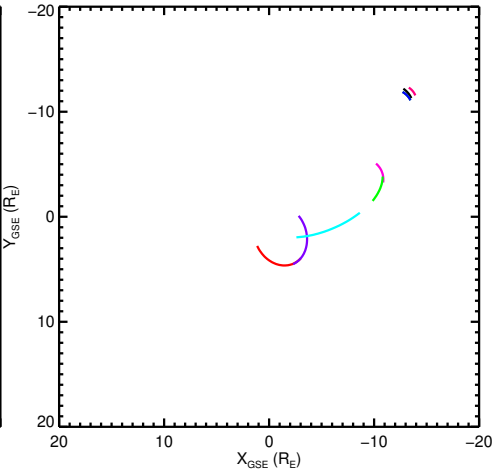


(c) 0710UT to 1100UT
ade adw cly cvw fhw hok ksr

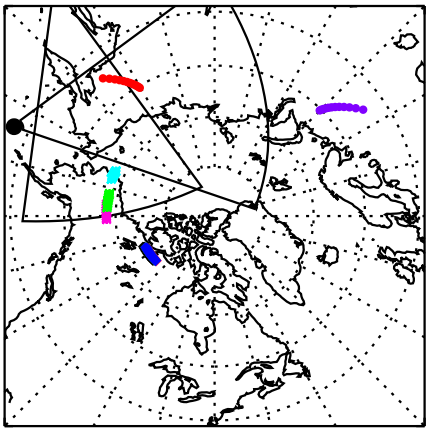


tig unw

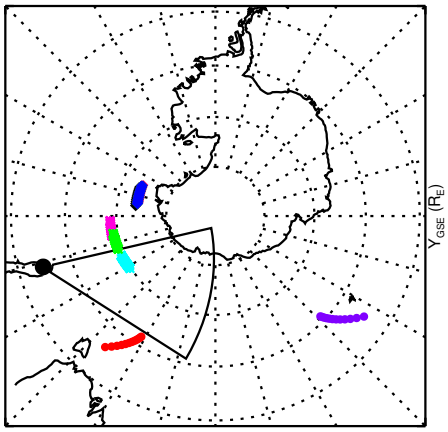


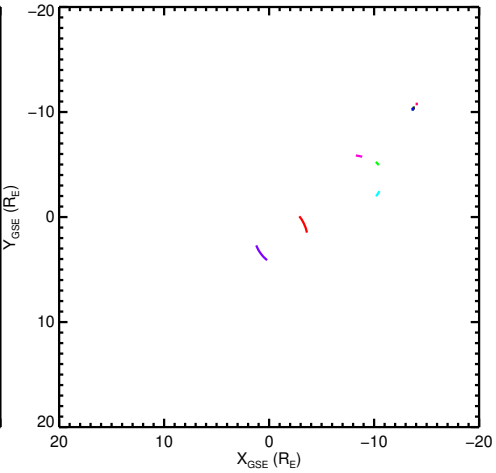


(d) 1305UT to 1400UT
adw hok

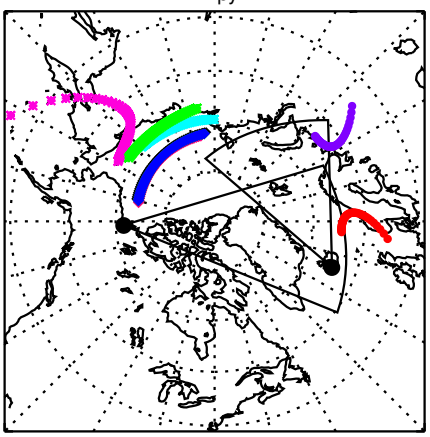


unw

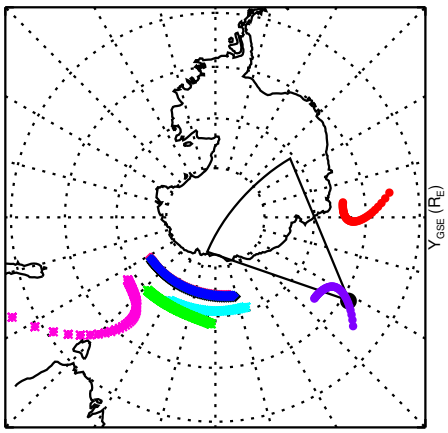


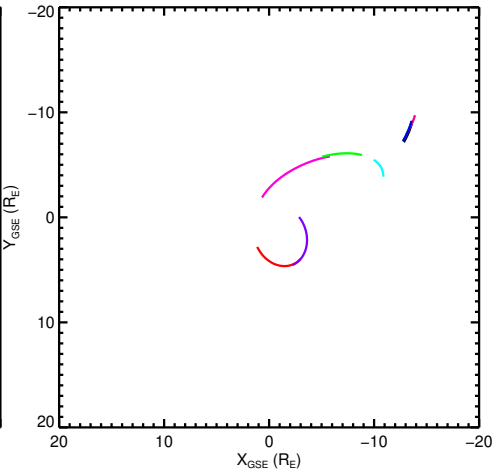


(e) 1610UT to 2000UT
inv pyk

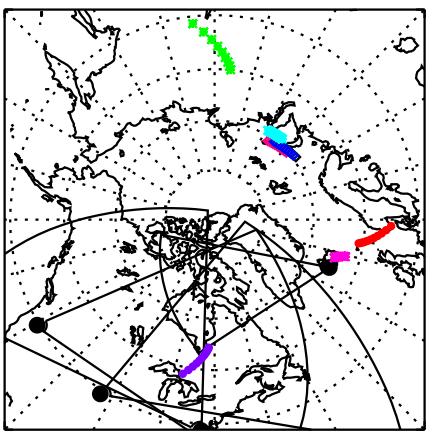


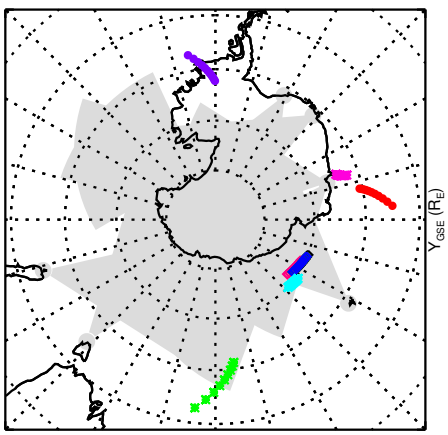
ker

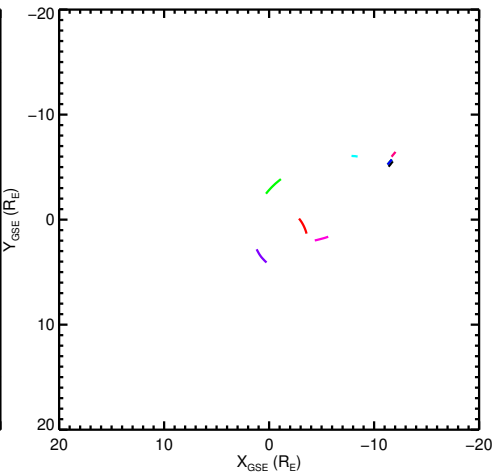




(f) 2210UT to 2300UT
bks cve fhe sto



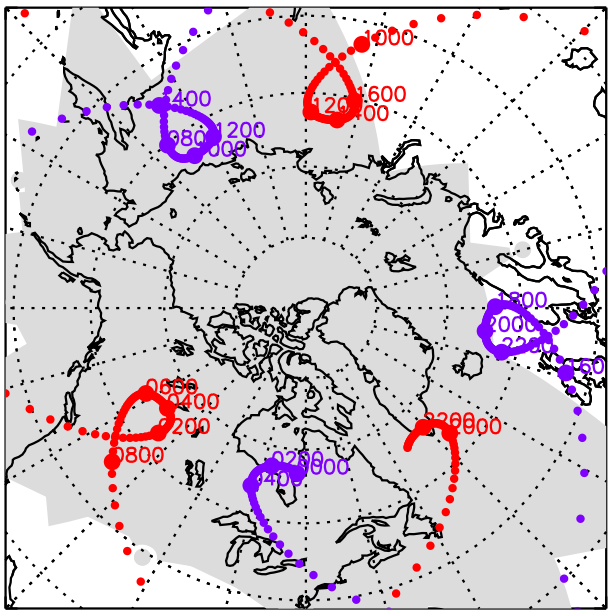


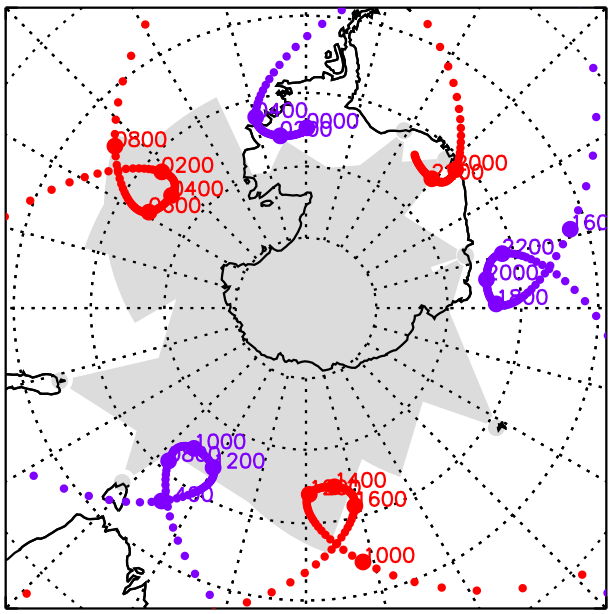


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

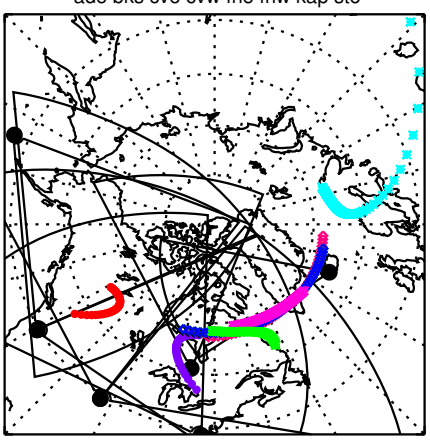
20–Jul–2013

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

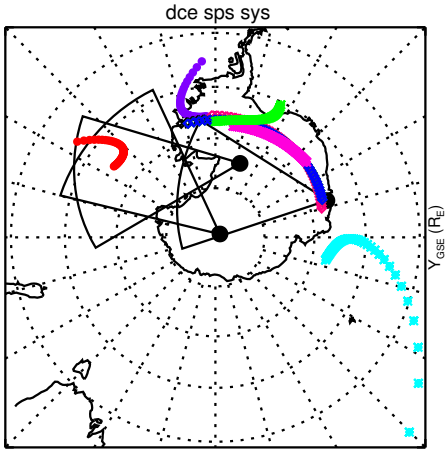


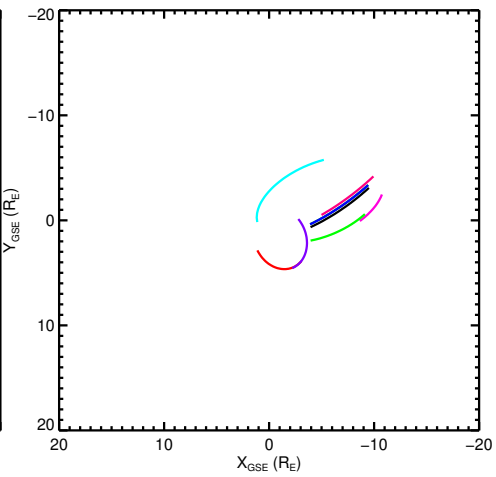


(a) 0110UT to 0505UT
ade bks cve cvw fhe fhw kap sto

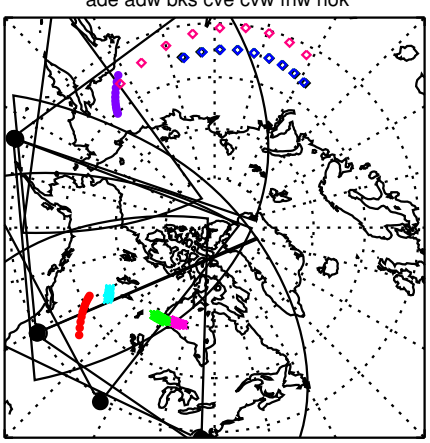


dce sps sys

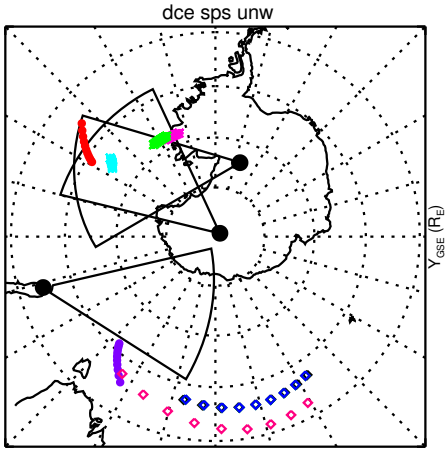


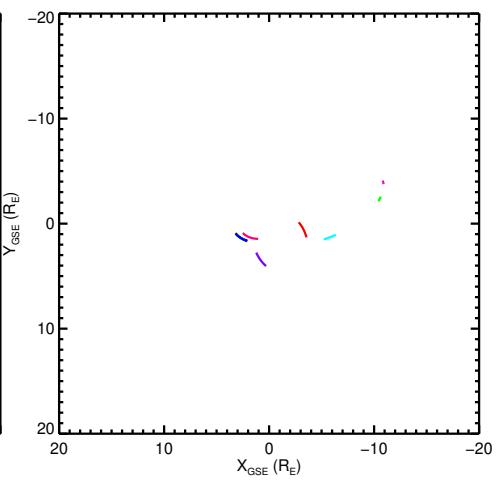


(b) 0710UT to 0800UT
ade adw bks cve cvw fhw hok

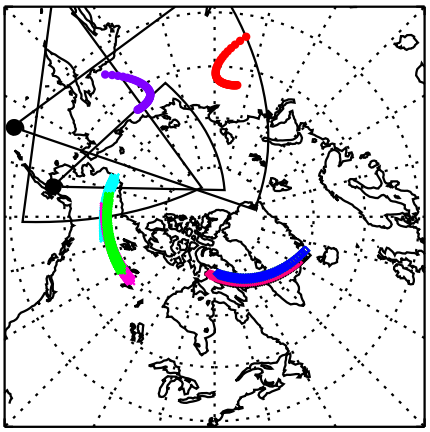


dce sps unw

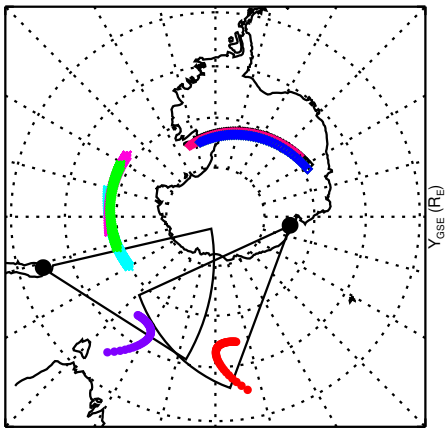


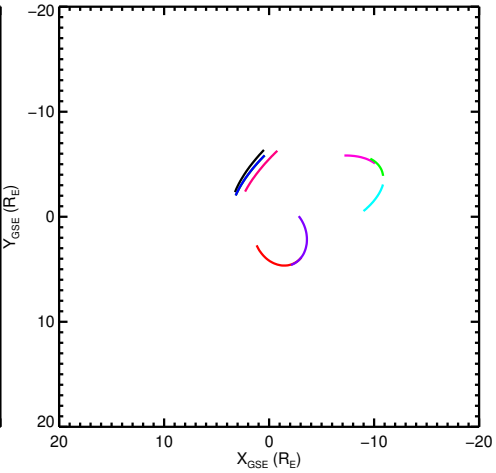


(c) 1005UT to 1405UT
adw hok ksr

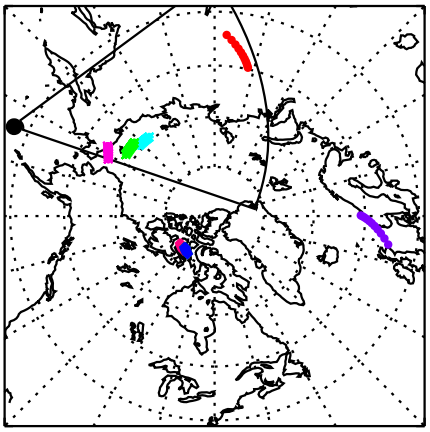


unw zho

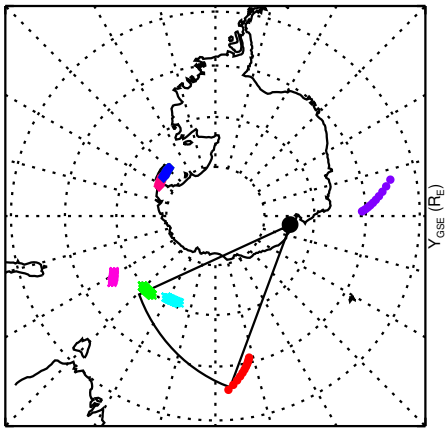


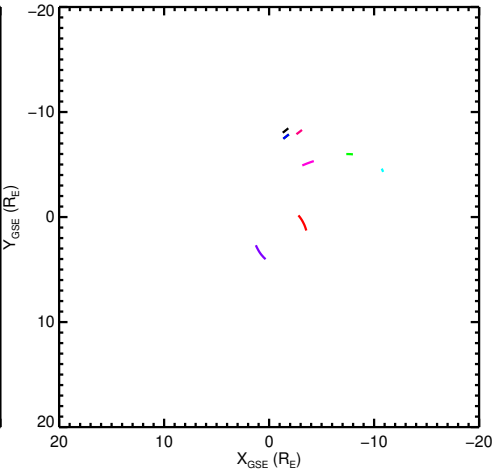


(d) 1610UT to 1700UT
adw

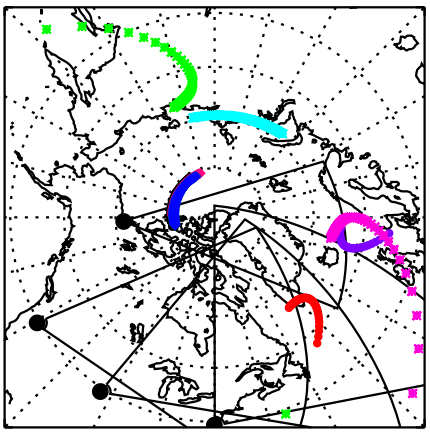


zho

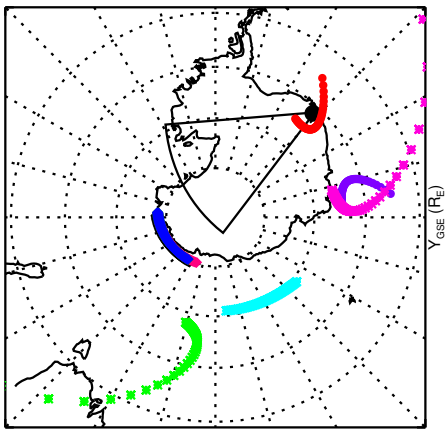


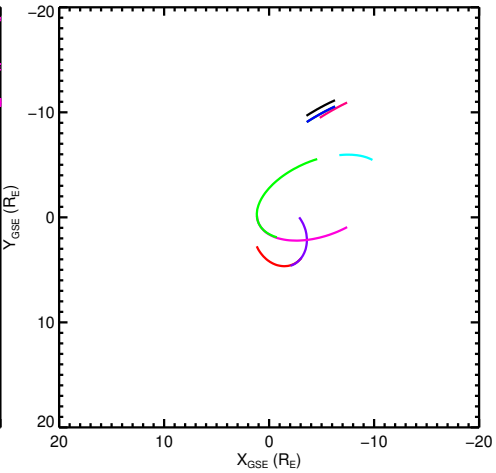


