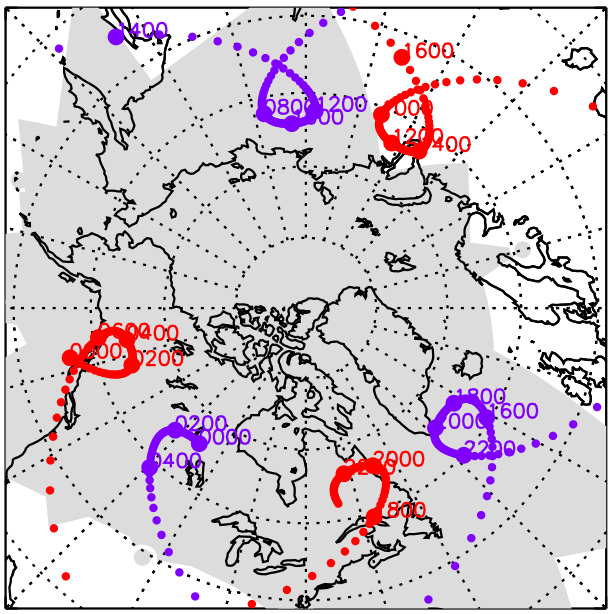
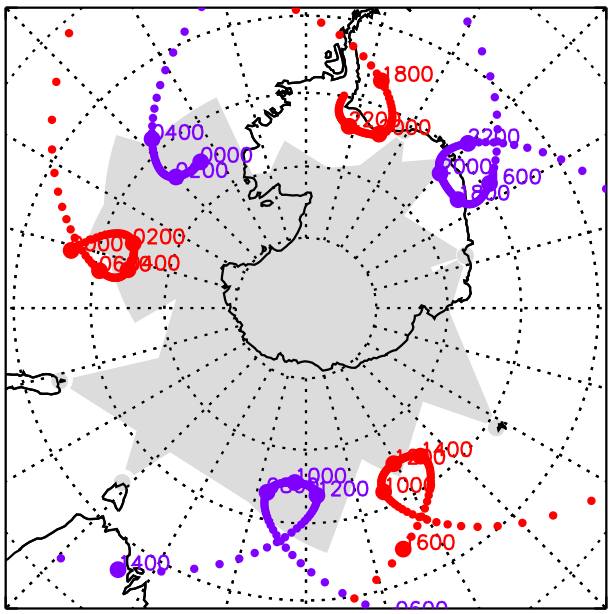
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

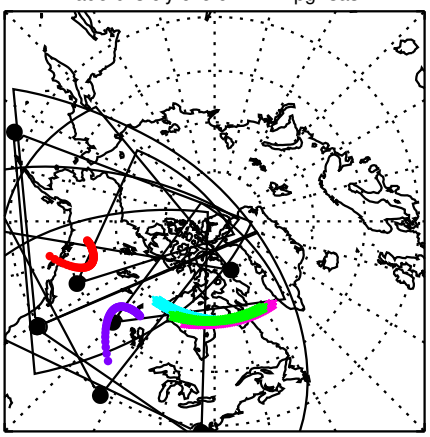
01−Oct−2013

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

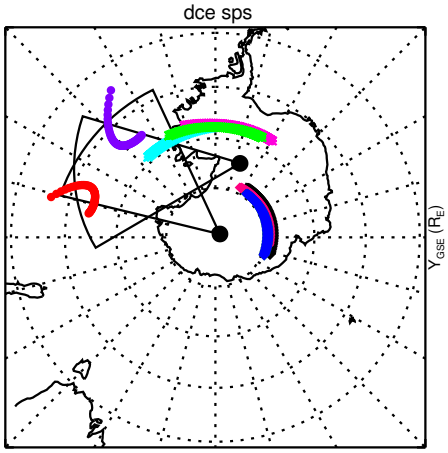


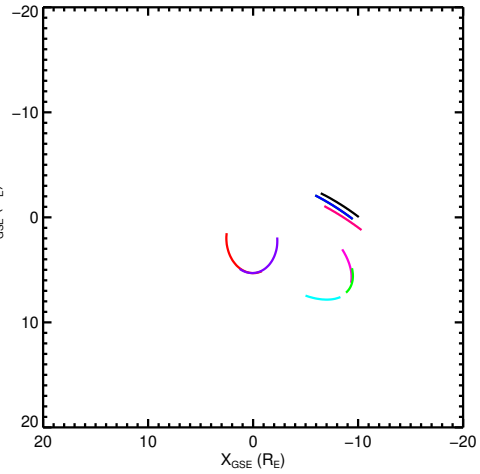


(a) 0000UT to 0425UT
ade bks cly cve cvw fhw pgr sas

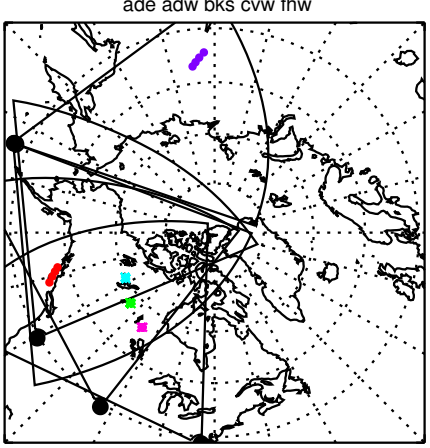


dce sps

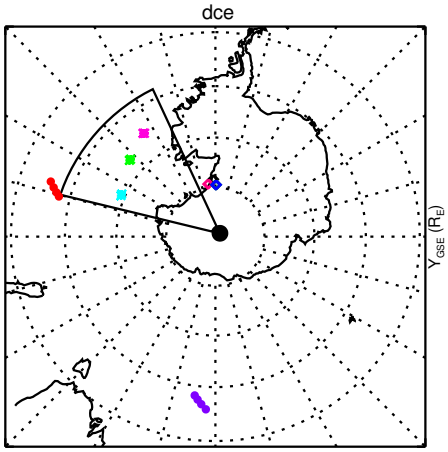


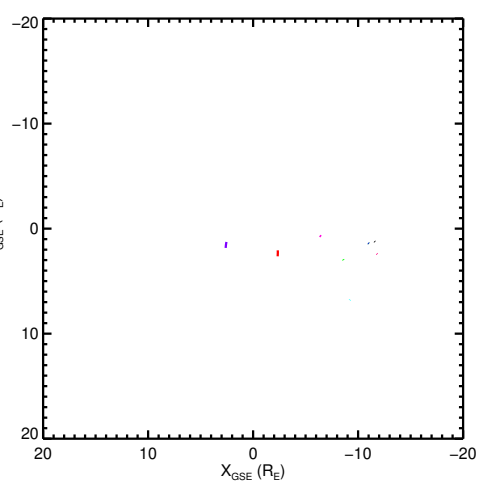


(b) 0630UT to 0645UT
ade adw bks cvw fhw

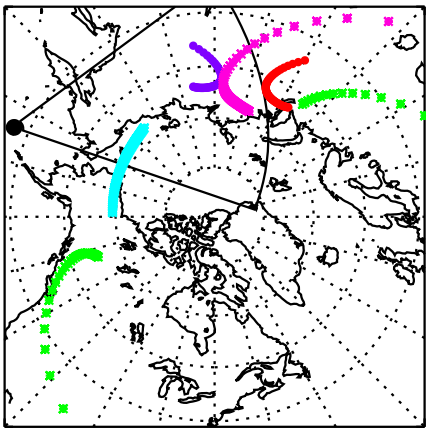


dce

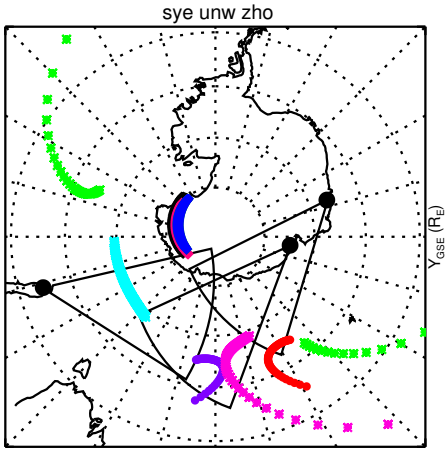


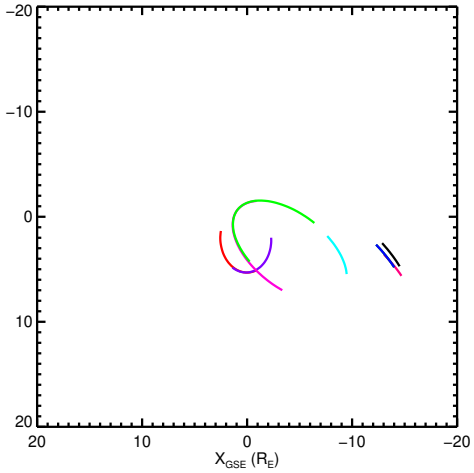


(c) 0855UT to 1325UT
adw

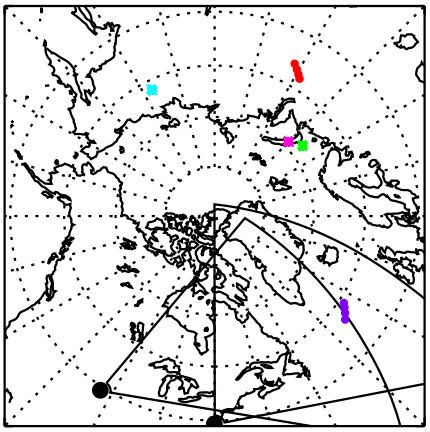


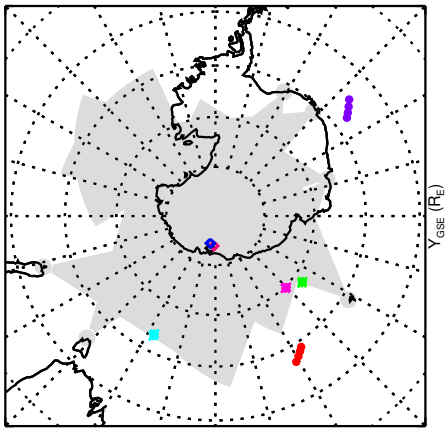
sye unw zho

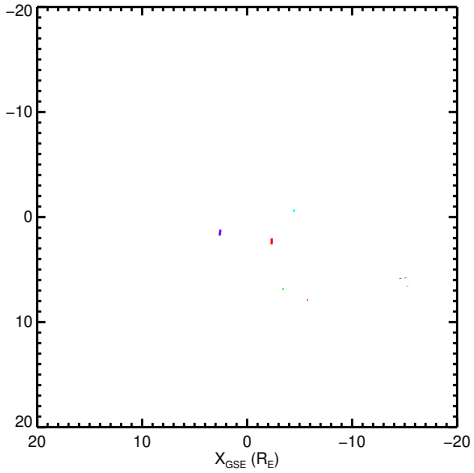




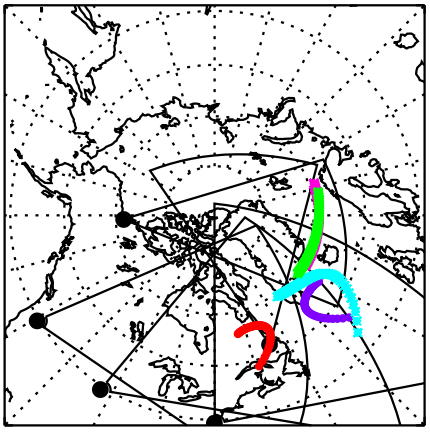
(d) 1530UT to 1545UT
fhe wal



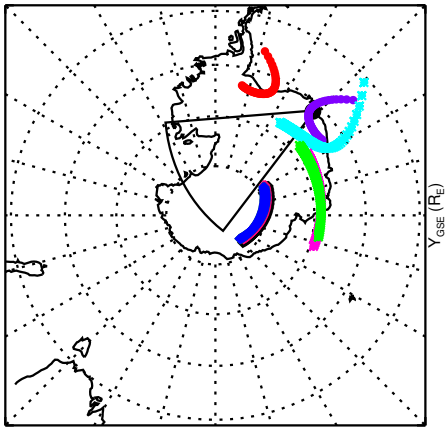


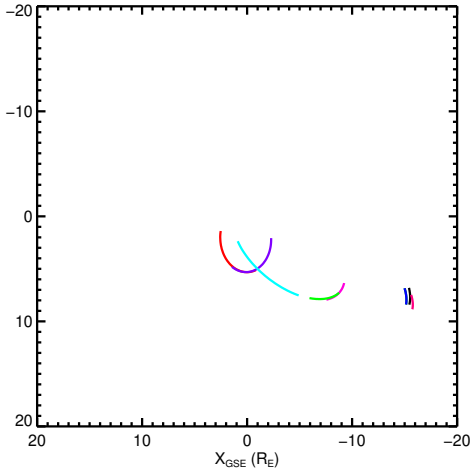


(e) 1755UT to 2225UT
cve fhe gbr inv wal



san

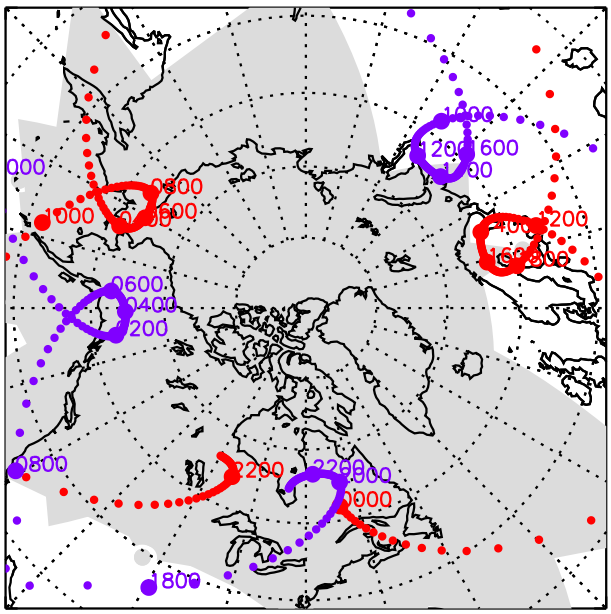


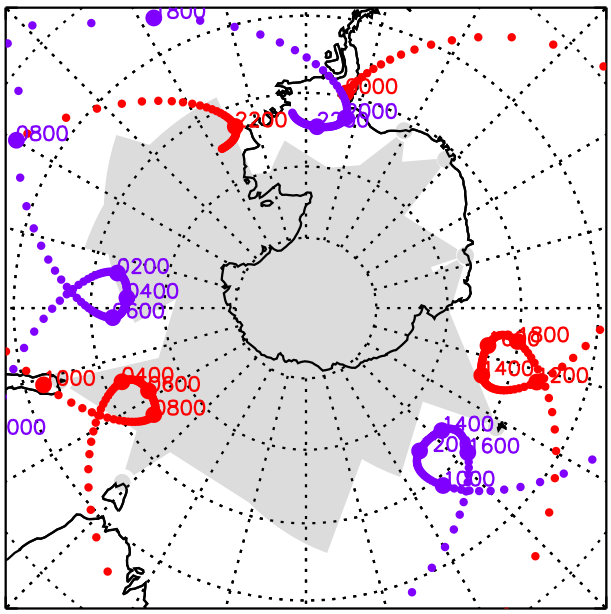


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

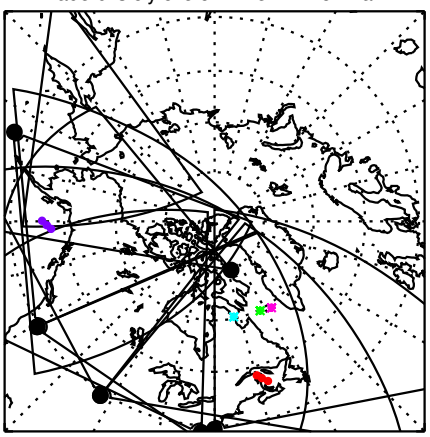
02–Oct–2013

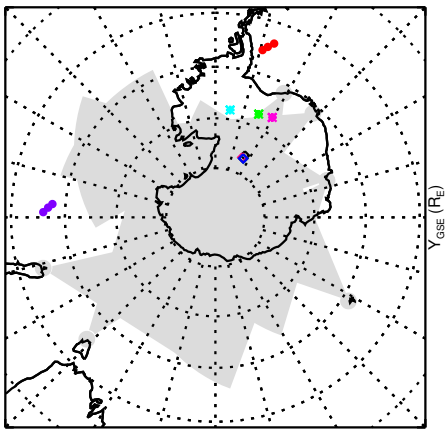
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

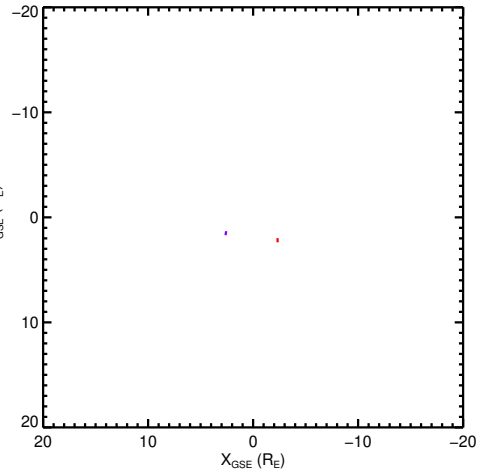




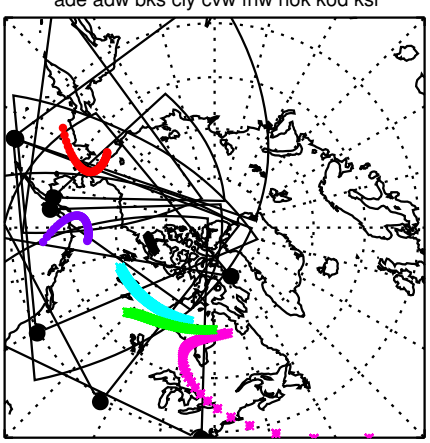
(a) 0035UT to 0045UT
ade bks cly cve cvw fhe fhw hok wal



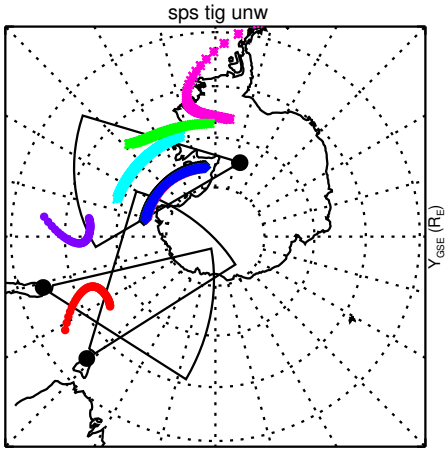


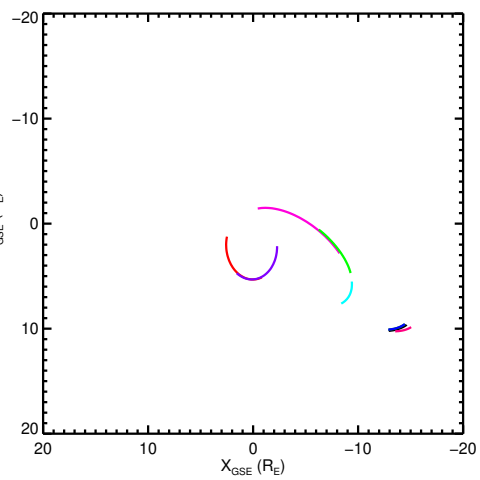


(b) 0250UT to 0725UT
ade adw bks cly cvw fhw hok kod ksr

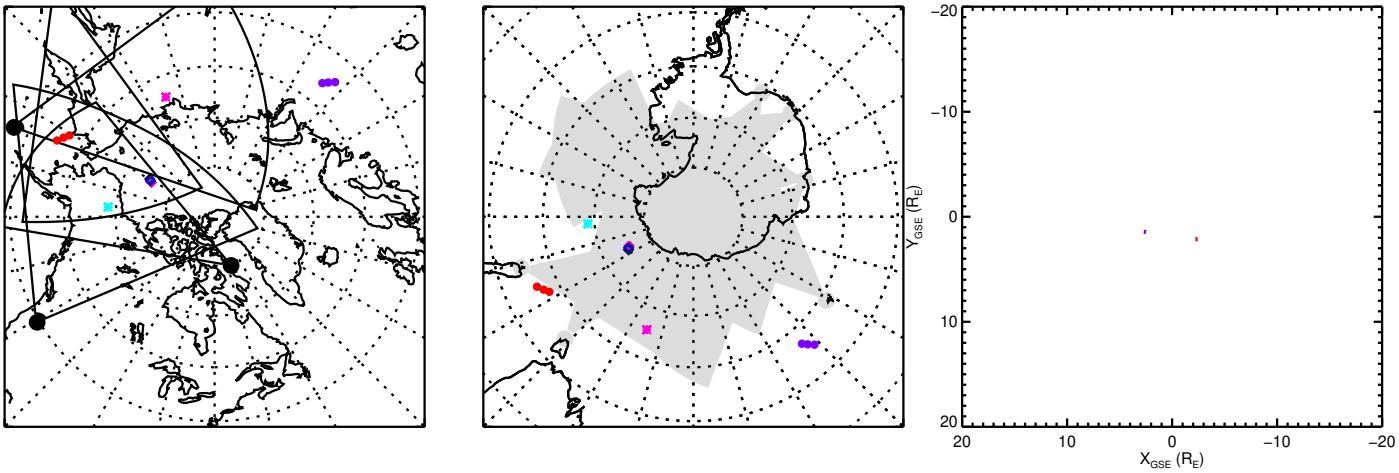


sps tig unw

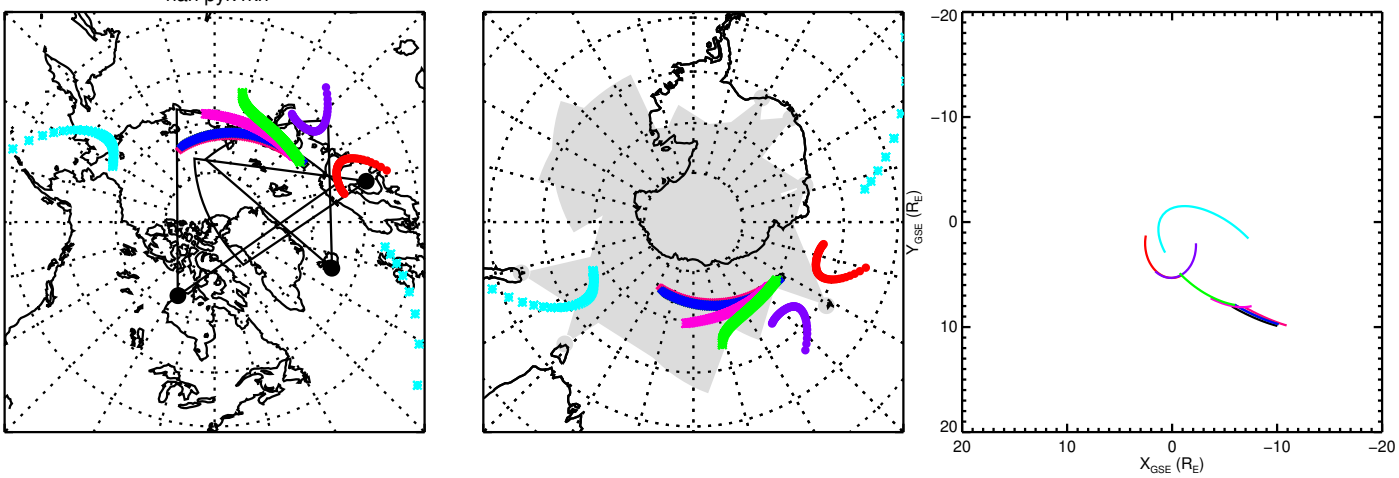




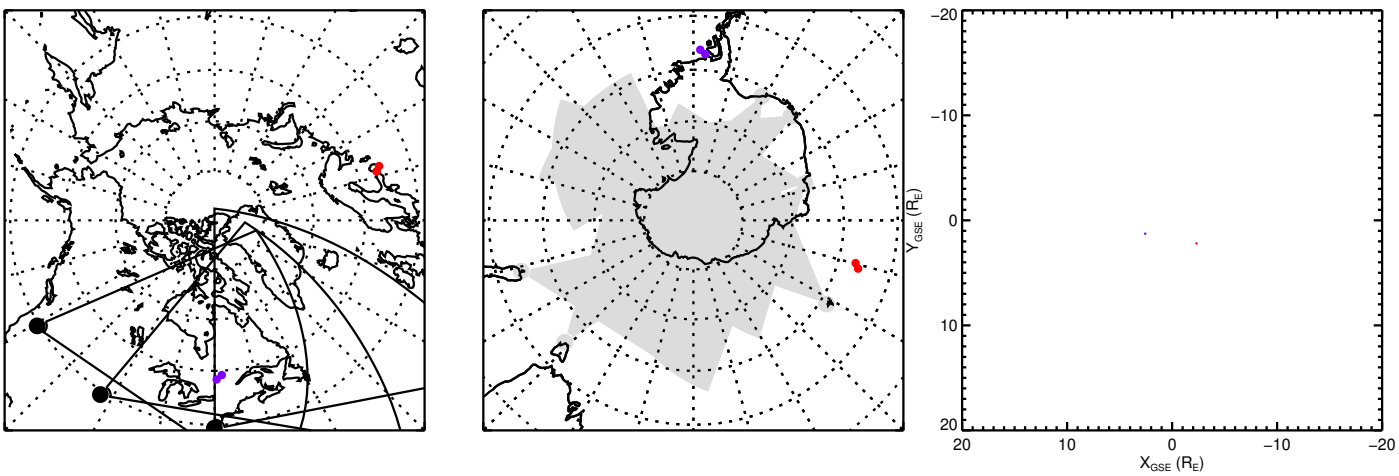
(c) 0935UT to 0945UT
adw cly cvw hok



(d) 1150UT to 1630UT
han pyk rkn

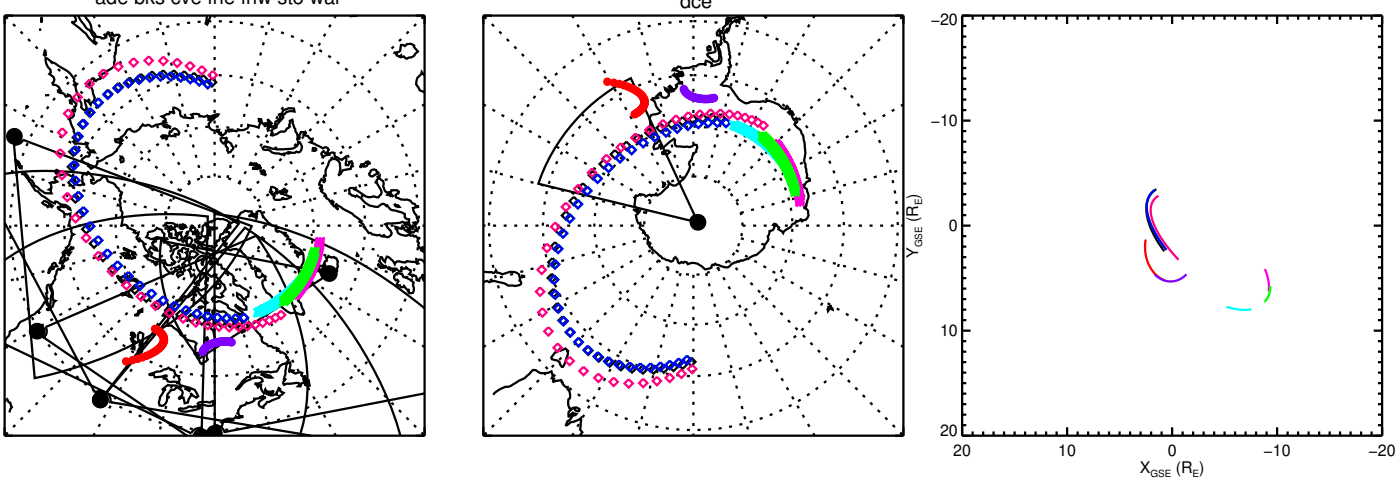


(e) 1835UT to 1840UT
cve fhe wal



(f) 2050UT to 2355UT
ade bks cve fhe fhw sto wal

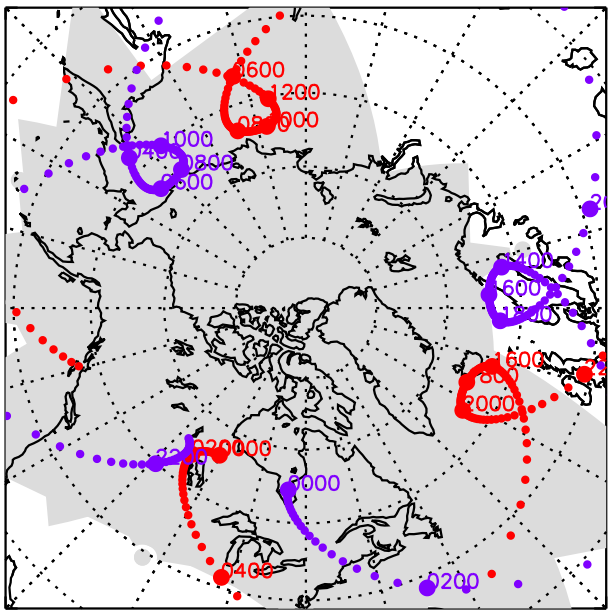
dce

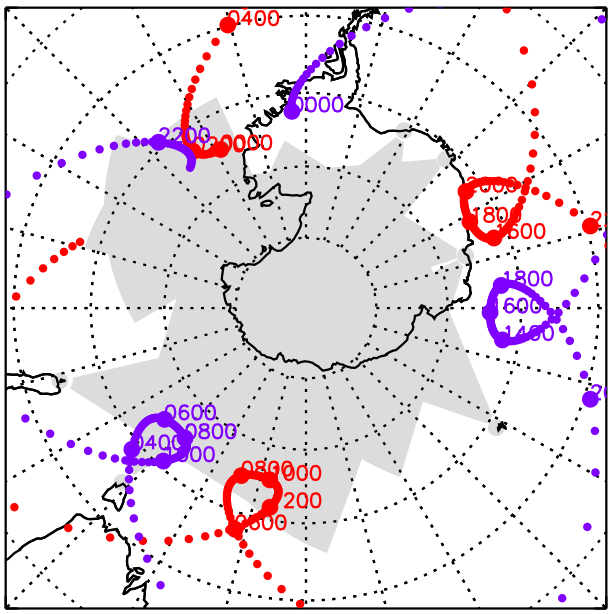


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

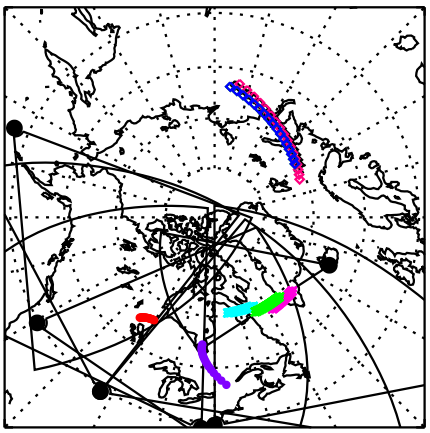
03–Oct–2013

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

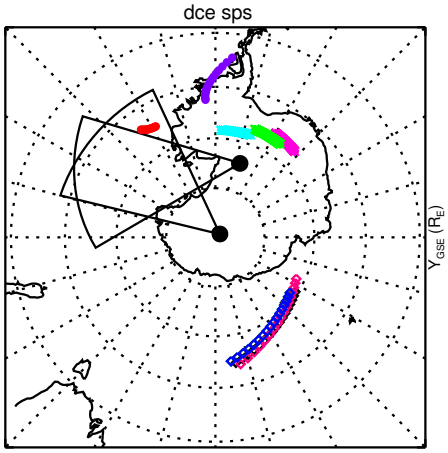


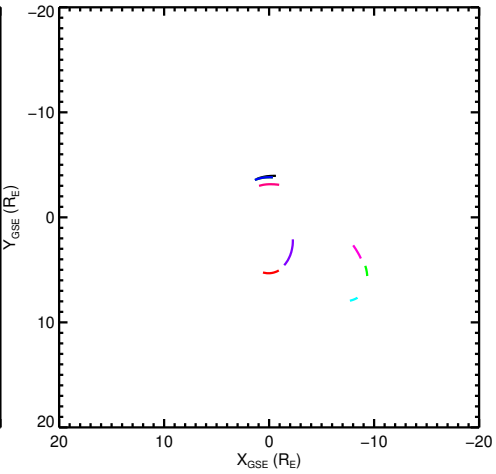


(a) 0000UT to 0130UT
ade bks cve fhe fhw sto wal

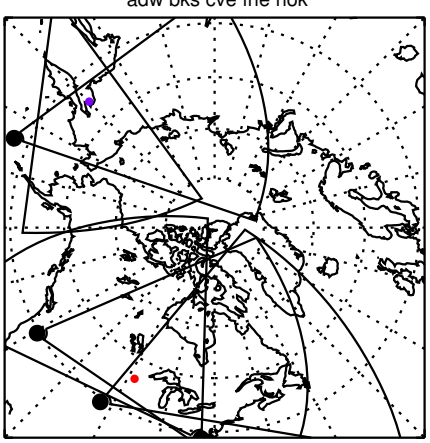


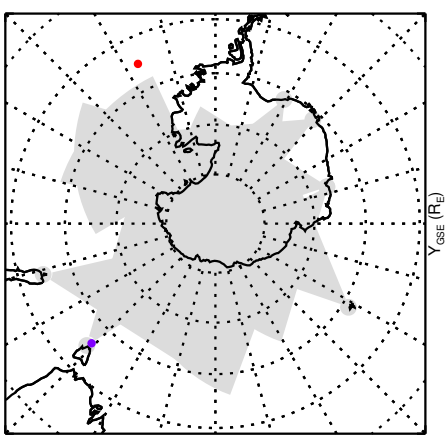
dce sps

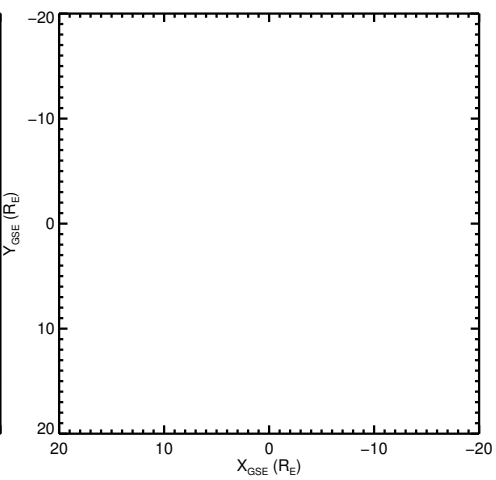




(b) 0340UT to 0340UT
adw bks cve fhe hok

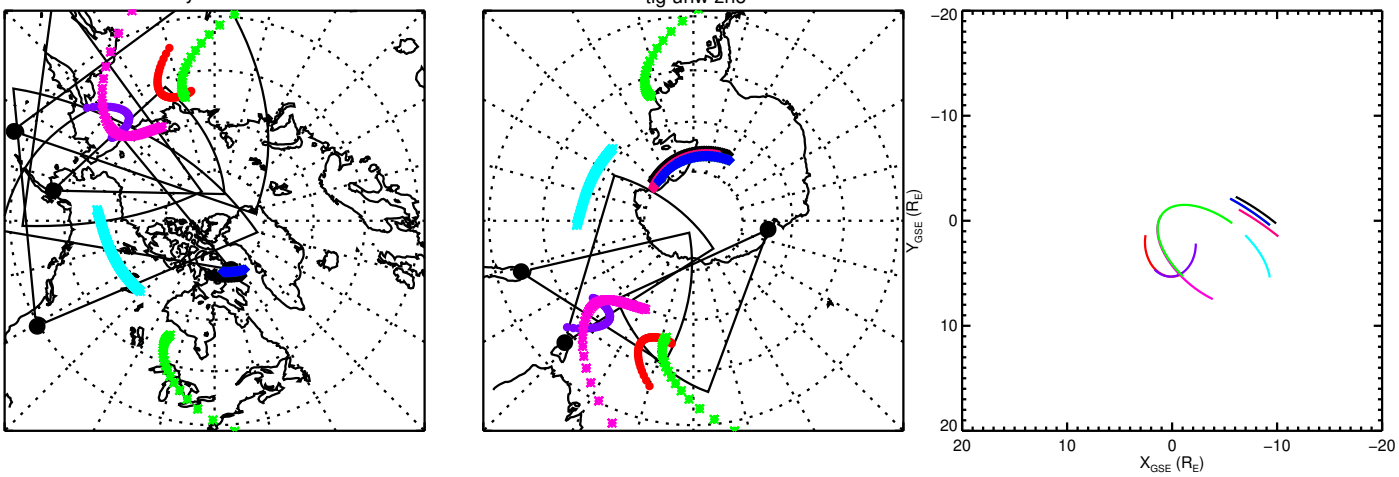




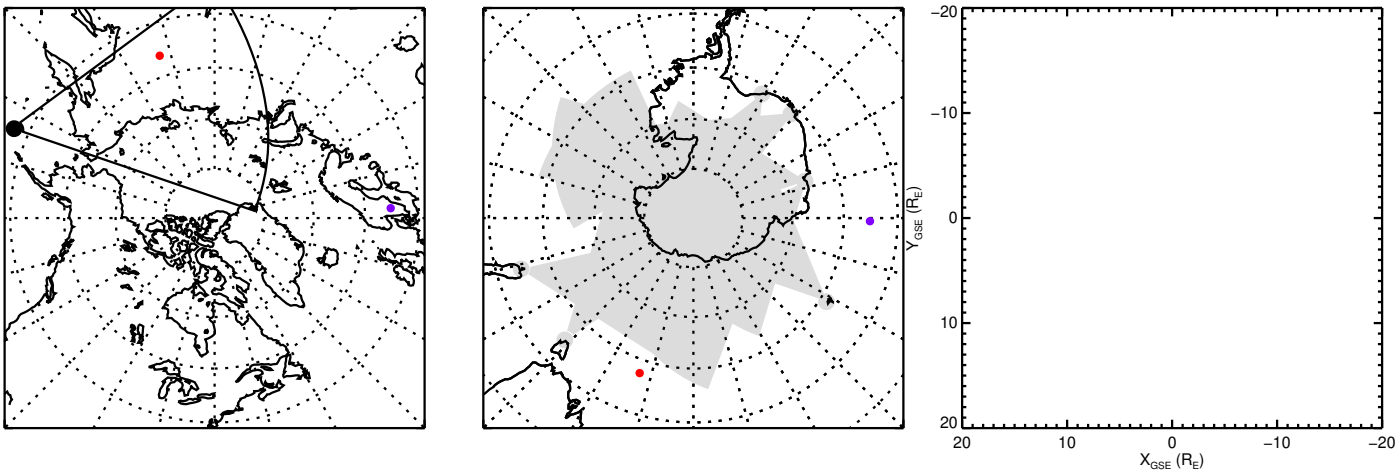


(c) 0550UT to 1030UT
adw cly cvw hok ksr

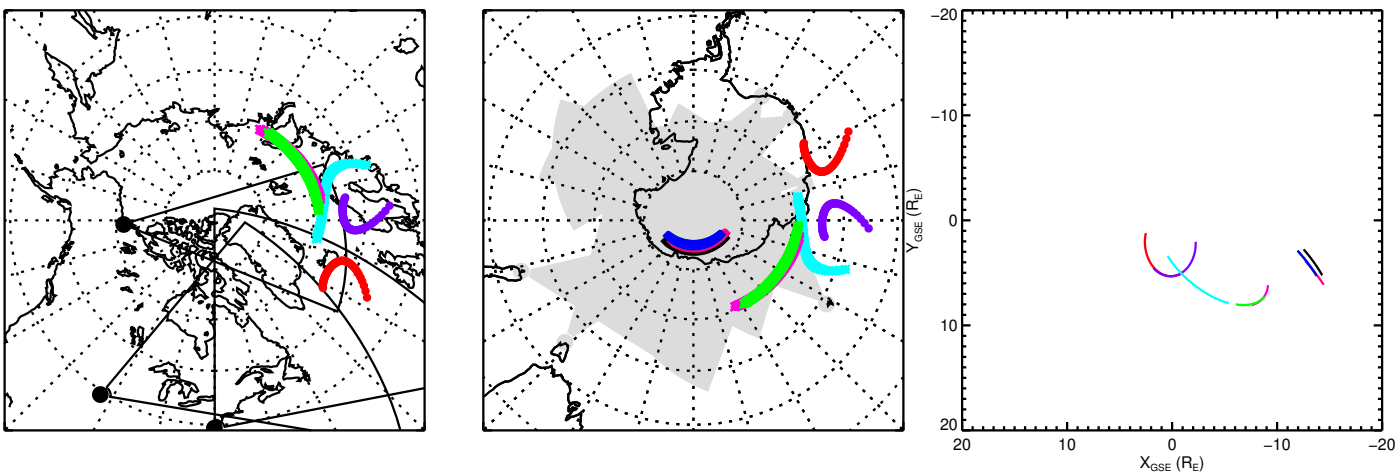
tig unw zho



(d) 1240UT to 1240UT
adw

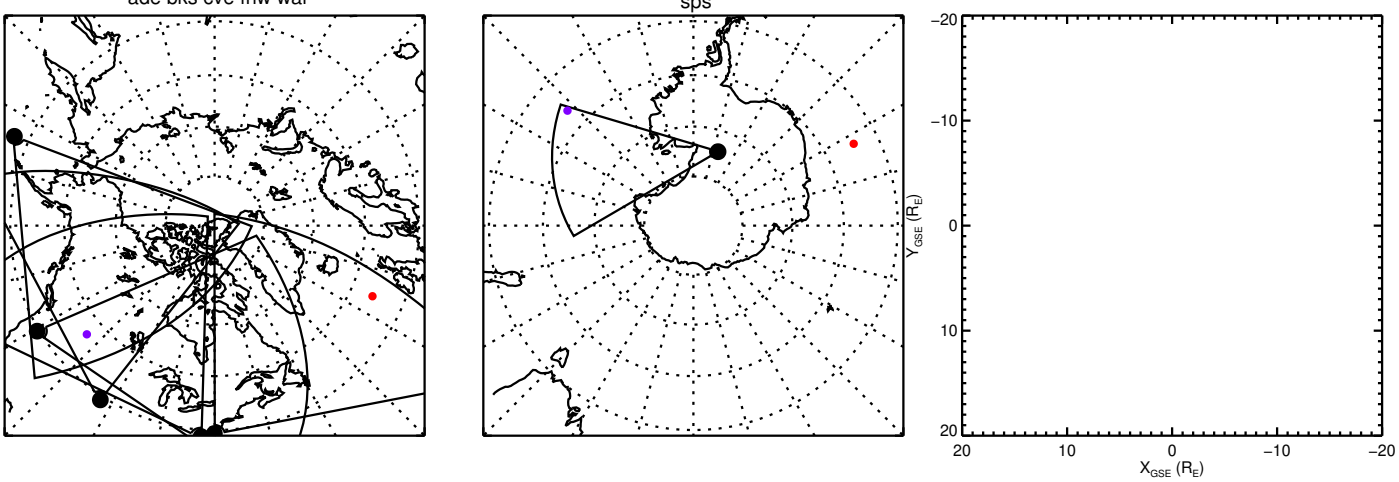


(e) 1445UT to 1935UT
fhe inv wal

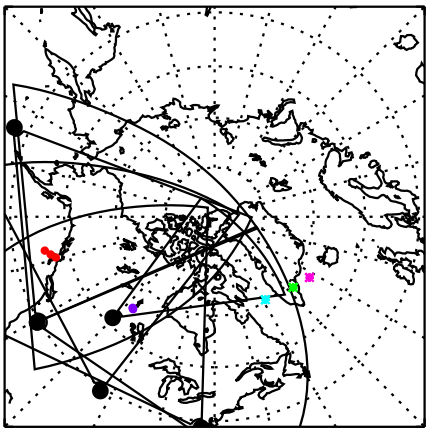


(f) 2140UT to 2140UT
ade bks cve fhw wal

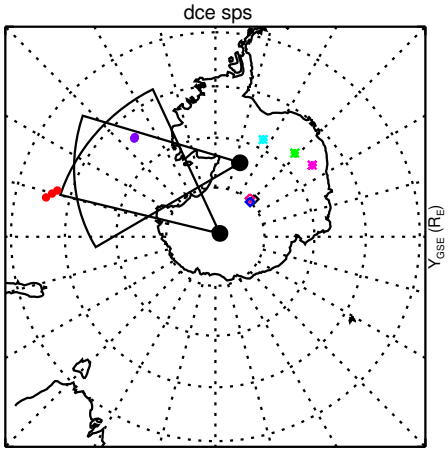
sps

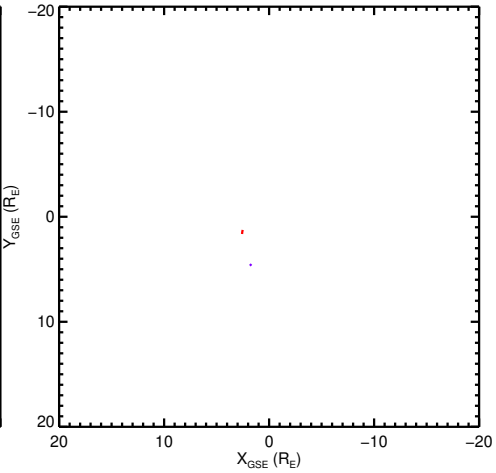


(g) 2345UT to 2355UT
ade bks cve cvw fhw sas



dce sps

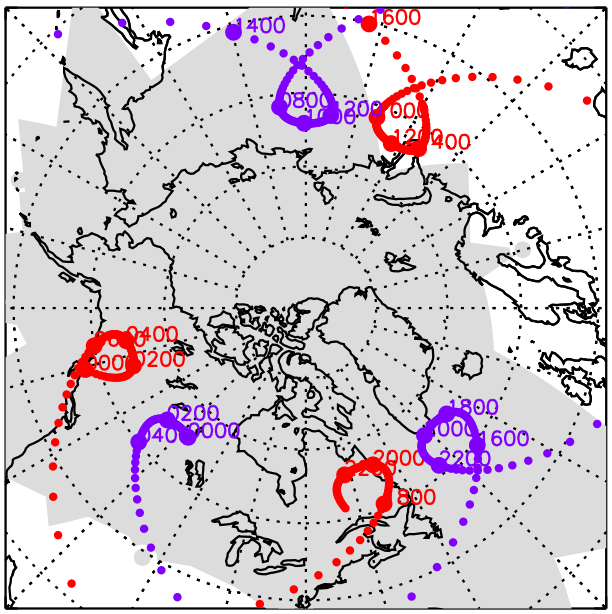


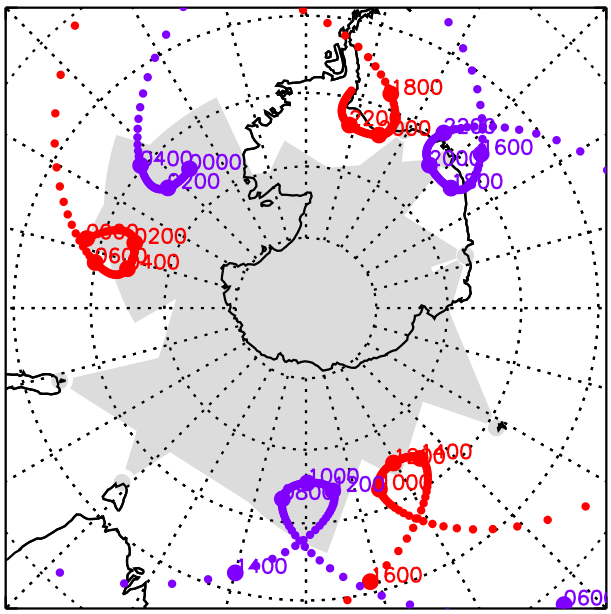


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

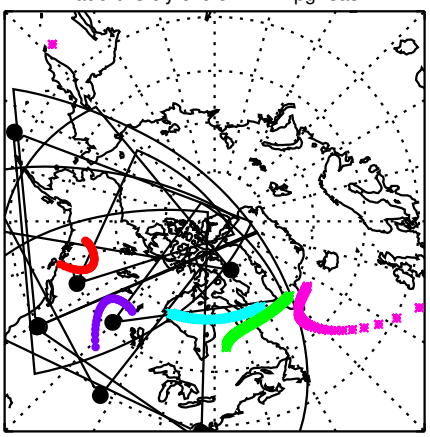
04–Oct–2013

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

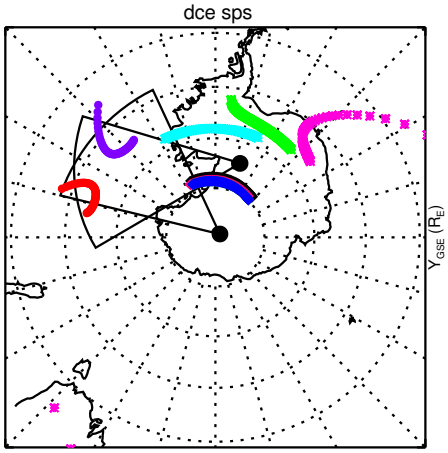


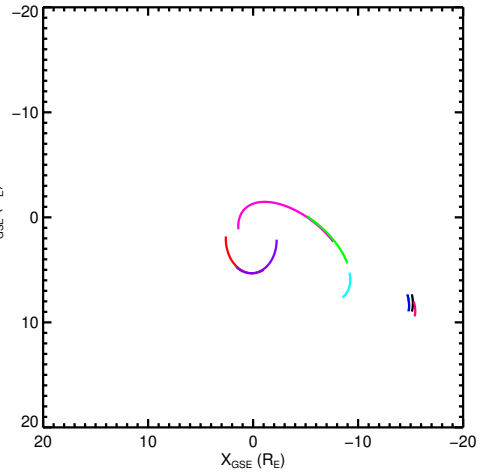


(a) 0000UT to 0435UT
ade bks cly cve cvw fhw pgr sas

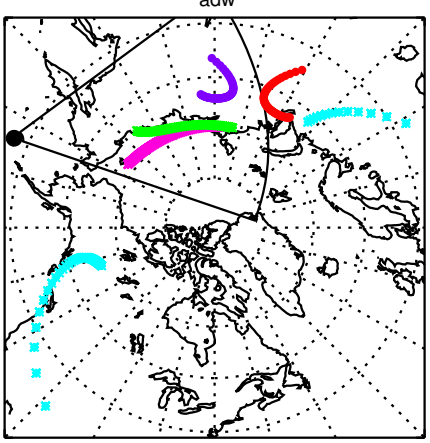


dce sps

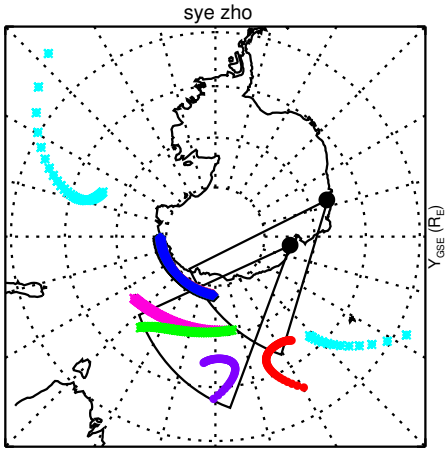


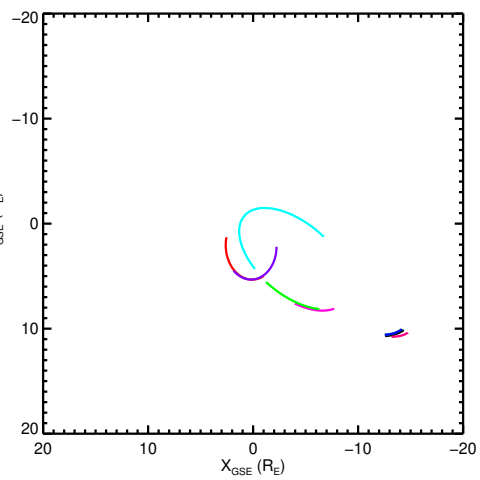


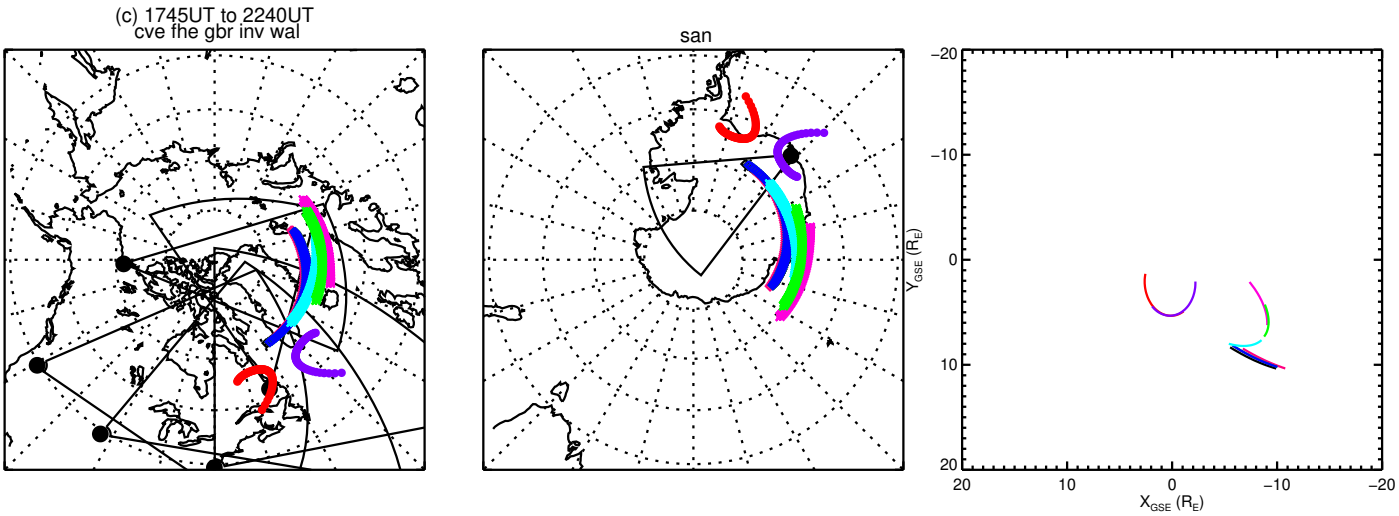
(b) 0845UT to 1335UT
adw



sye zho



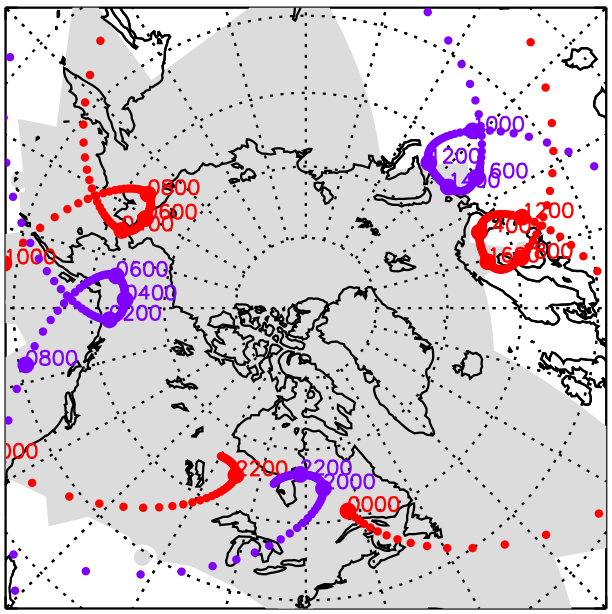


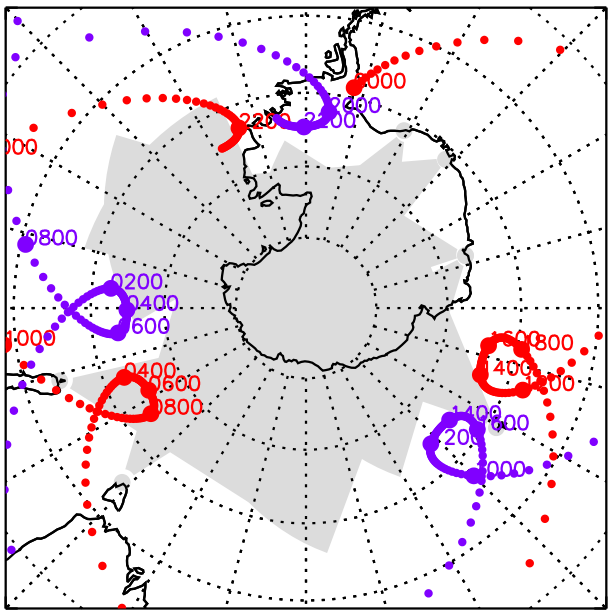

(c) 1745UT to 2240UT
cve fhe gbr inv wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

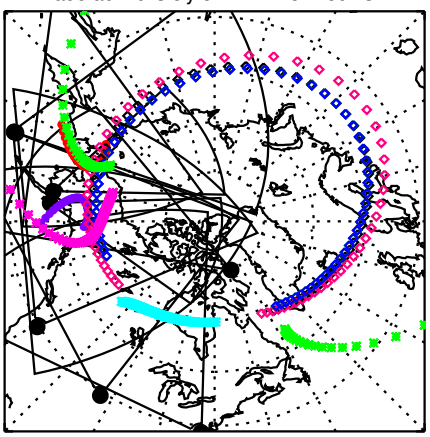
05–Oct–2013

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

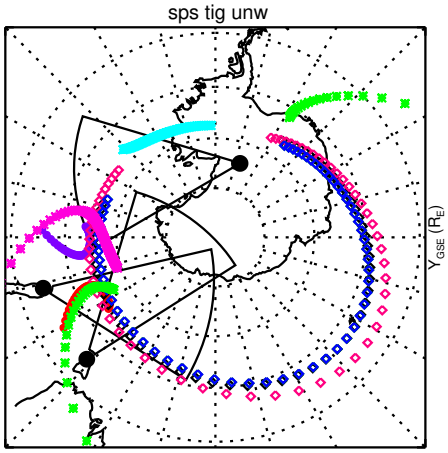


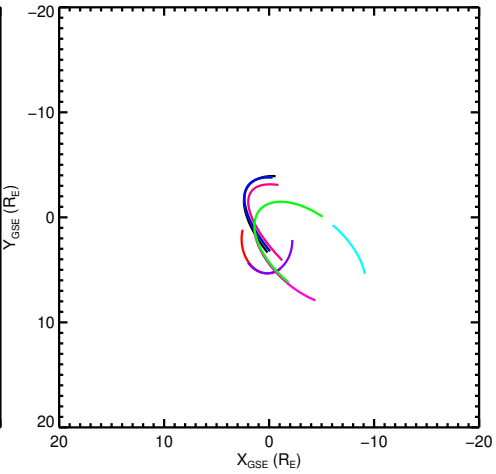


(a) 0240UT to 0740UT
ade adw bks cly cvw fhw hok kod ksr

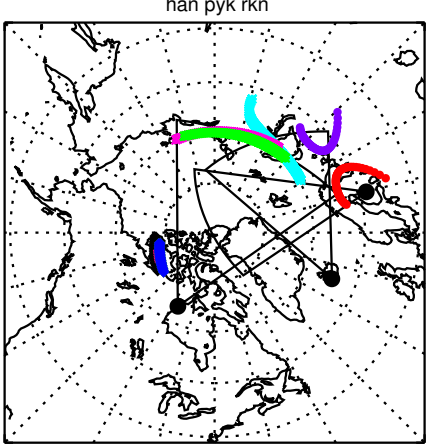


sps tig unw

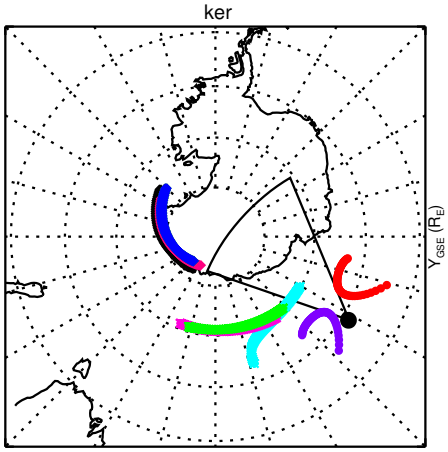


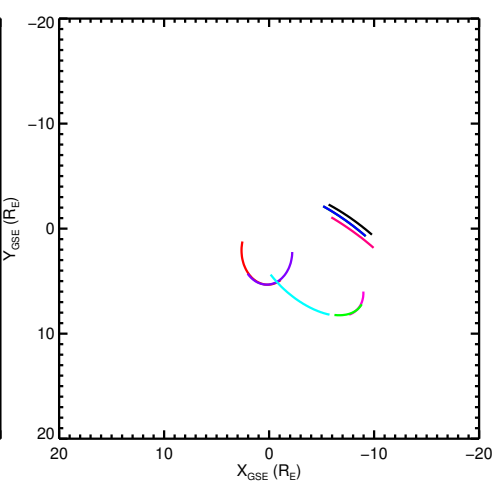


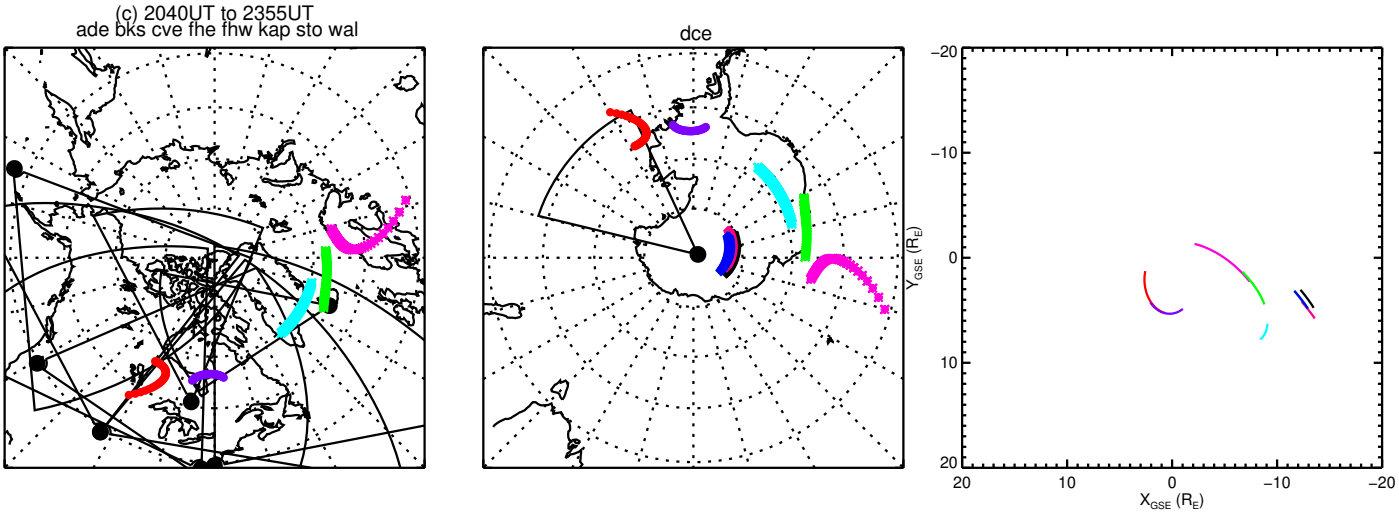
(b) 1140UT to 1640UT
han pyk rkn



ker



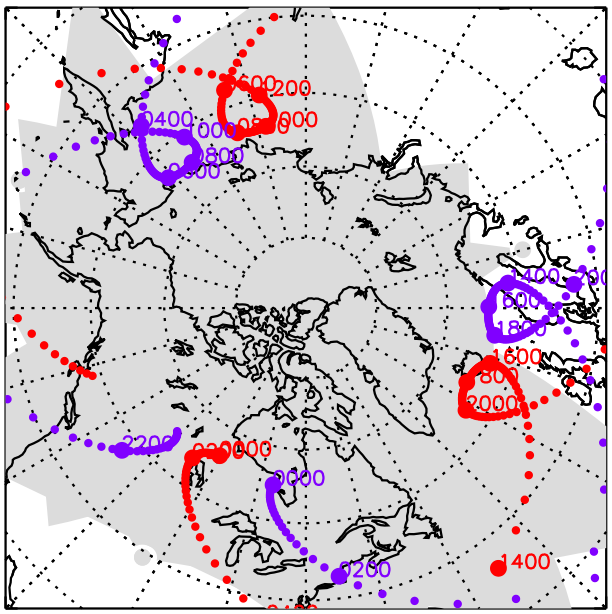


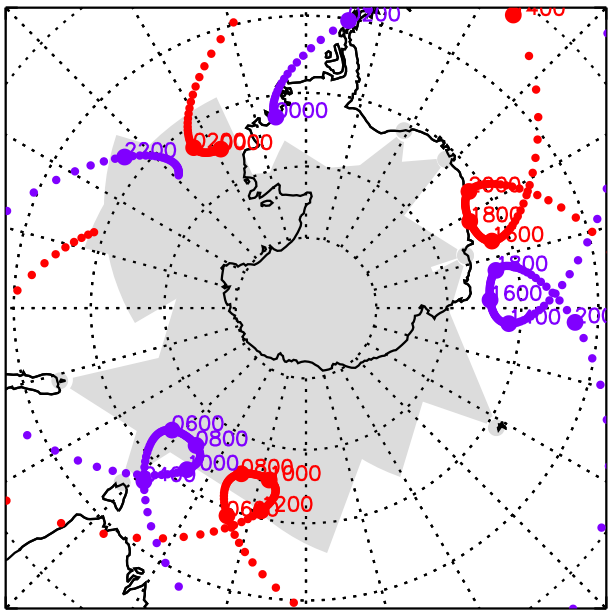

(c) 2040UT to 2355UT
ade bks cve fhe fhw kap sto wal
dce
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