(e) 1905UT to 2305UT
cve fhe inv wal



san

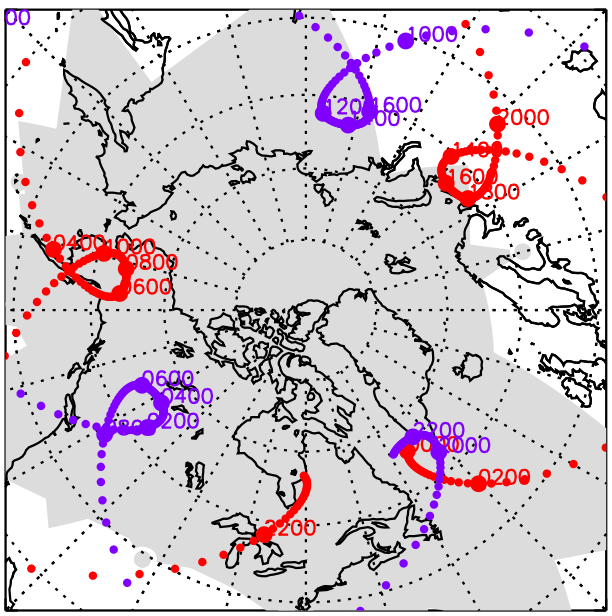


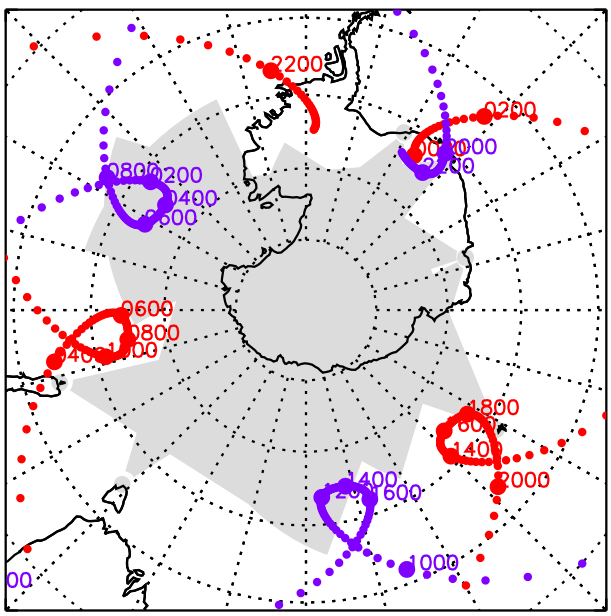


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

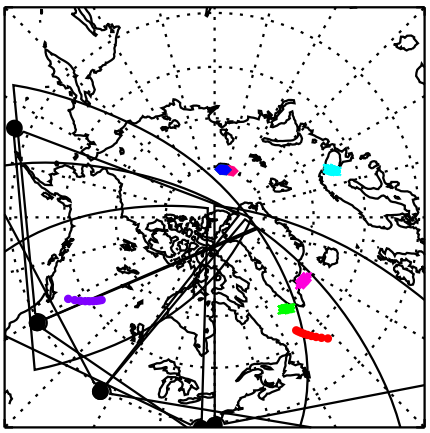
21–Jul–2013

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

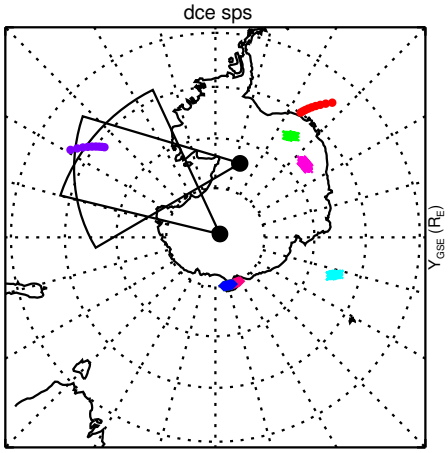


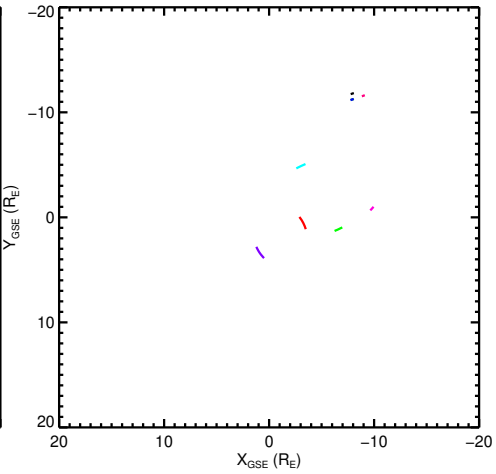


(a) 0115UT to 0155UT
ade bks cve cvw fhe fhw wal

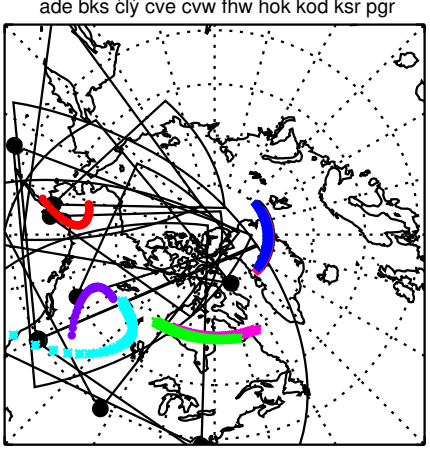


dce sps

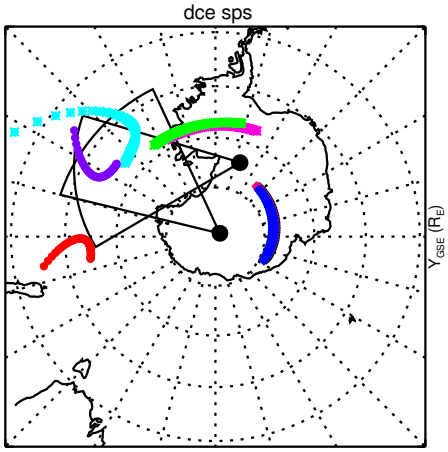


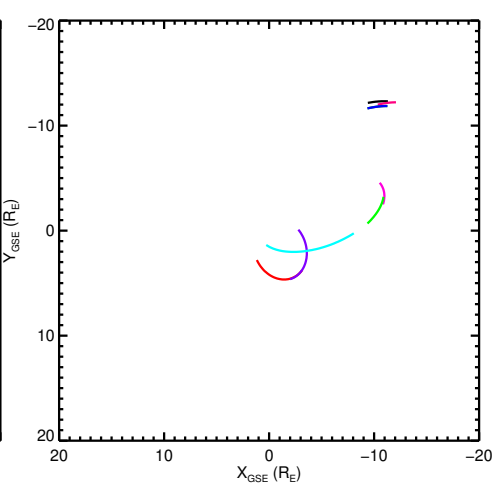


(b) 0405UT to 0810UT
ade bks cly cve cvw fhw hok kod ksr pgr

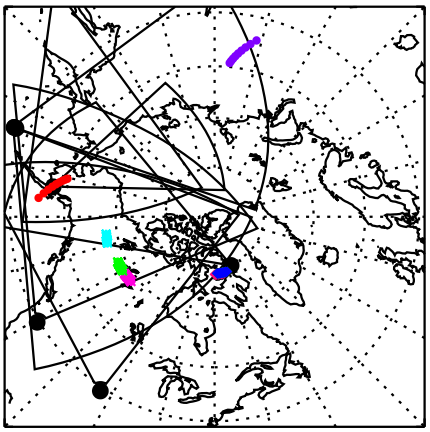


dce sps

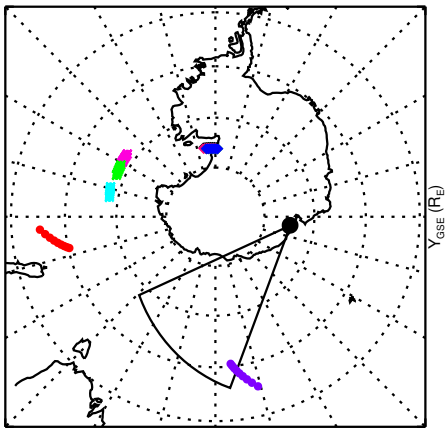


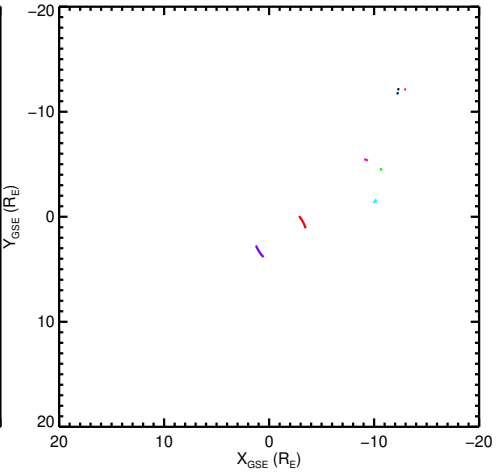


(c) 1015UT to 1055UT
ade adw cly cvw fhw hok ksr

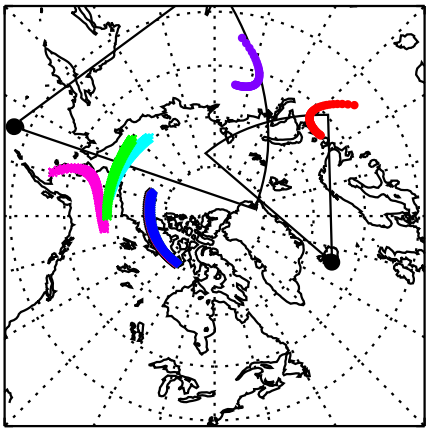


zho

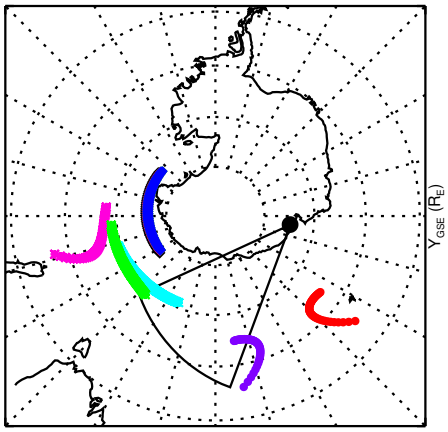


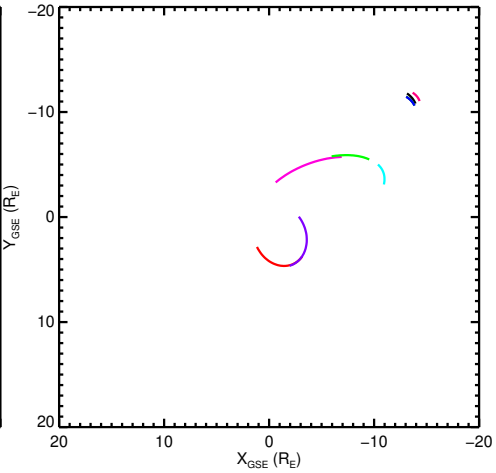


(d) 1305UT to 1710UT
adw pyk

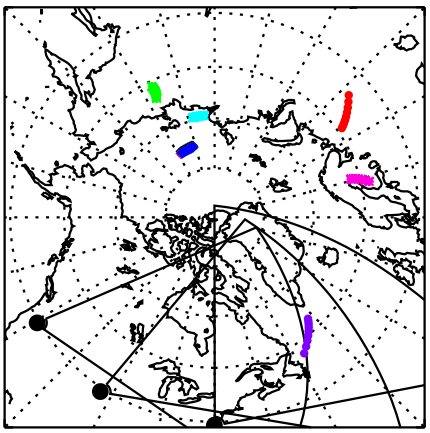


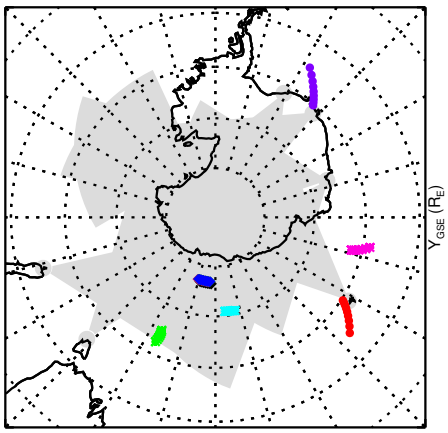
zho

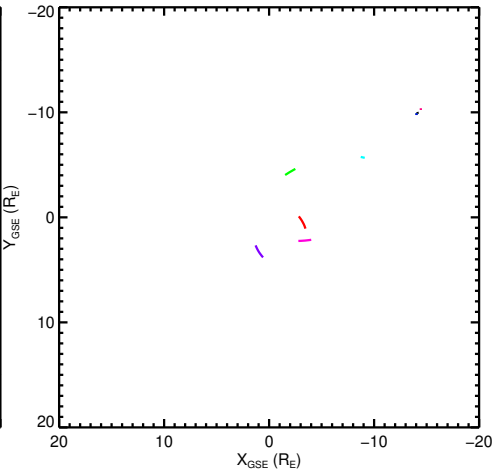




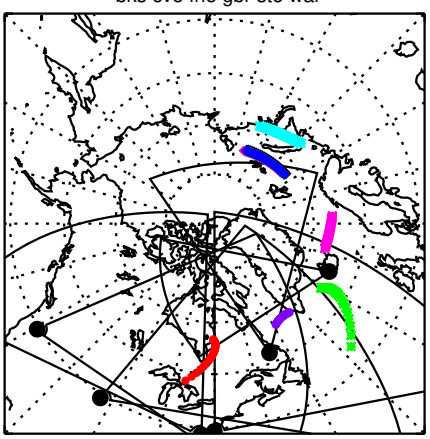
(e) 1915UT to 1955UT
cve fhe wal



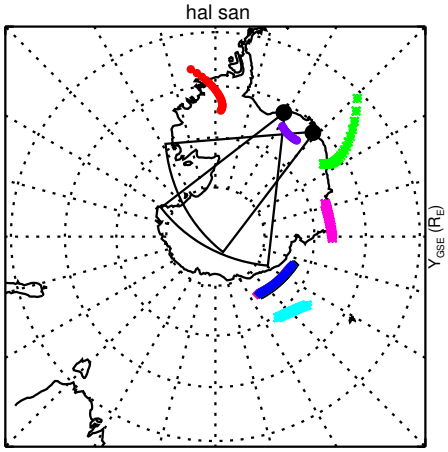


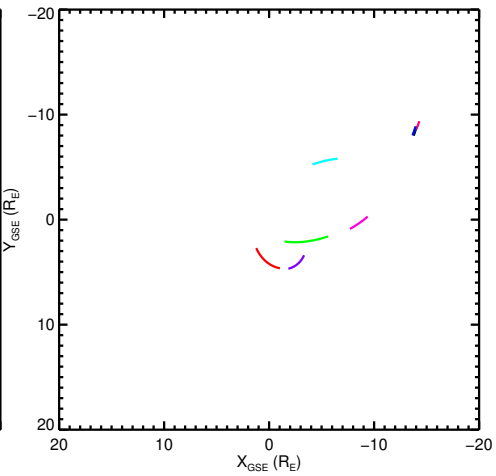


(f) 2200UT to 2355UT
bks cve fhe gbr sto wal



hal san

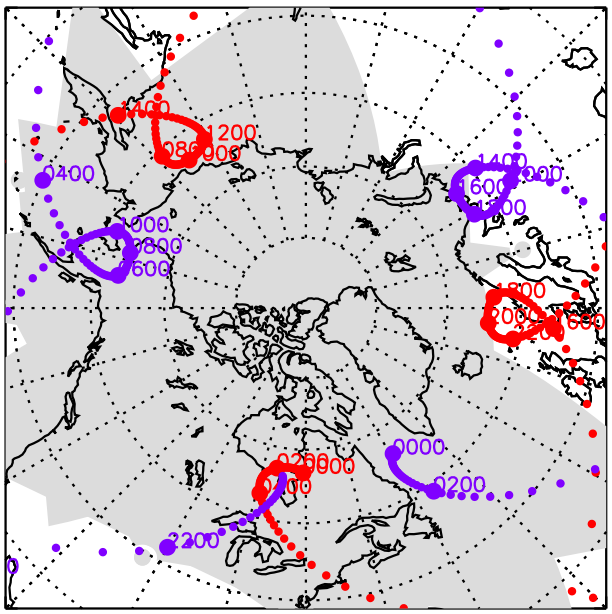


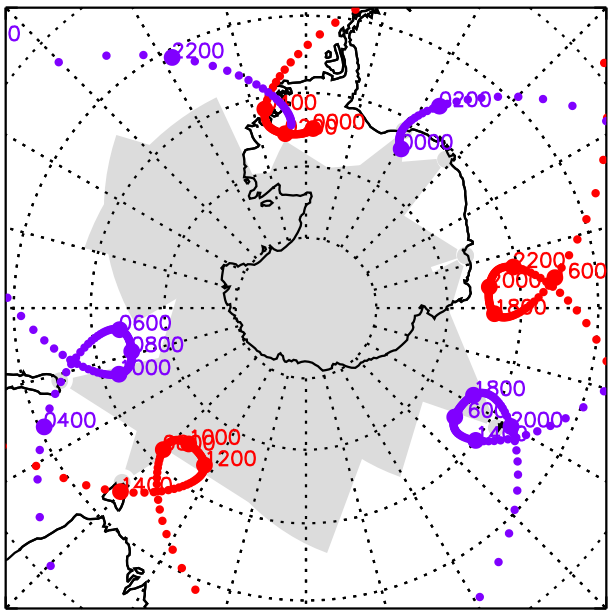


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

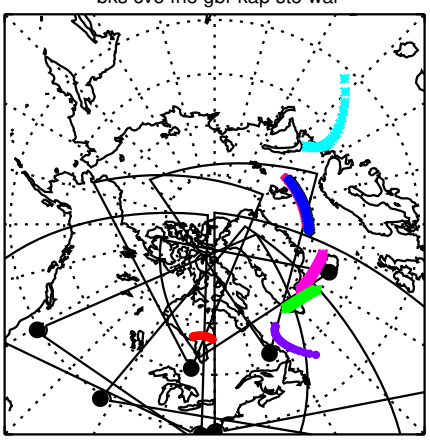
22–Jul–2013

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 0210UT
bks cve fhe gbr kap sto wal