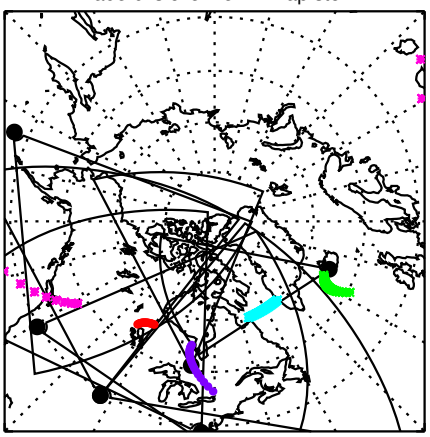
06–Oct–2013

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

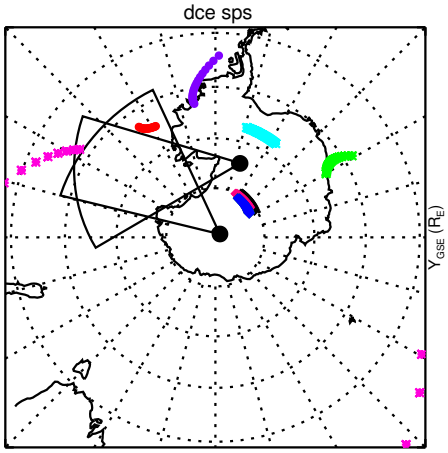


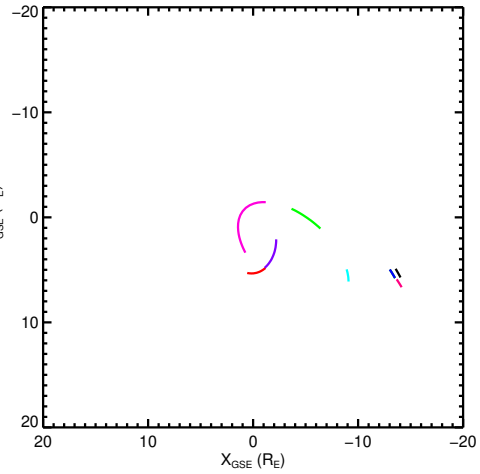


(a) 0000UT to 0145UT
ade bks cve fhe fhw kap sto

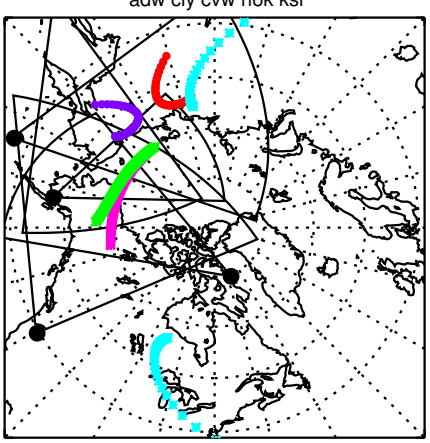


dce sps

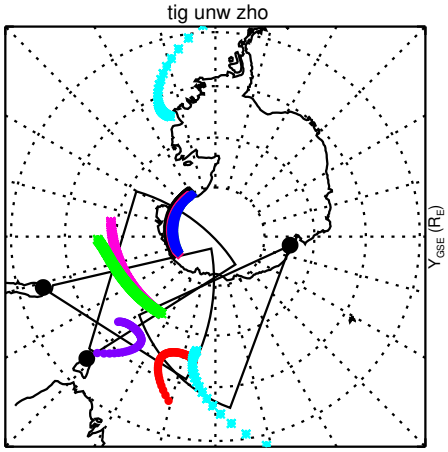


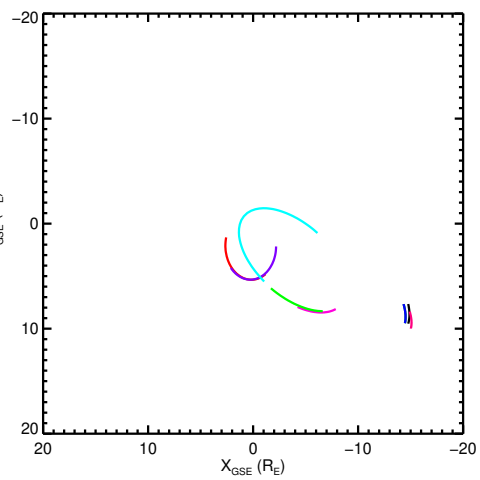


(b) 0540UT to 1045UT
adw cly cvw hok ksr

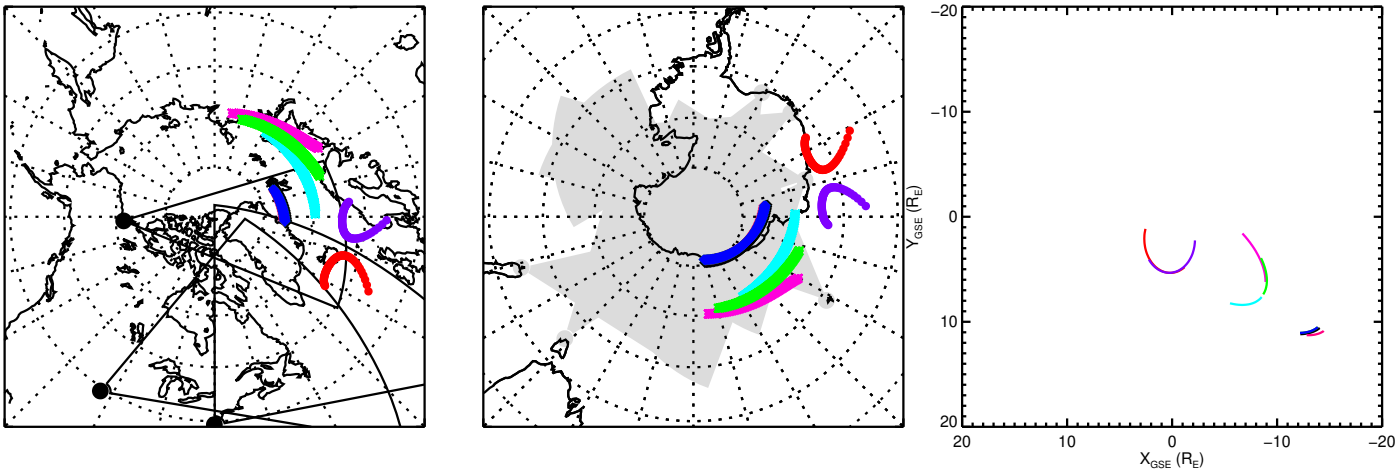


tig unw zho



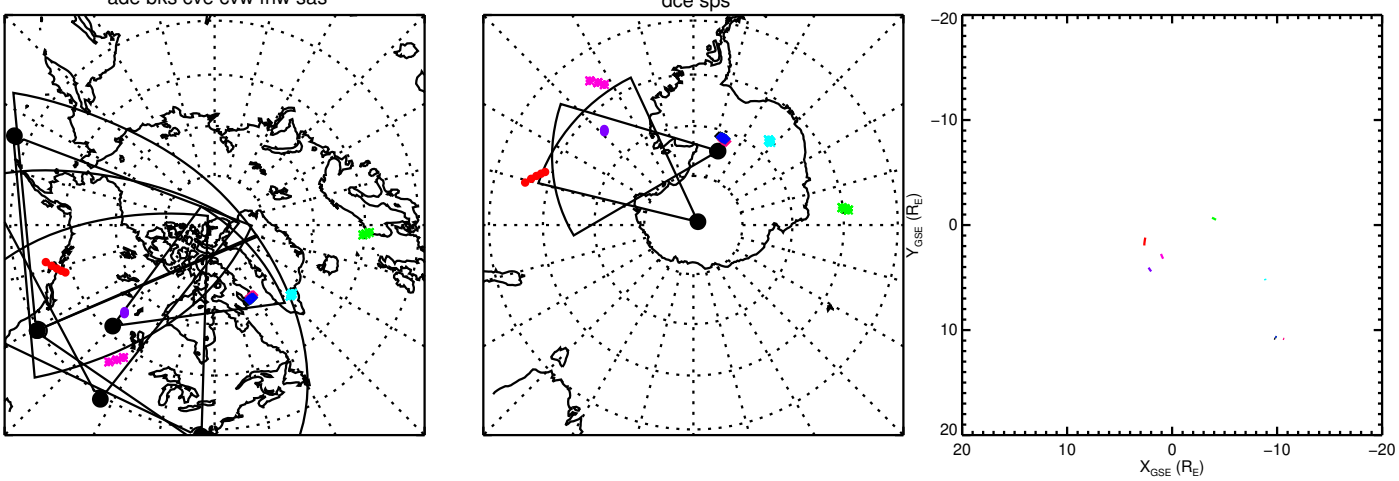


(c) 1435UT to 1945UT
fhe inv wal



(d) 2335UT to 2355UT
ade bks cve cvw fhw sas

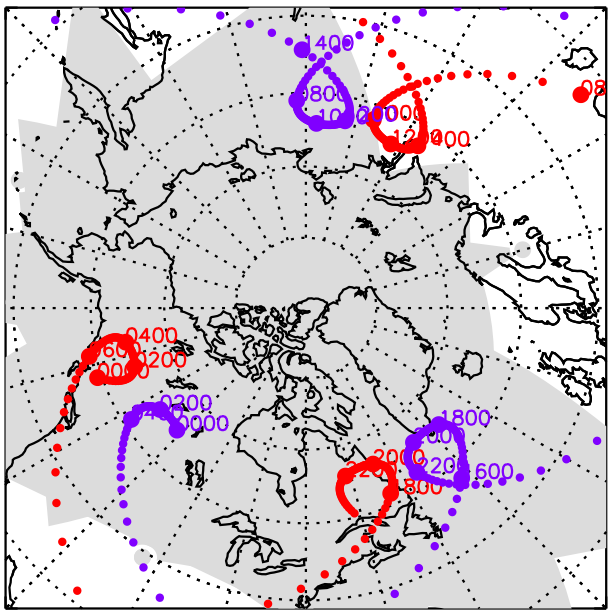
dce sps

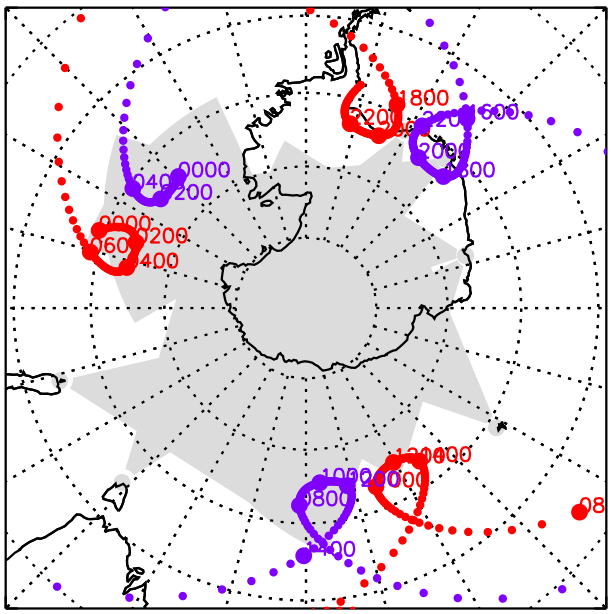


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

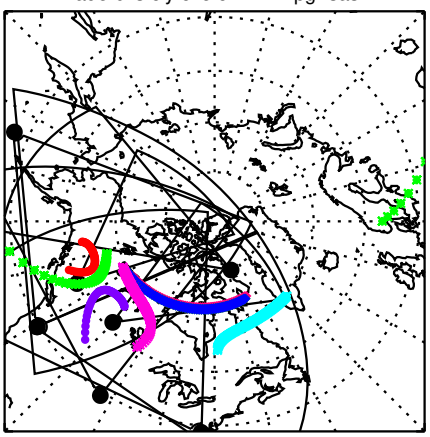
07–Oct–2013

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

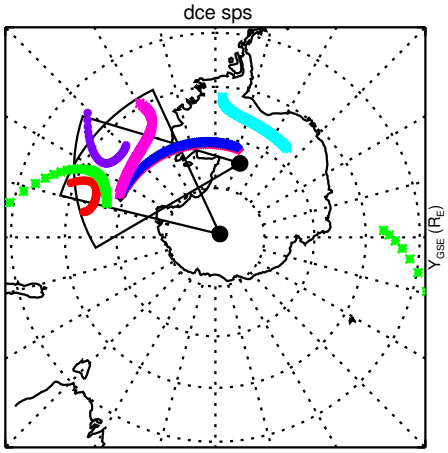


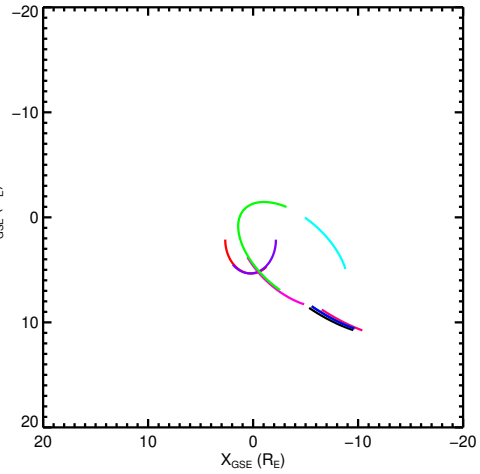


(a) 0000UT to 0450UT
ade bks cly cve cvw fhw pgr sas

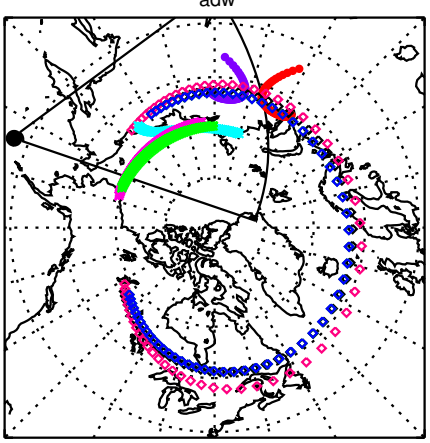


dce sps

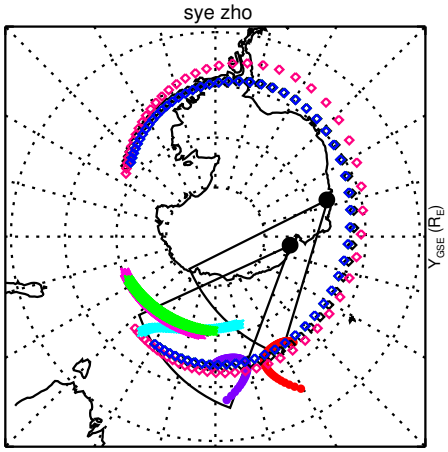


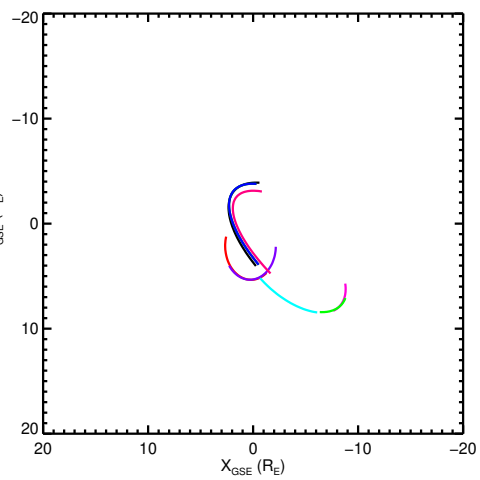


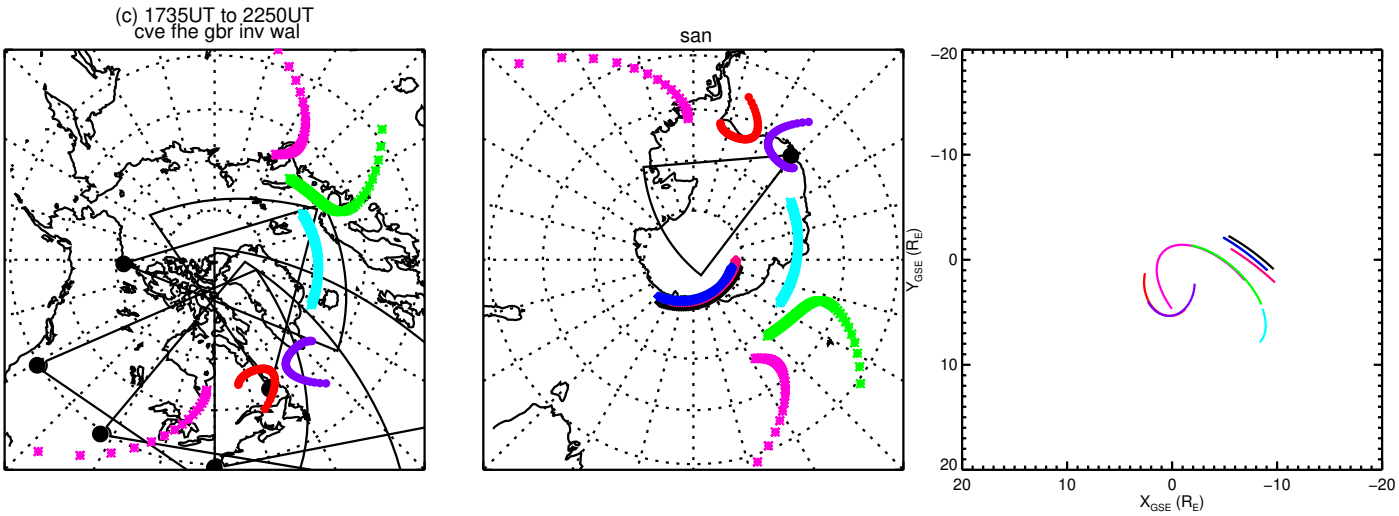
(b) 0835UT to 1350UT
adw



sye zho



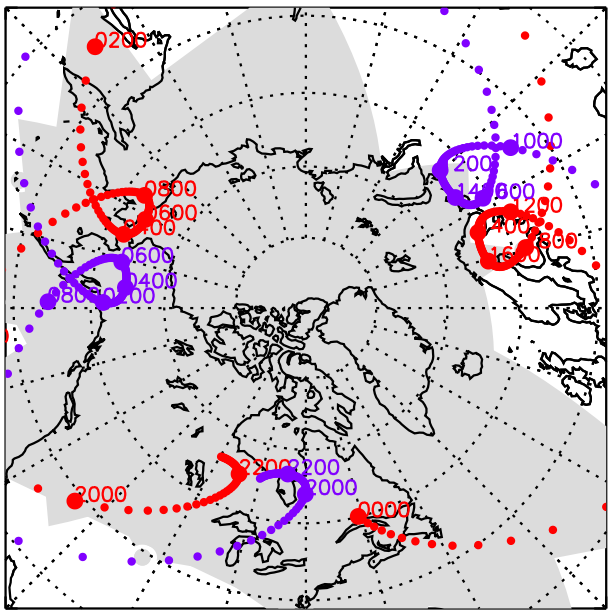


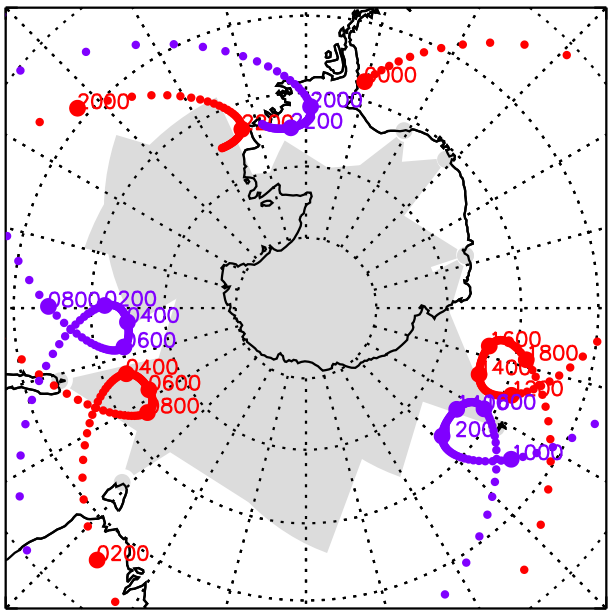

(c) 1735UT to 2250UT
cve fhe gbr inv wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

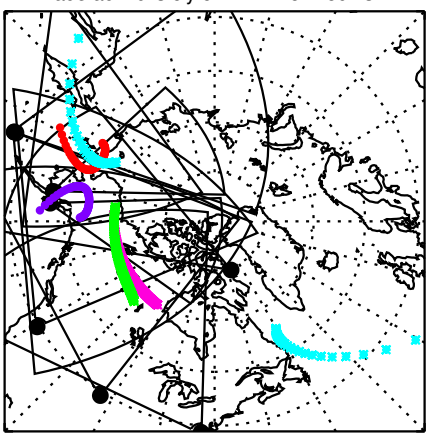
08–Oct–2013

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

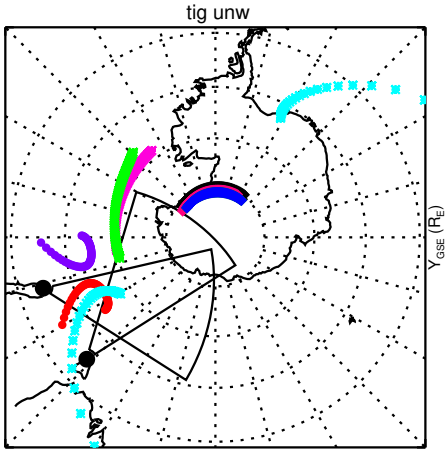


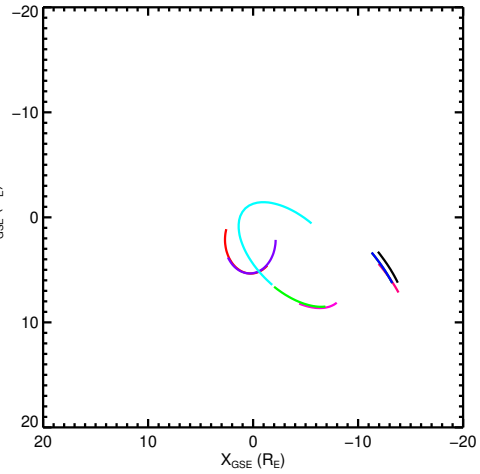


(a) 0230UT to 0755UT
ade adw bks cly cvw fhw hok kod ksr

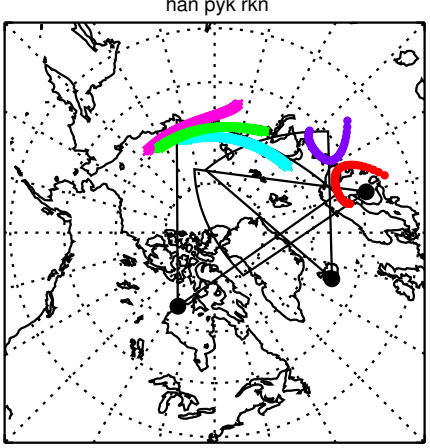


tig unw

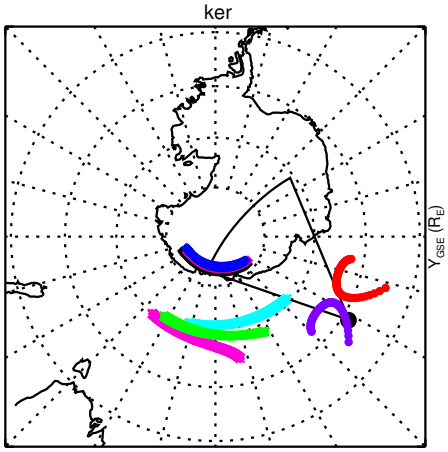


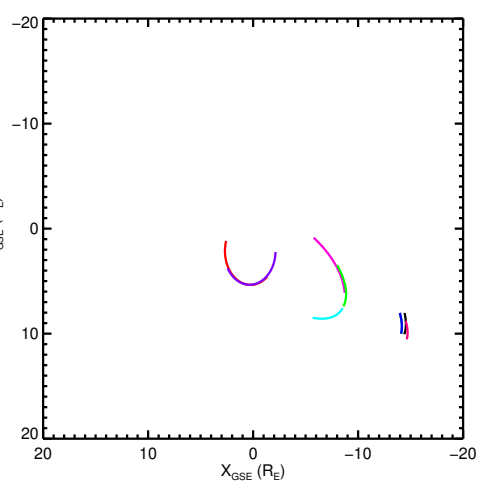


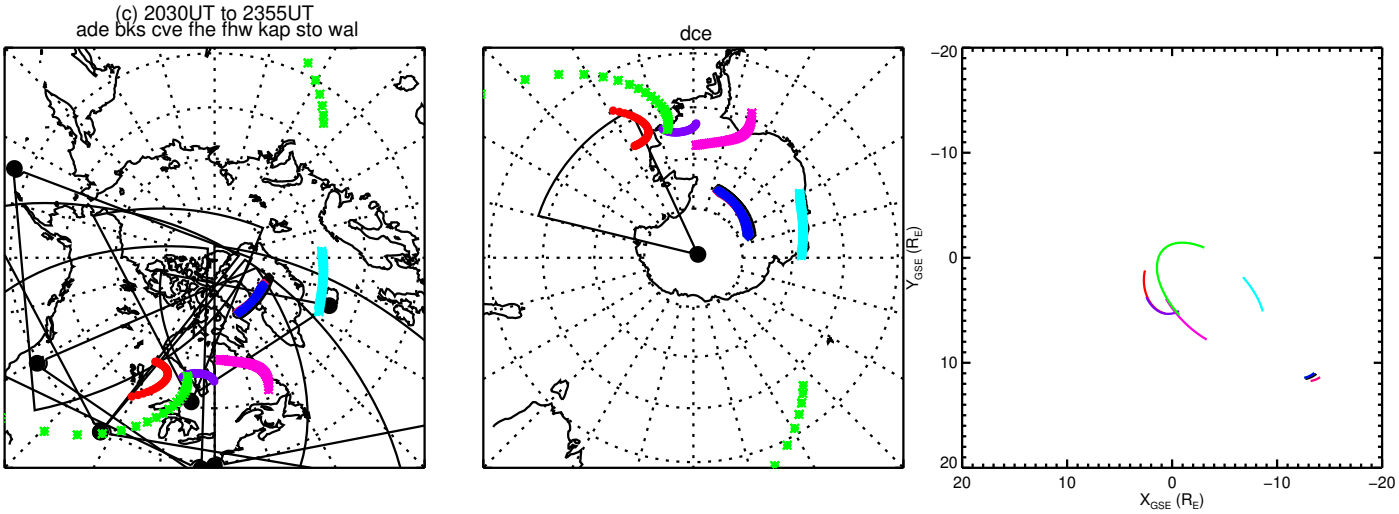
(b) 1130UT to 1655UT
han pyk rkn



ker



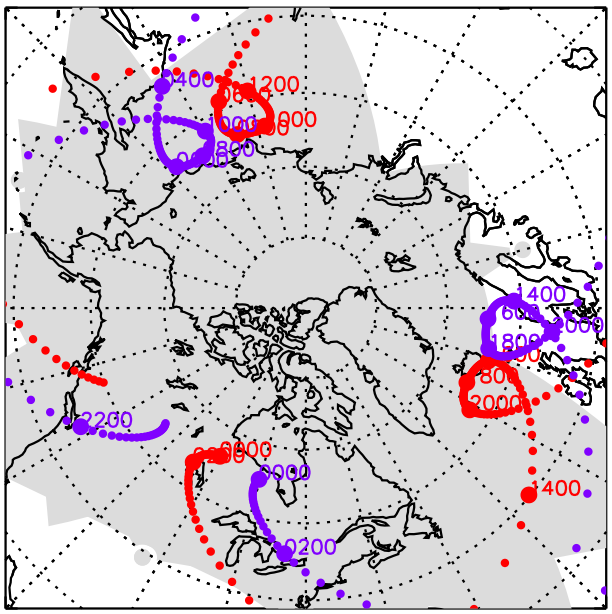


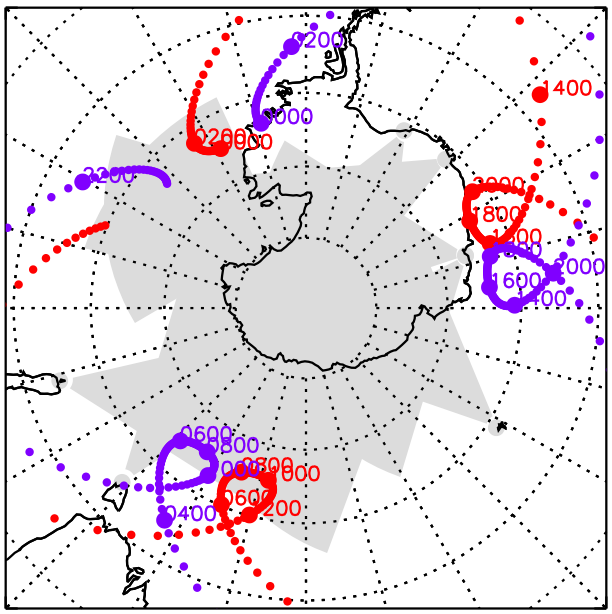

(c) 2030UT to 2355UT
ade bks cve fhe fhw kap sto wal
dce
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

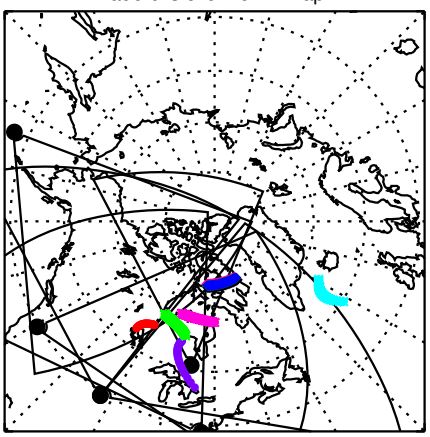
09–Oct–2013

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

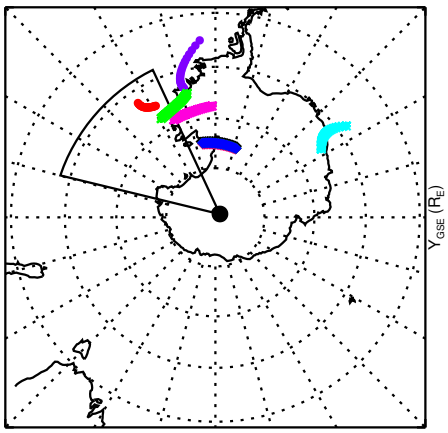


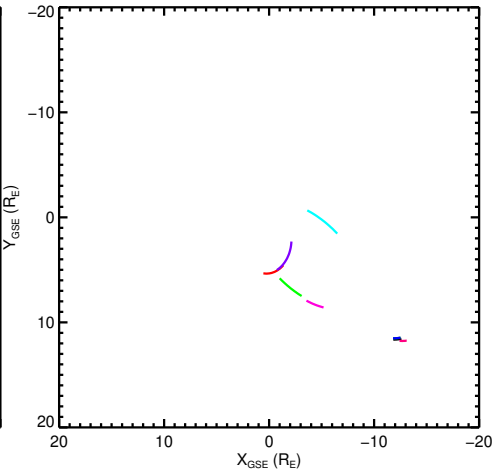


(a) 0000UT to 0155UT
ade bks cve fhe fhw kap

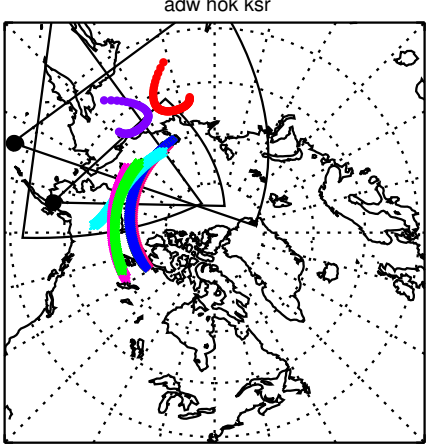


dce

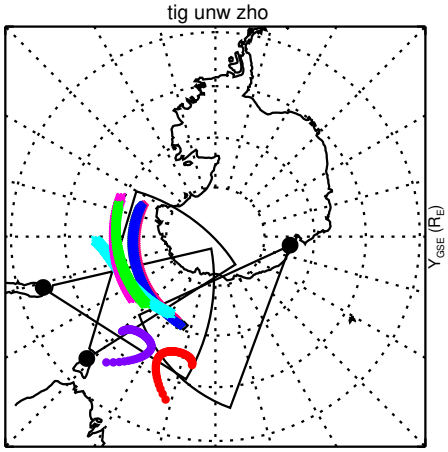


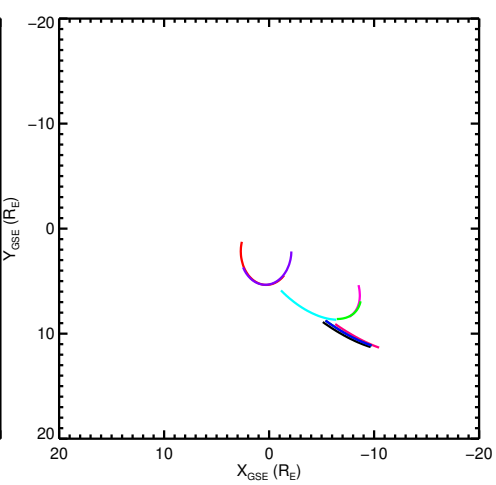


(b) 0530UT to 1100UT
adw hok ksr

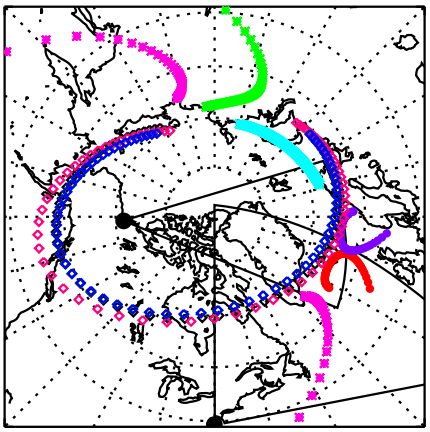


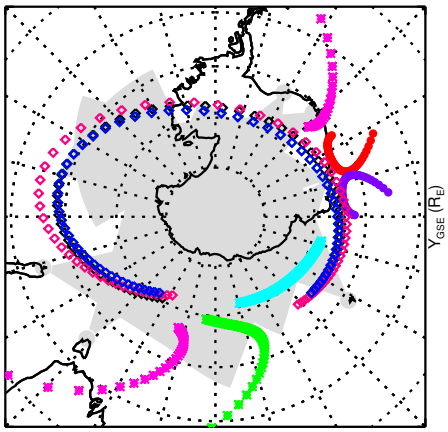
tig unw zho

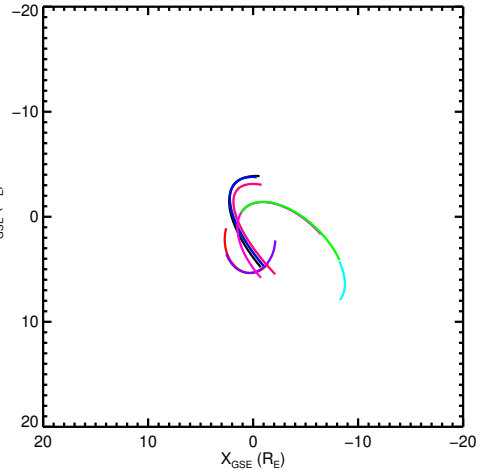




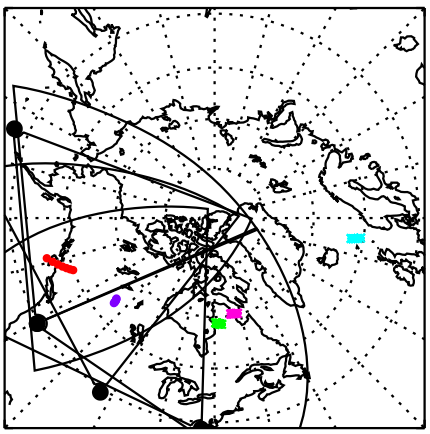
(c) 1425UT to 2000UT
inv wal



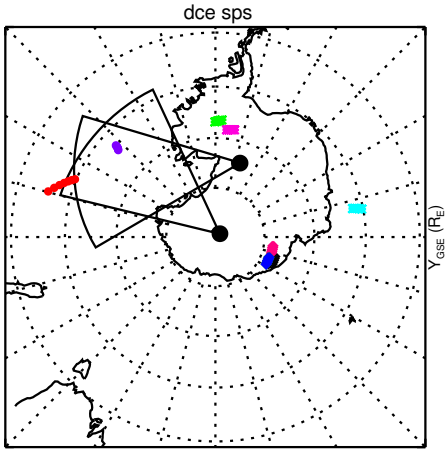


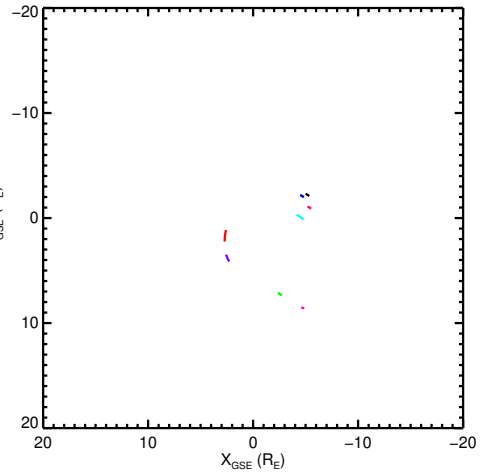


(d) 2325UT to 2355UT
ade bks cve cvw fhw



dce sps

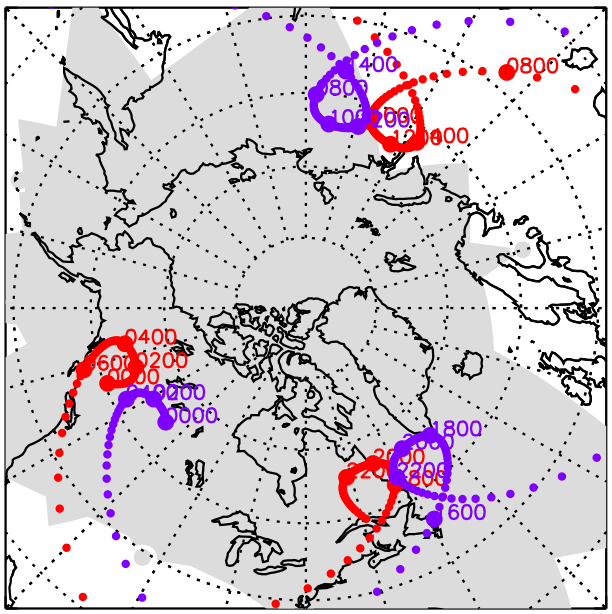


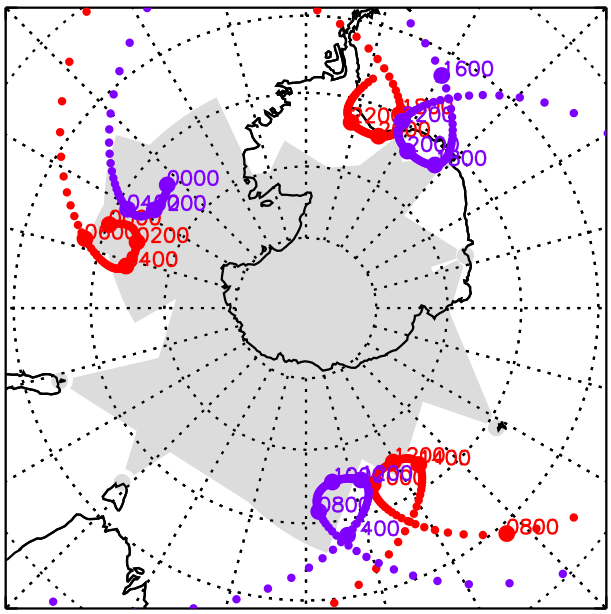


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

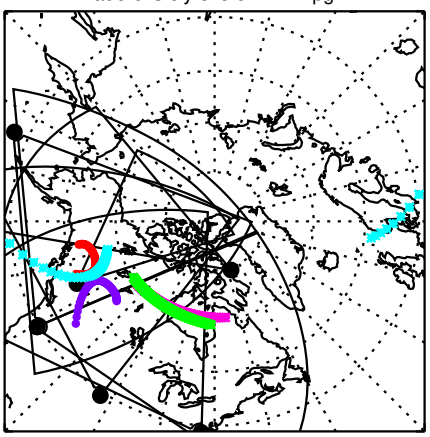
10–Oct–2013

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

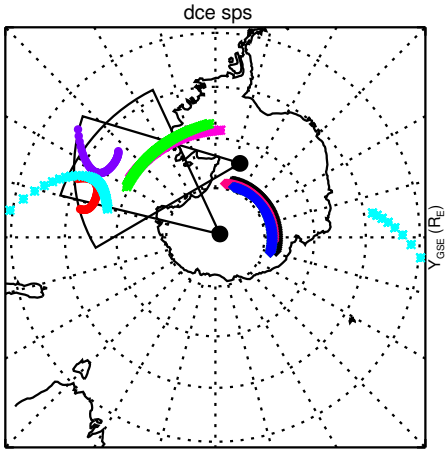


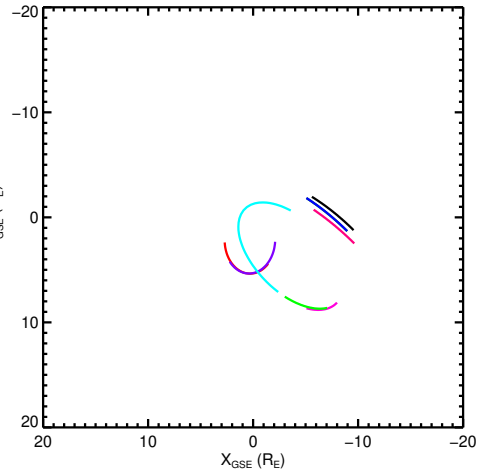


(a) 0000UT to 0500UT
ade bks cly cve cvw fhw pgr

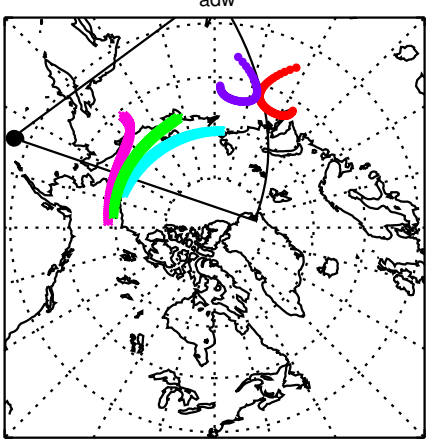


dce sps

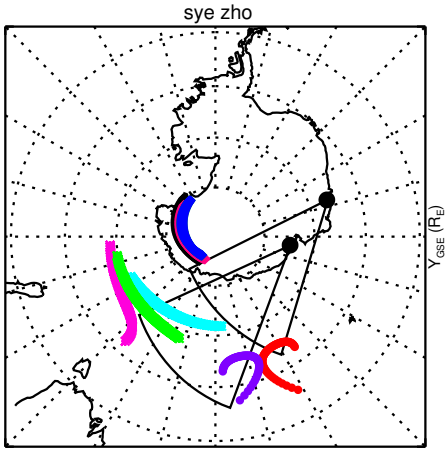


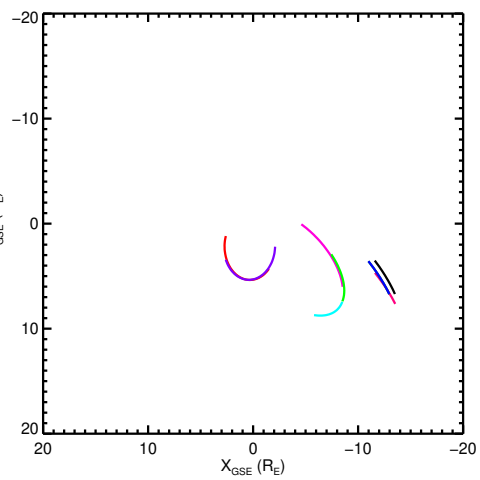


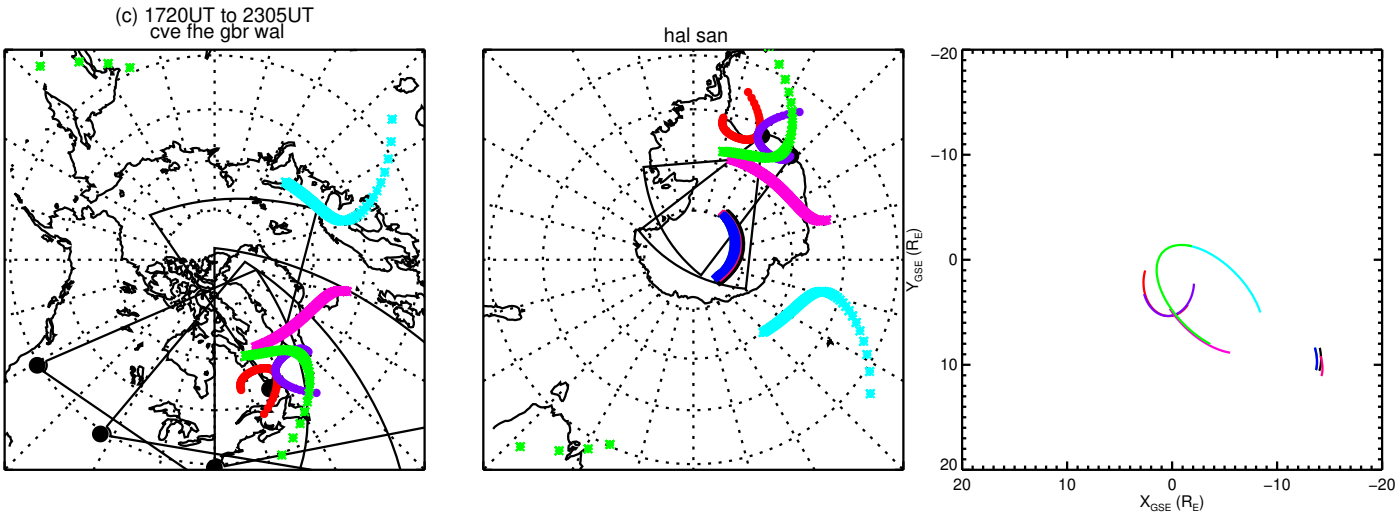
(b) 0825UT to 1405UT
adw



sye zho



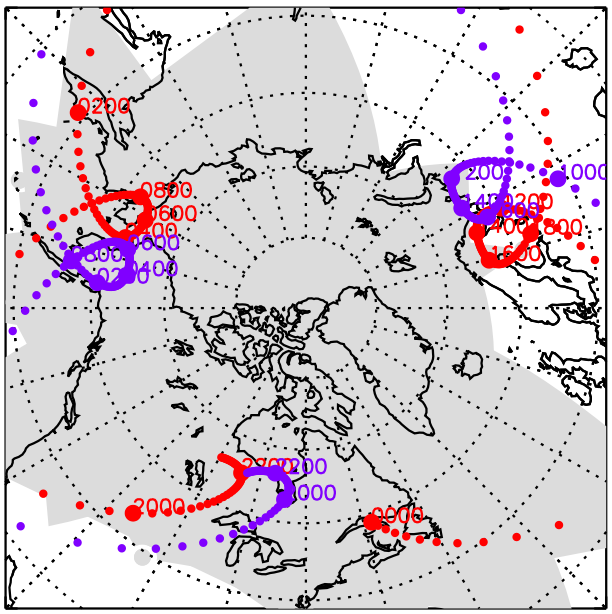


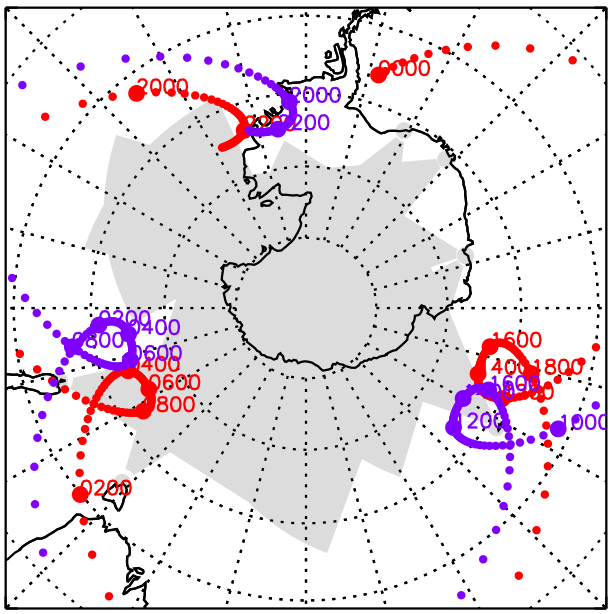

(c) 1720UT to 2305UT
cve fhe gbr wal
hal san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