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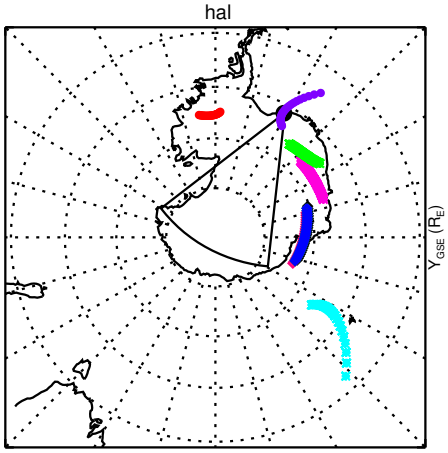
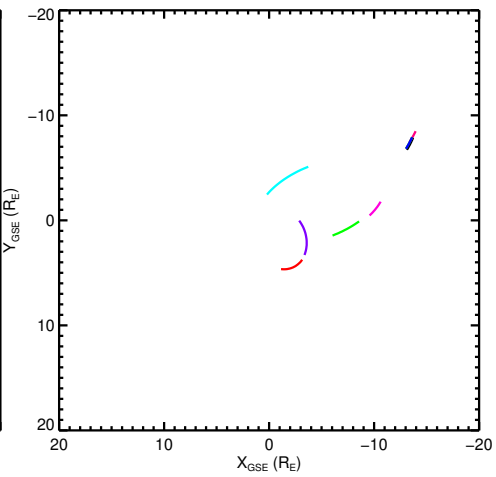
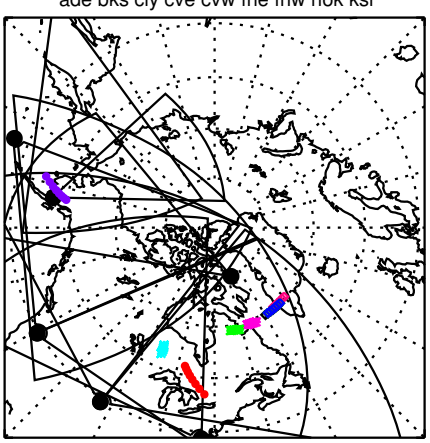
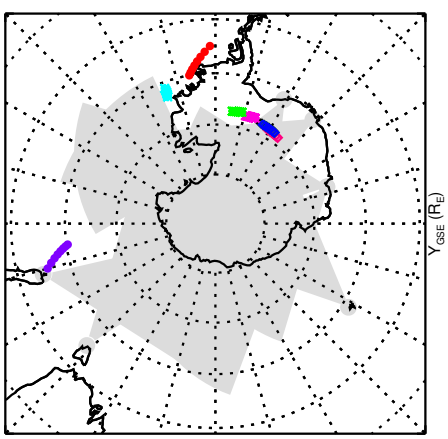
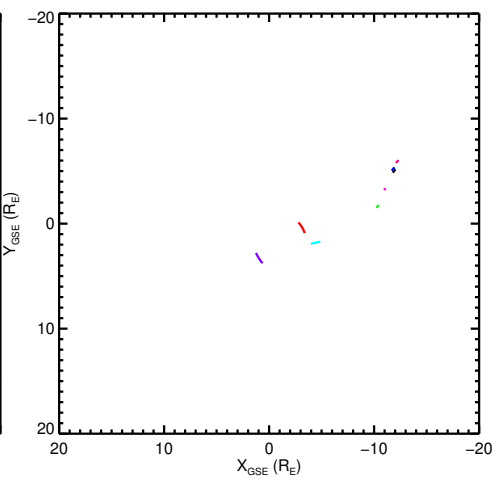




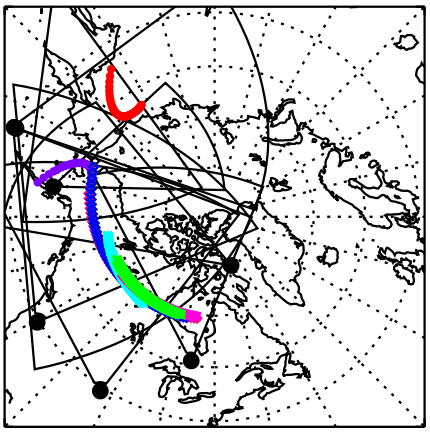
(b) 0420UT to 0455UT
ade bks cly cve cvw fhe fhw hok ksr







(c) 0700UT to 1115UT
ade adw cly cvw fhw hok kap ksr



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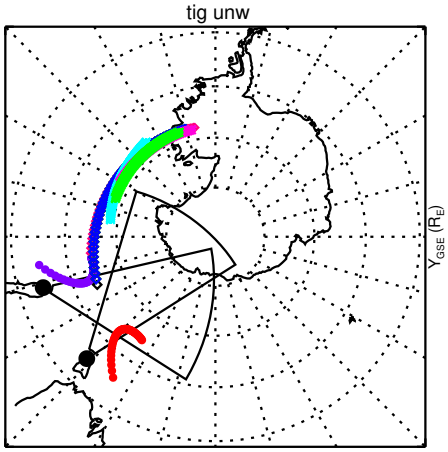
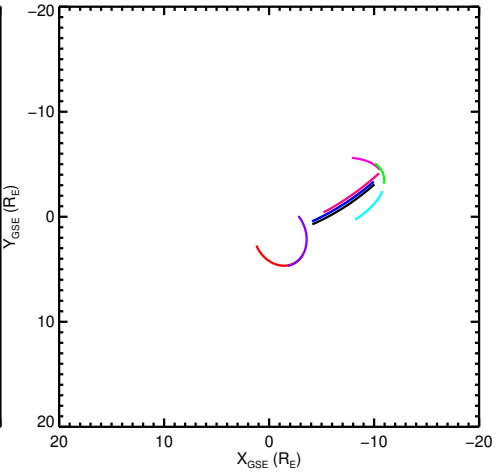
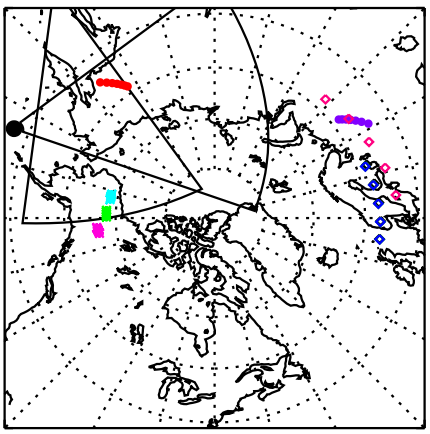
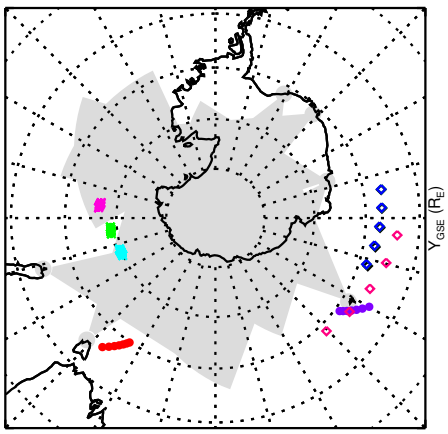
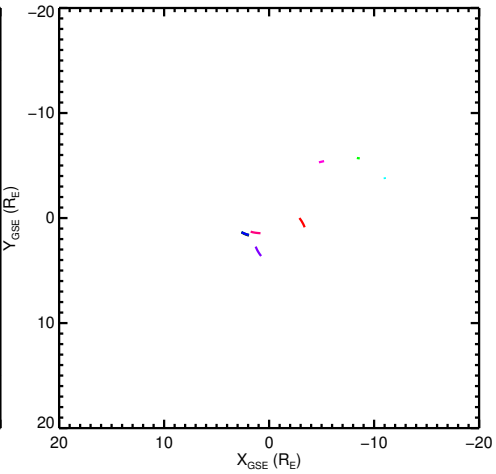




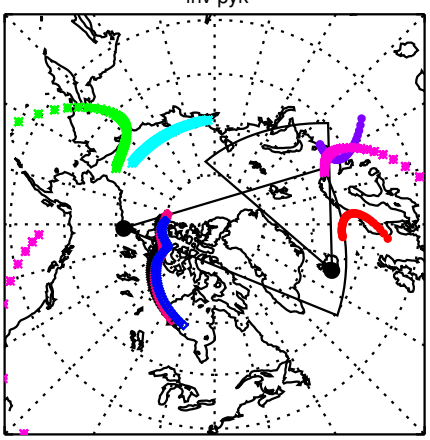
(d) 1320UT to 1350UT
adw hok







(e) 1600UT to 2015UT
inv pyk



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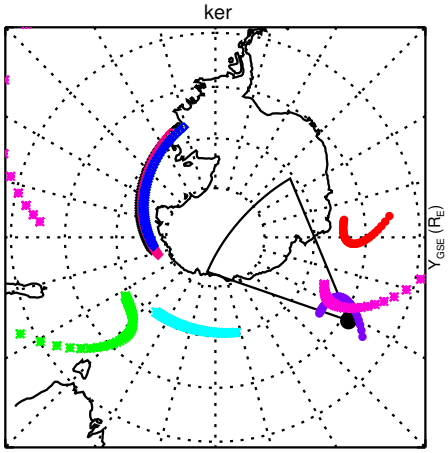
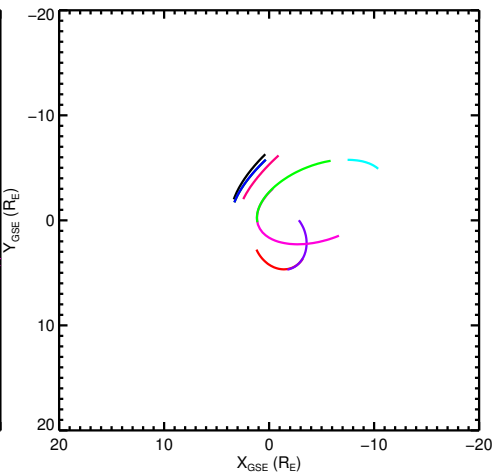
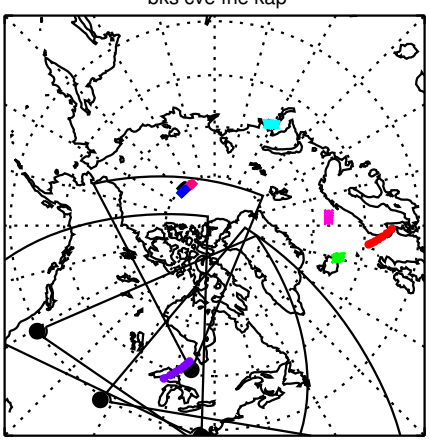
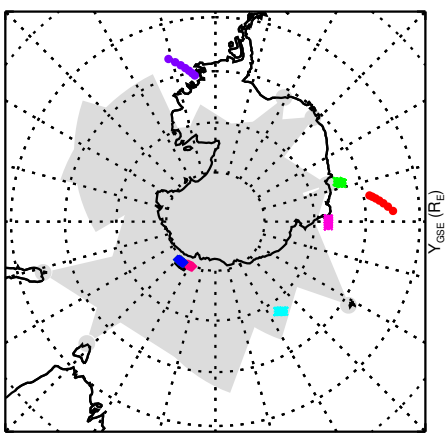
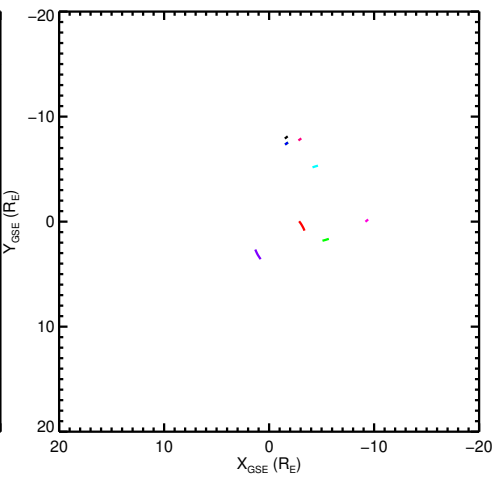