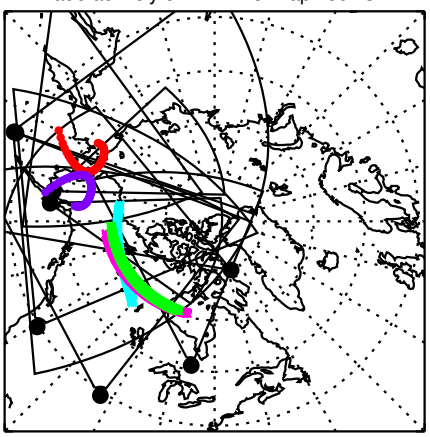
11−Oct−2013

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

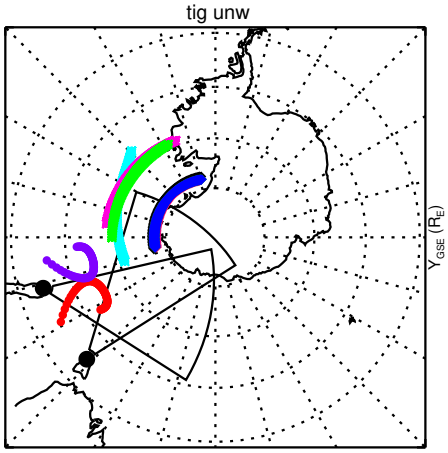


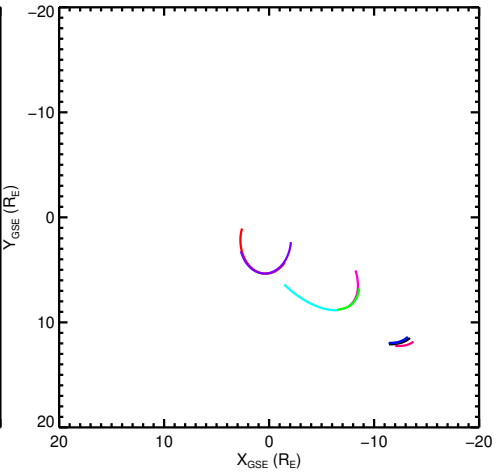


(a) 0220UT to 0805UT
ade adw cly cvw fhw hok kap kod ksr

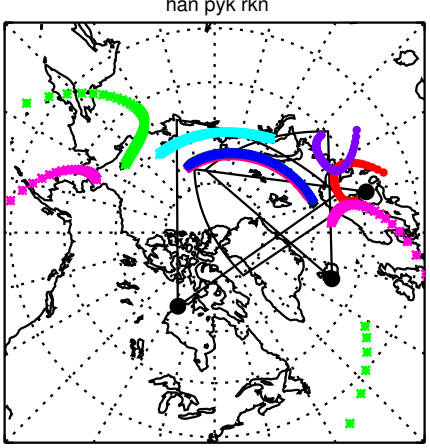


tig unw





(b) 1120UT to 1710UT
han pyk rkn



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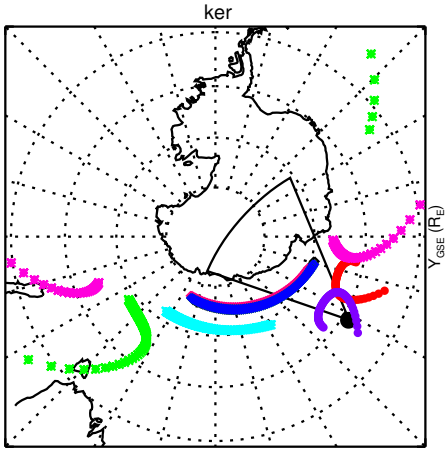
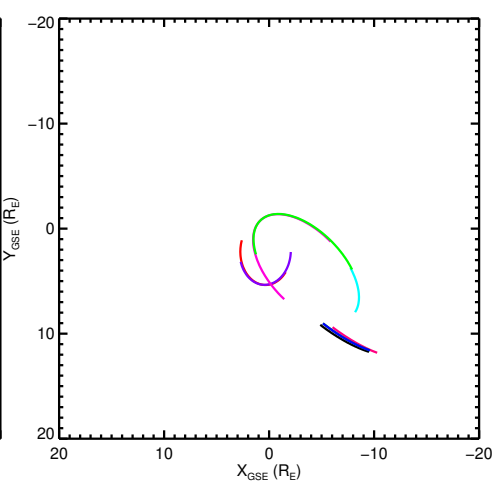
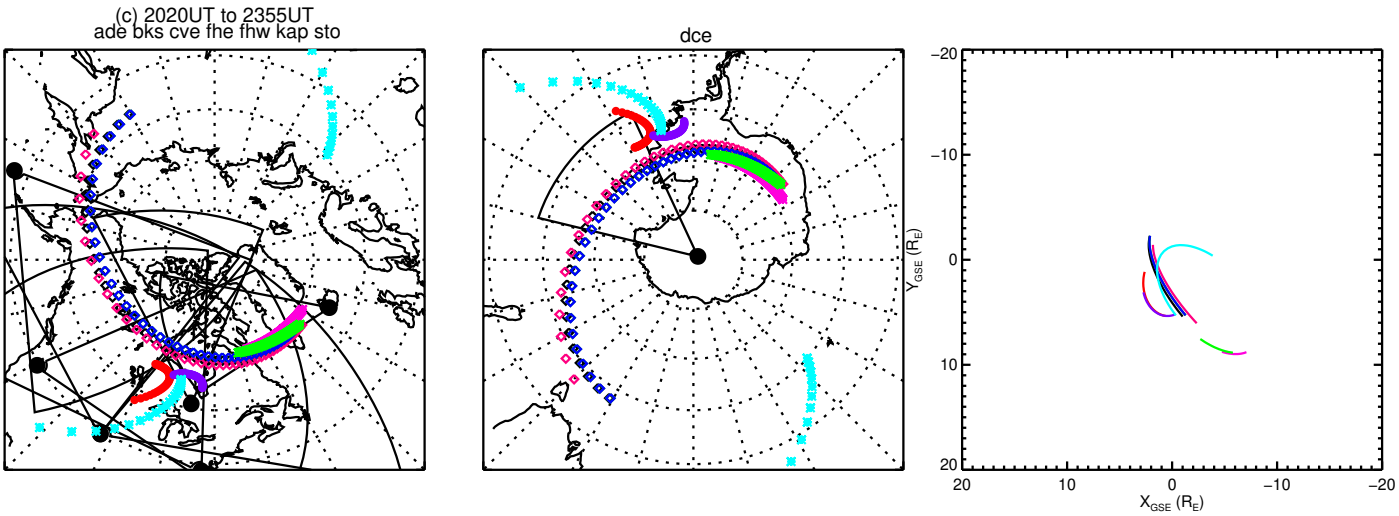


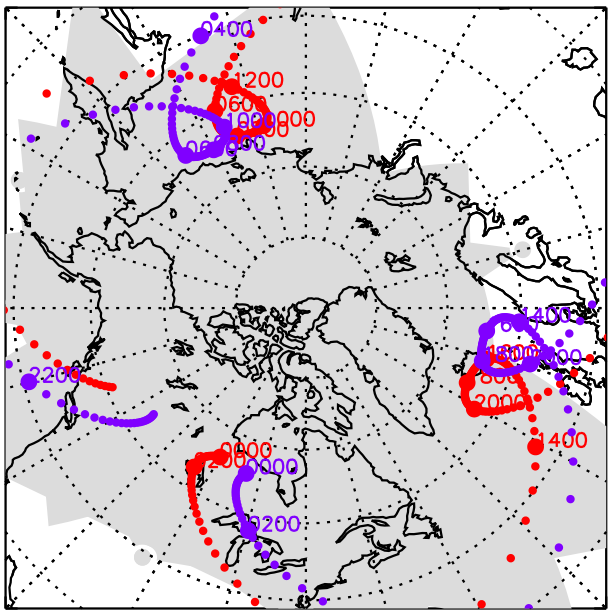


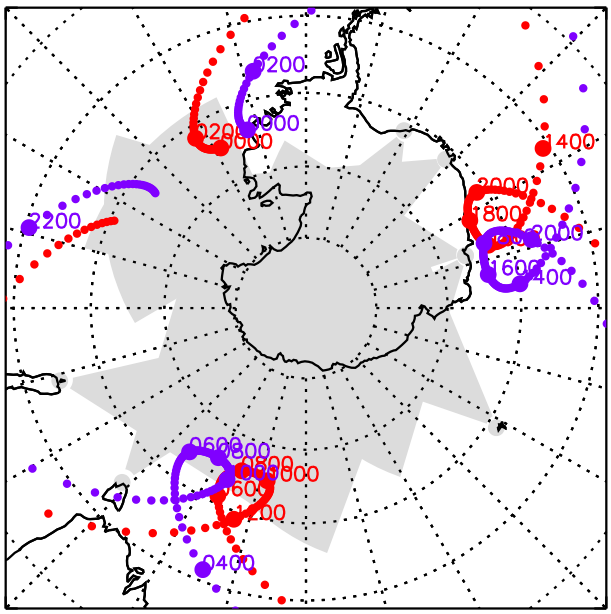

(c) 2020UT to 2355UT
ade bks cve fhe fhw kap sto
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

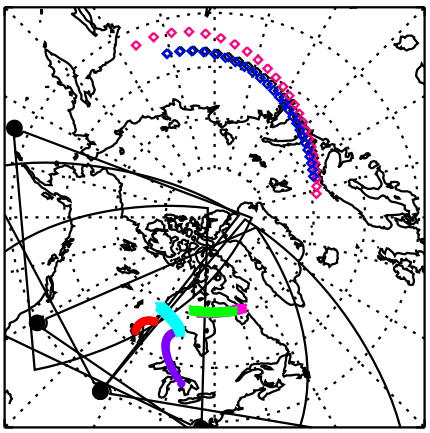
12–Oct–2013

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

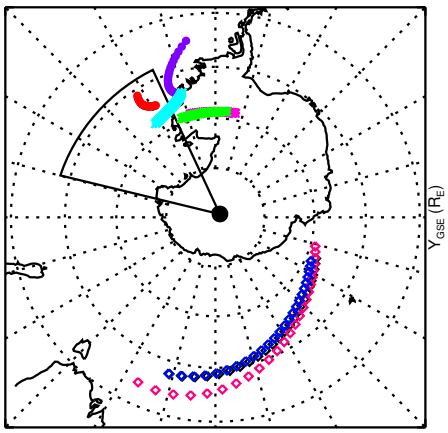


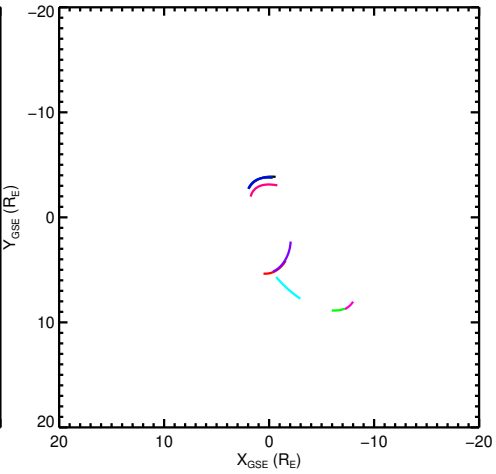


(a) 0000UT to 0210UT
ade bks cve fhe fhw

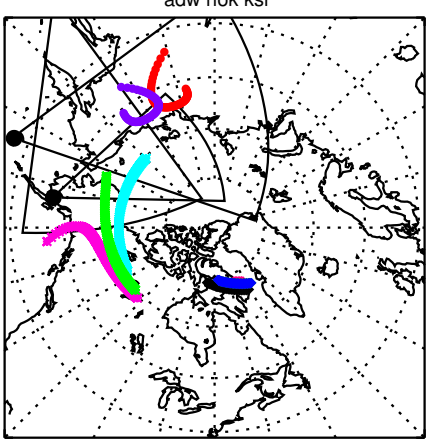


dce

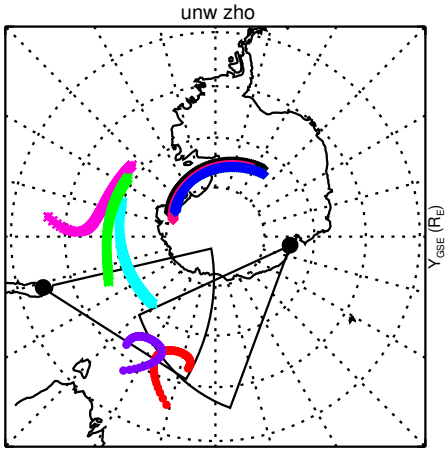


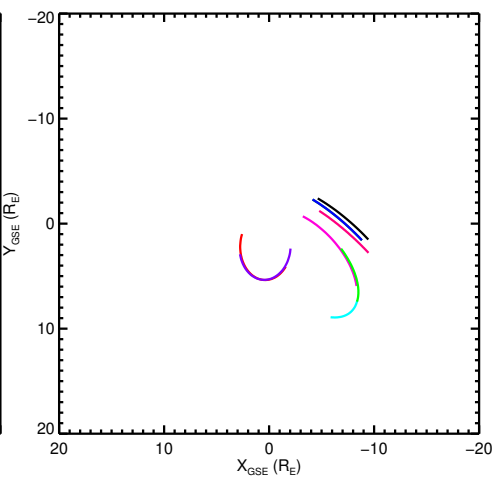


(b) 0515UT to 1110UT
adw hok ksr

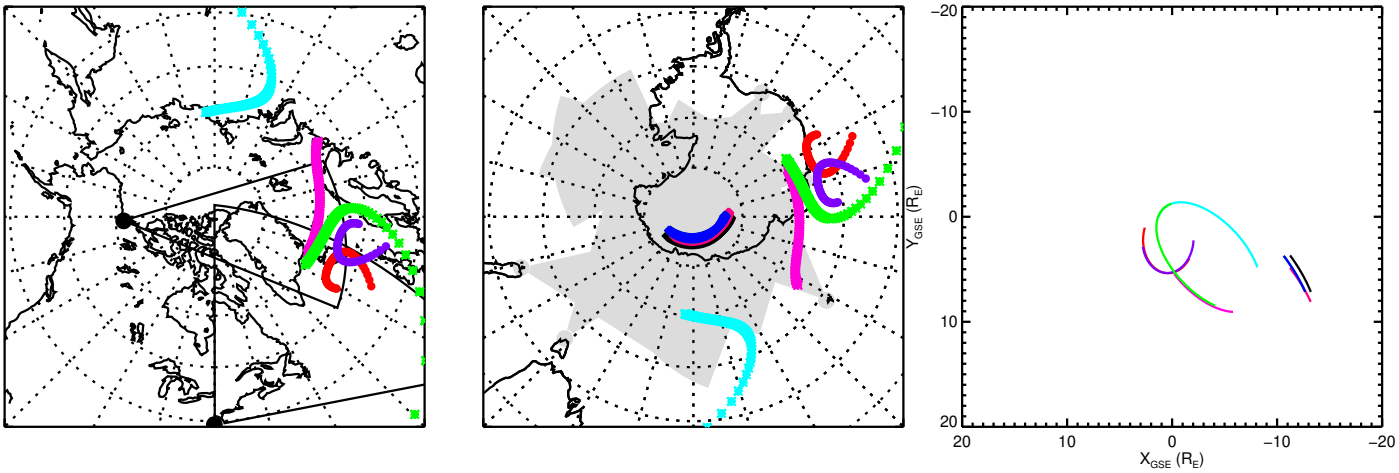


unw zho



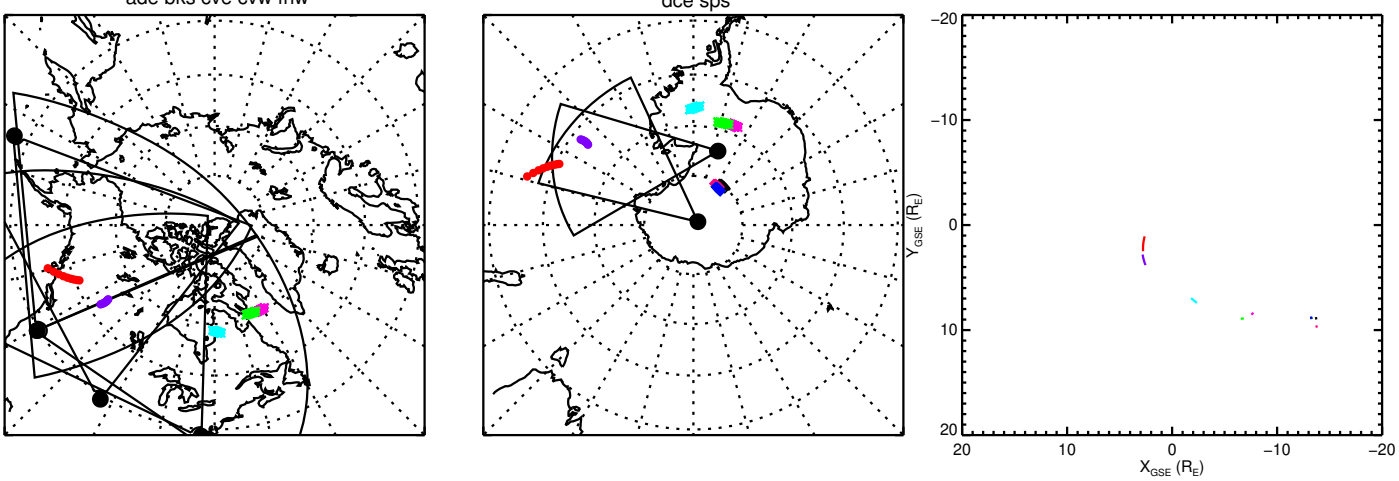


(c) 1415UT to 2015UT
inv wal



(d) 2315UT to 2355UT
ade bks cve cvw fhw

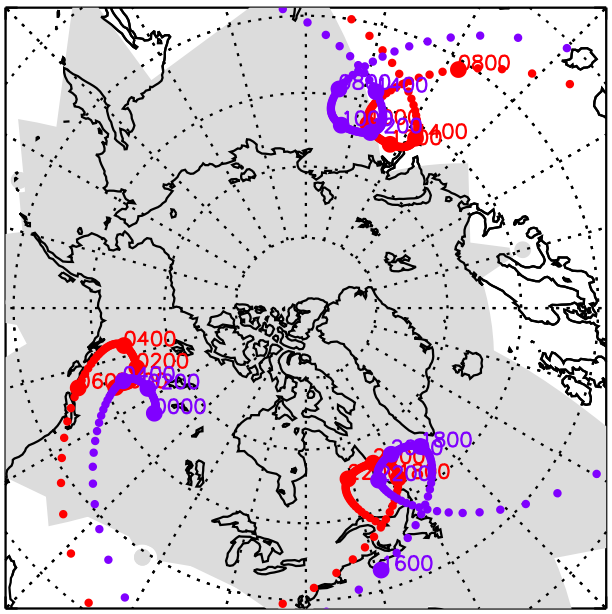
dce sps

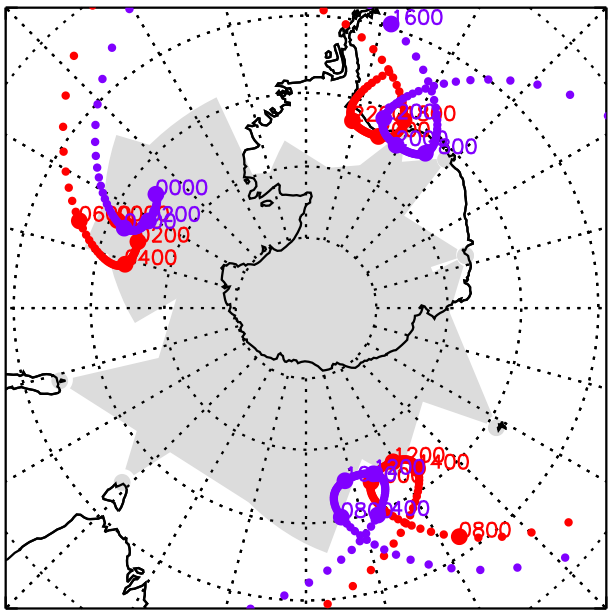


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

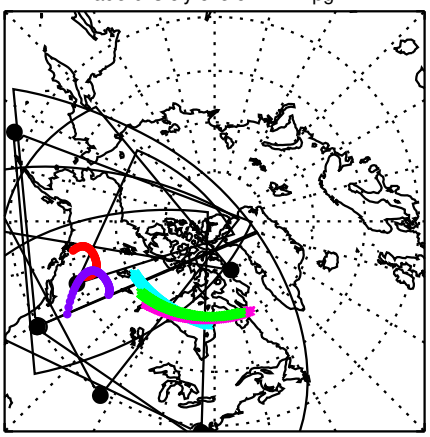
13–Oct–2013

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

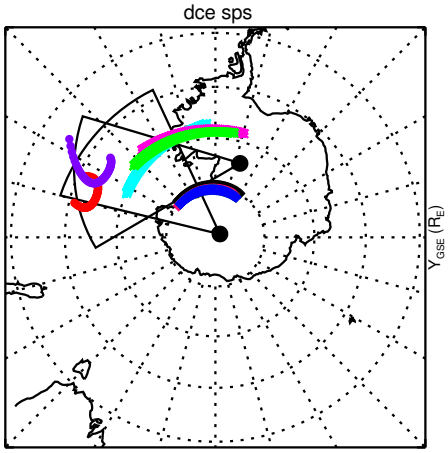


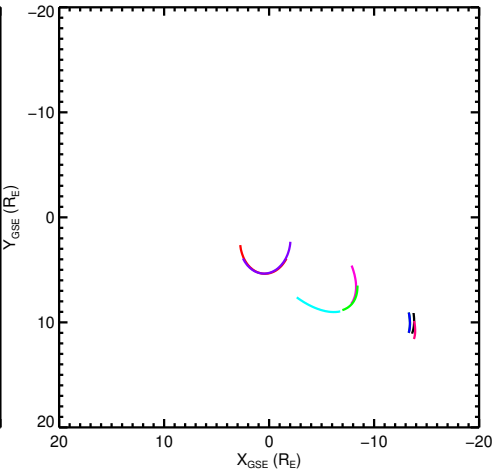


(a) 0000UT to 0515UT
ade bks cly cve cvw fhw pgr

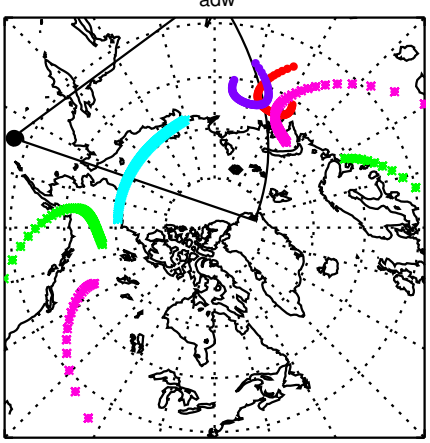


dce sps

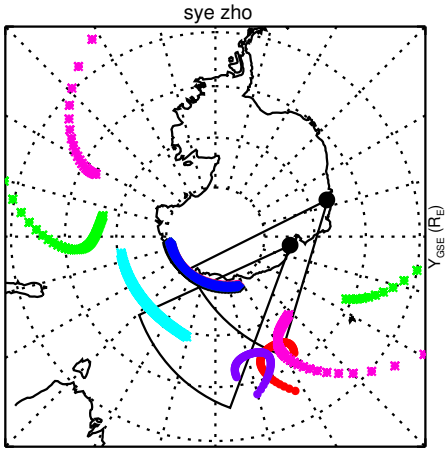


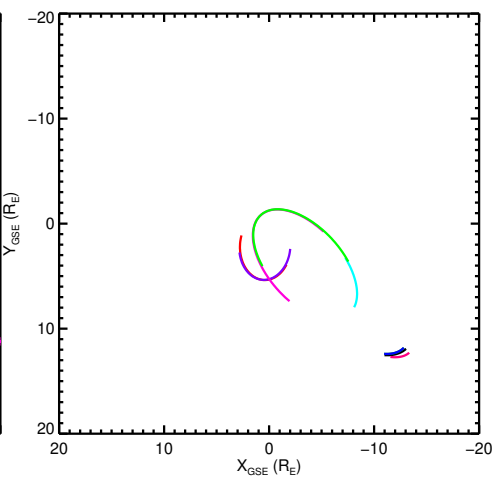


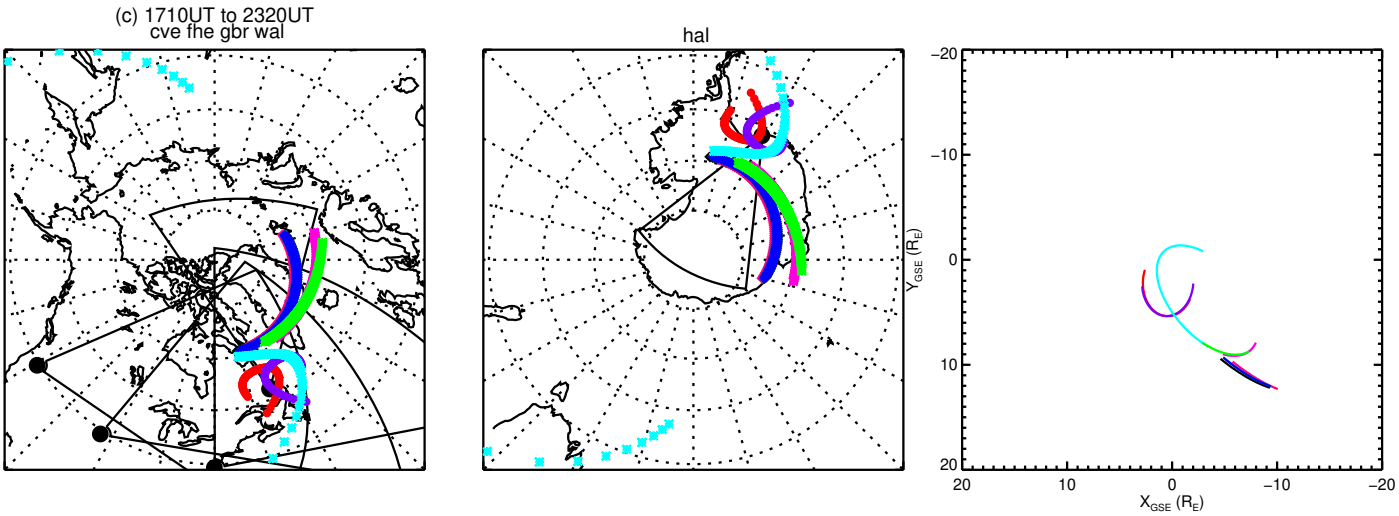
(b) 0815UT to 1415UT
adw



sye zho



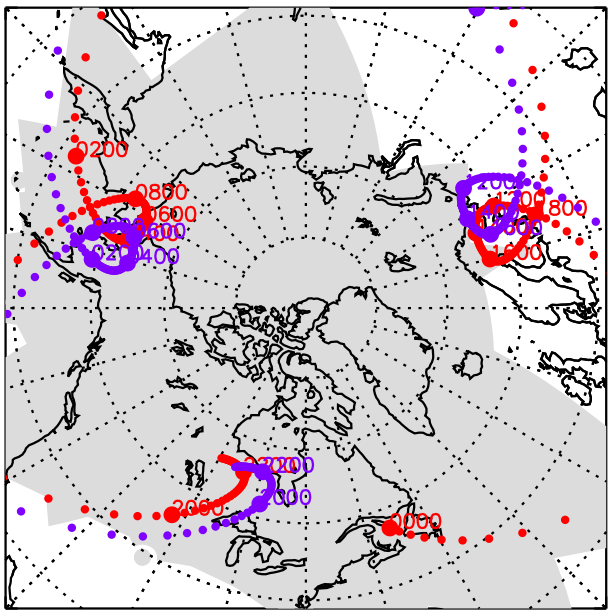


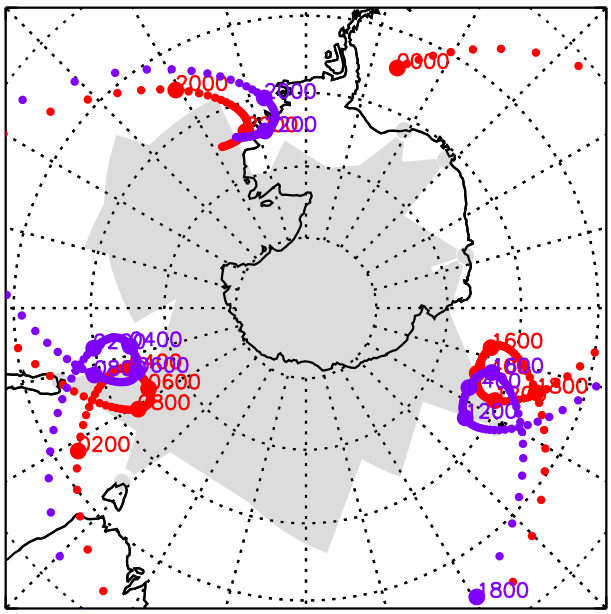

(c) 1710UT to 2320UT
cve fhe gbr wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