(f) 2220UT to 2250UT
bks cve fhe kap



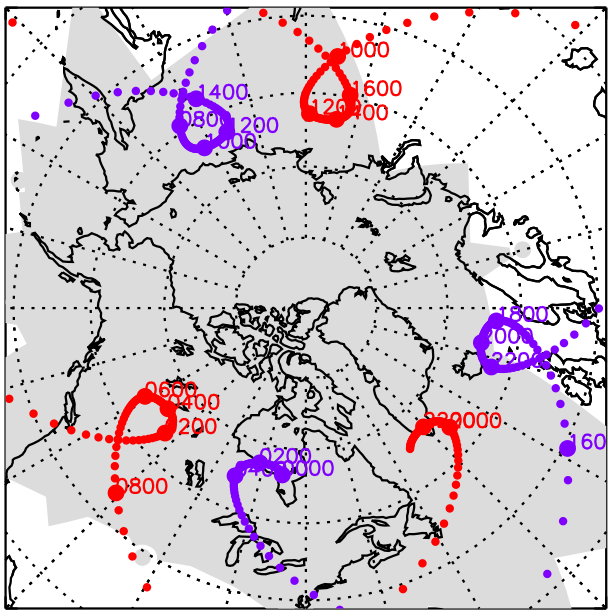


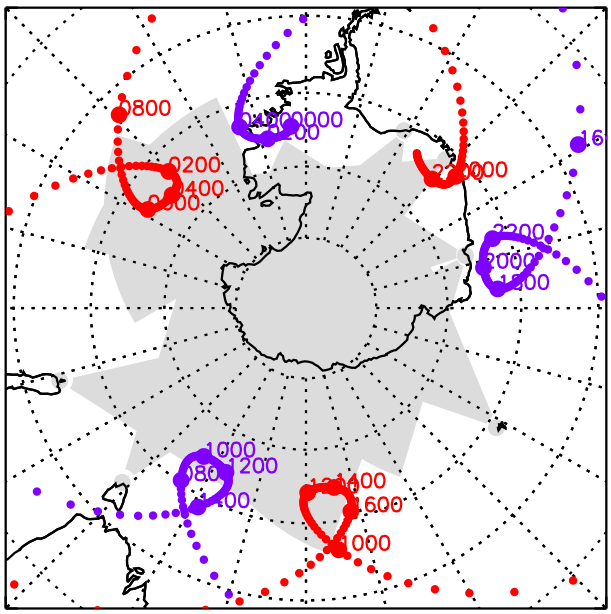


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

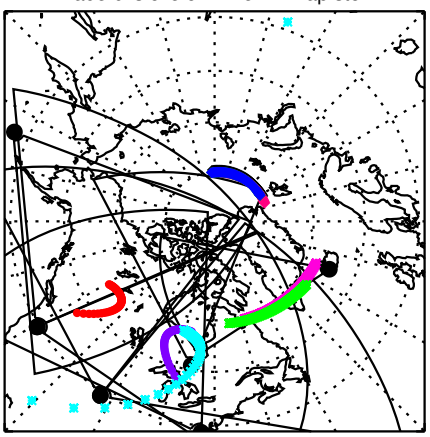
23–Jul–2013

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

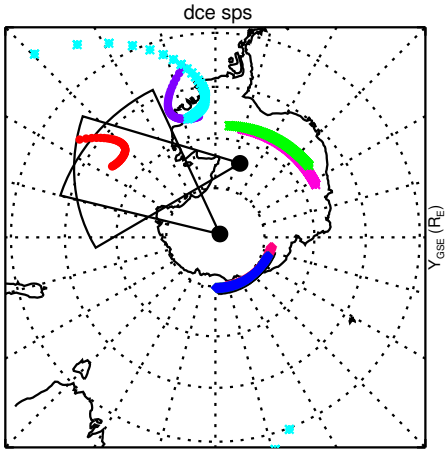


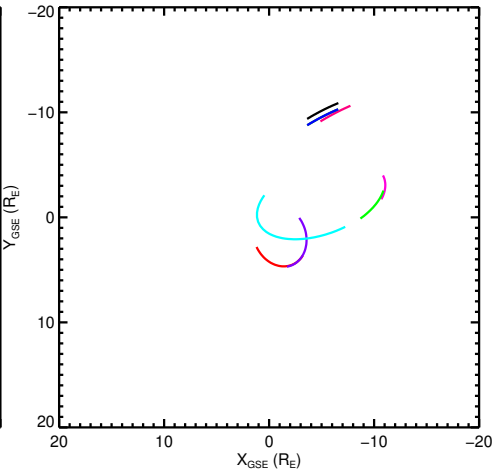


(a) 0100UT to 0515UT
ade bks cve cvw fhe fhw kap sto

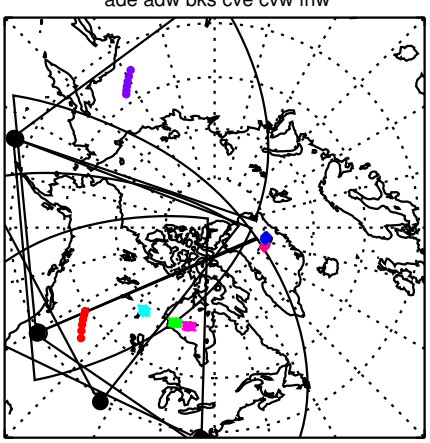


dce sps

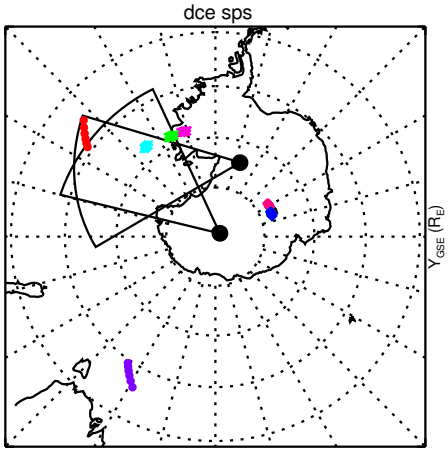


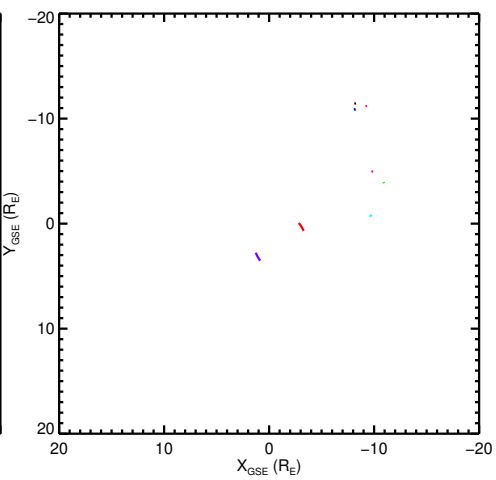


(b) 0725UT to 0750UT
ade adw bks cve cvw fhw

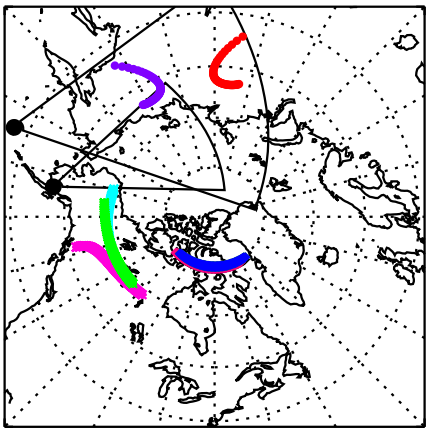


dce sps

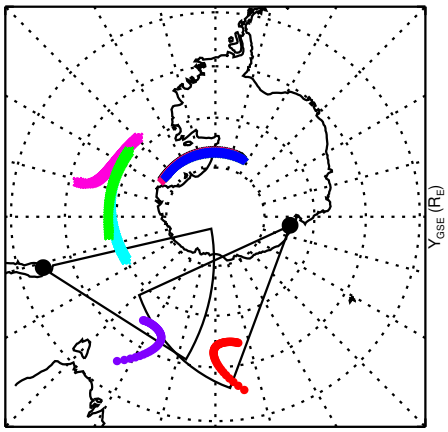


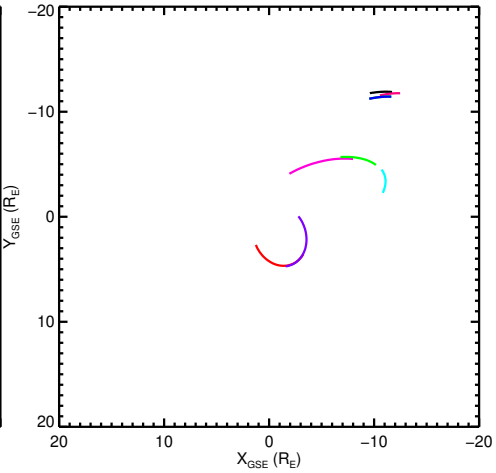


(c) 0955UT to 1420UT
adw ksr

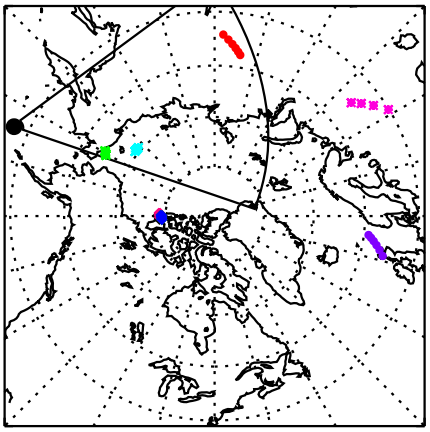


unw zho

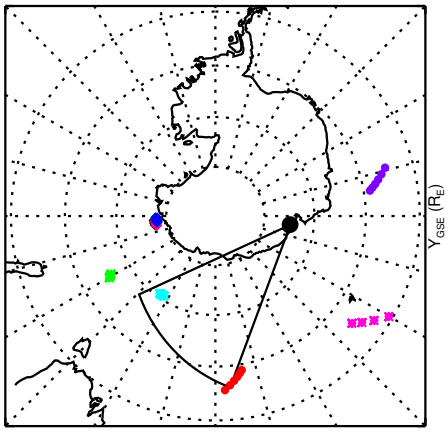


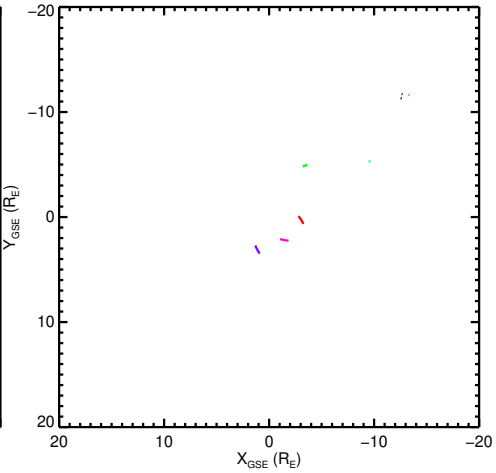


(d) 1625UT to 1650UT
adw

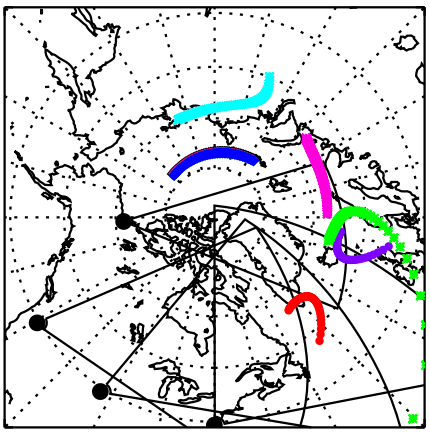


zho

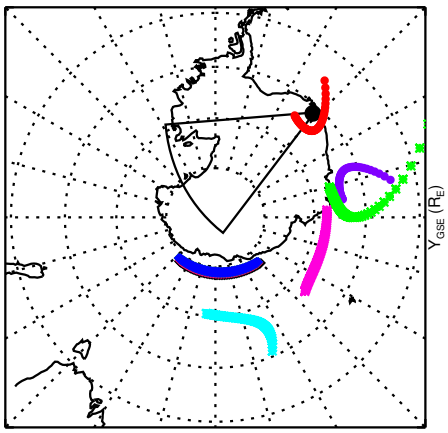


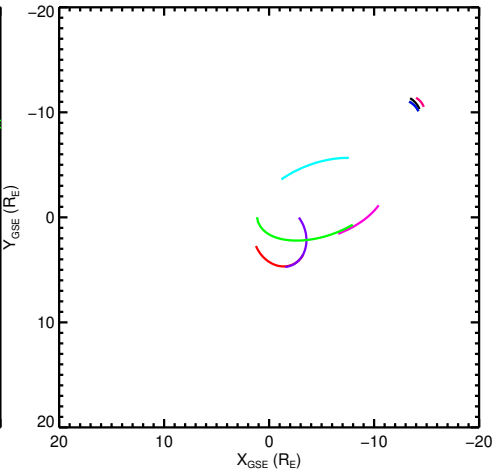


(e) 1855UT to 2320UT
cve fhe inv wal



san

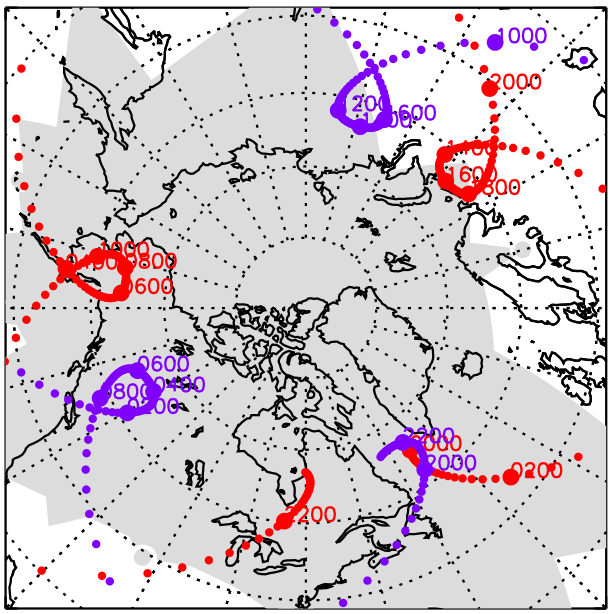


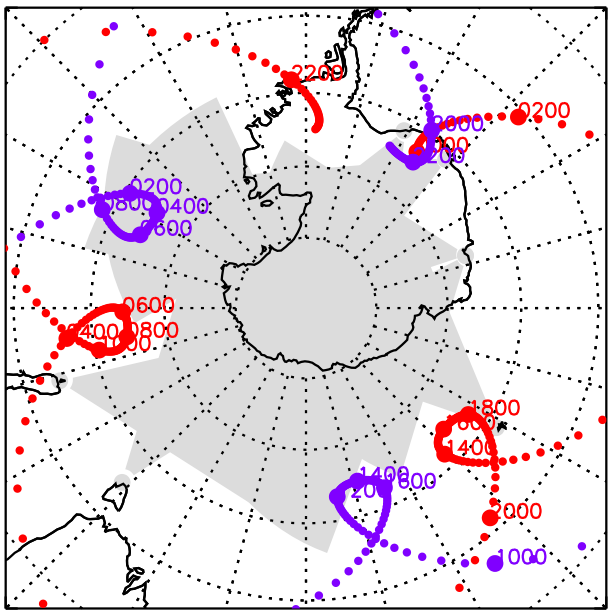


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

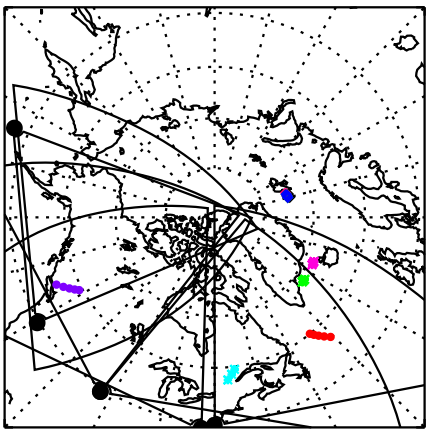
24–Jul–2013

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

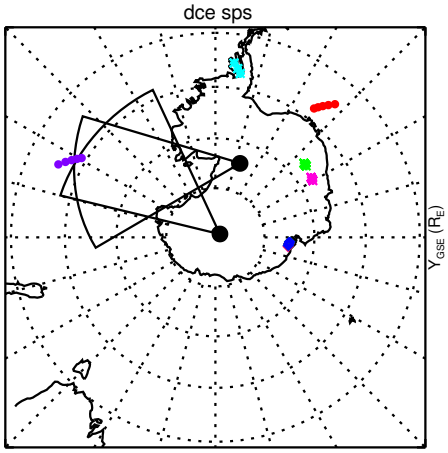


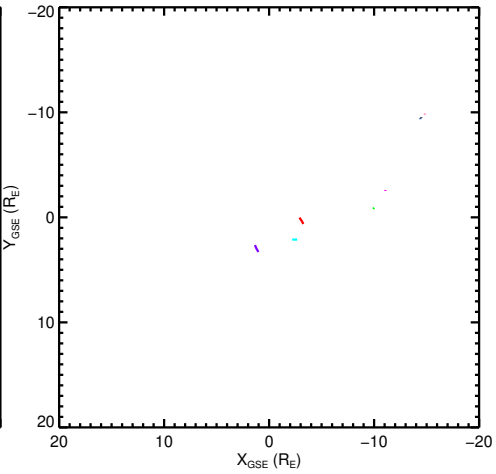


(a) 0125UT to 0145UT
ade bks cvw fhe fhw wal

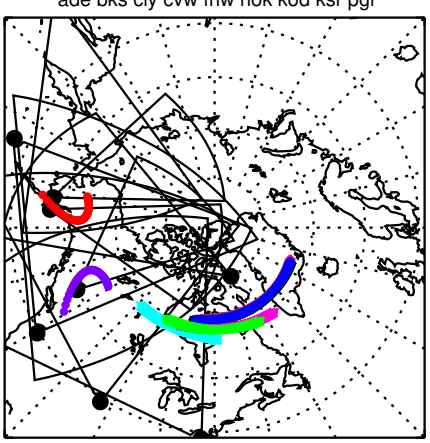


dce sps

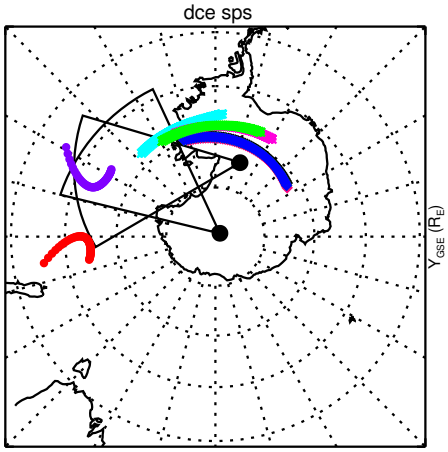


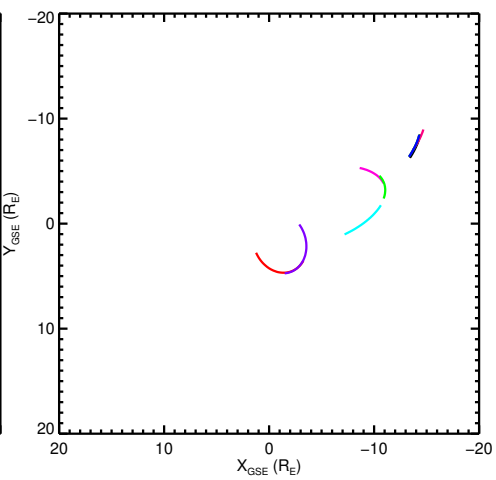


(b) 0355UT to 0820UT
ade bks cly cvw fhw hok kod ksr pgr

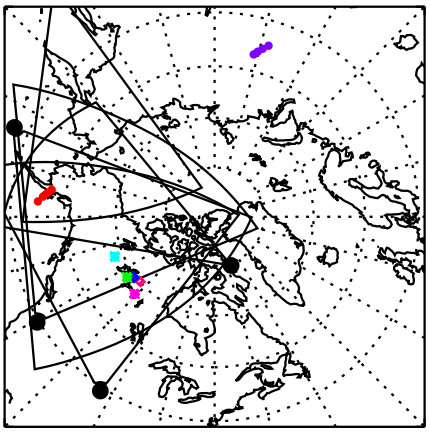


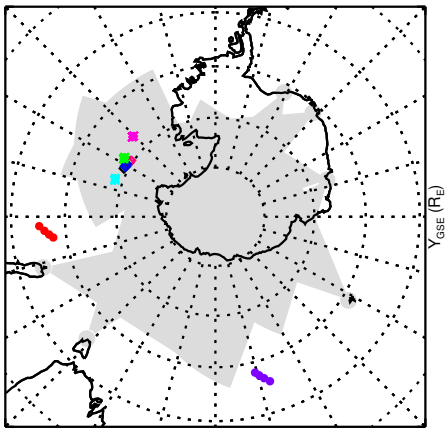
dce sps

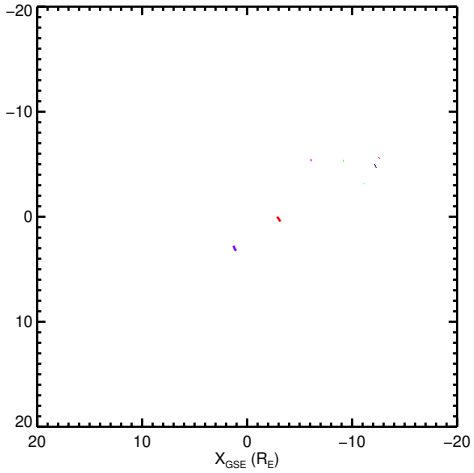




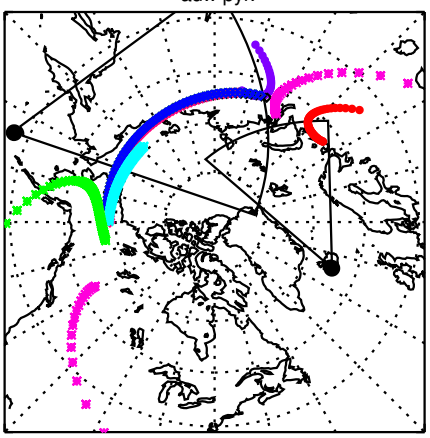
(c) 1030UT to 1045UT
ade cly cvw fhw hok