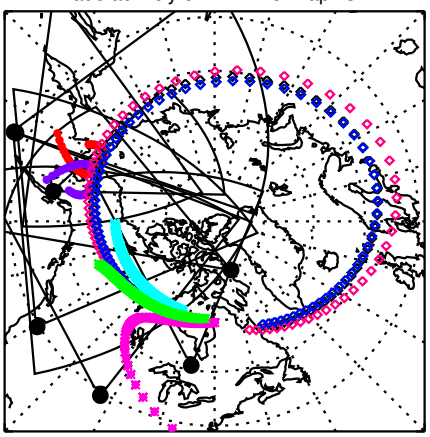
14–Oct–2013

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

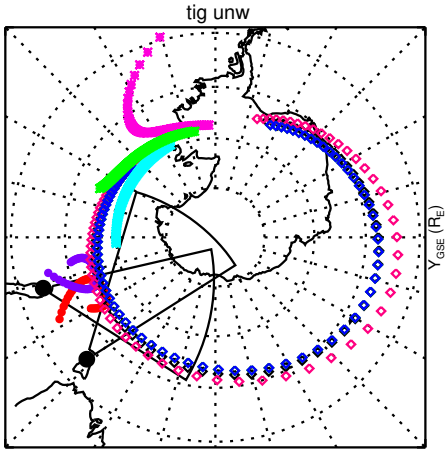


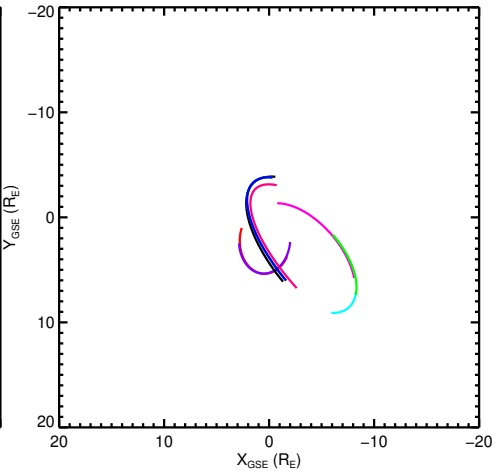


(a) 0210UT to 0820UT
ade adw cly cvw fhw hok kap ksr

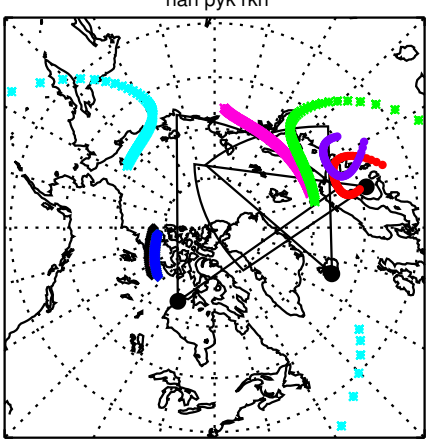


tig unw

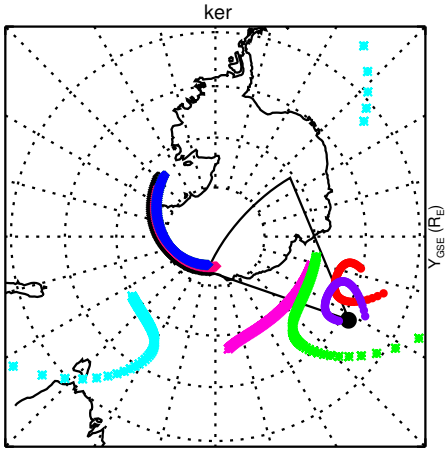


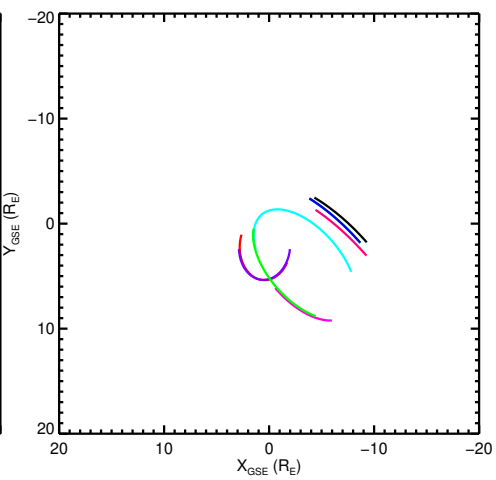


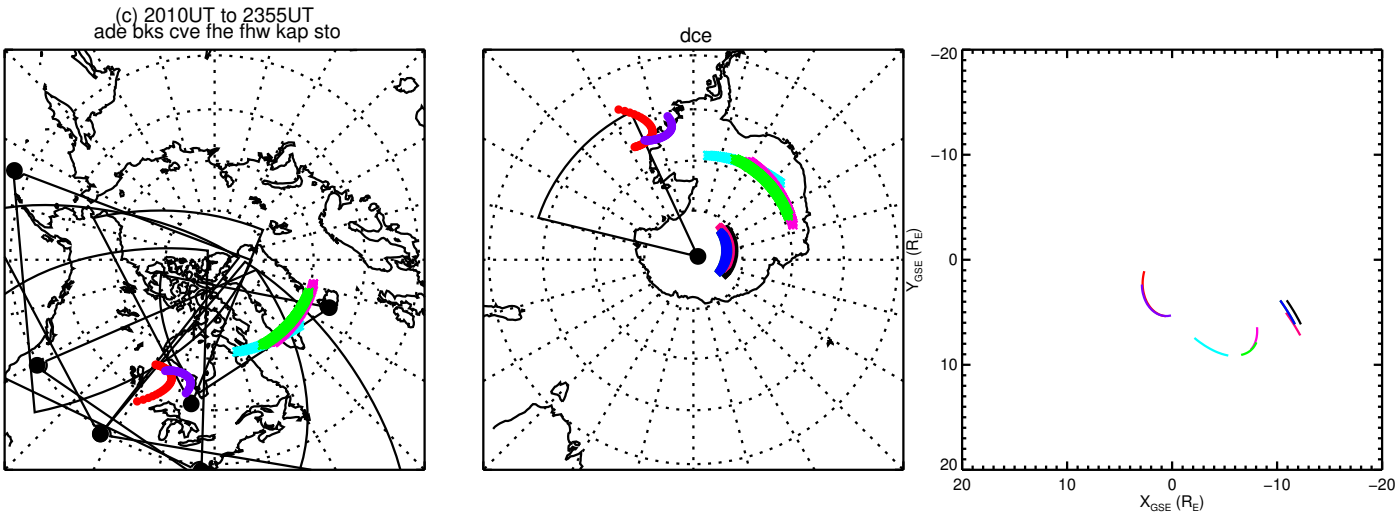
(b) 1110UT to 1720UT
han pyk rkn



ker



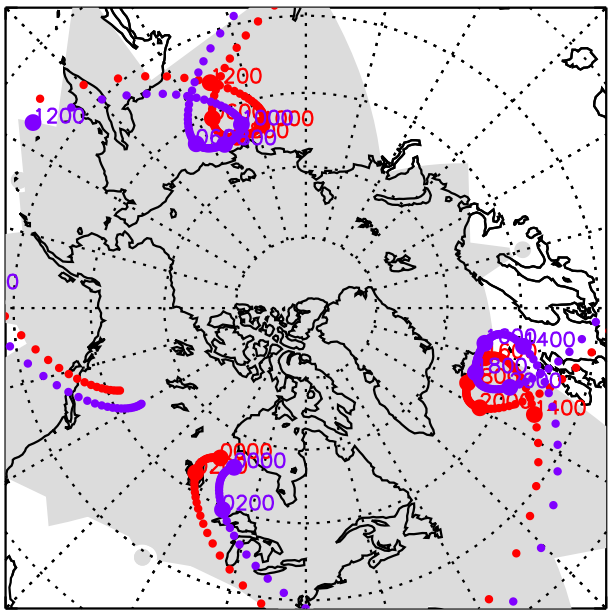


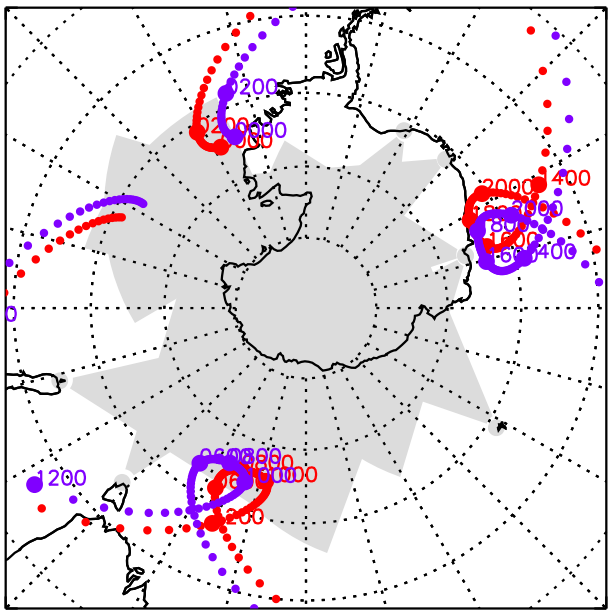

(c) 2010UT to 2355UT
ade bks cve fhe fhw kap sto
dce
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

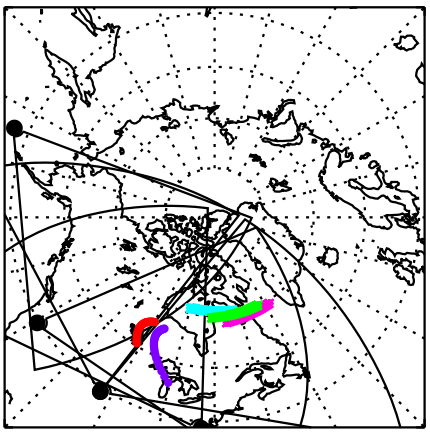
15–Oct–2013

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

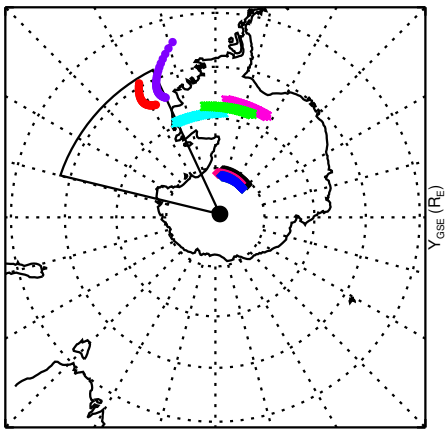


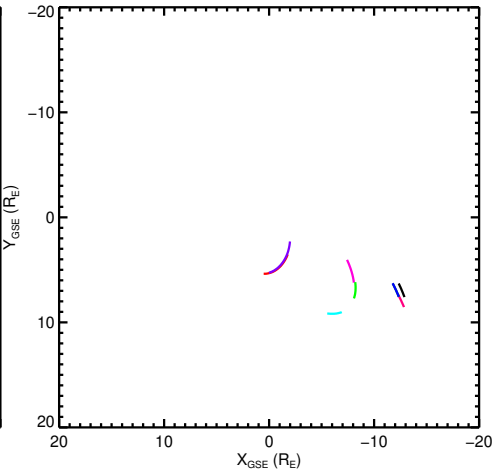


(a) 0000UT to 0225UT
ade bks cve fhe fhw

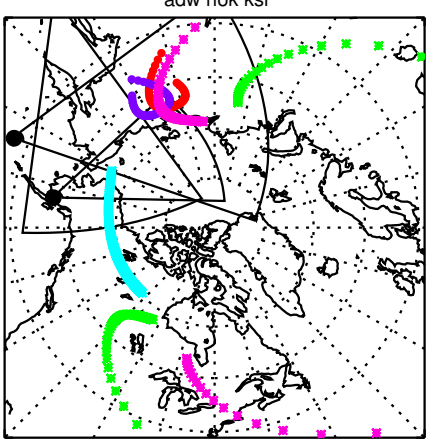


dce

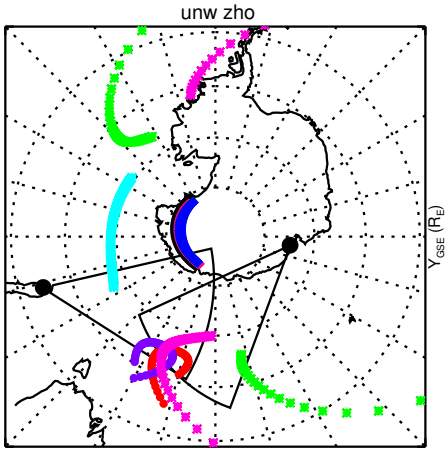


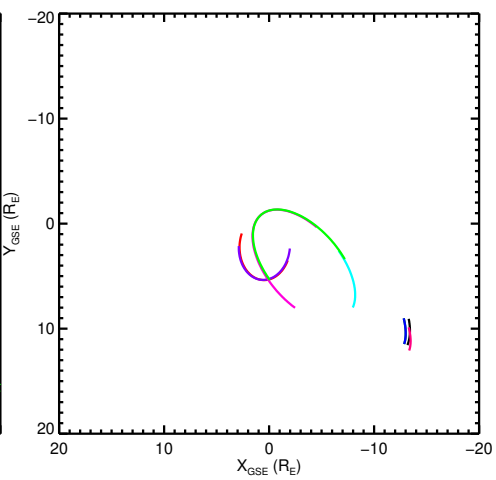


(b) 0505UT to 1125UT
adw hok ksr

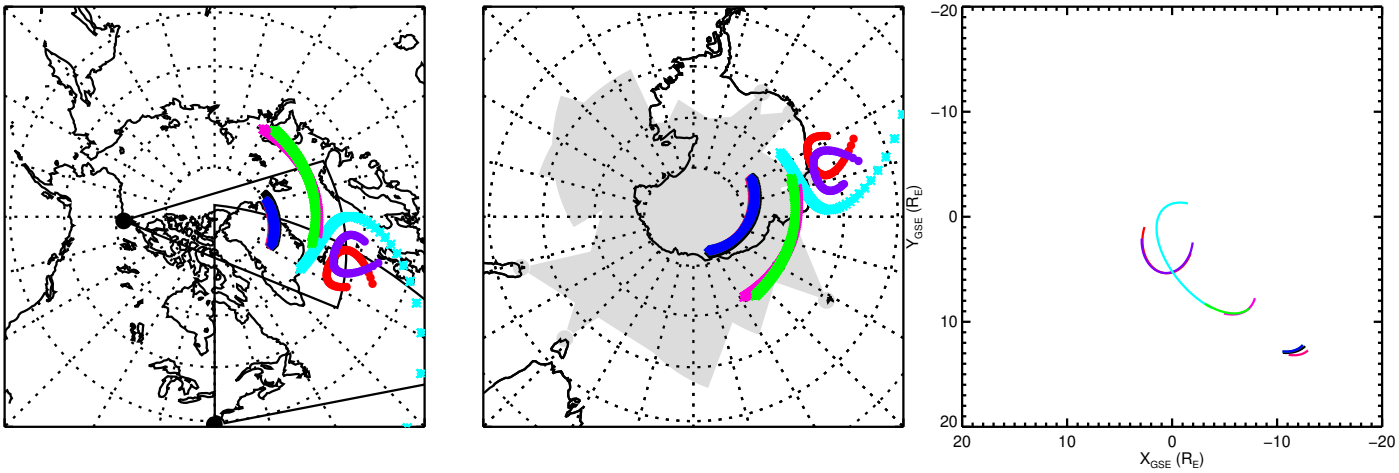


unw zho



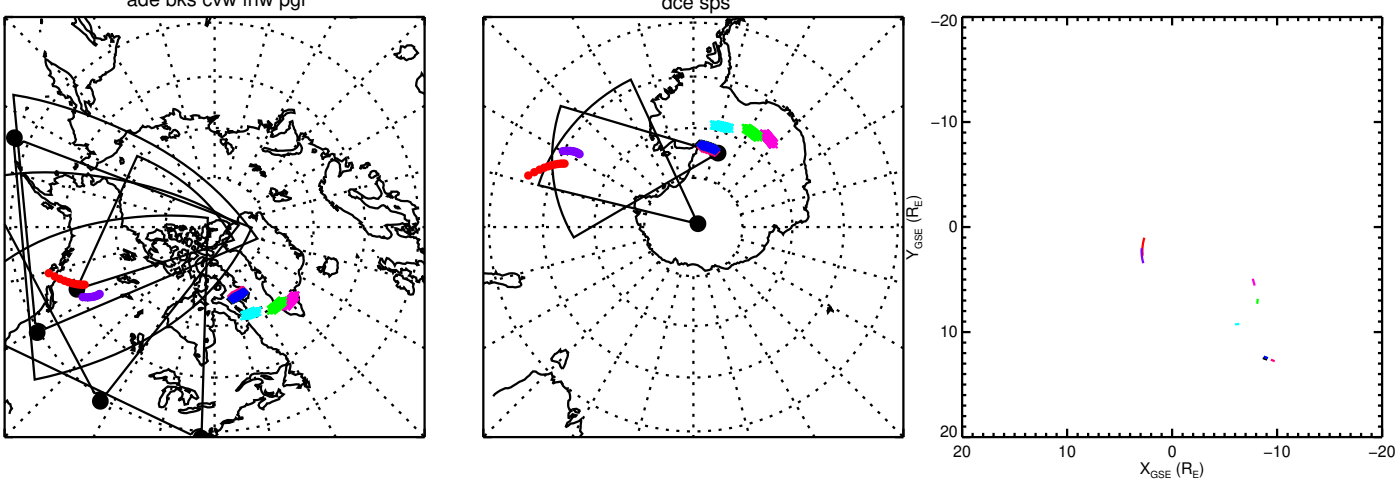


(c) 1405UT to 2025UT
inv wal



(d) 2305UT to 2355UT
ade bks cvw fhw pgr

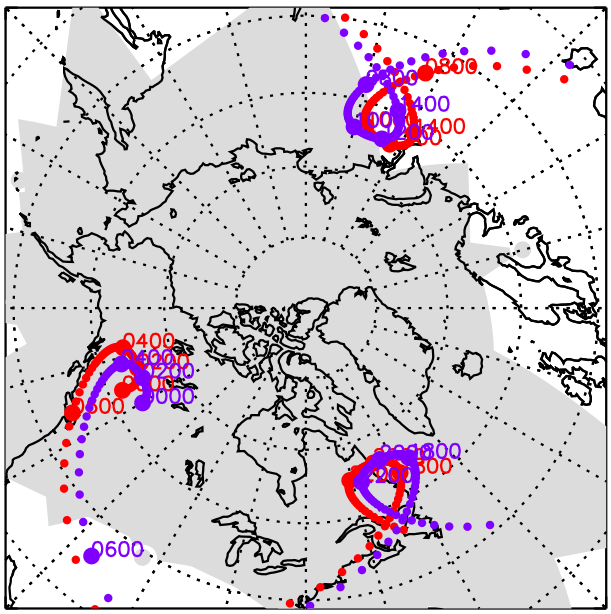
dce sps

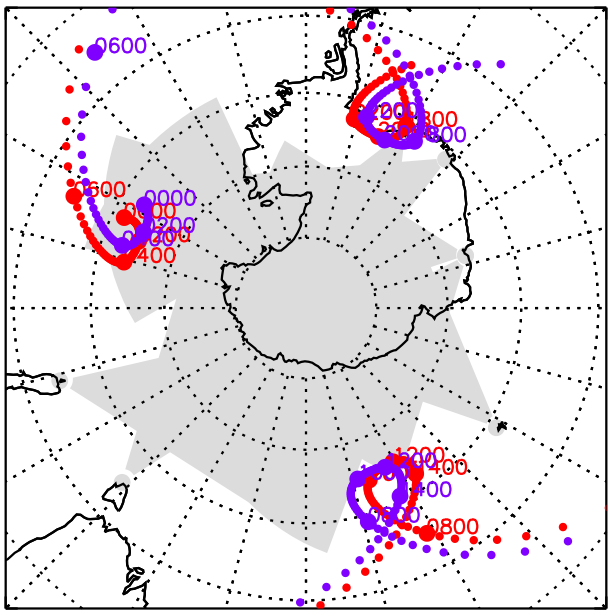


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

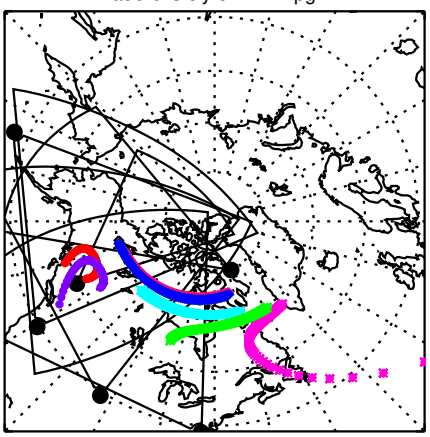
16–Oct–2013

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

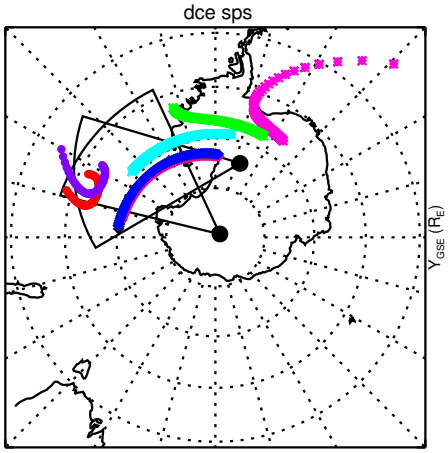


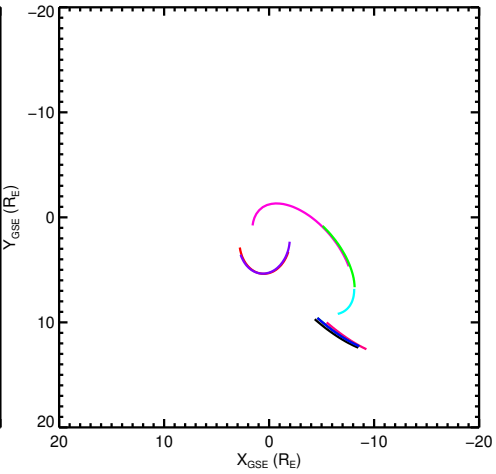


(a) 0000UT to 0530UT
ade bks cly cvw fhw pgr

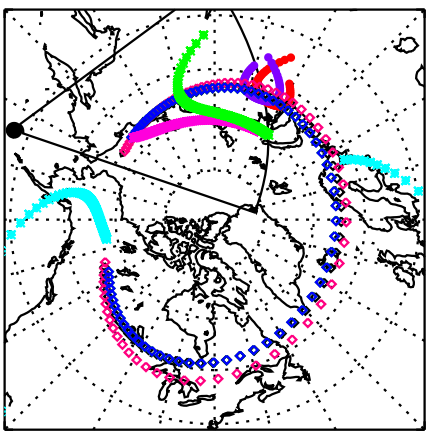


dce sps

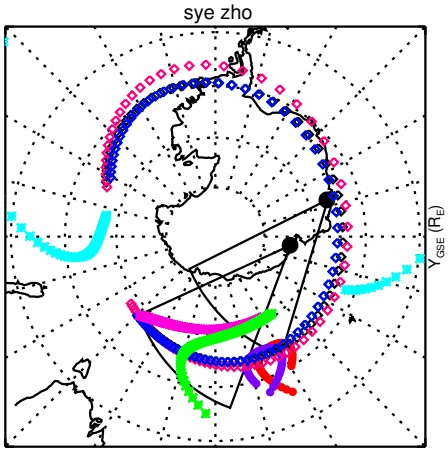


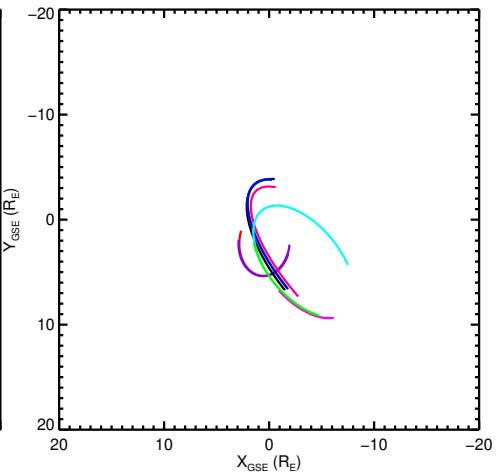


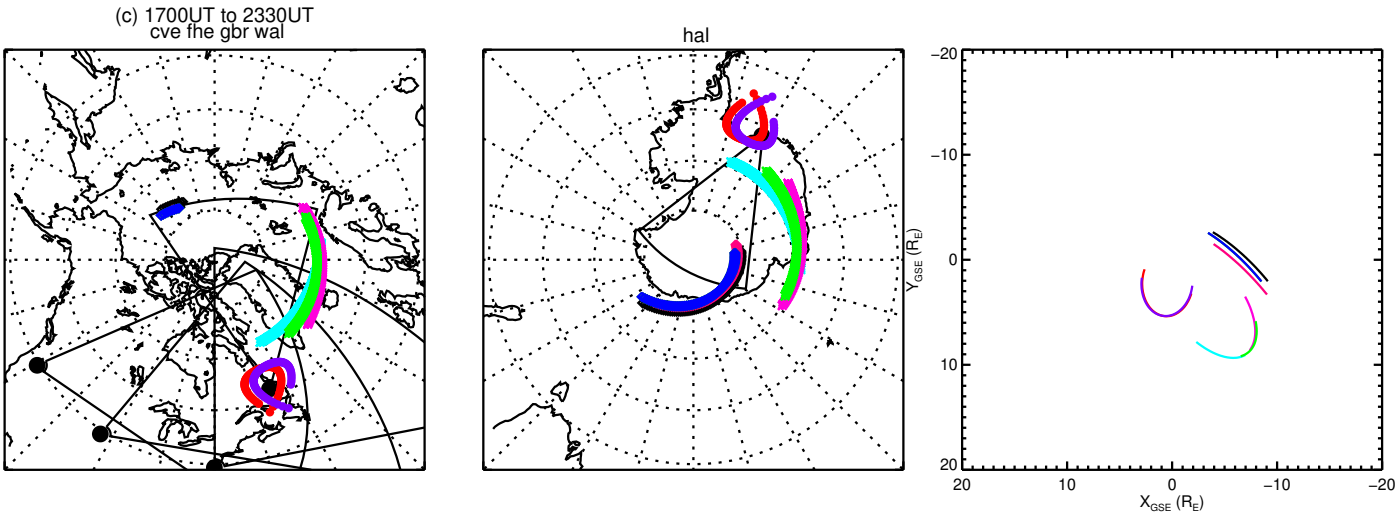
(b) 0805UT to 1430UT
adw



sye zho



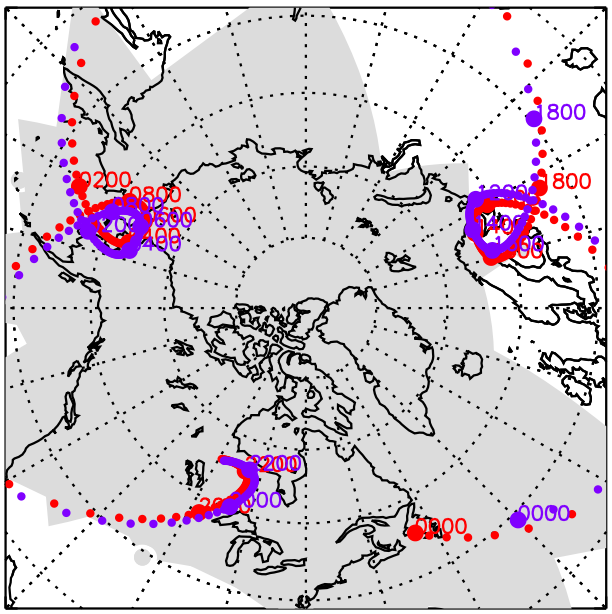


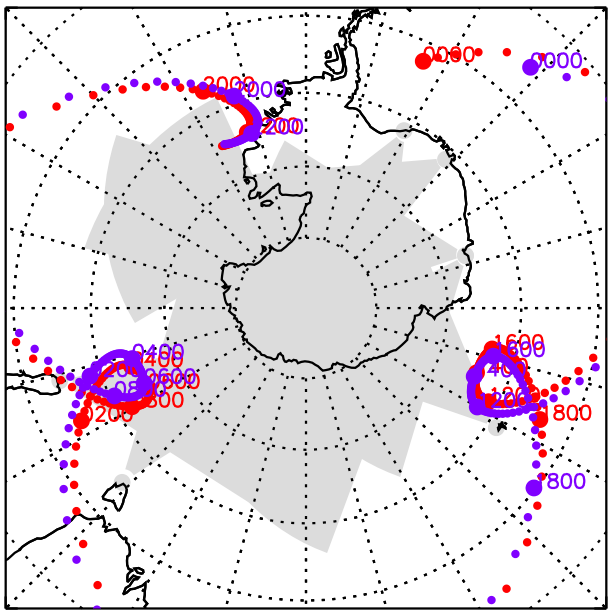

(c) 1700UT to 2330UT
cve fhe gbr wal
hal
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

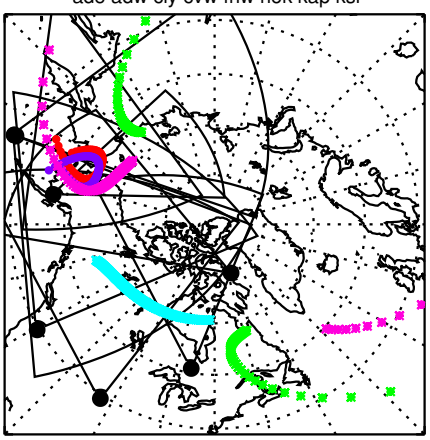
17–Oct–2013

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

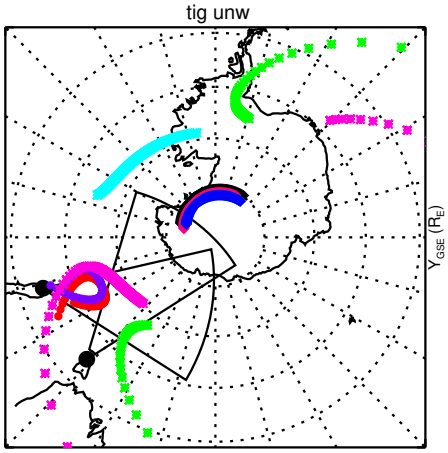


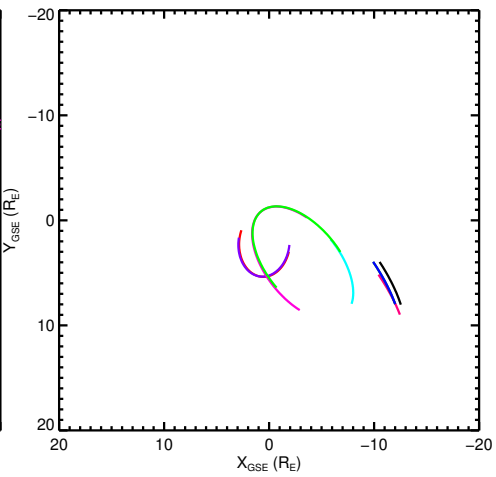


(a) 0200UT to 0835UT
ade adw cly cvw fhw hok kap ksr

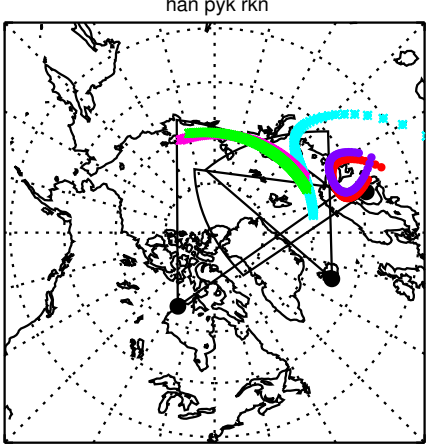


tig unw

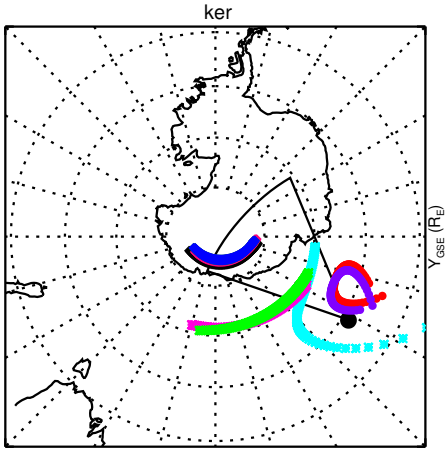


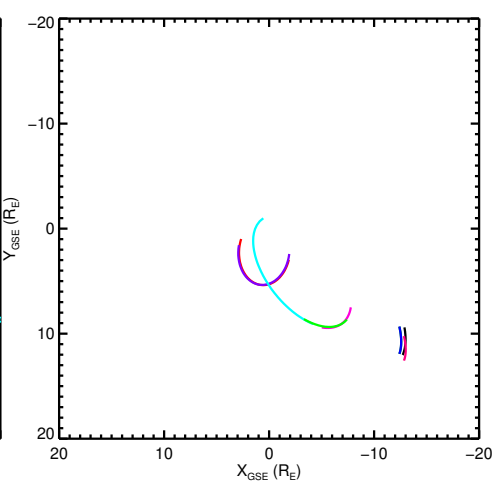


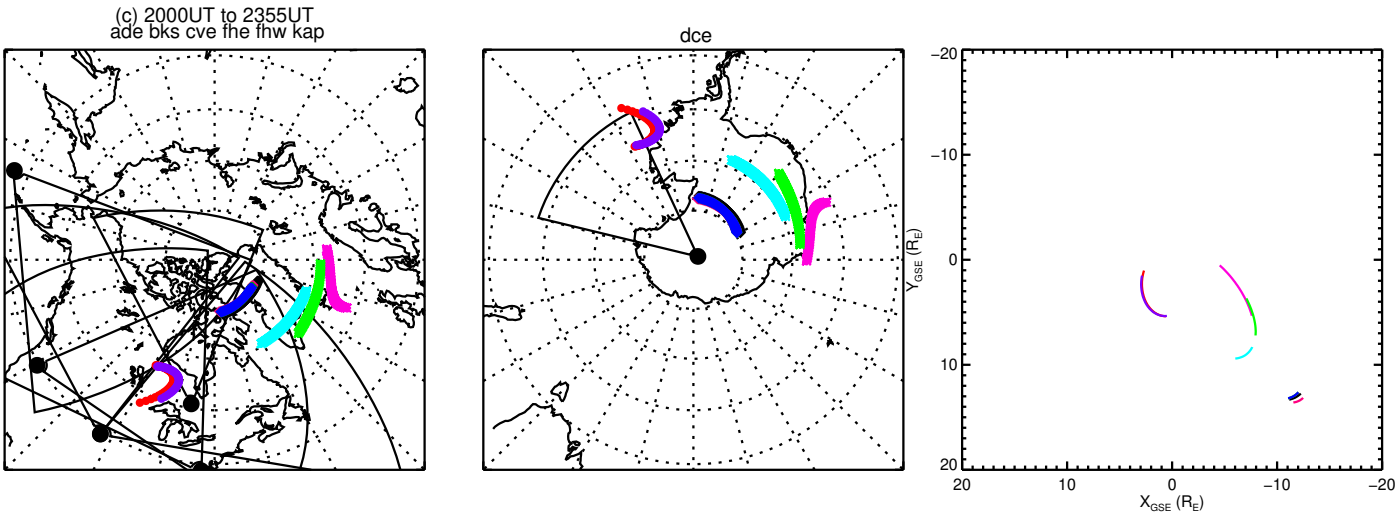
(b) 1100UT to 1735UT
han pyk rkn



ker



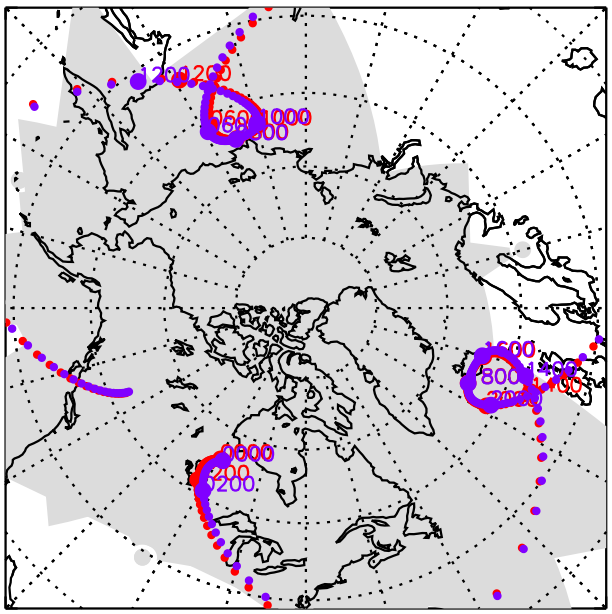


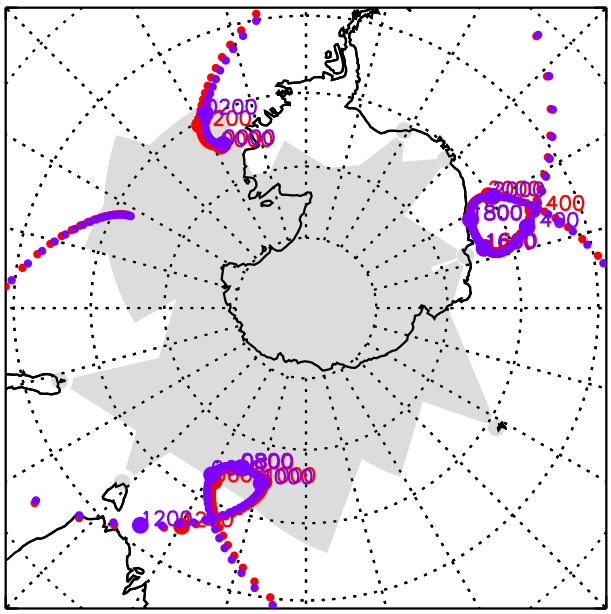

(c) 2000UT to 2355UT
ade bks cve fhe fhw kap
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

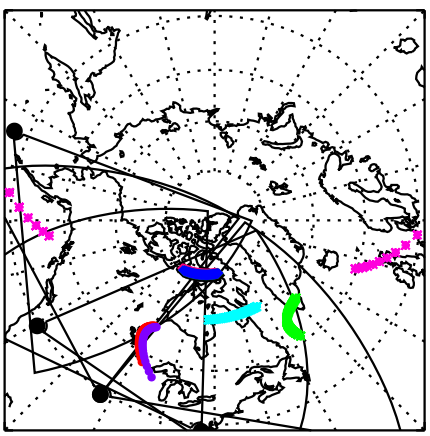
18–Oct–2013

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

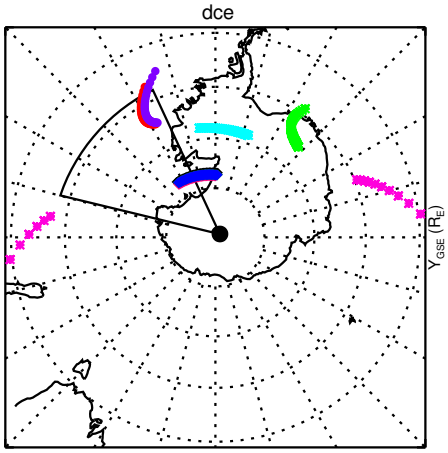


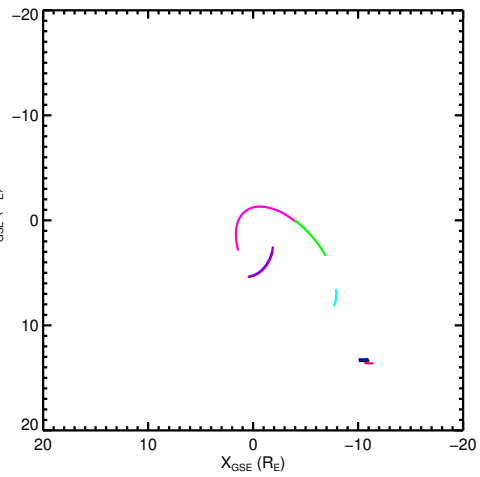


(a) 0000UT to 0235UT
ade bks cve fhe fhw

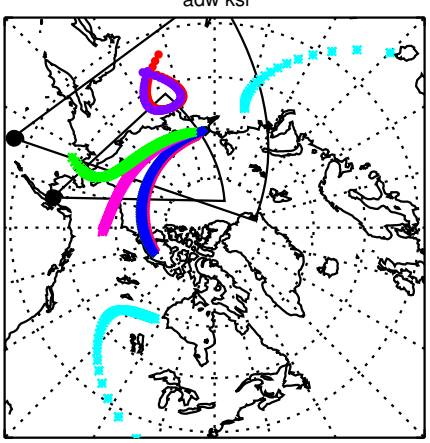


dce

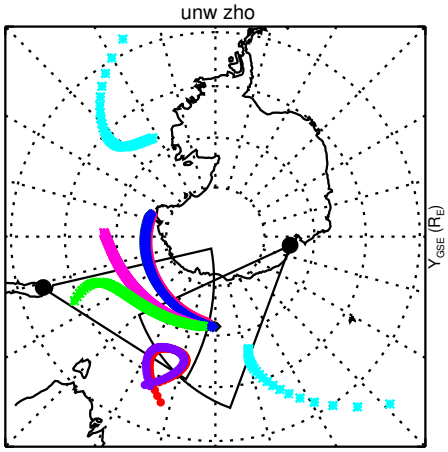


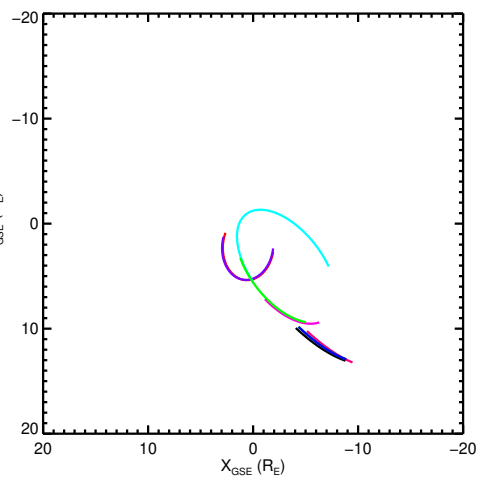


(b) 0455UT to 1140UT
adw ksr

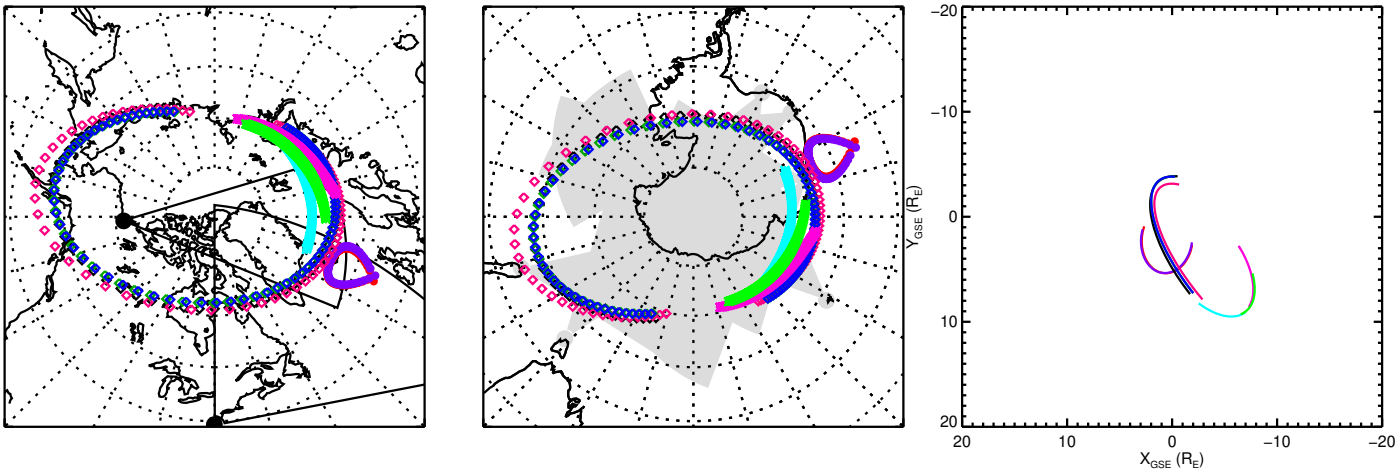


unw zho



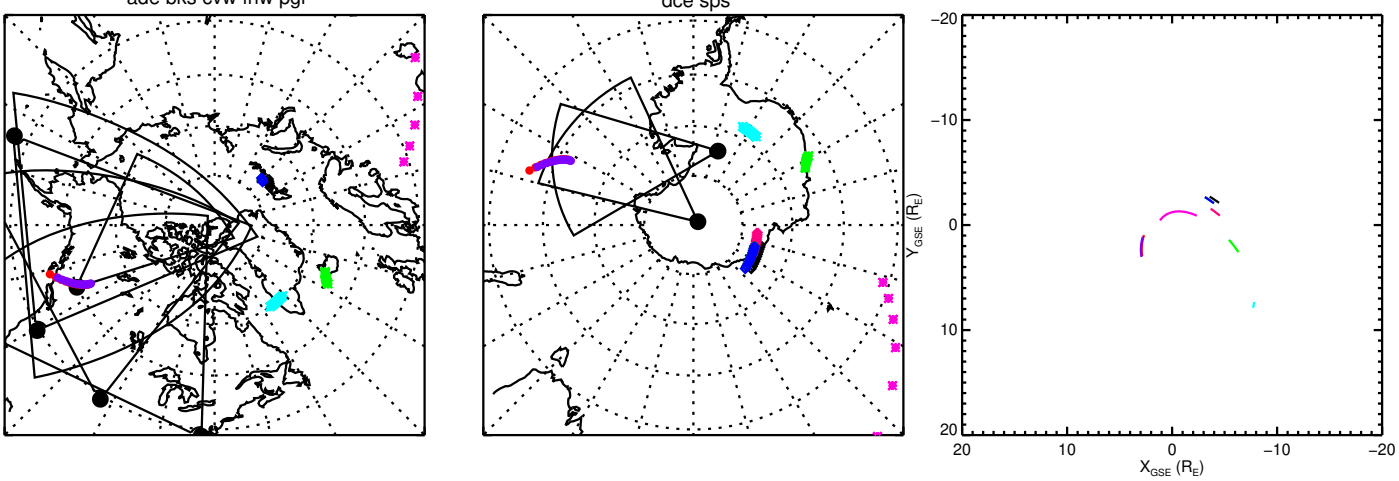


(c) 1355UT to 2040UT
inv wal



(d) 2255UT to 2355UT
ade bks cvw fhw pgr

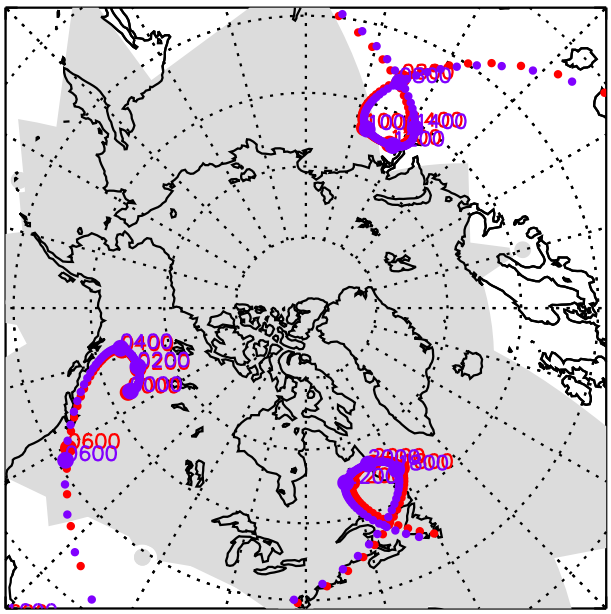
dce sps

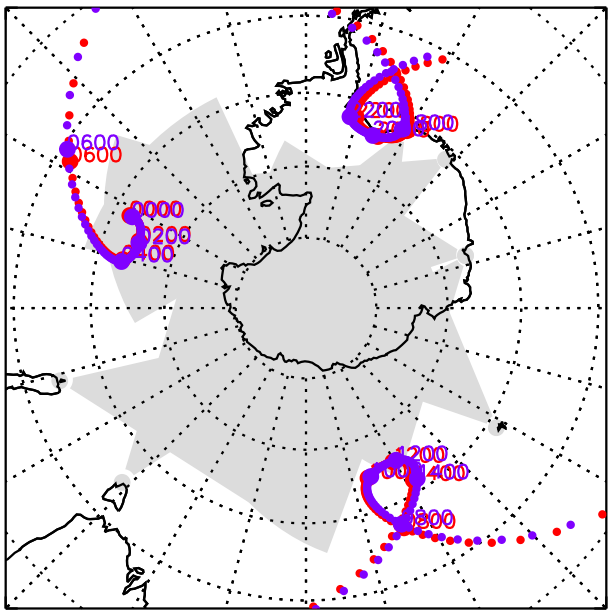


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

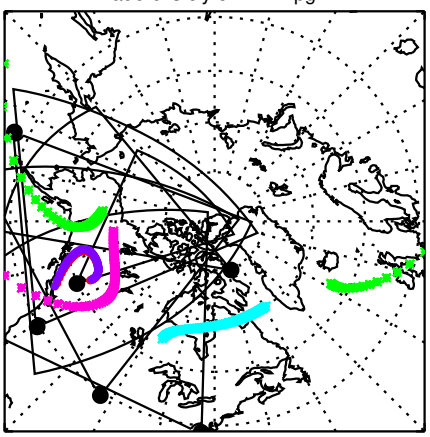
19–Oct–2013

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

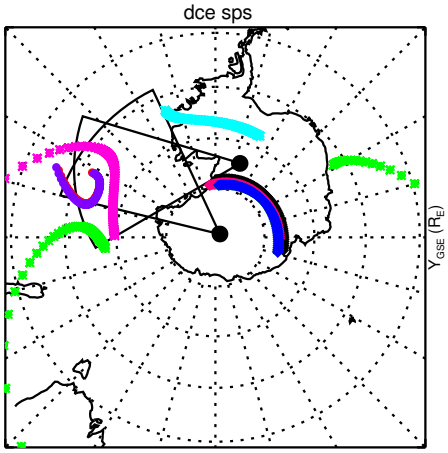


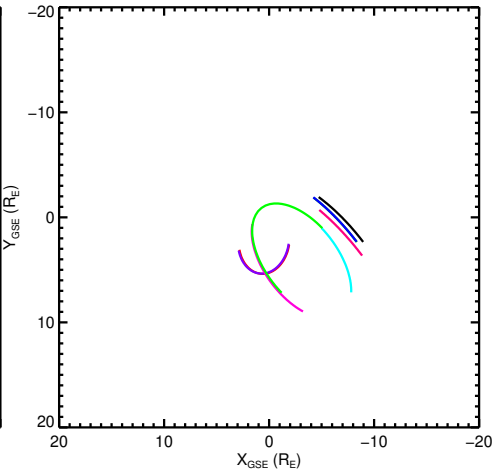


(a) 0000UT to 0540UT
ade bks cly cvw fhw pgr

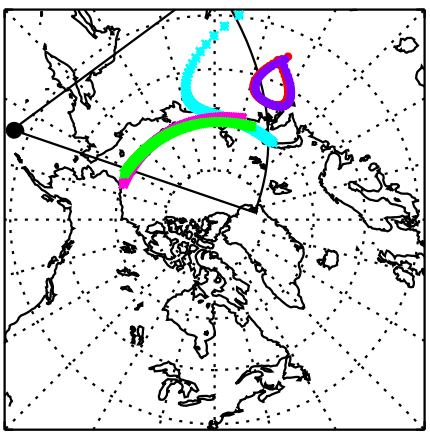


dce sps

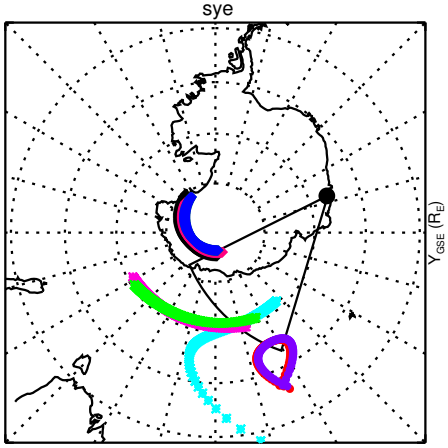


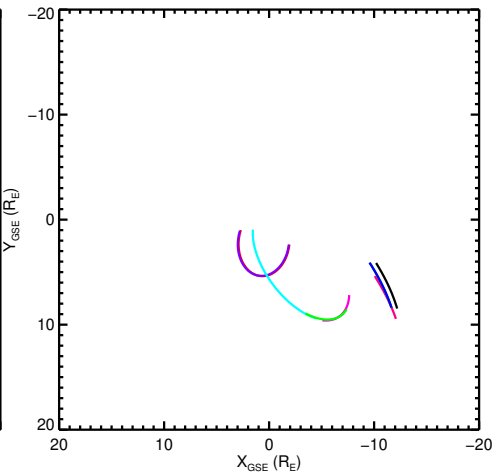


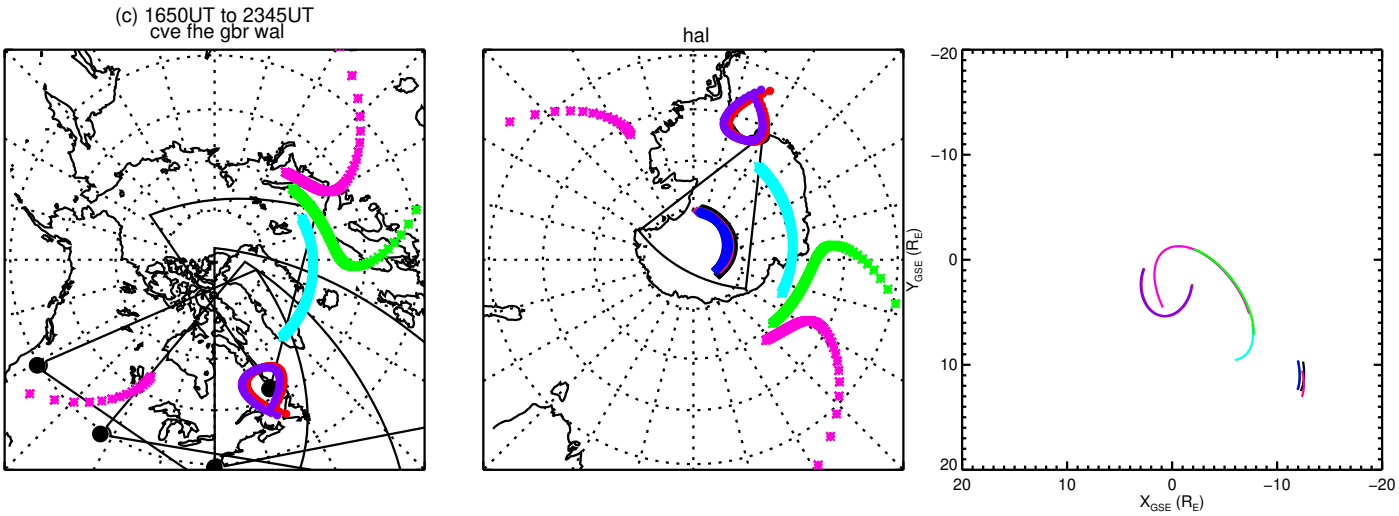
(b) 0755UT to 1445UT
adw



sye



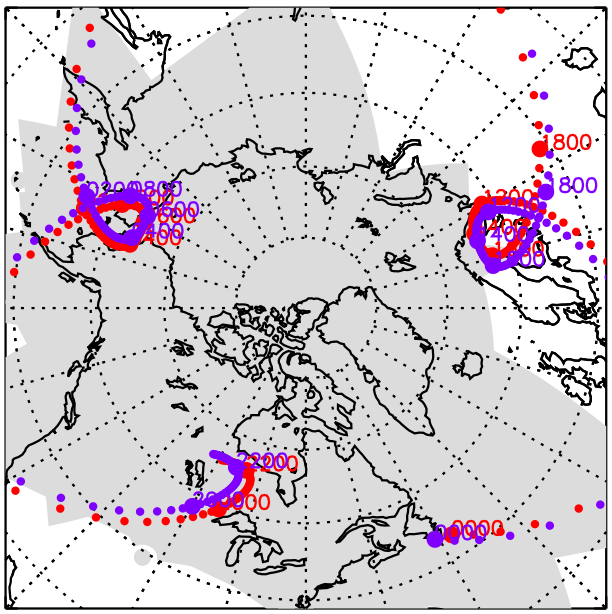


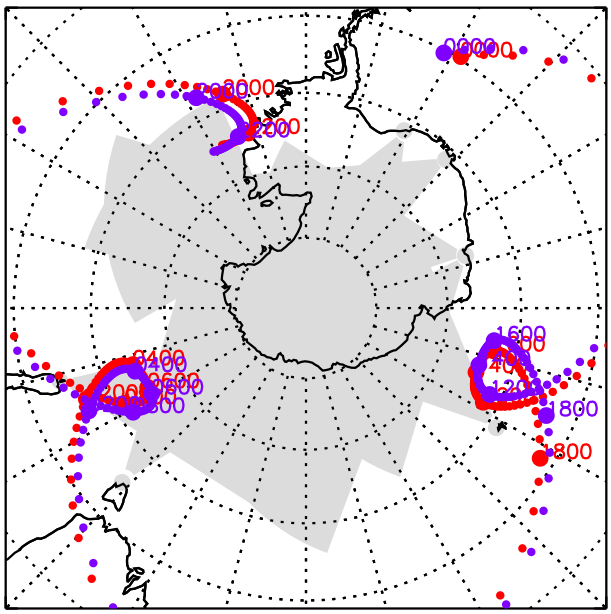

(c) 1650UT to 2345UT
cve fhe gbr wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

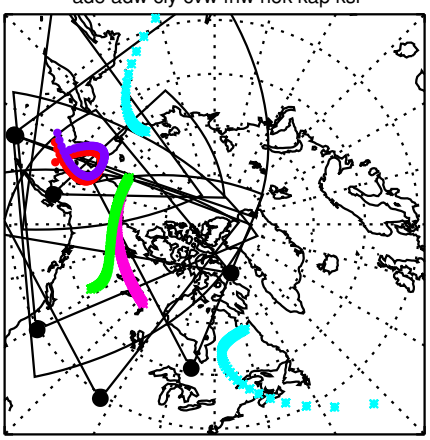
20–Oct–2013

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

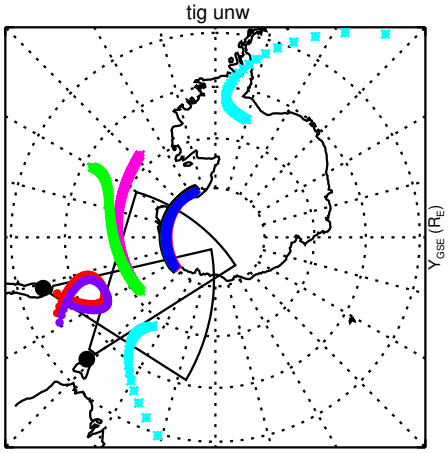


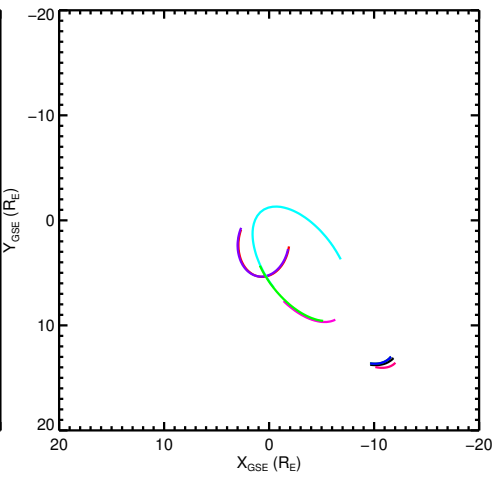


(a) 0150UT to 0840UT
ade adw cly cvw fhw hok kap ksr

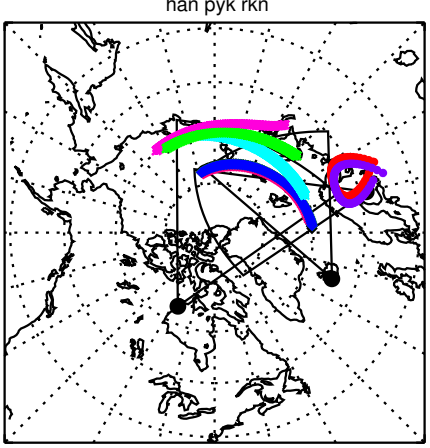


tig unw

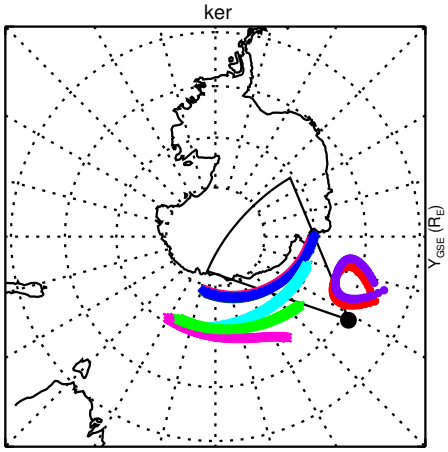


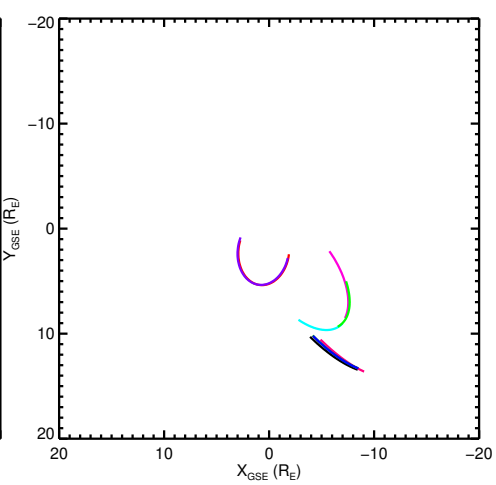


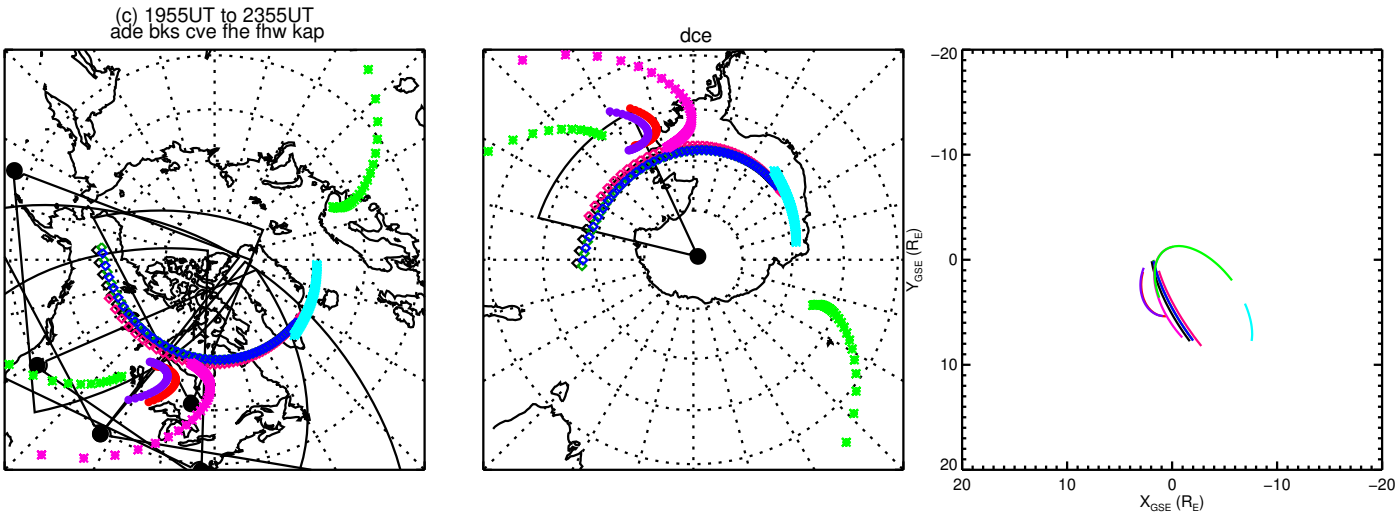
(b) 1055UT to 1740UT
han pyk rkn



ker



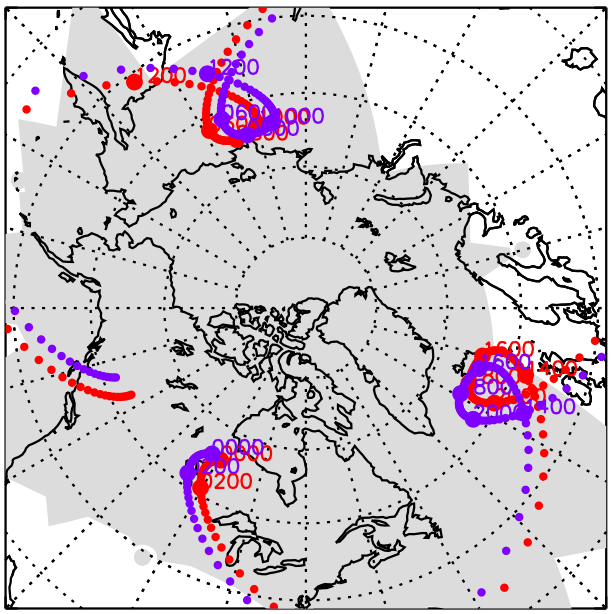


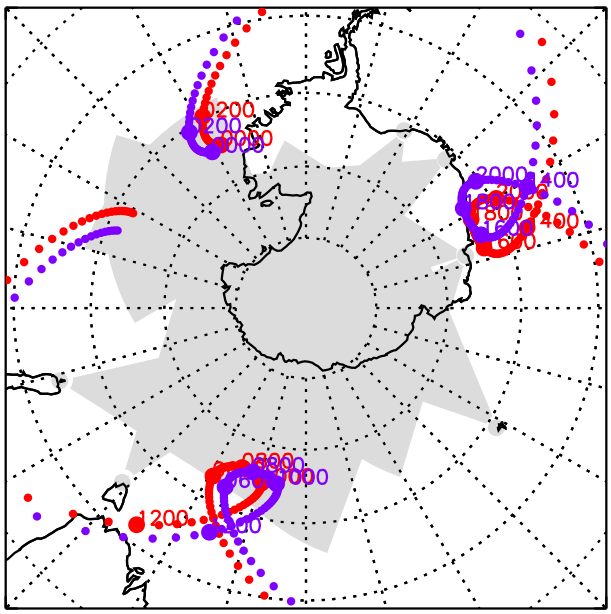

(c) 1955UT to 2355UT
ade bks cve fhe fhw kap
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