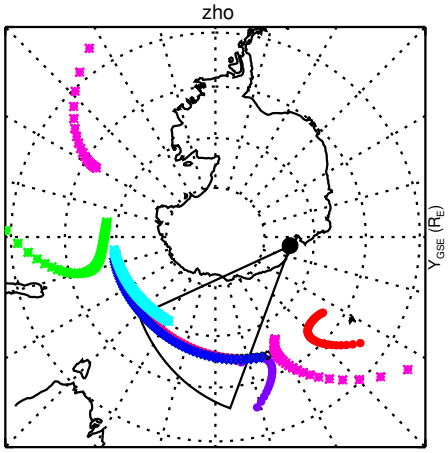


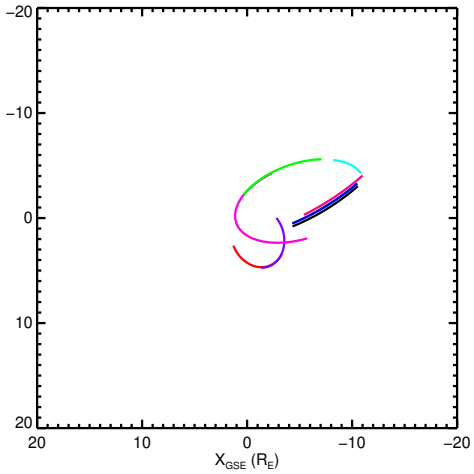


(d) 1250UT to 1725UT
adw pyk

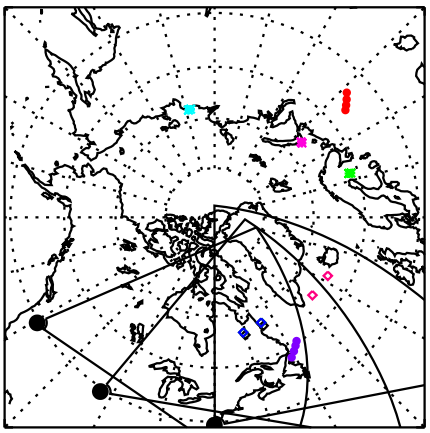


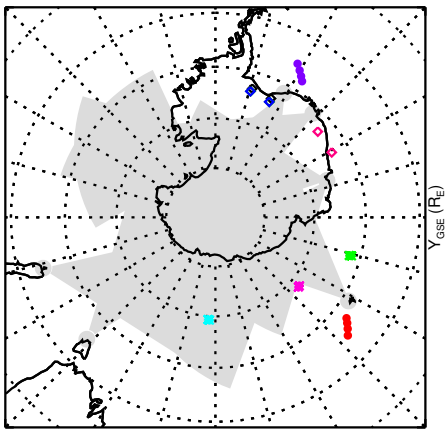
zho

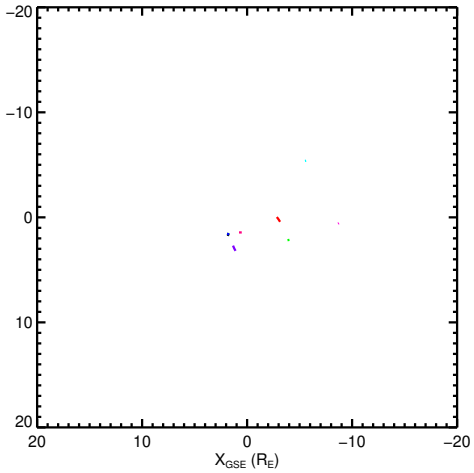




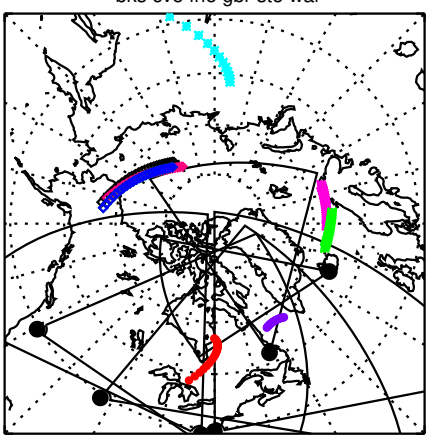
(e) 1930UT to 1945UT
cve fhe wal



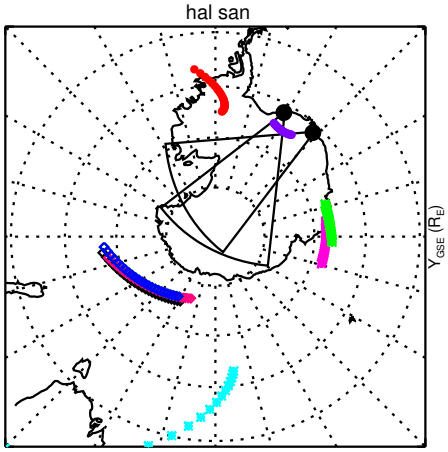


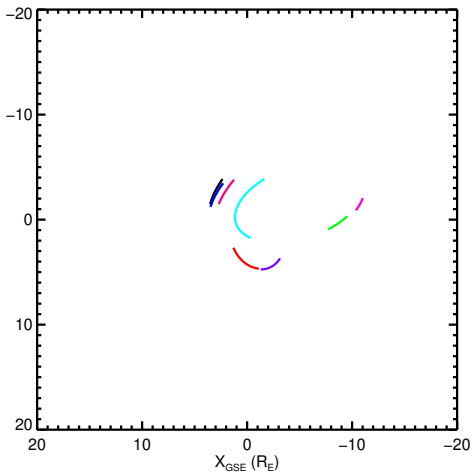


(f) 2150UT to 2355UT
bks cve fhe gbr sto wal



hal san

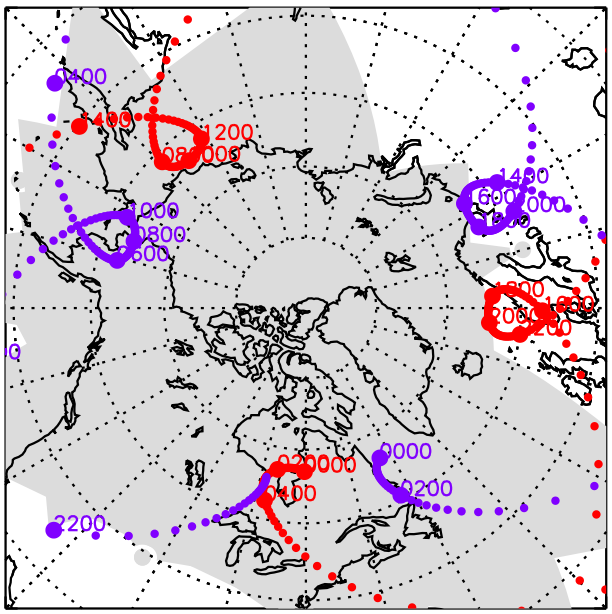


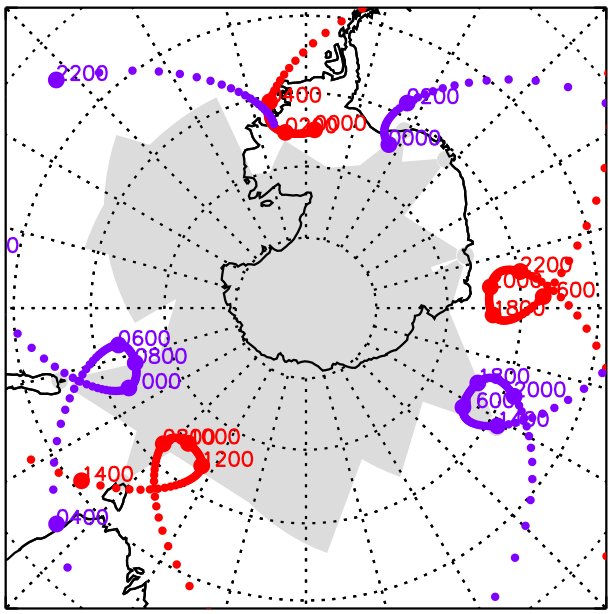


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

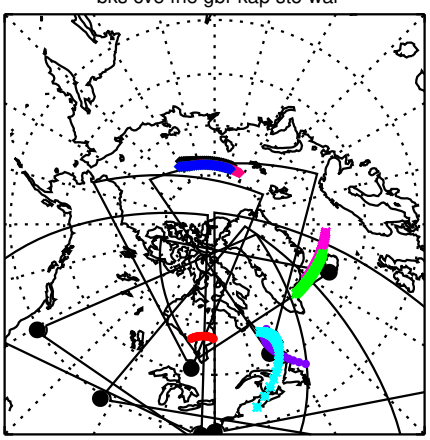
25–Jul–2013

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

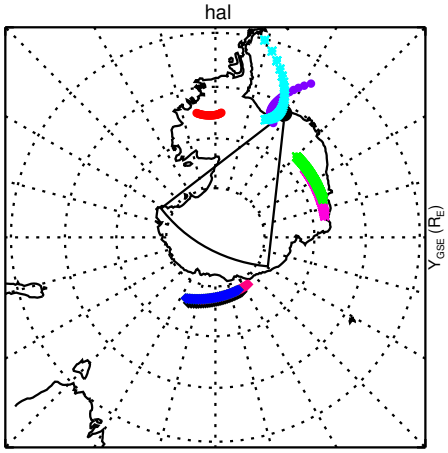


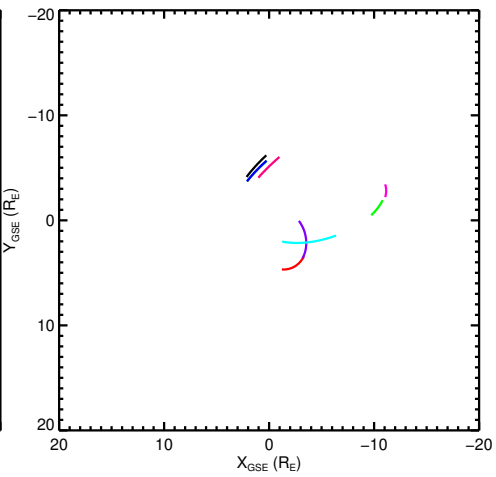


(a) 0000UT to 0225UT
bks cve fhe gbr kap sto wal

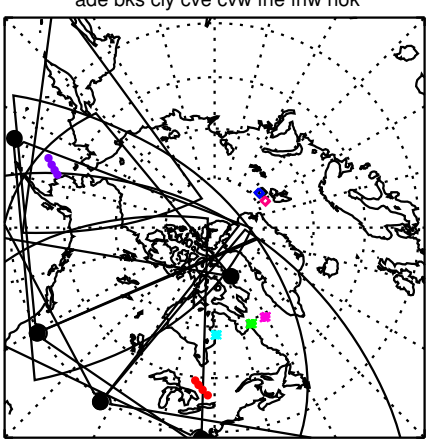


hal

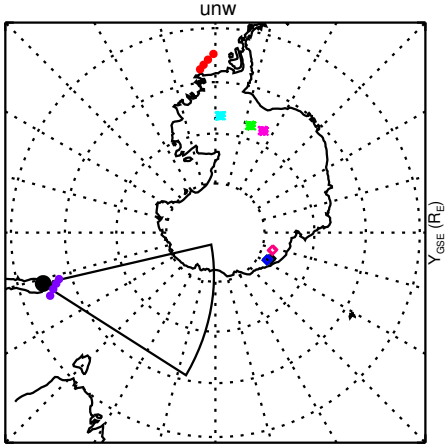


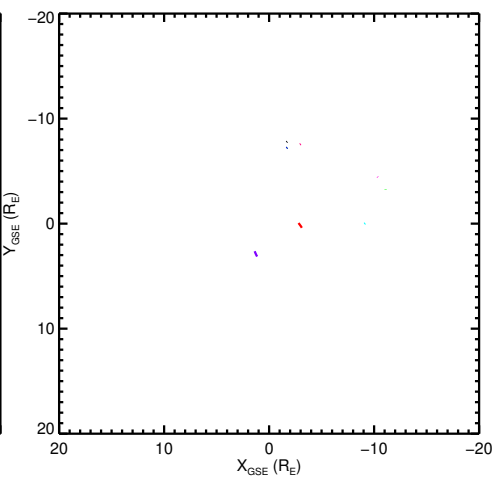


(b) 0430UT to 0445UT
ade bks cly cve cvw fhe fhw hok

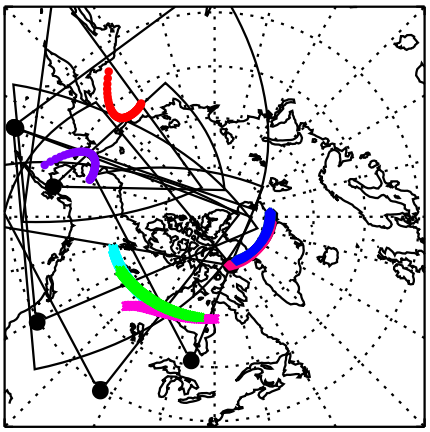


unw

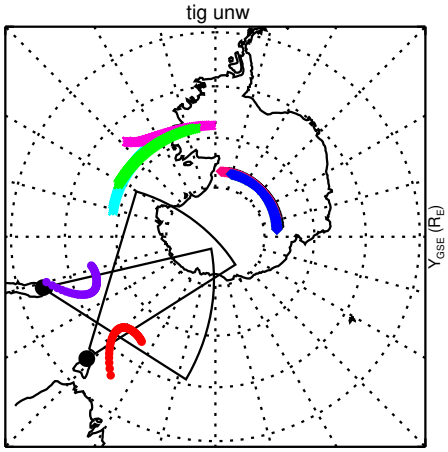


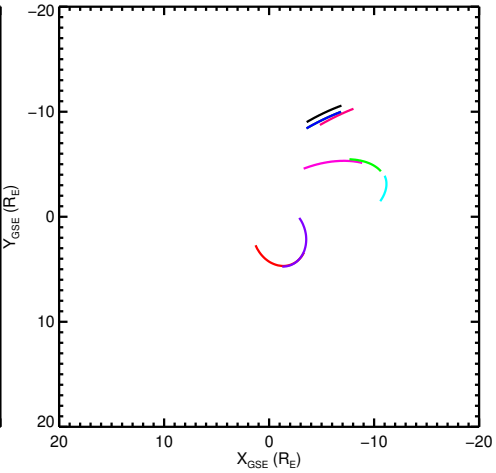


(c) 0650UT to 1125UT
ade adw cly cvw fhw hok kap ksr

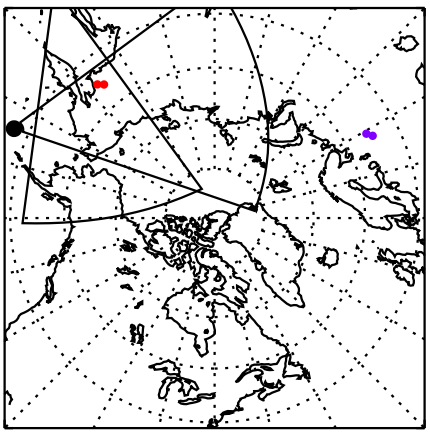


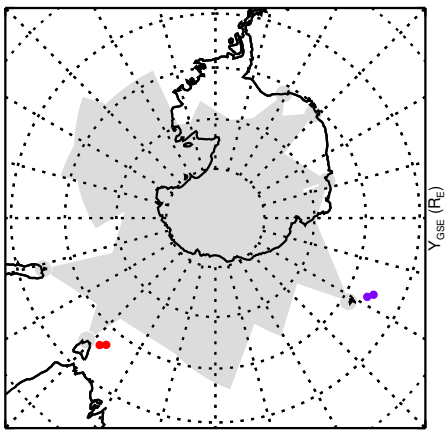
tig unw

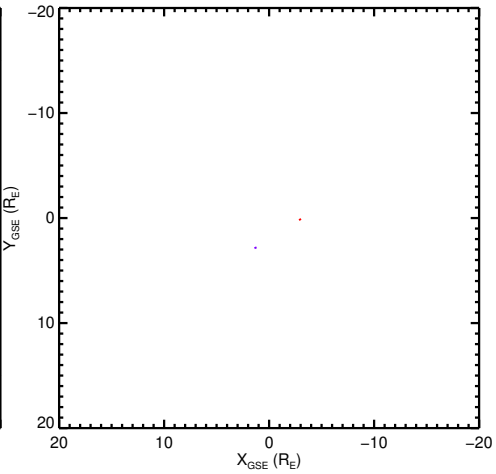