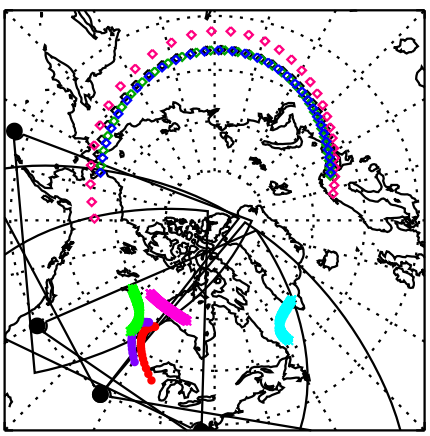
21−Oct−2013

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

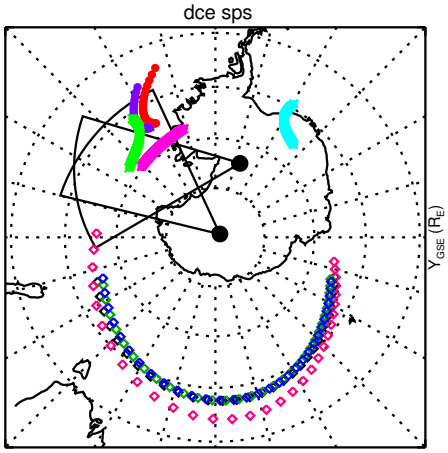


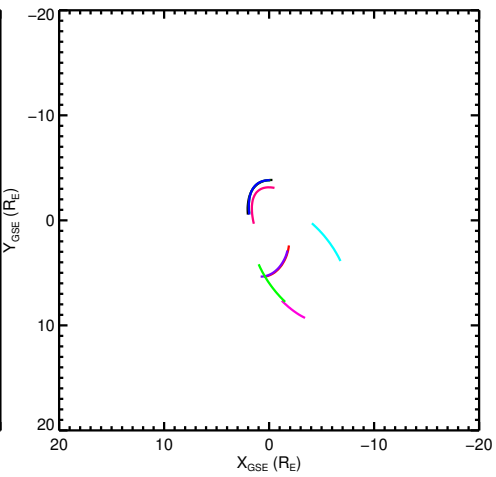


(a) 0000UT to 0240UT
ade bks cve fhe fhw

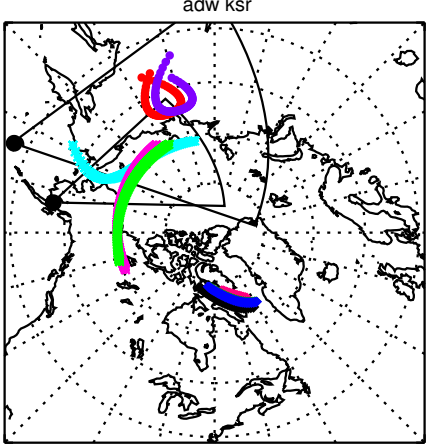


dce sps

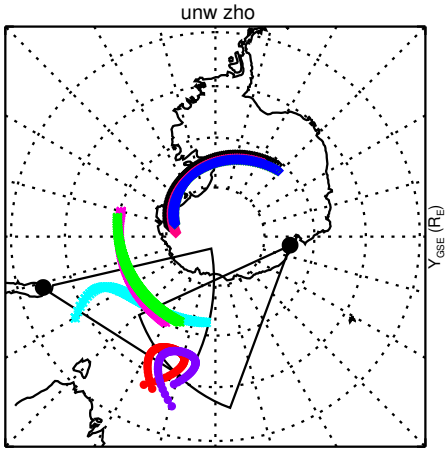


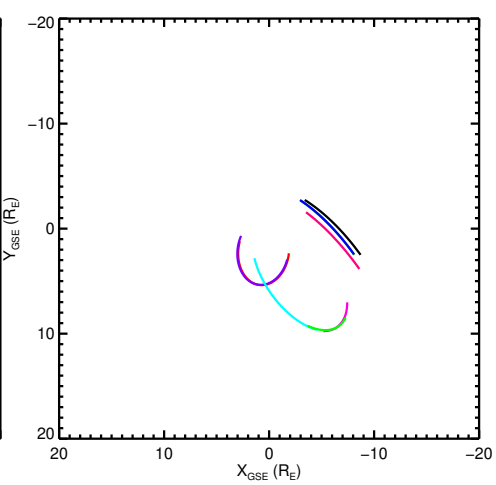


(b) 0455UT to 1140UT
adw ksr

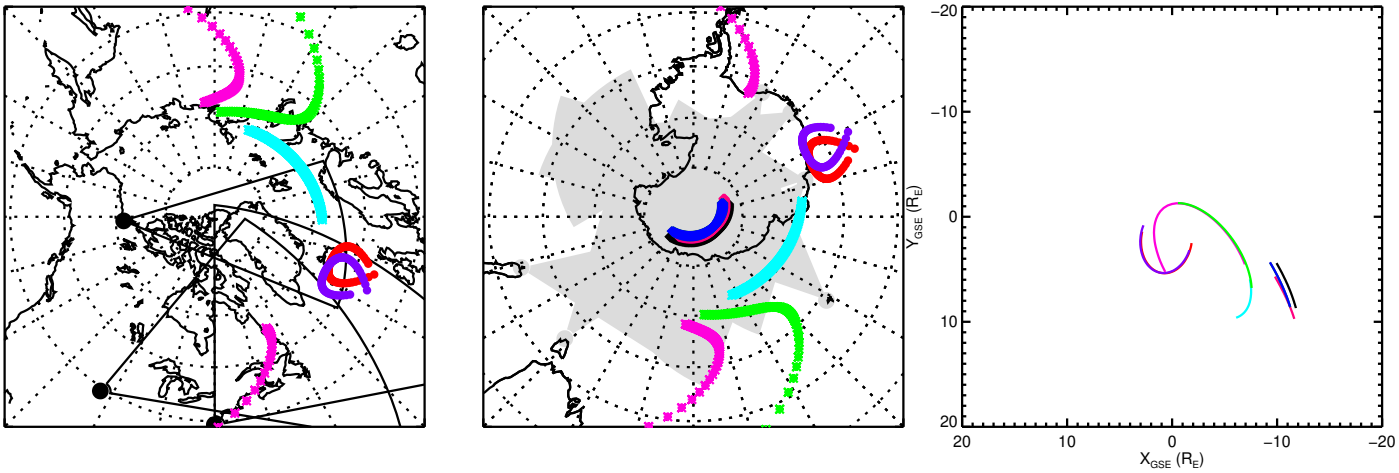


unw zho



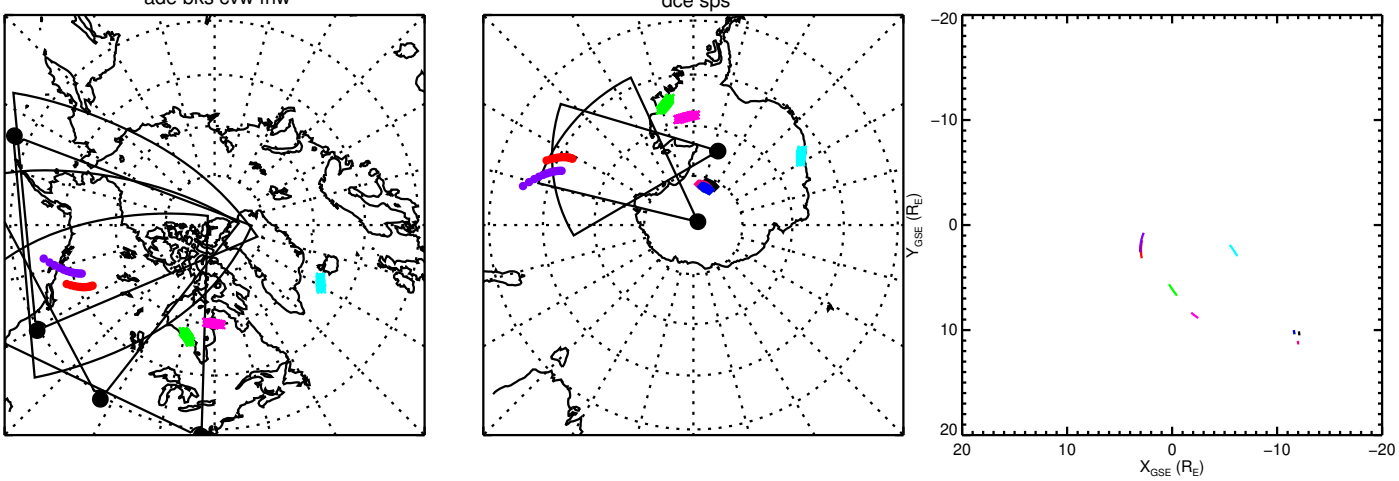


(c) 1400UT to 2035UT
fhe inv wal



(d) 2300UT to 2355UT
ade bks cvw fhw

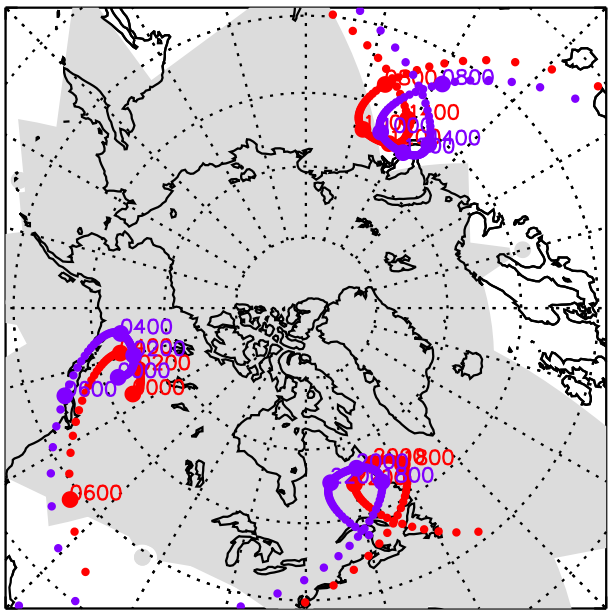
dce sps

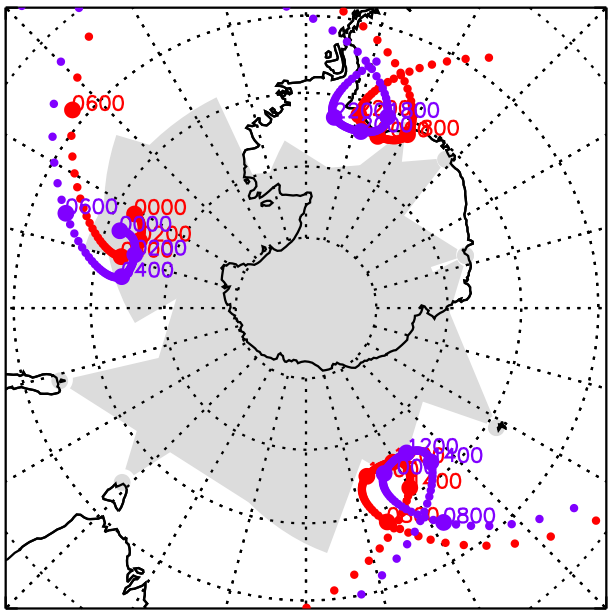


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

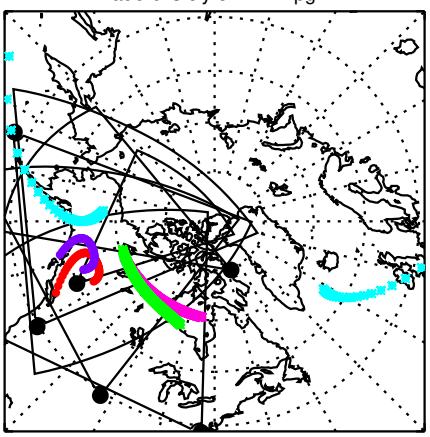
22−Oct−2013

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

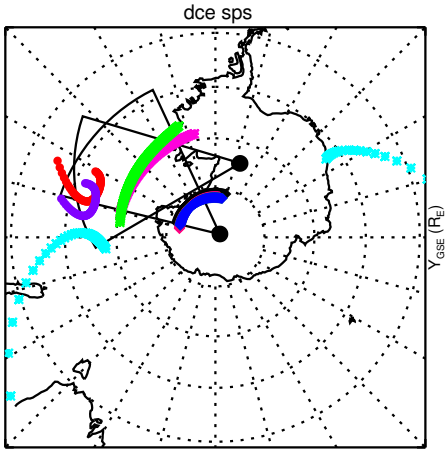


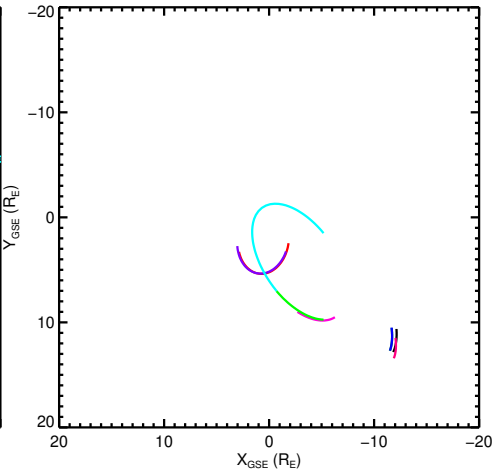


(a) 0000UT to 0535UT
ade bks cly cvw fhw pgr

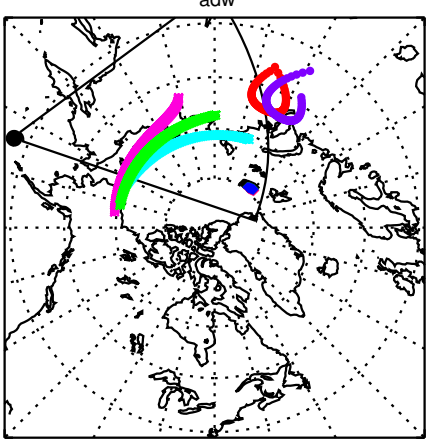


dce sps

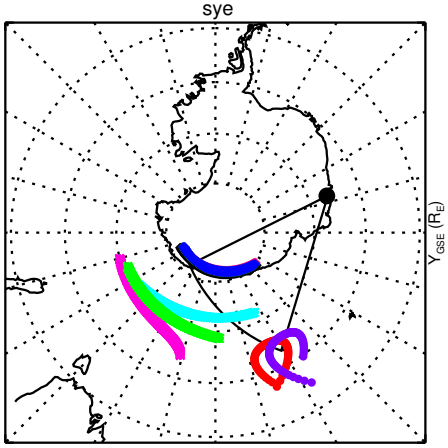


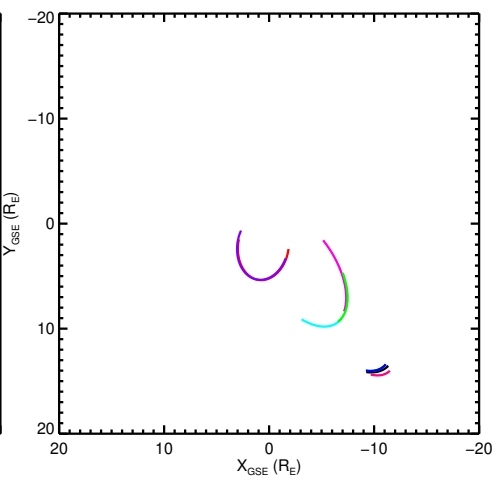


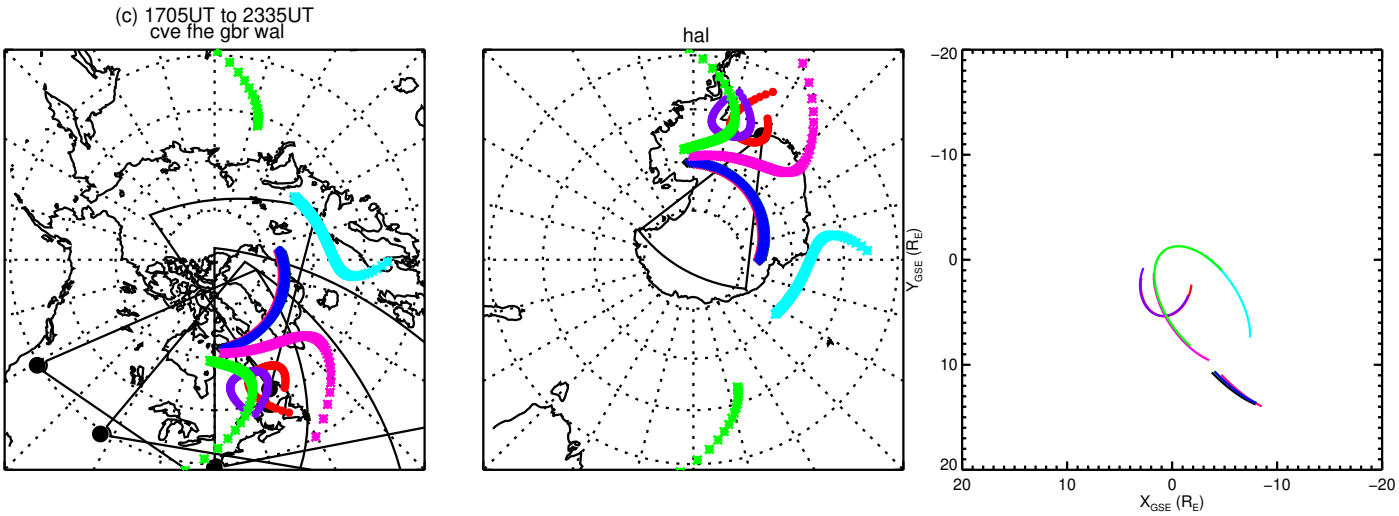
(b) 0800UT to 1435UT
adw



sye



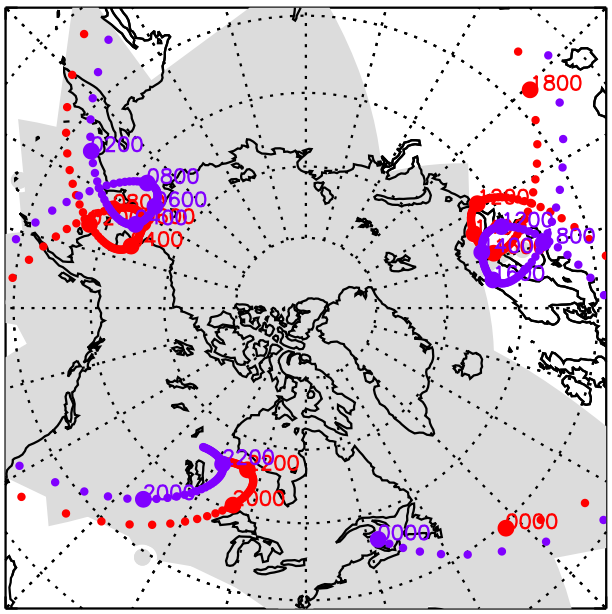


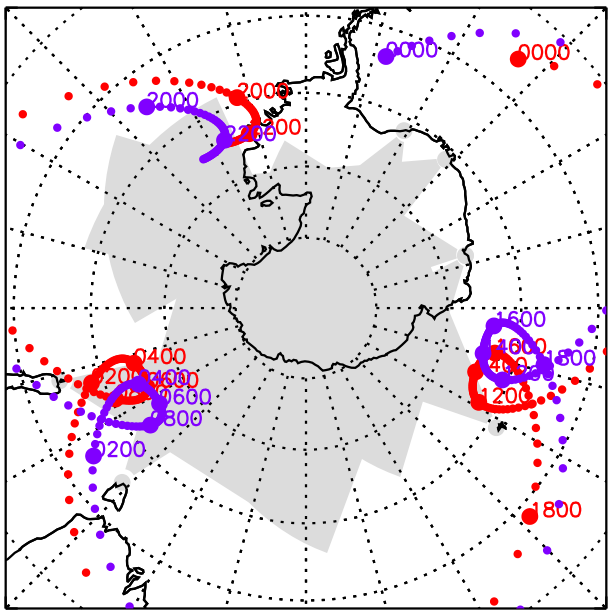

(c) 1705UT to 2335UT
cve fhe gbr wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

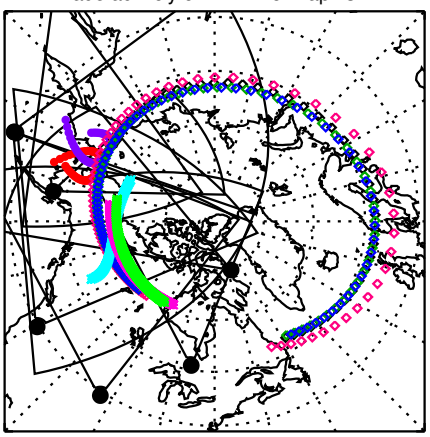
23–Oct–2013

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

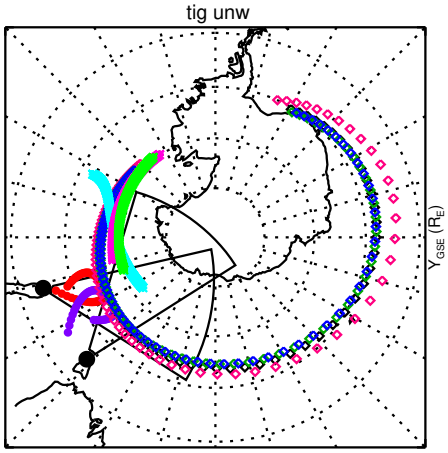


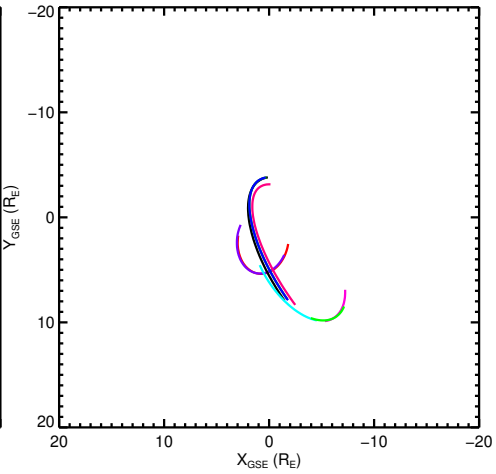


(a) 0205UT to 0830UT
ade adw cly cvw fhw hok kap ksr

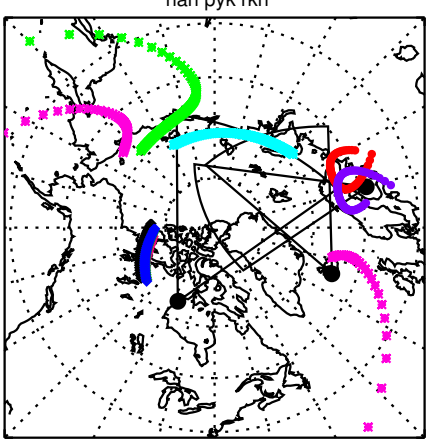


tig unw

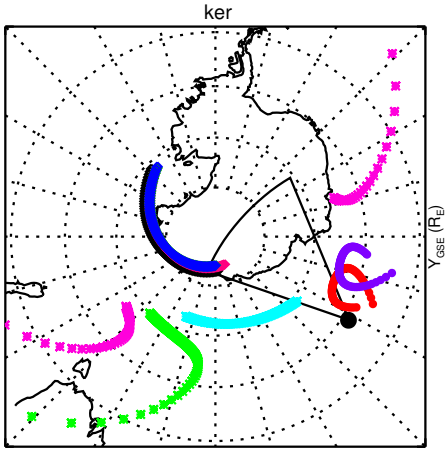


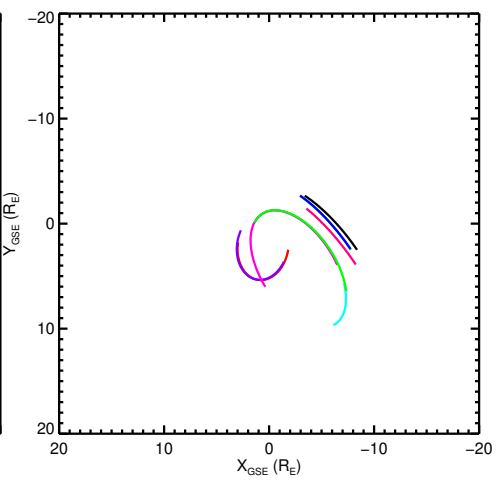


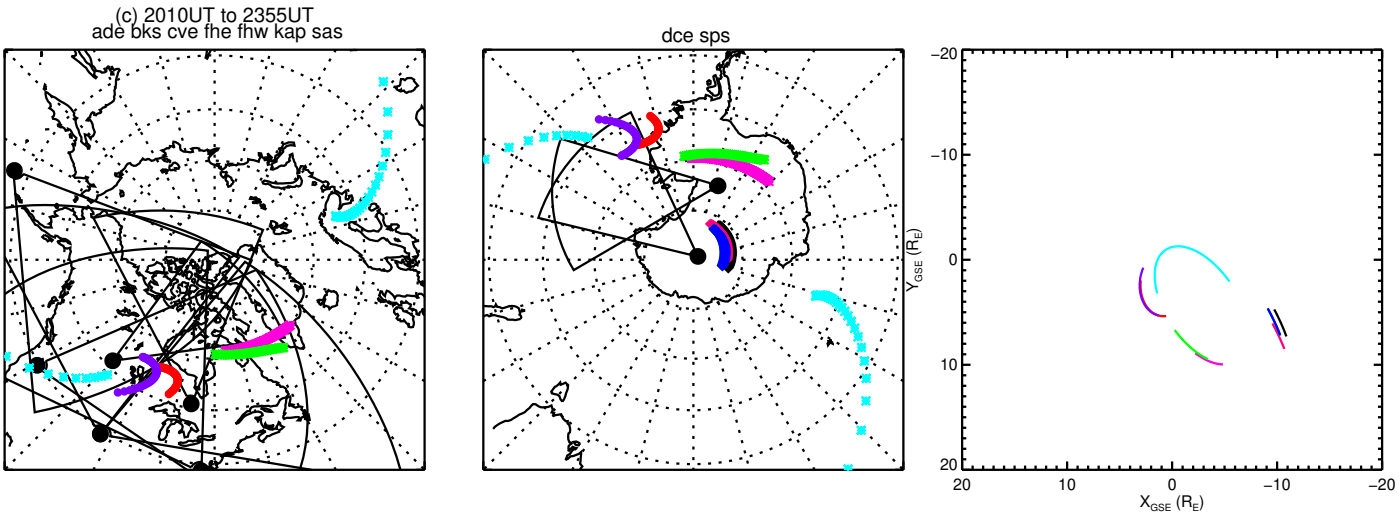
(b) 1105UT to 1730UT
han pyk rkn



ker



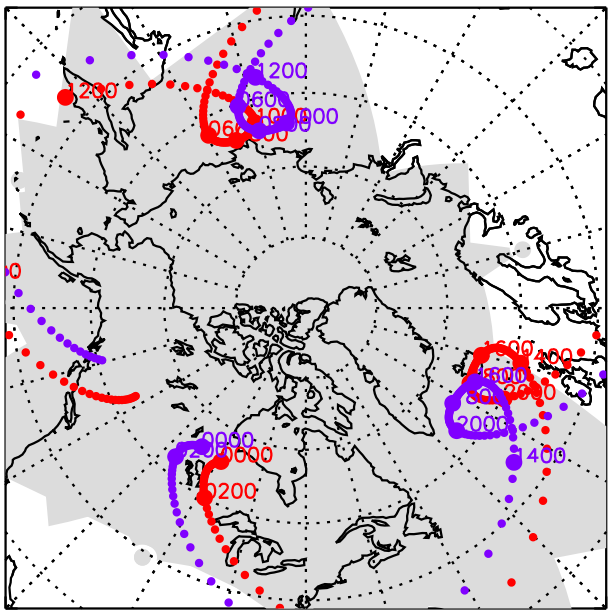


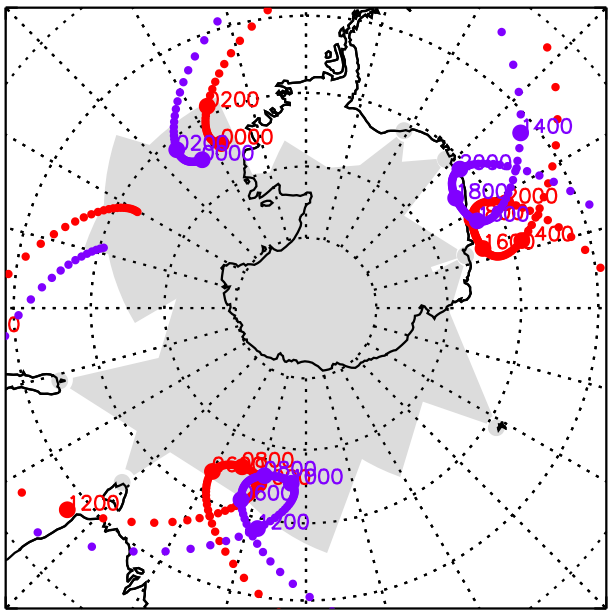

(c) 2010UT to 2355UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

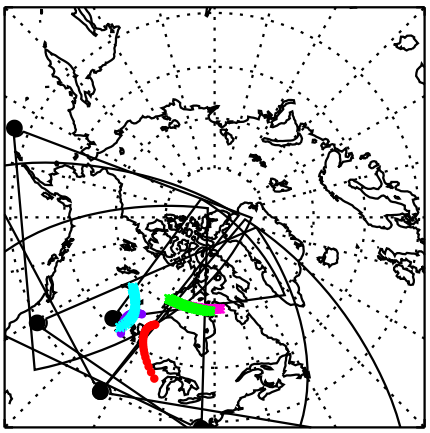
24−Oct−2013

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

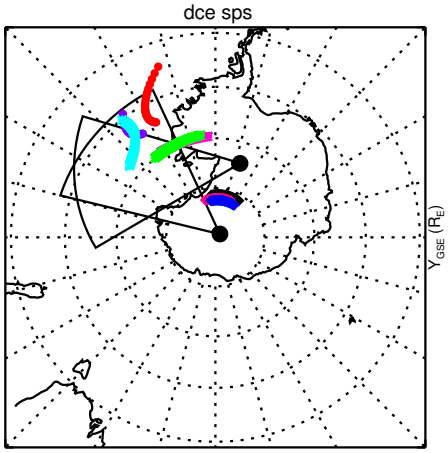


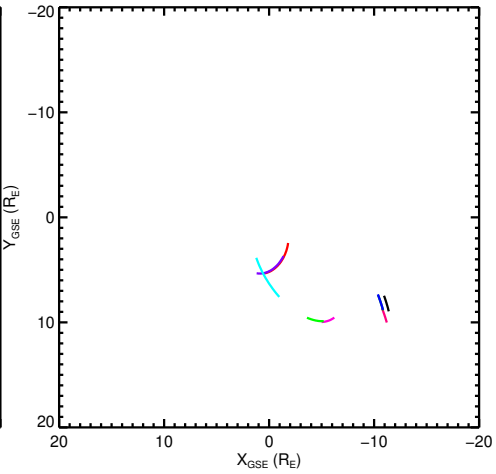


(a) 0000UT to 0230UT
ade bks cve fhe fhw sas

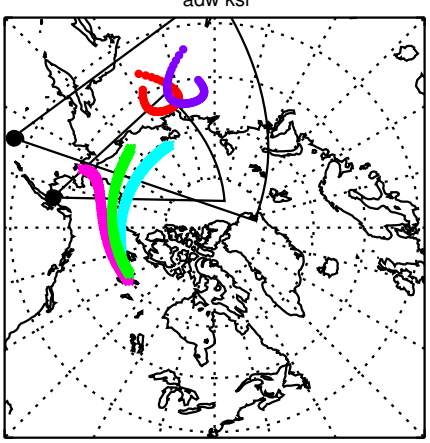


dce sps

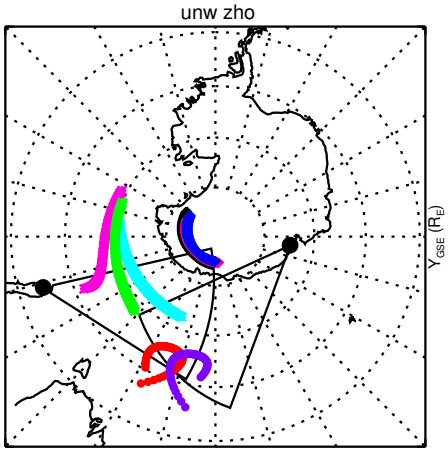


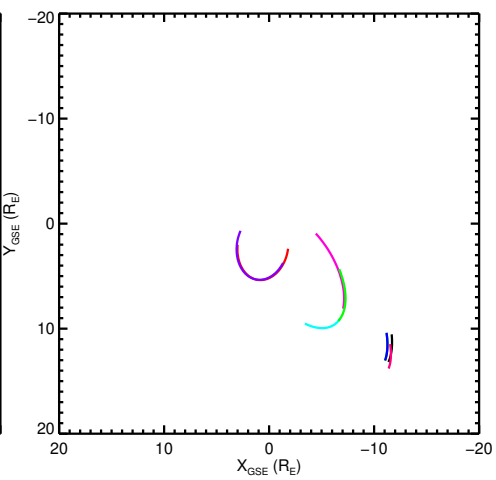


(b) 0510UT to 1130UT
adw ksr

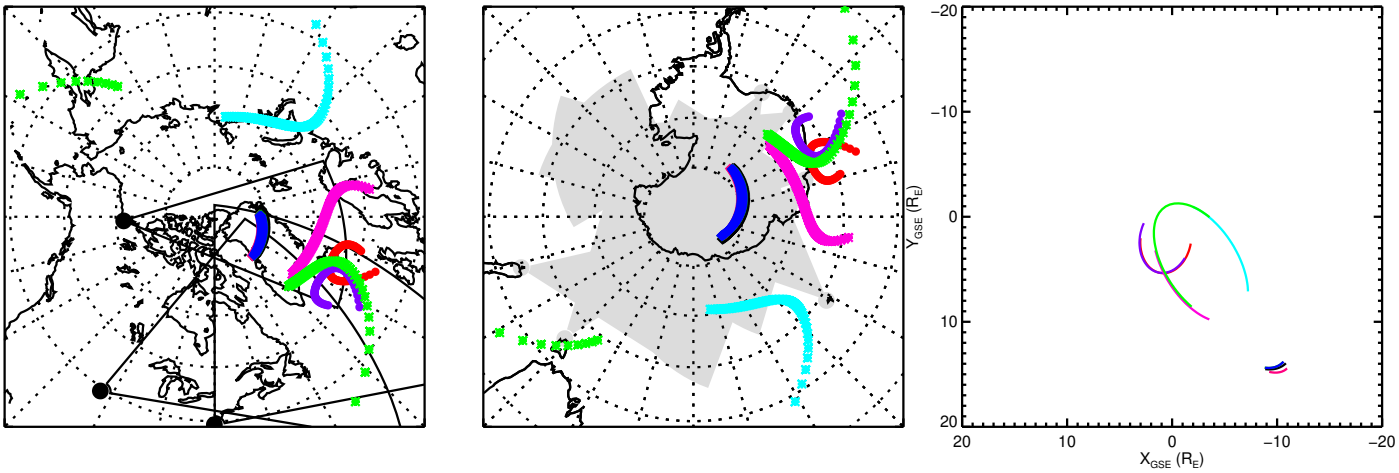


unw zho



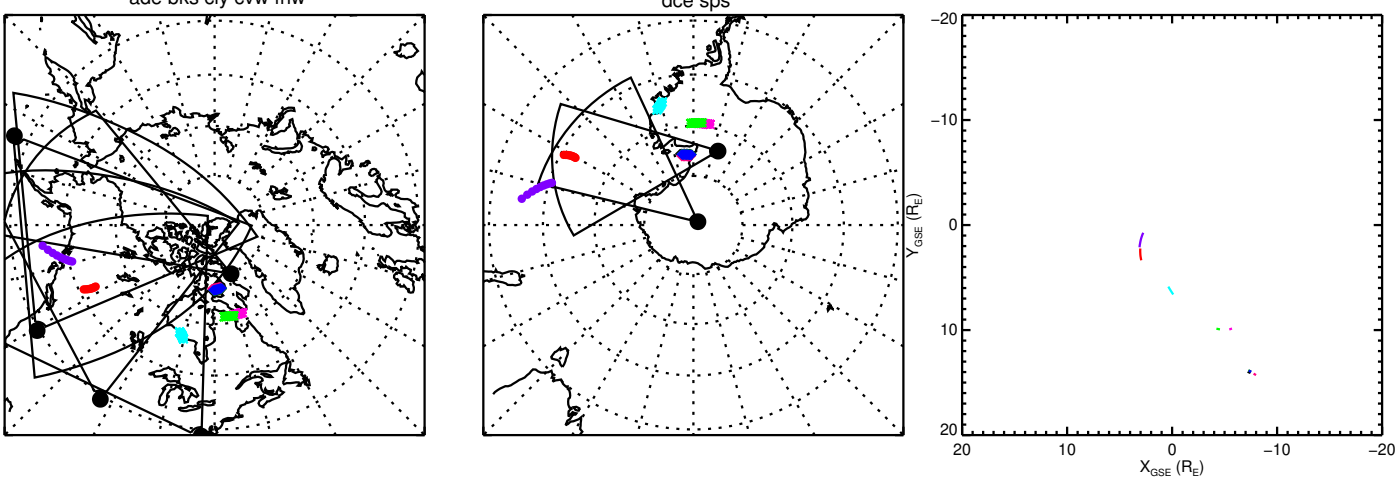


(c) 1410UT to 2025UT
fhe inv wal



(d) 2315UT to 2355UT
ade bks cly cvw fhw

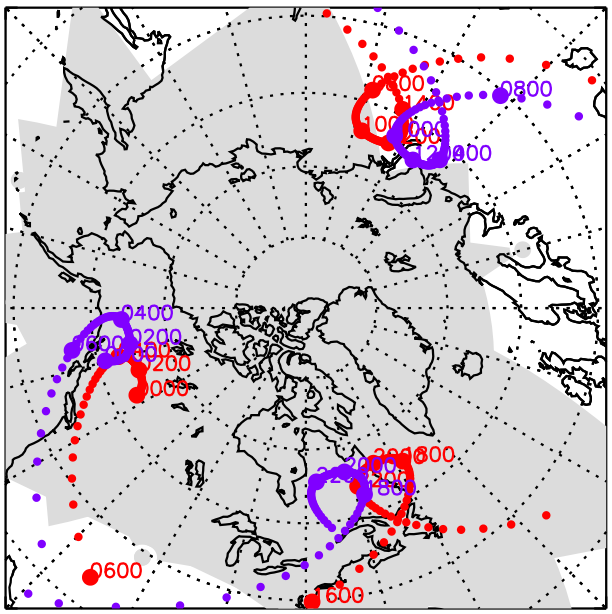
dce sps

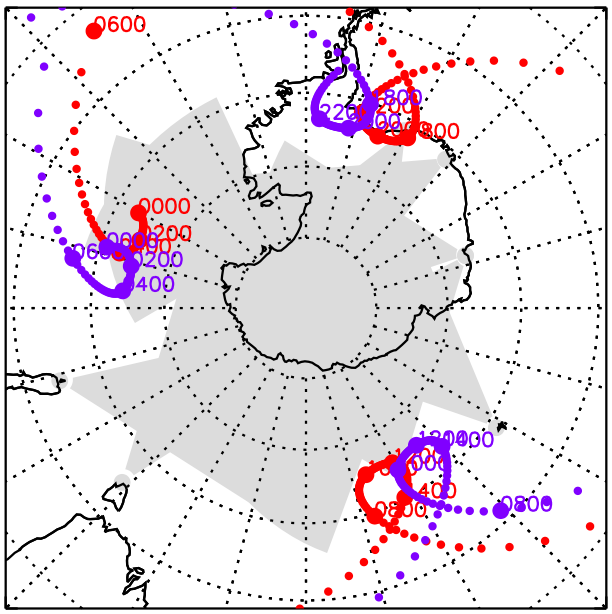


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

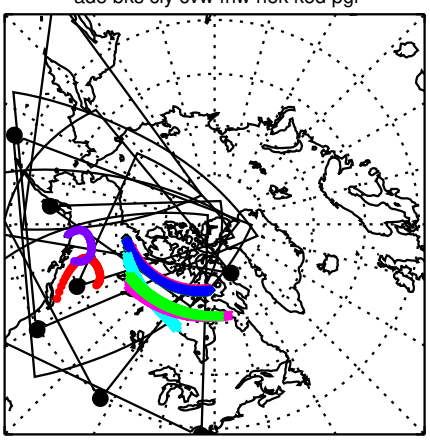
25–Oct–2013

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

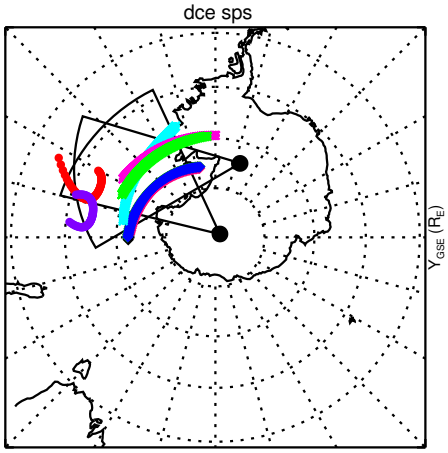


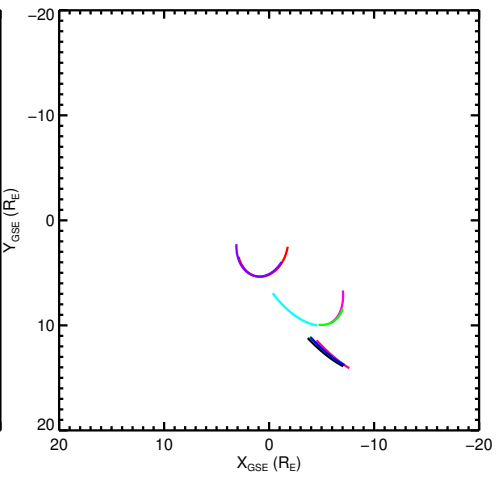


(a) 0000UT to 0525UT
ade bks cly cvw fhw hok kod pgr

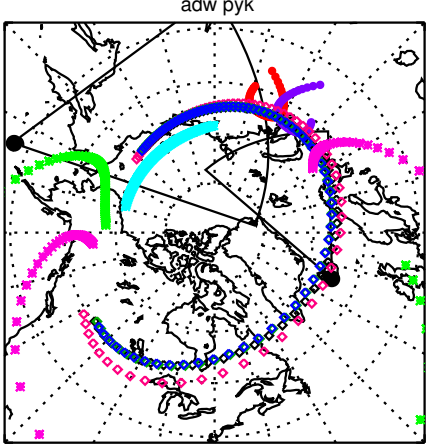


dce sps

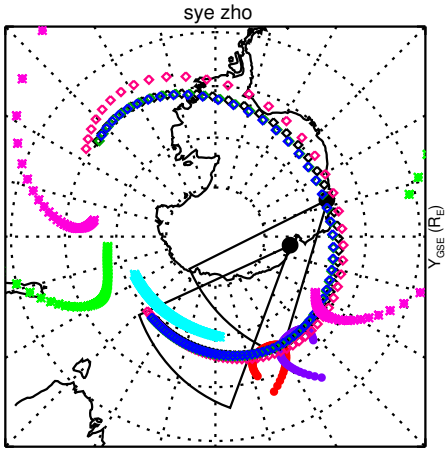


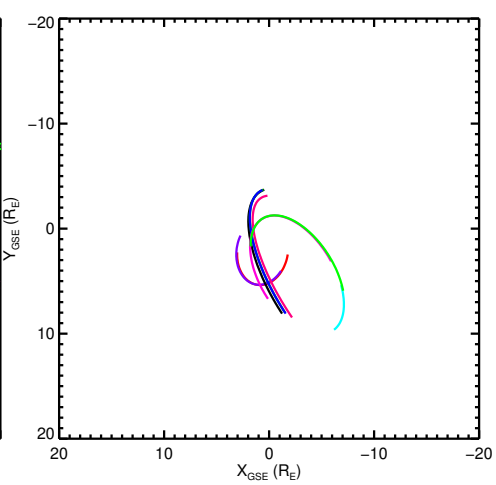


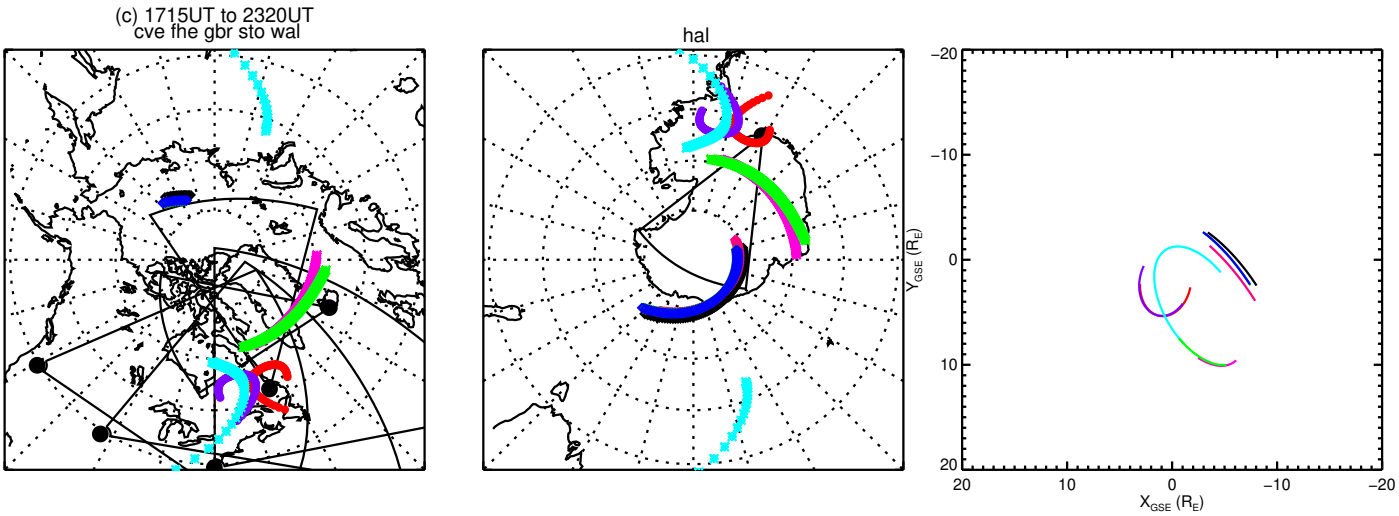
(b) 0815UT to 1425UT
adw pyk



sye zho



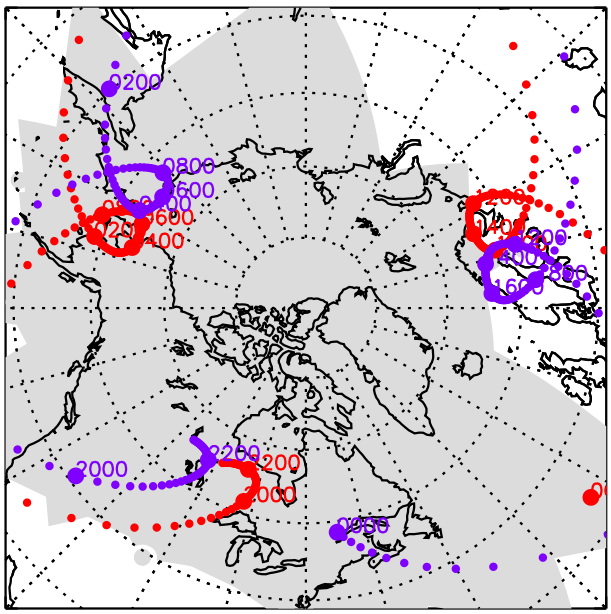


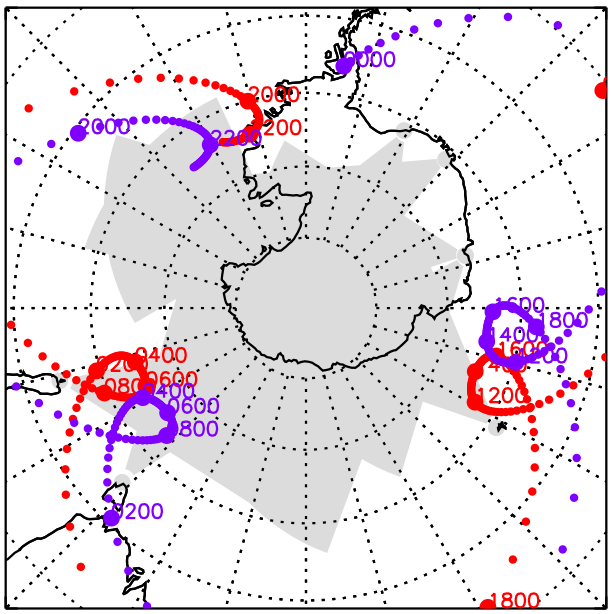

(c) 1715UT to 2320UT
cve fhe gbr sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