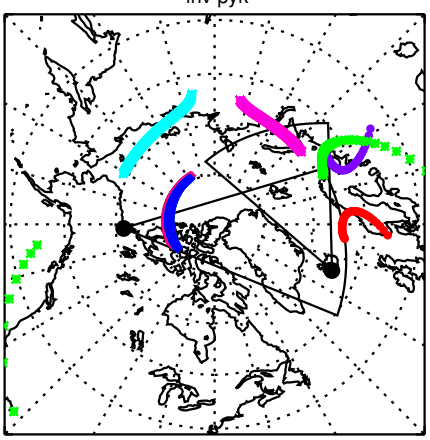
(d) 1335UT to 1340UT
adw hok



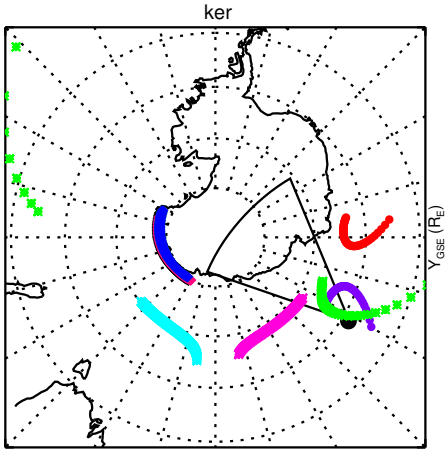


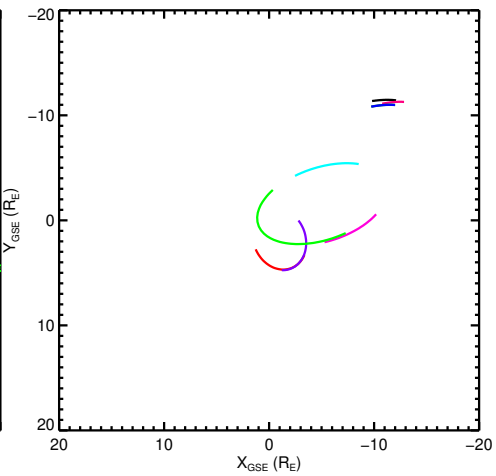


(e) 1550UT to 2030UT
inv pyk

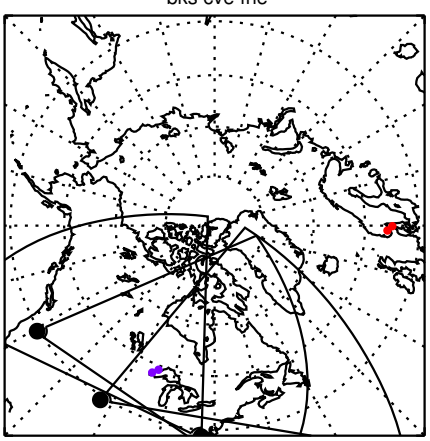


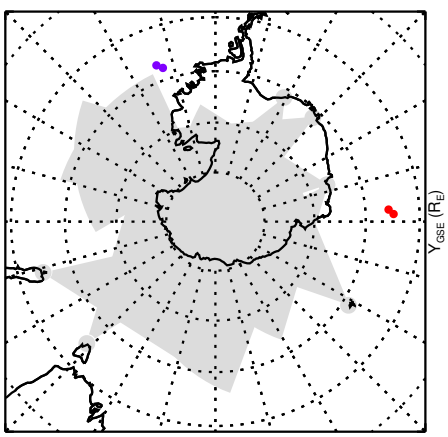
ker

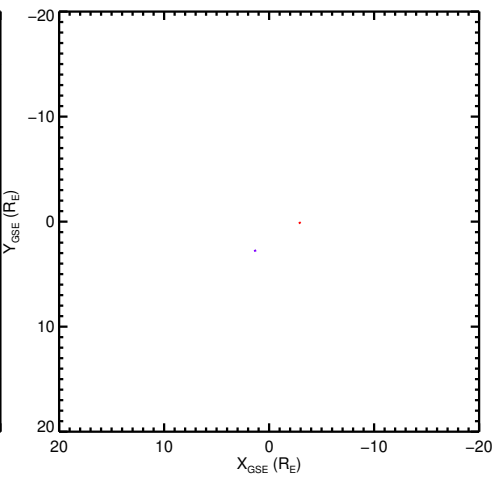




(f) 2235UT to 2240UT
bks cve fhe



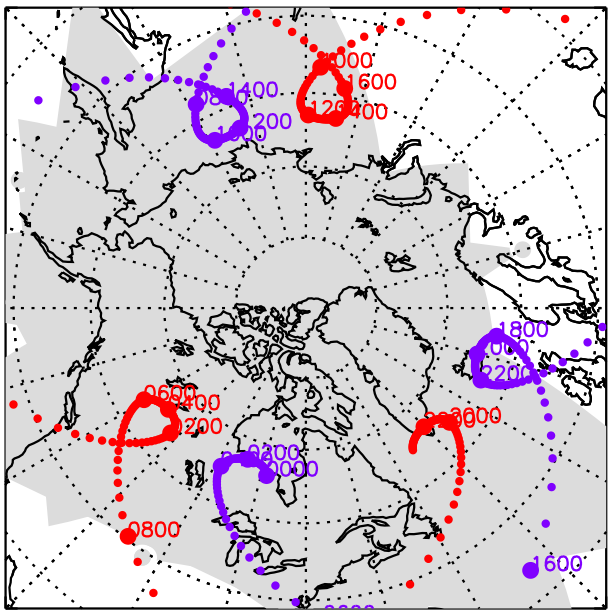


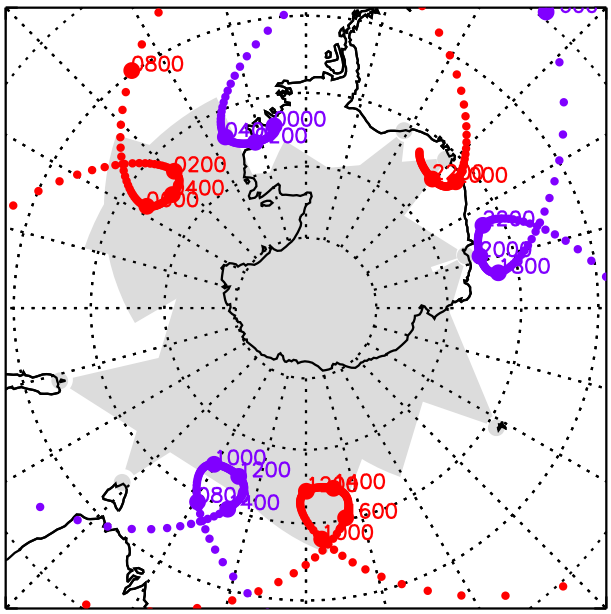


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

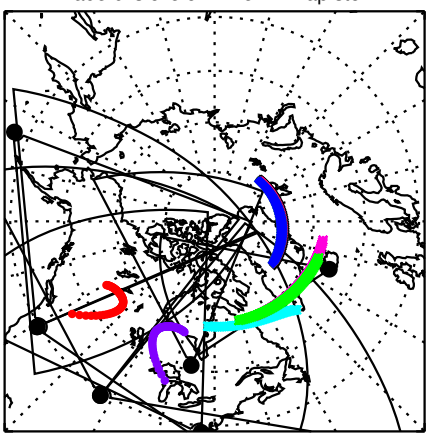
26–Jul–2013

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

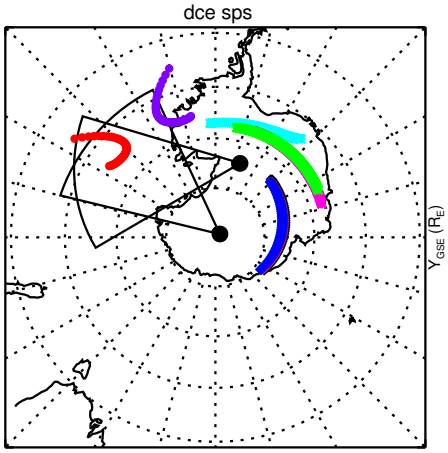


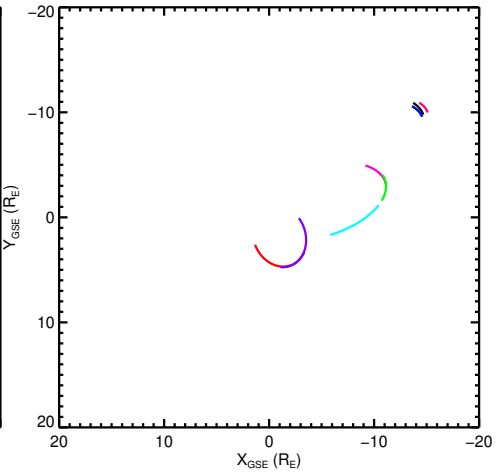


(a) 0045UT to 0530UT
ade bks cve cvw fhe fhw kap sto

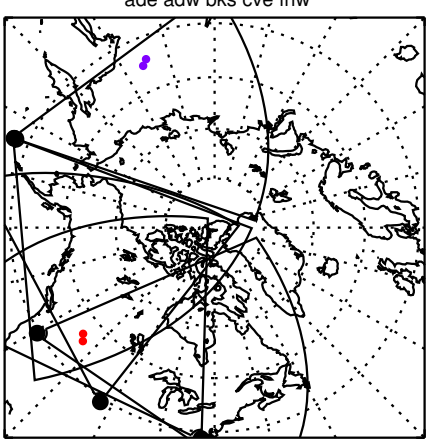


dce sps

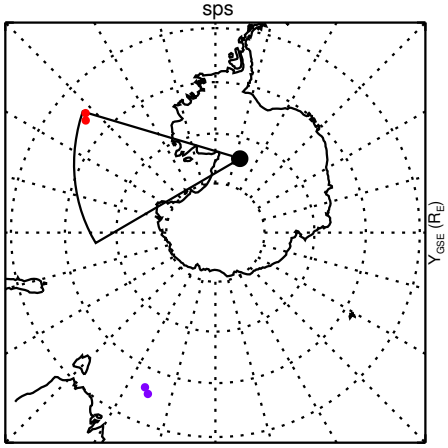


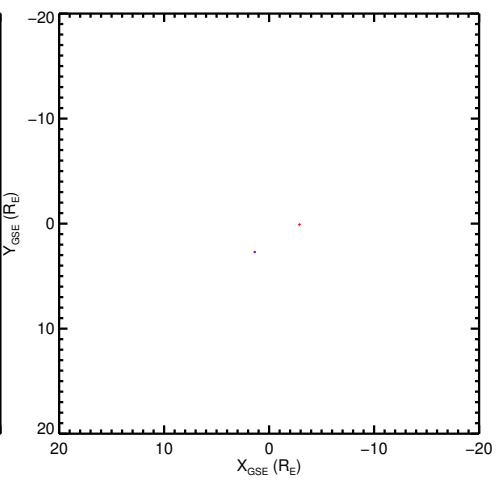


(b) 0735UT to 0740UT
ade adw bks cve fhw

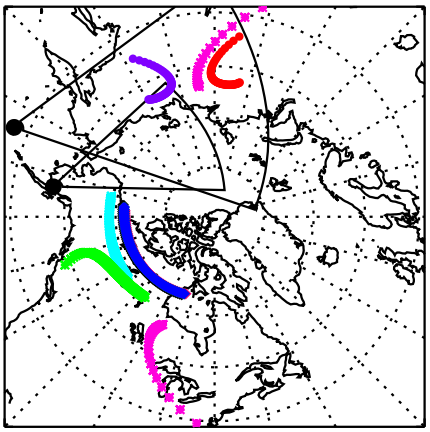


sps

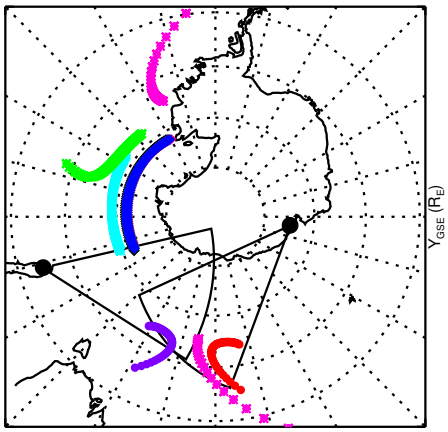


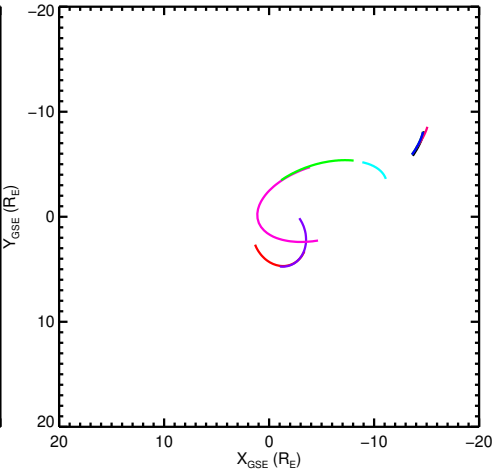


(c) 0945UT to 1430UT
adw ksr

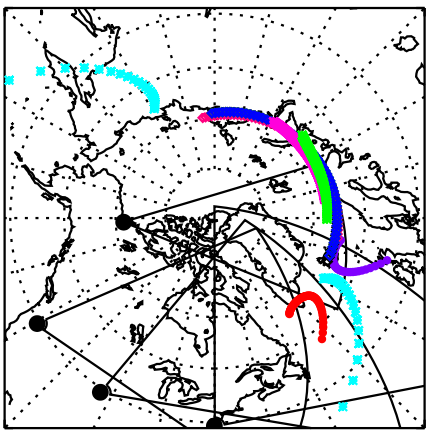


unw zho

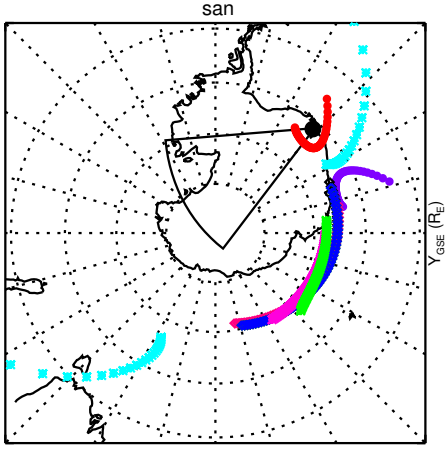


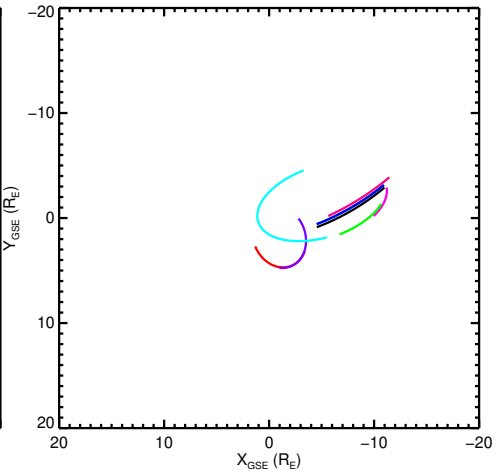


(d) 1845UT to 2335UT
cve fhe inv wal



san

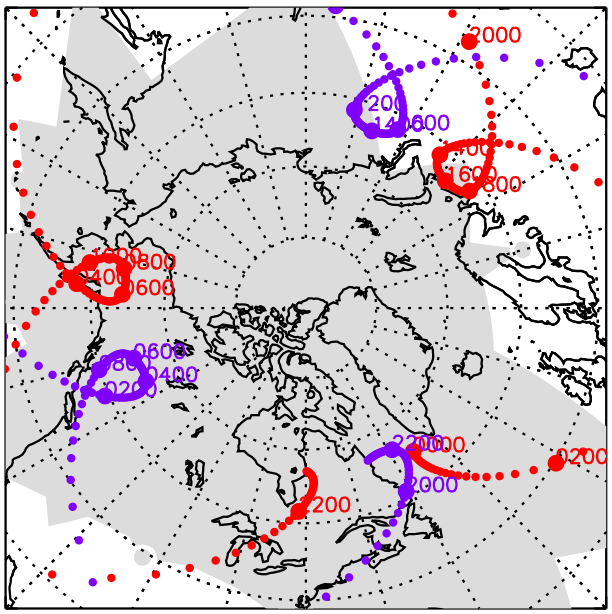


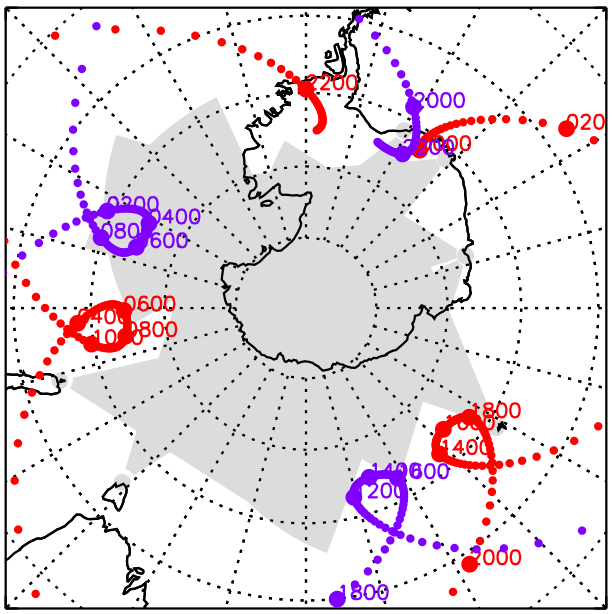


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

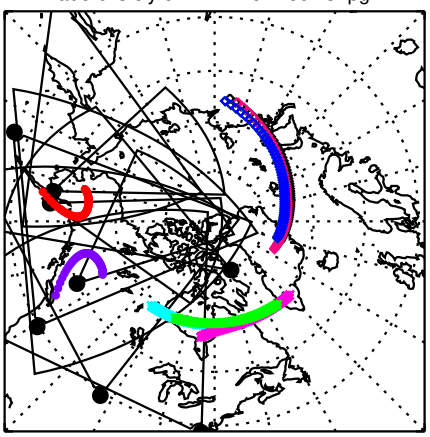
27–Jul–2013

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

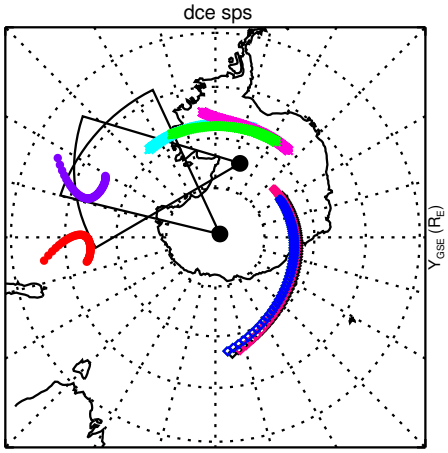


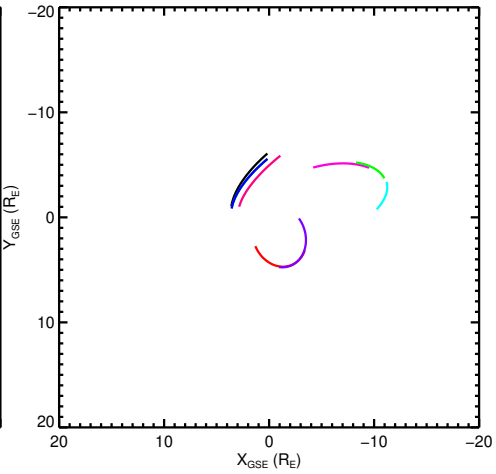


(a) 0345UT to 0835UT
ade bks cly cvw fhw hok kod ksr pgr

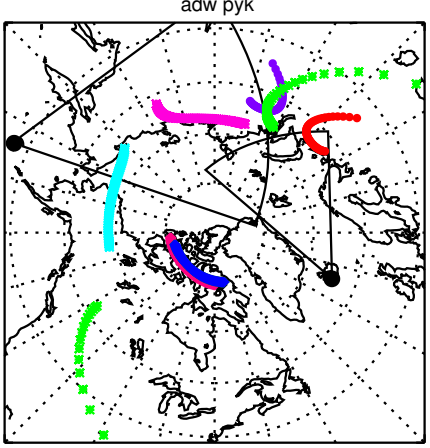


dce sps

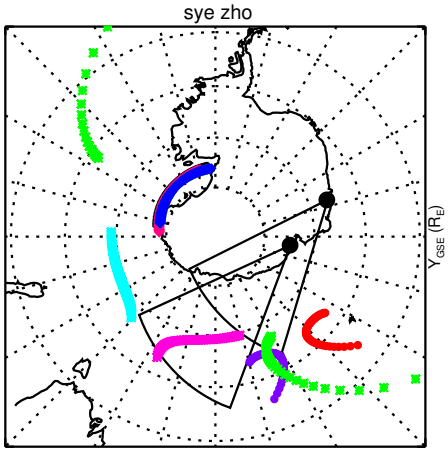


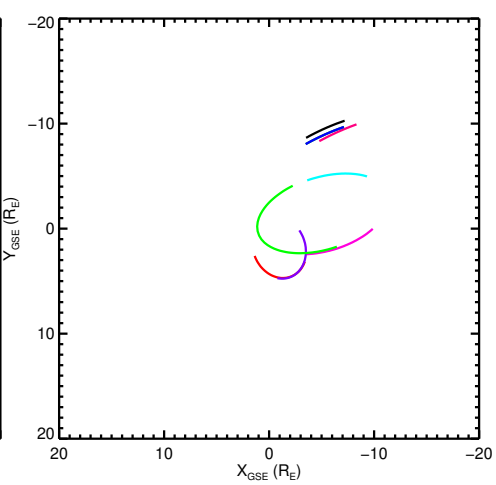


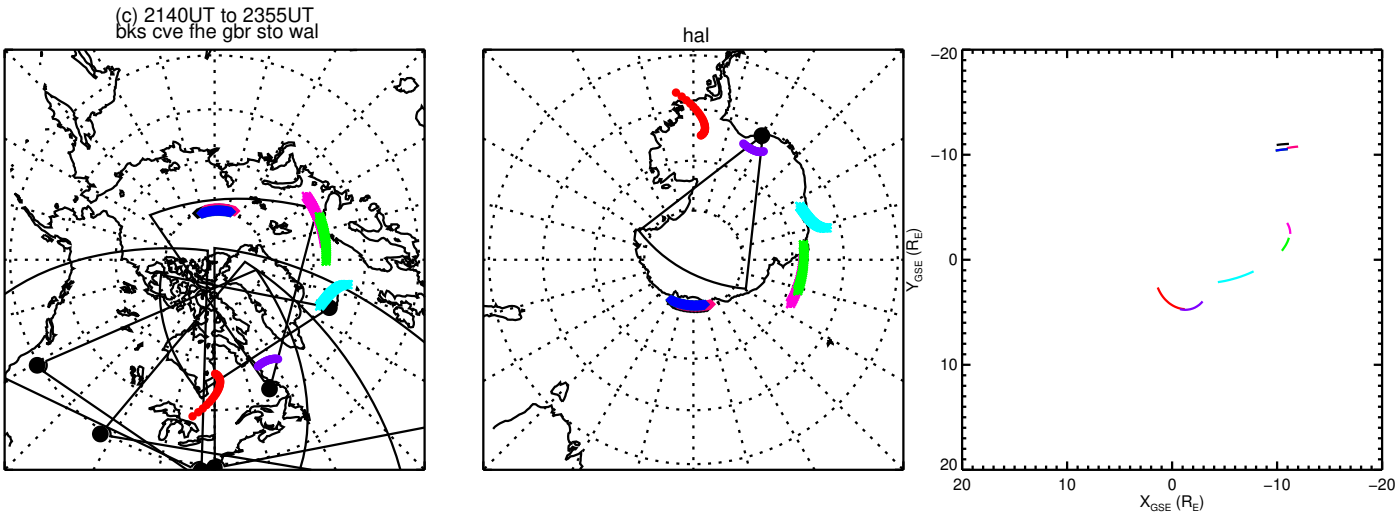
(b) 1240UT to 1735UT
adw pyk



sye zho



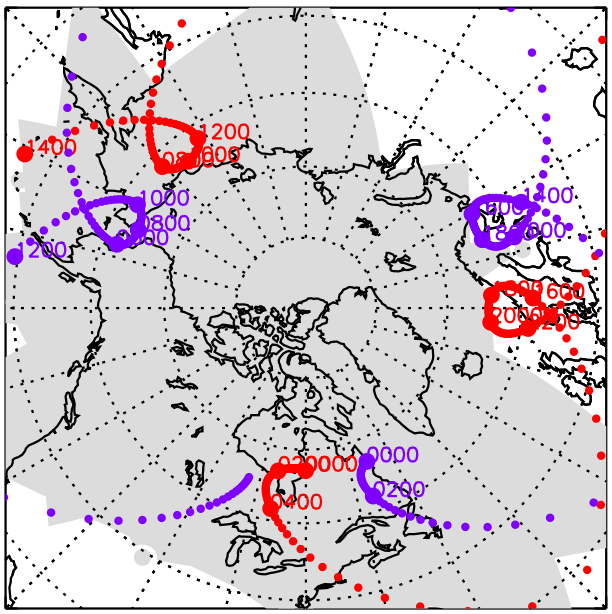


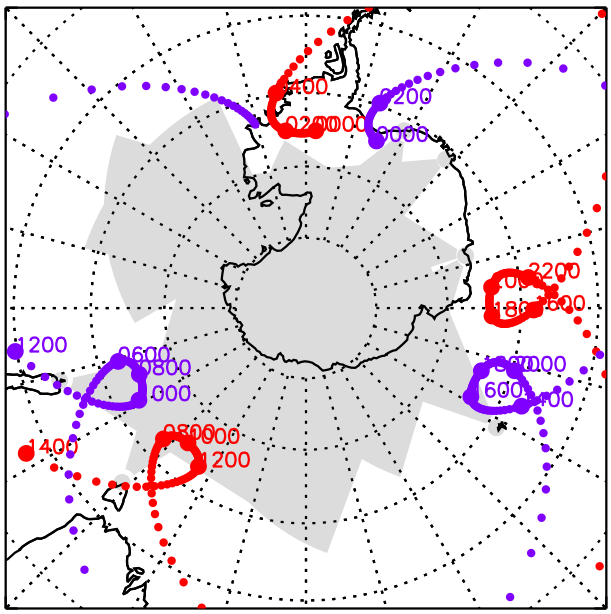

(c) 2140UT to 2355UT
bks cve fhe gbr sto wal
hal
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

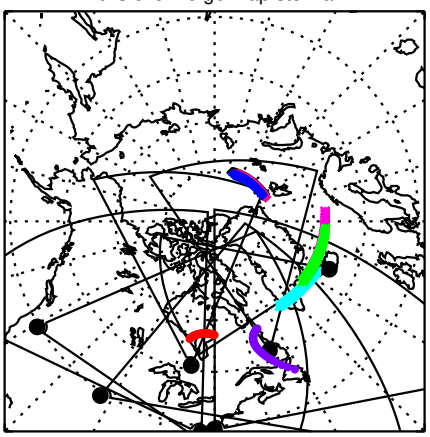
28–Jul–2013

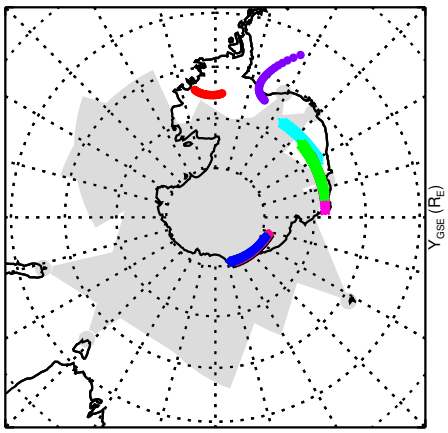
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

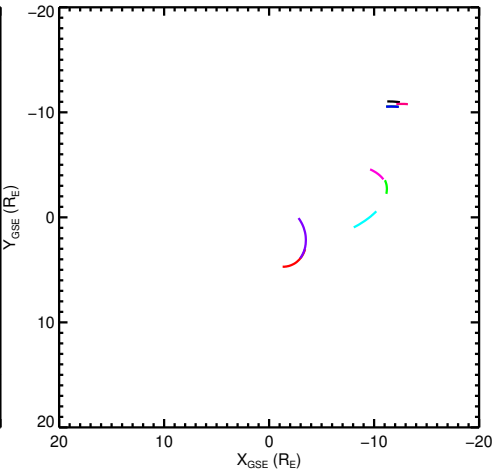




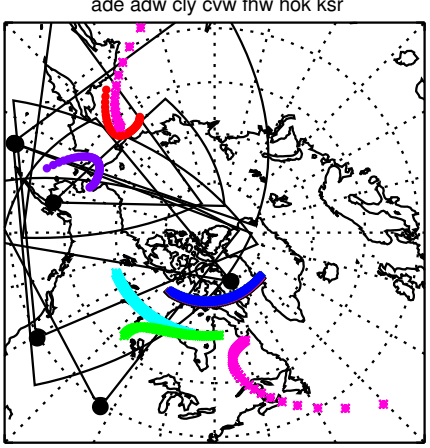
(a) 0000UT to 0240UT
bks cve fhe gbr kap sto wal



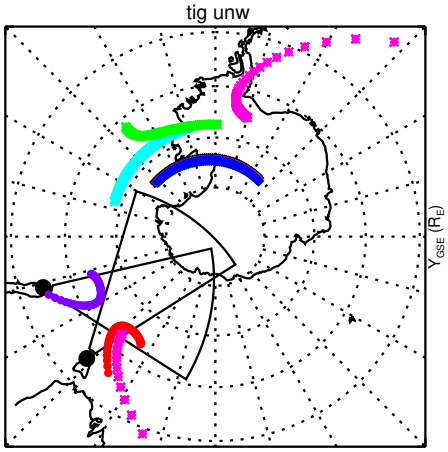


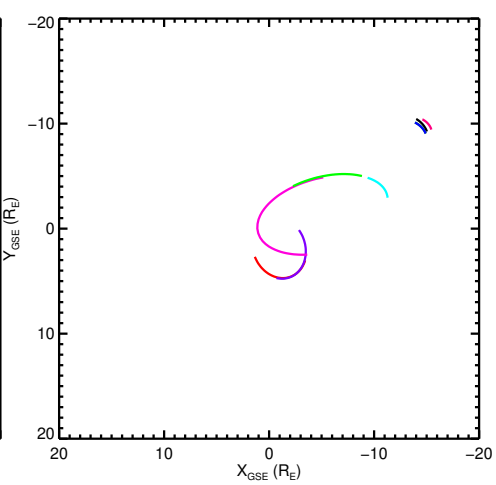


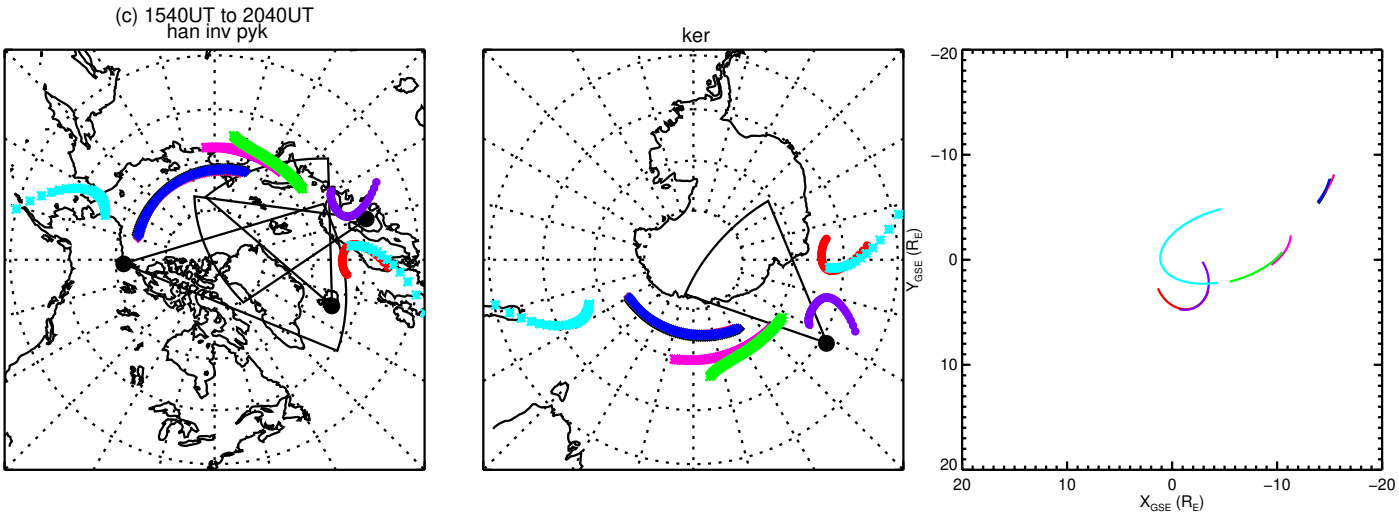
(b) 0640UT to 1140UT
ade adw cly cvw fhw hok ksr



tig unw



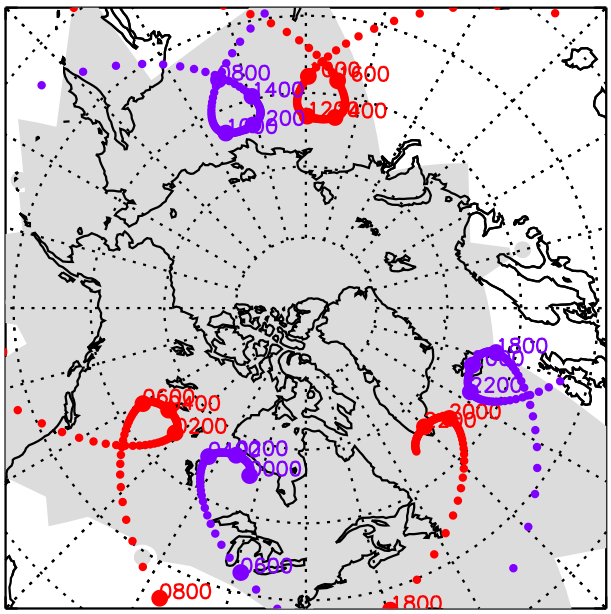


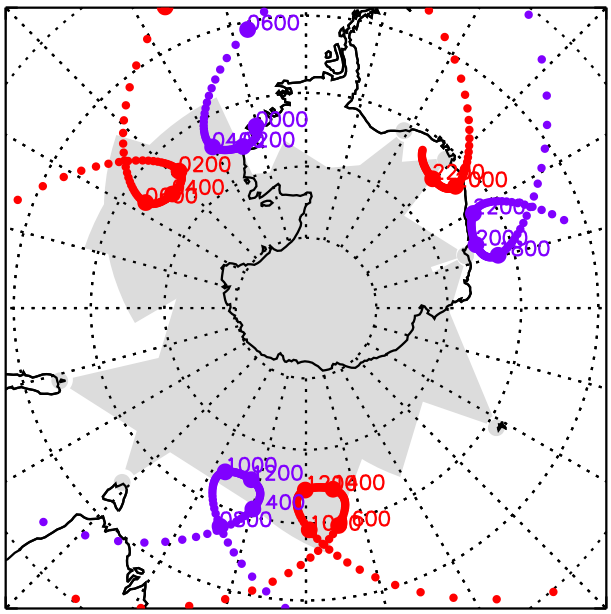

(c) 1540UT to 2040UT
han inv pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

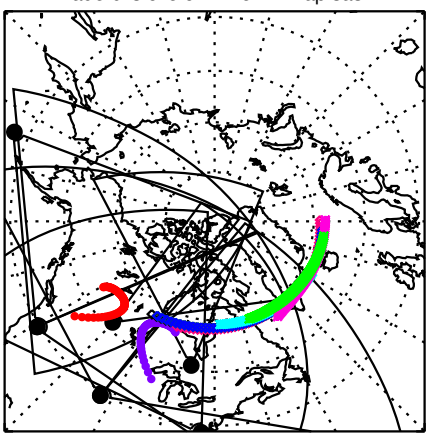
29–Jul–2013

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

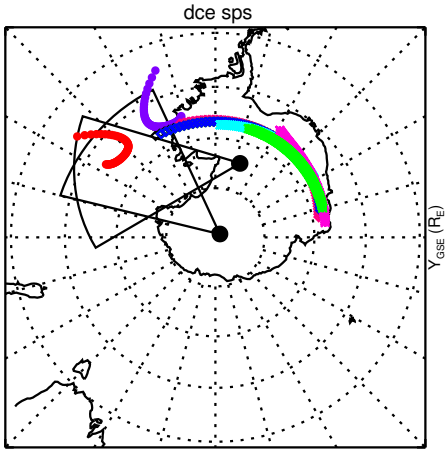


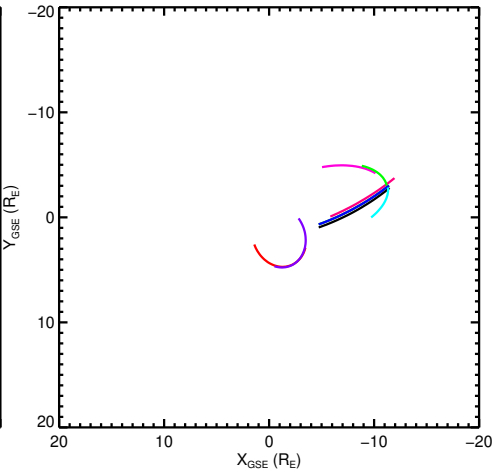


(a) 0035UT to 0545UT
ade bks cve cvw fhe fhw kap sas

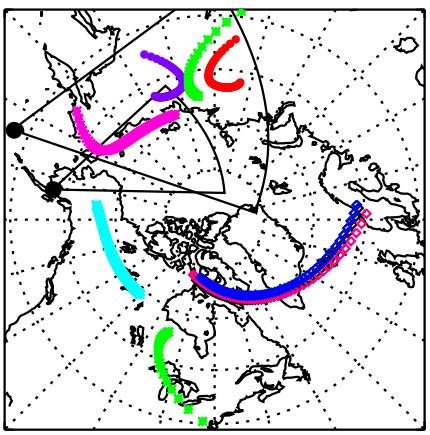


dce sps

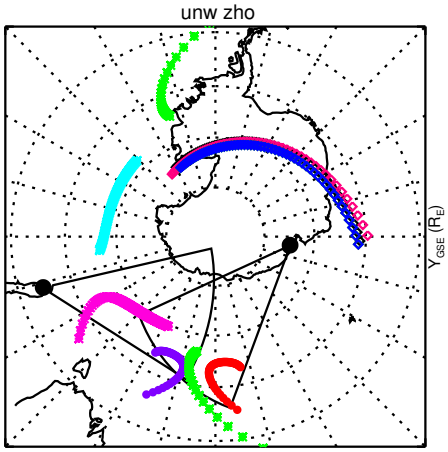


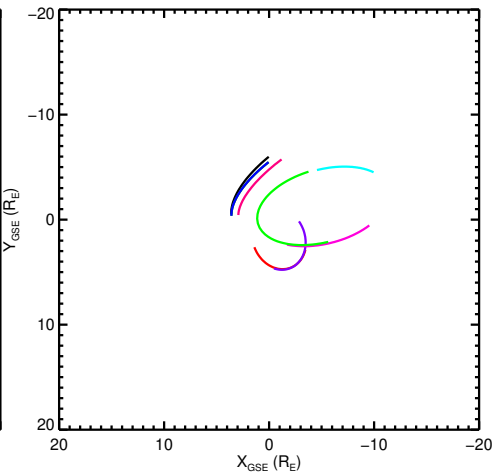


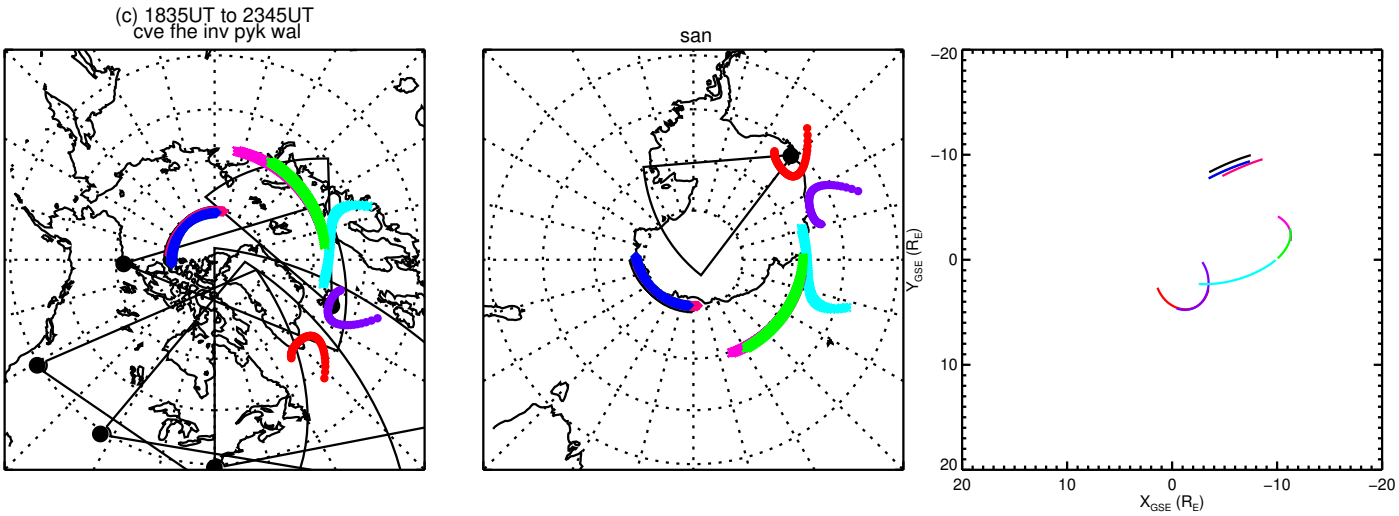
(b) 0935UT to 1445UT
adw ksr



unw zho



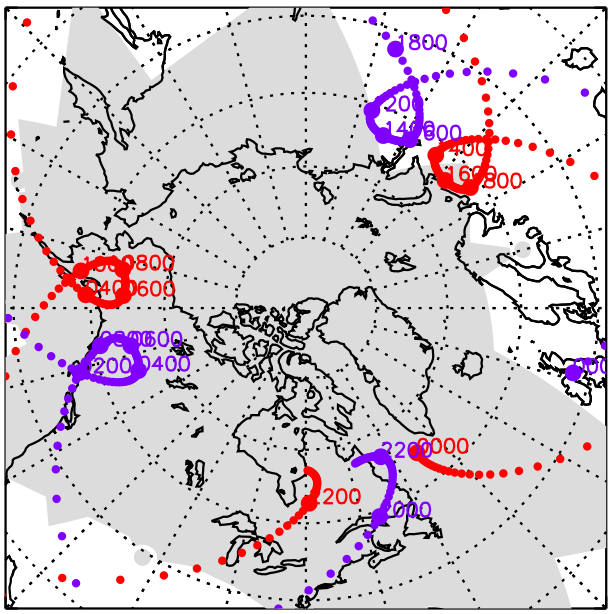


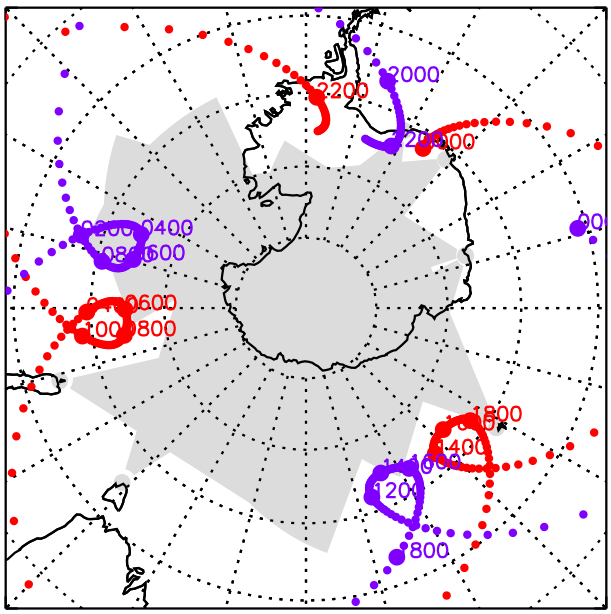

(c) 1835UT to 2345UT
cve fhe inv pyk wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

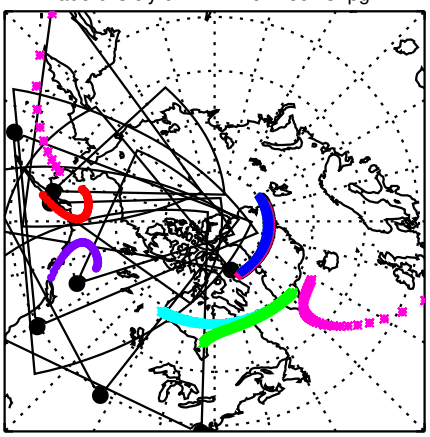
30–Jul–2013

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

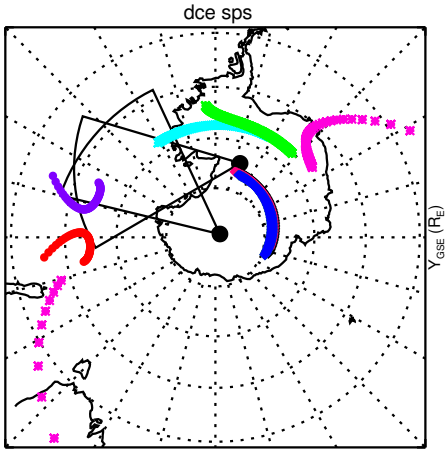


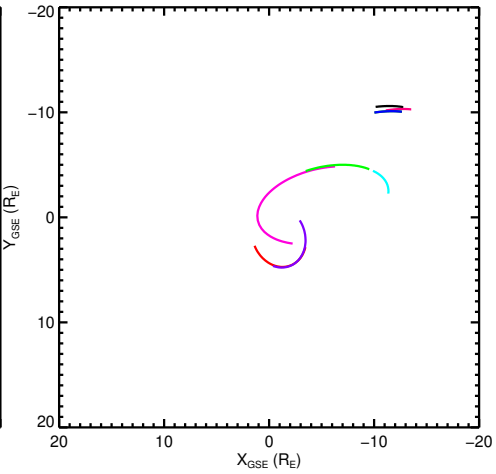


(a) 0335UT to 0845UT
ade bks cly cvw fhw hok kod ksr pgr

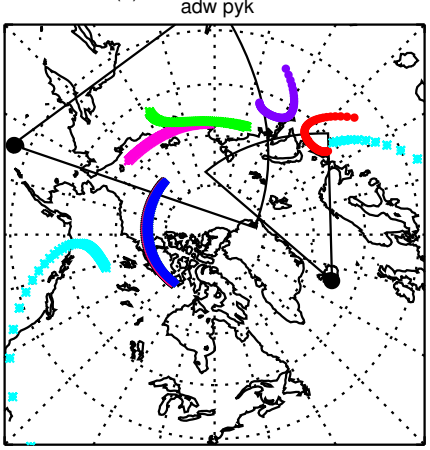


dce sps

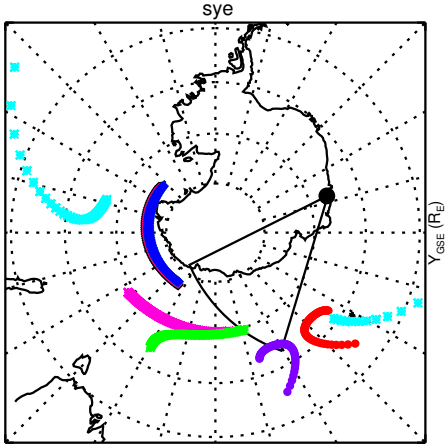


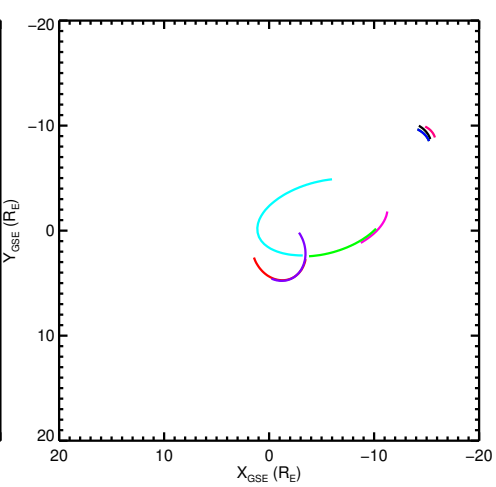


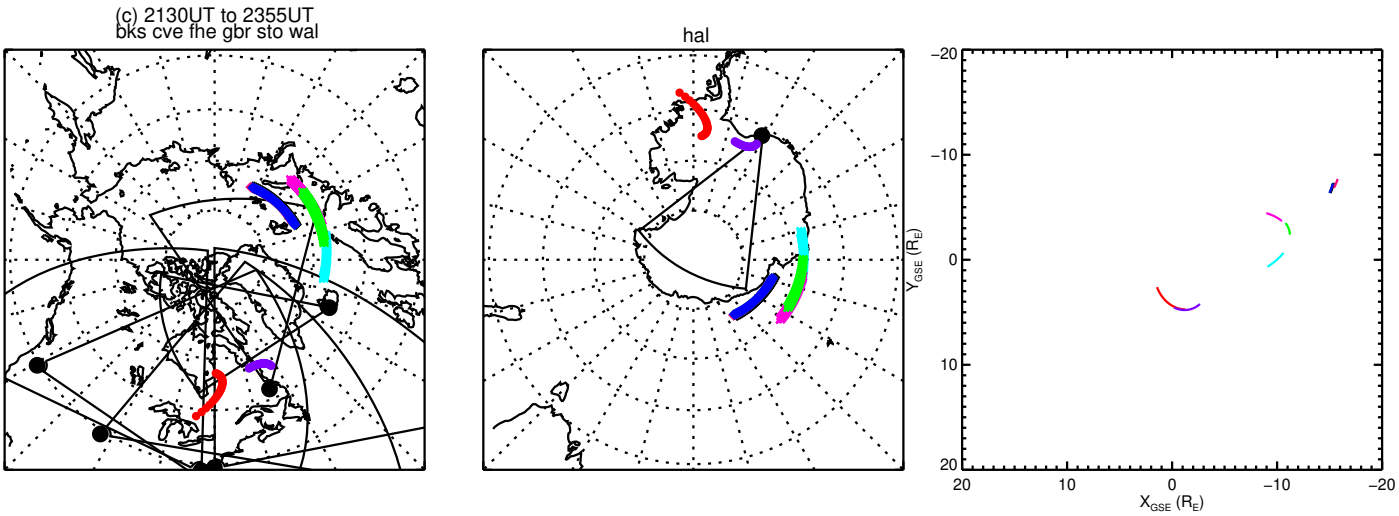
(b) 1230UT to 1750UT
adw pyk



sye



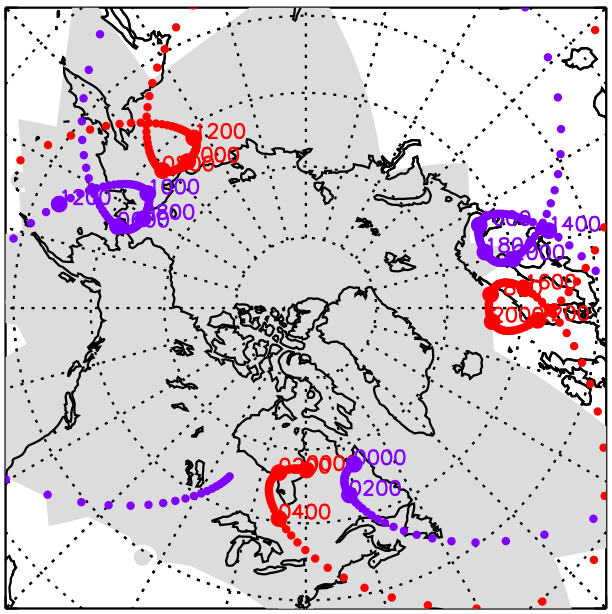


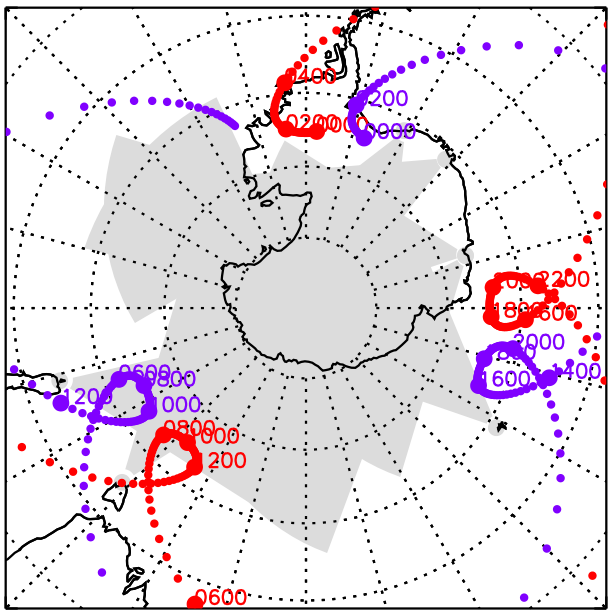

(c) 2130UT to 2355UT
bks cve fhe gbr sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

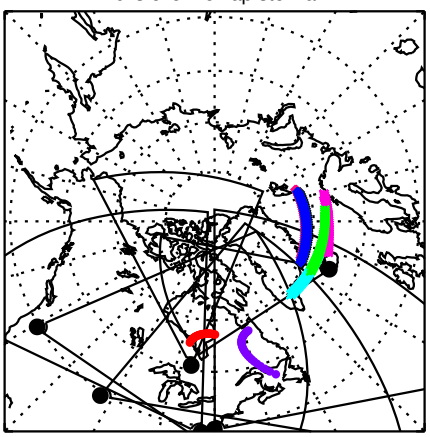
31–Jul–2013

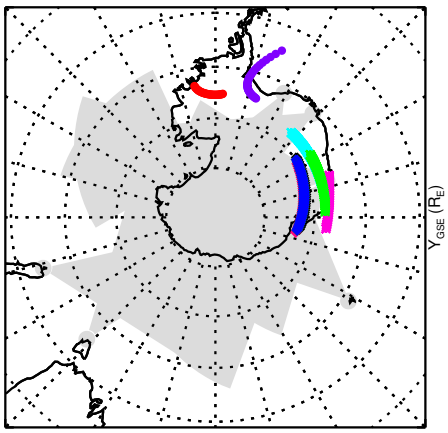
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

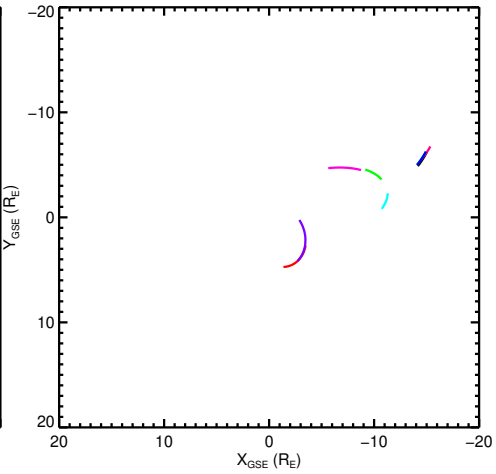




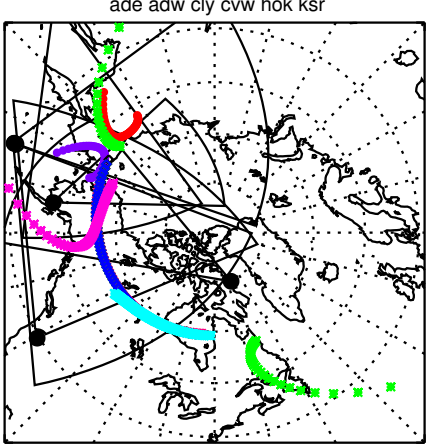
(a) 0000UT to 0250UT
bks cve fhe kap sto wal



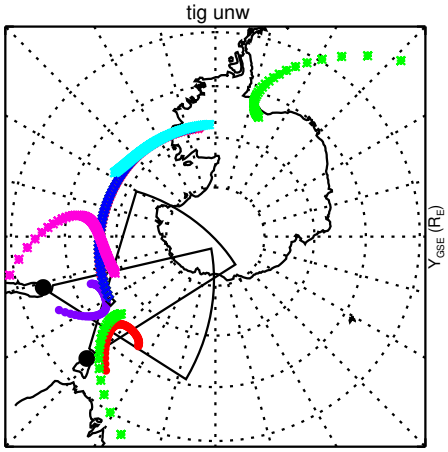


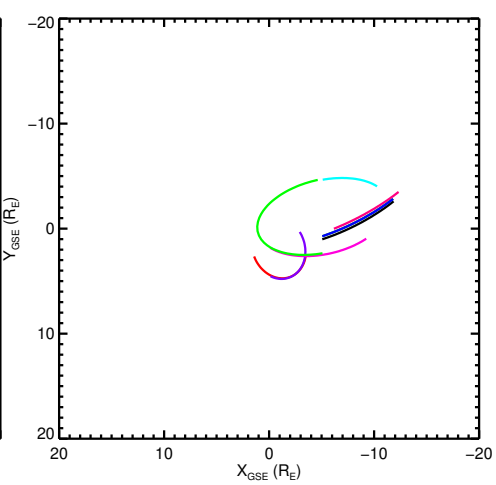


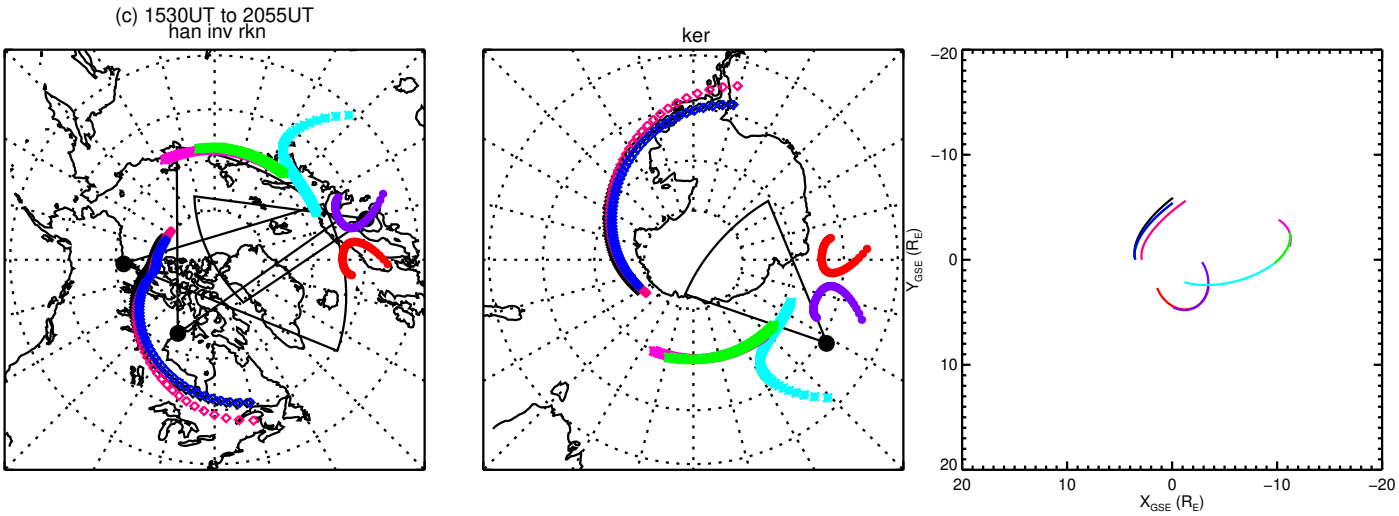
(b) 0630UT to 1150UT
ade adw cly cvw hok ksr



tig unw






(c) 1530UT to 2055UT
han inv rkn
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)