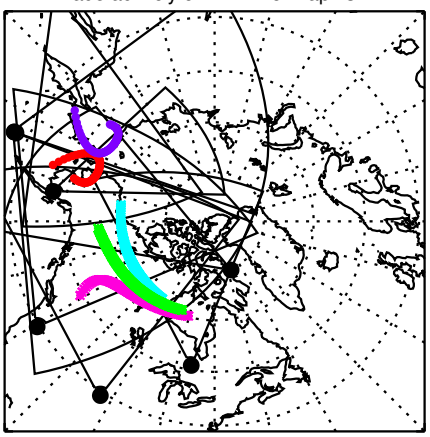
26–Oct–2013

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

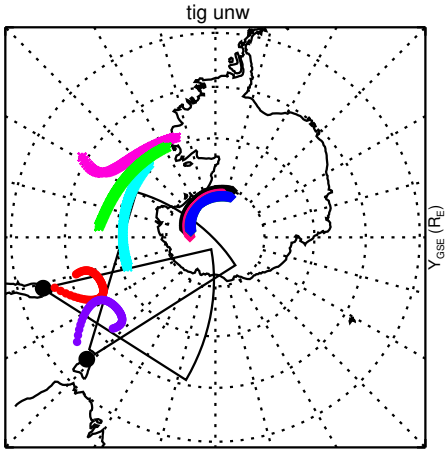


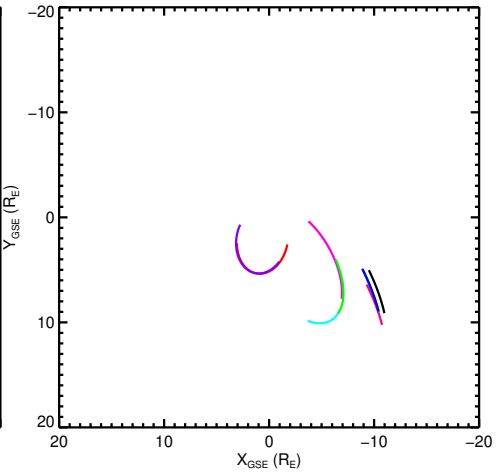


(a) 0220UT to 0820UT
ade adw cly cvw fhw hok kap ksr

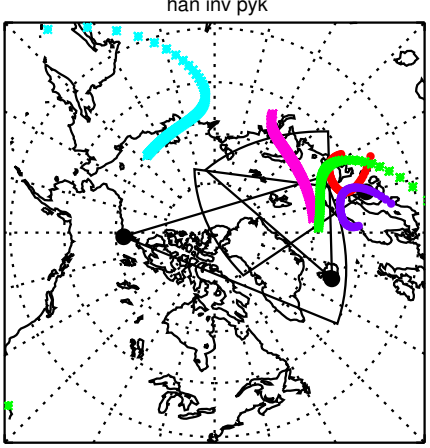


tig unw

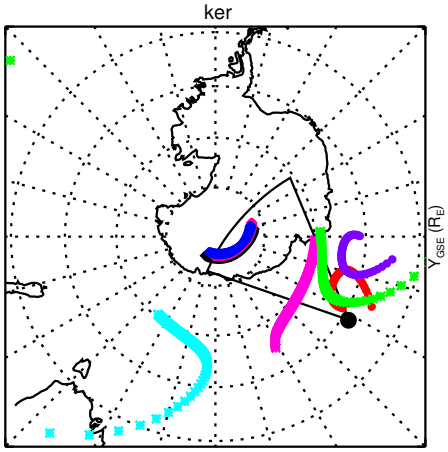


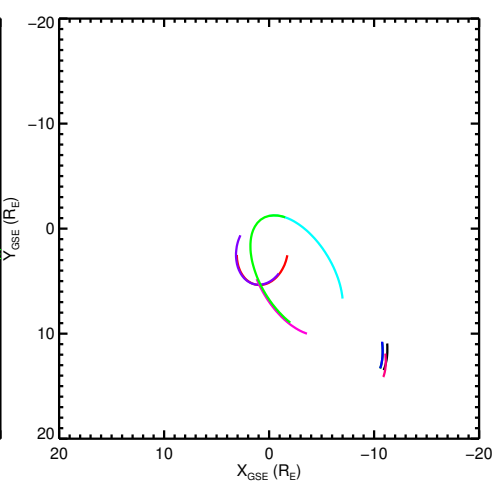


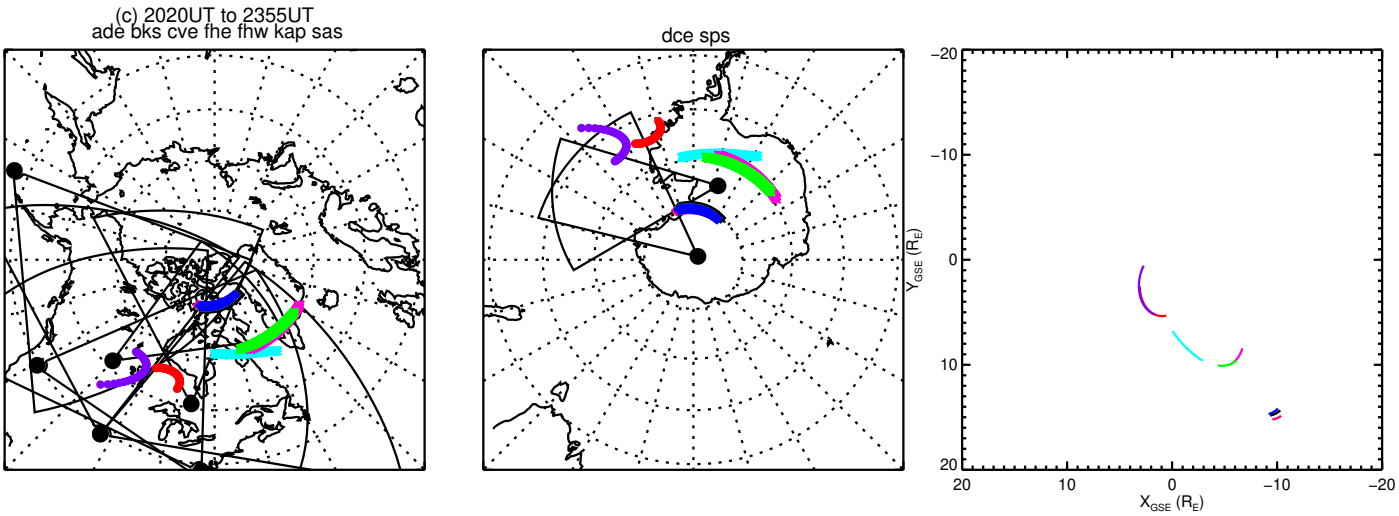
(b) 1120UT to 1720UT
han inv pyk



ker



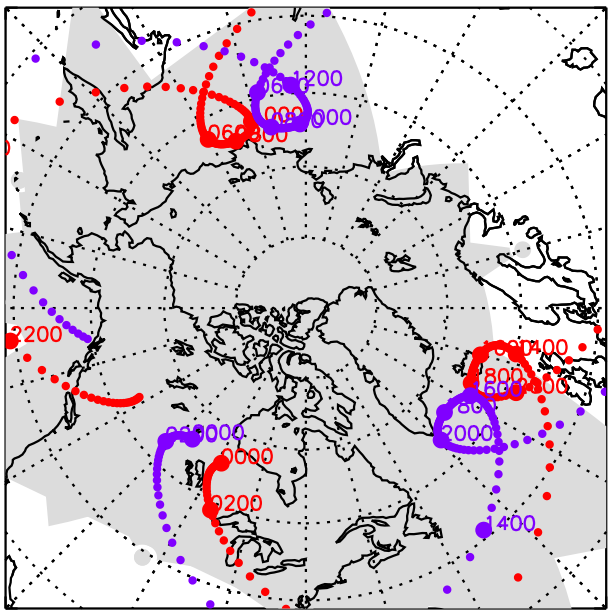


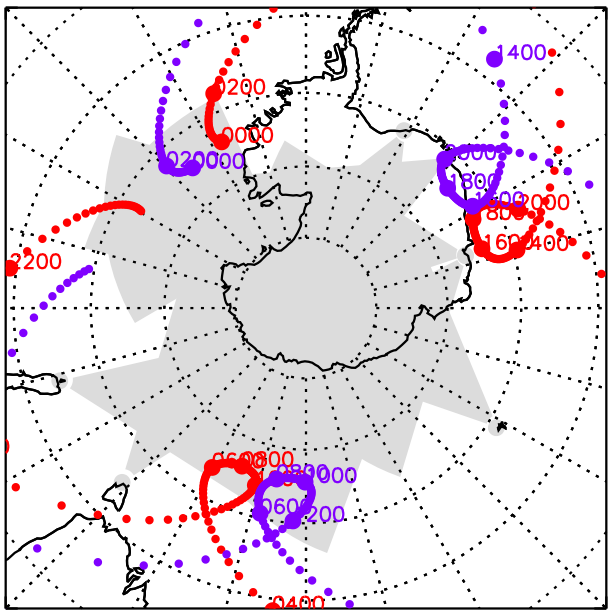

(c) 2020UT to 2355UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

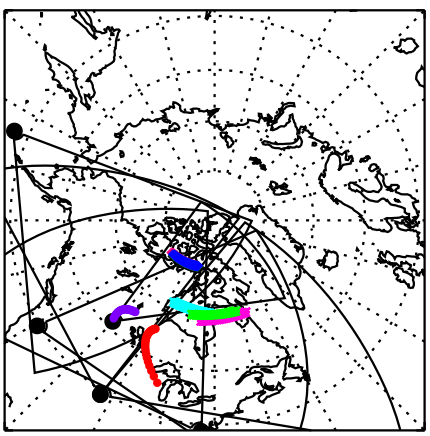
27−Oct−2013

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

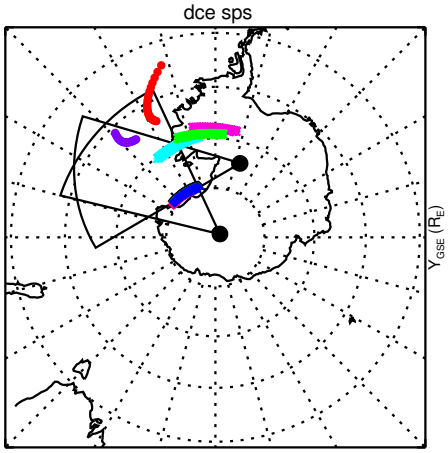


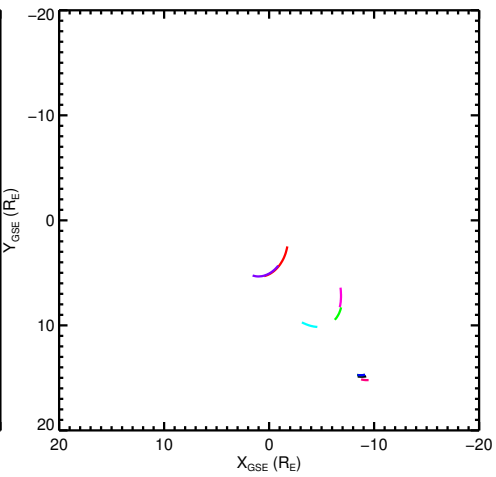


(a) 0000UT to 0220UT
ade bks cve fhe fhw sas

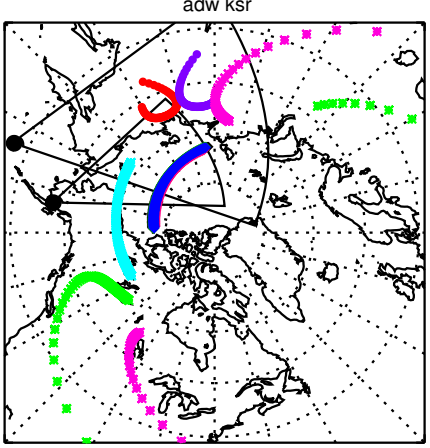


dce sps

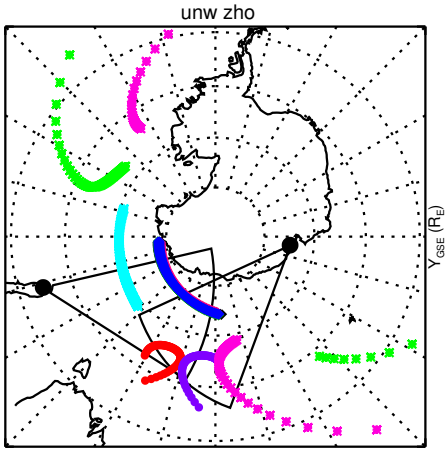


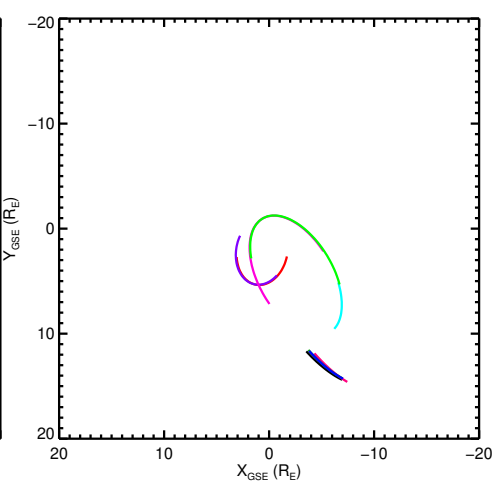


(b) 0525UT to 1115UT
adw ksr

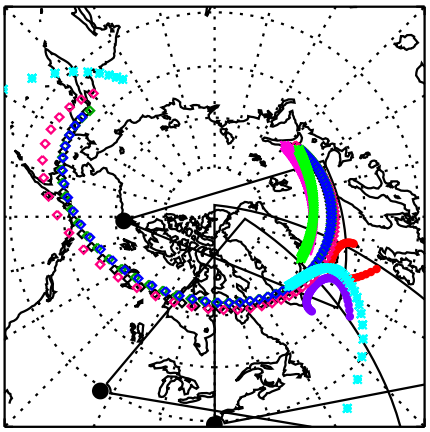


unw zho

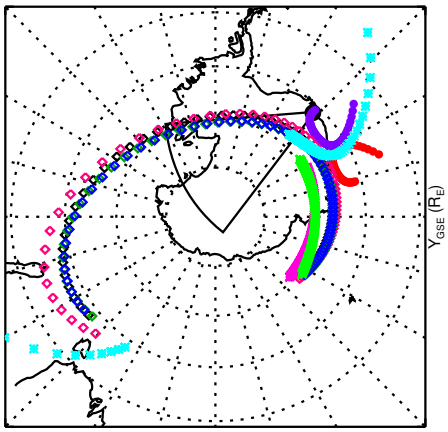


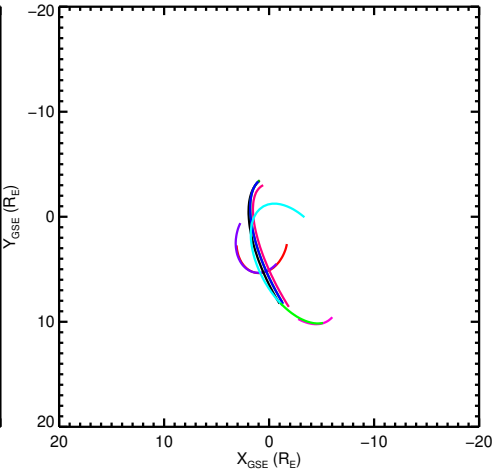


(c) 1425UT to 2015UT
fhe inv wal

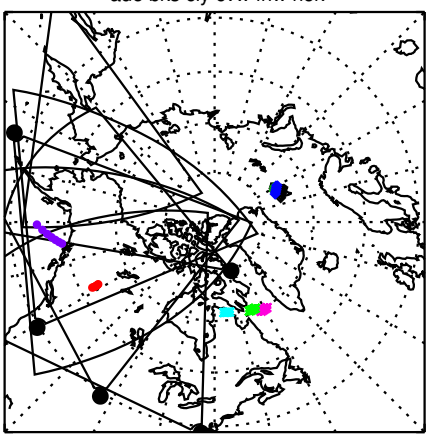


san

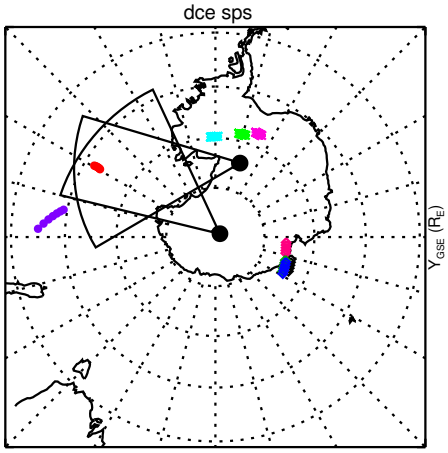


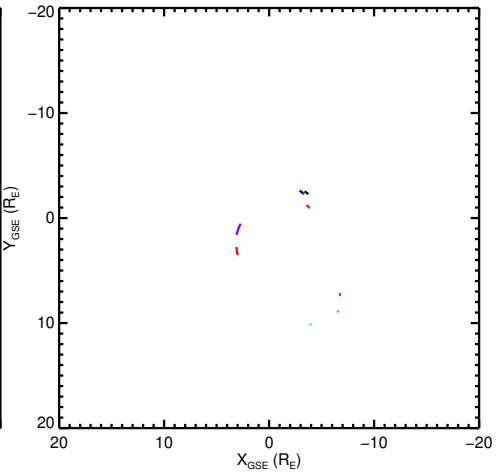


(d) 2325UT to 2355UT
ade bks cly cvw fhw hok



dce sps

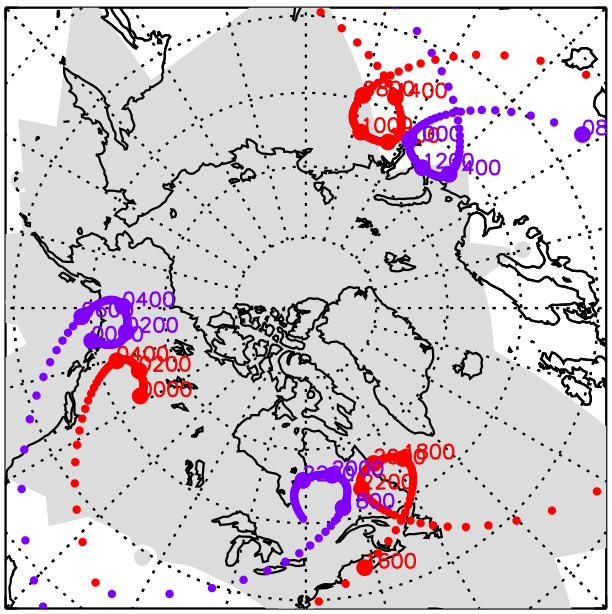


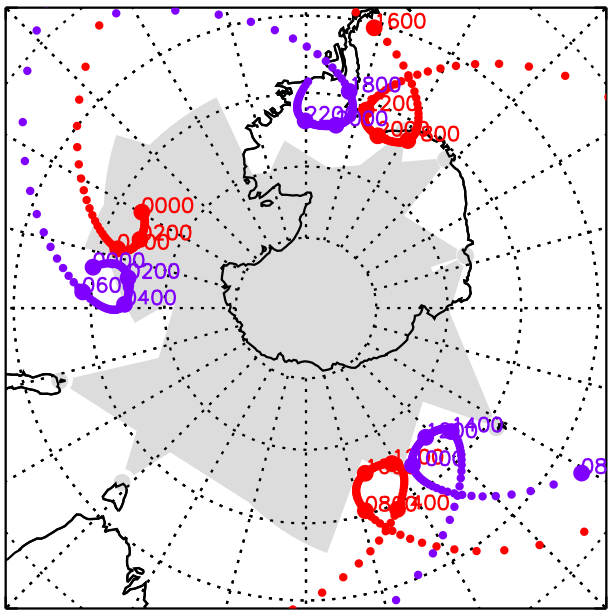


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

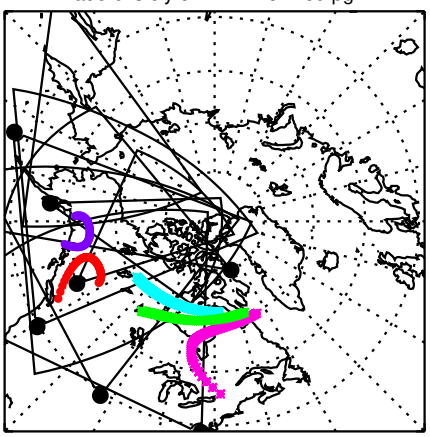
28–Oct–2013

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

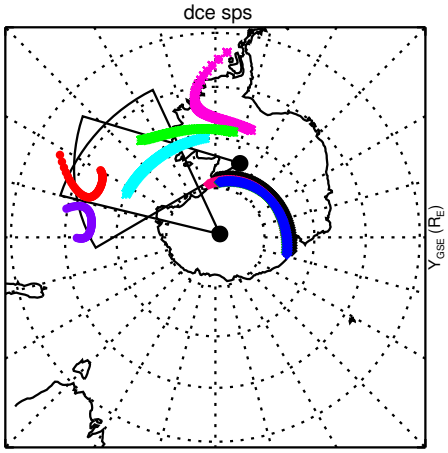


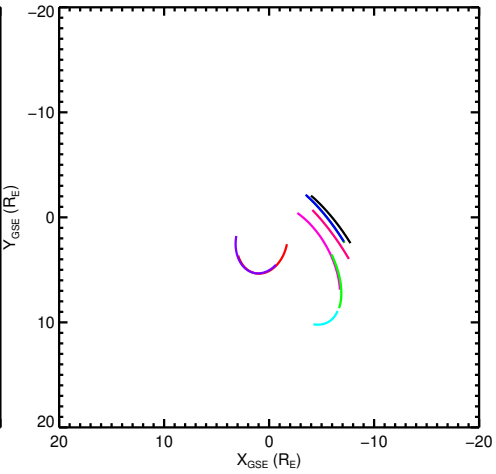


(a) 0000UT to 0515UT
ade bks cly cvw fhw hok kod pgr

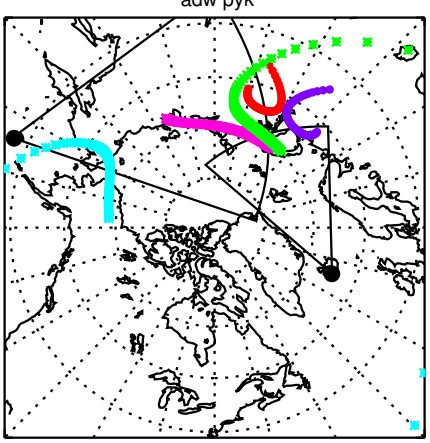


dce sps

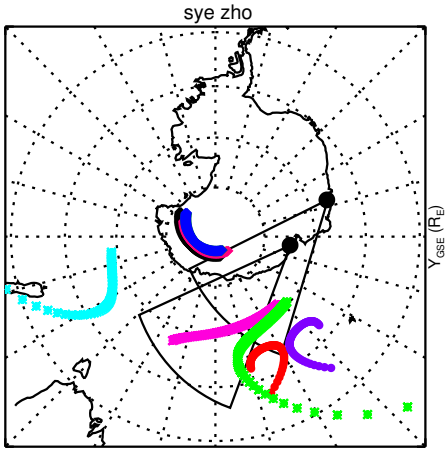


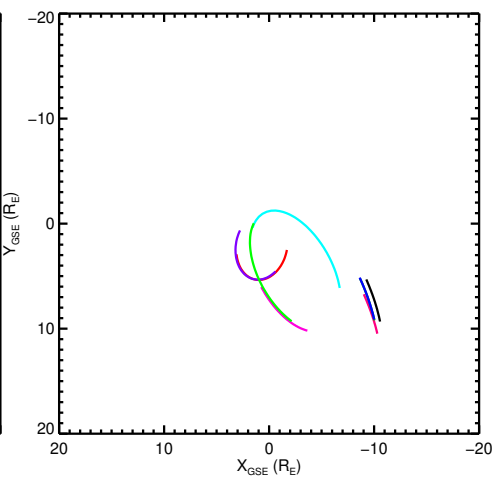


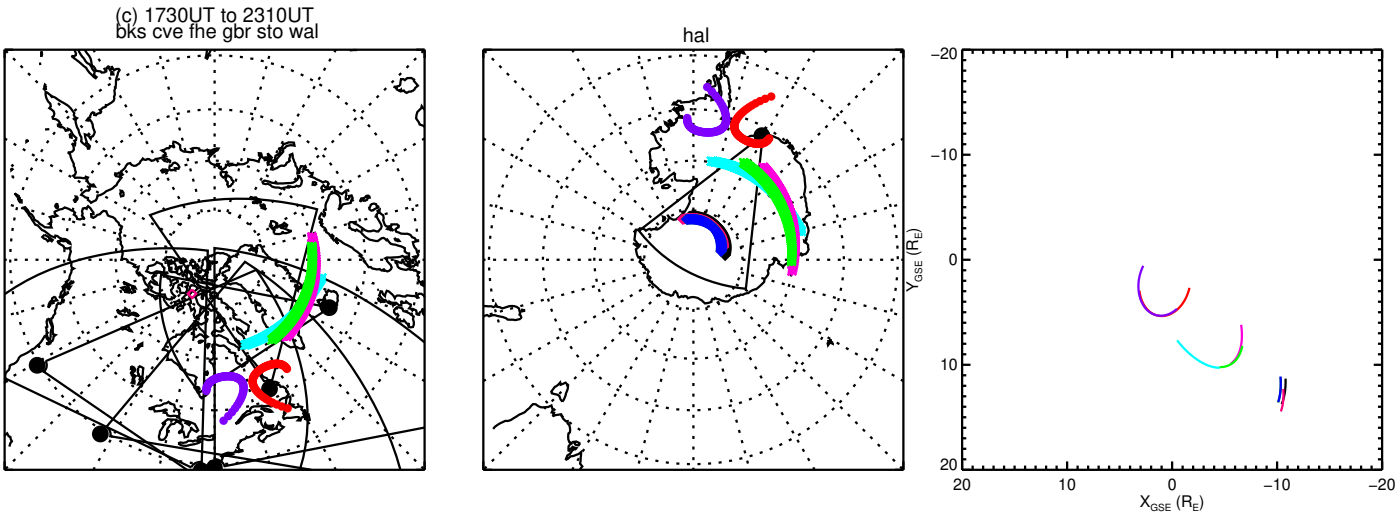
(b) 0830UT to 1415UT
adw pyk



sye zho



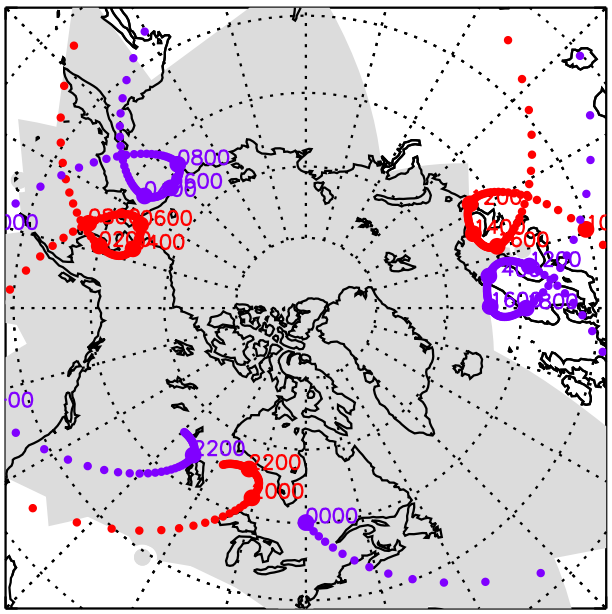


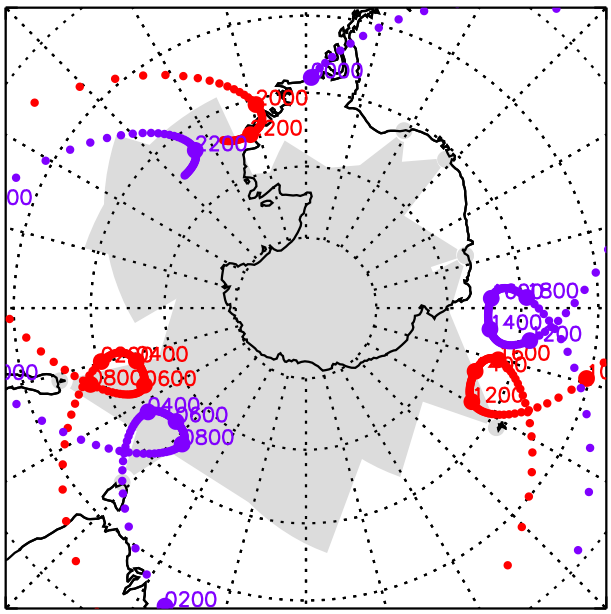

(c) 1730UT to 2310UT
bks cve fhe gbr sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

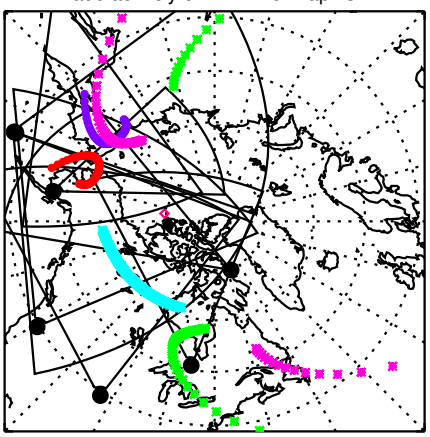
29–Oct–2013

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

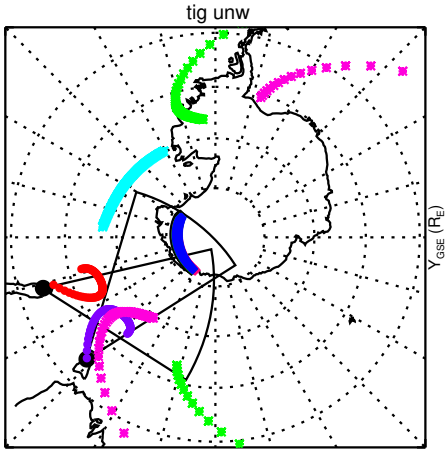


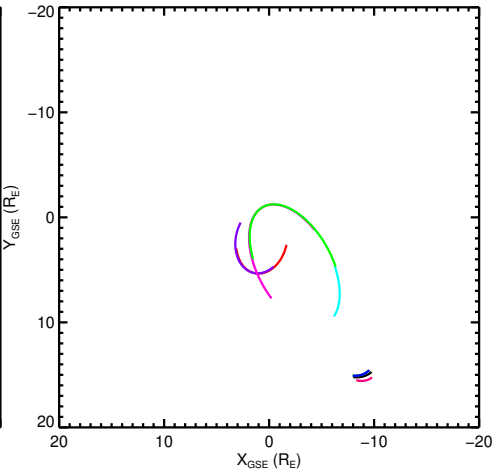


(a) 0230UT to 0810UT
ade adw cly cvw fhw hok kap ksr

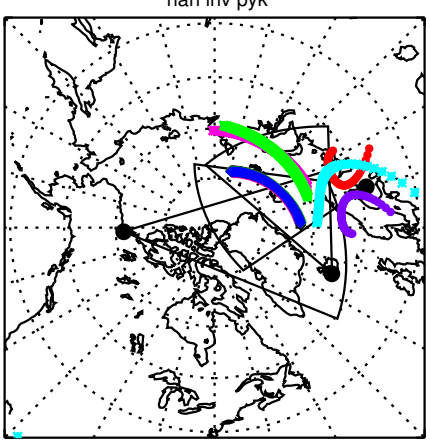


tig unw

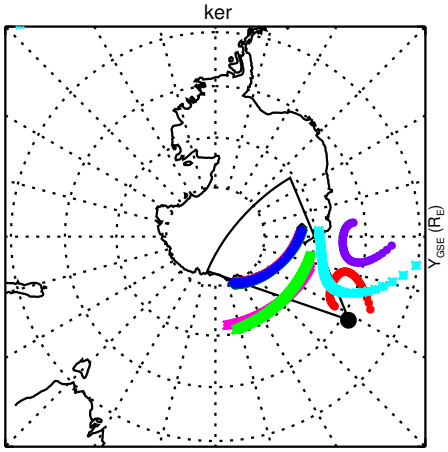


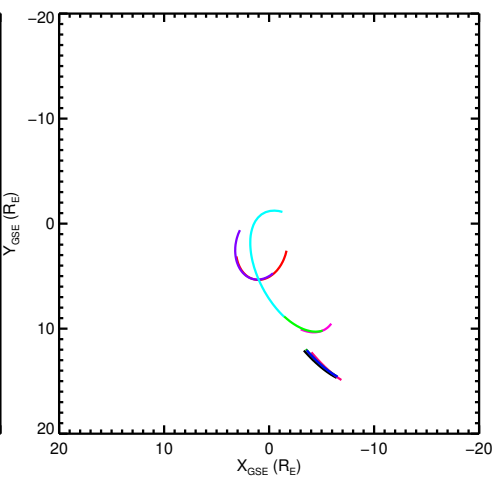


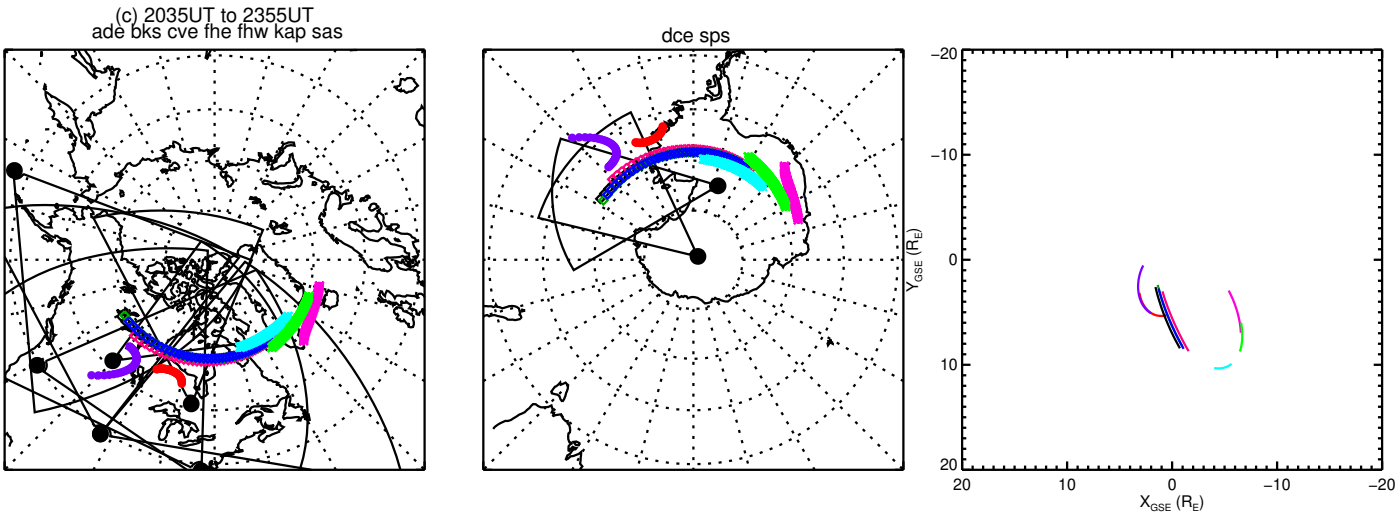
(b) 1135UT to 1710UT
han inv pyk



ker



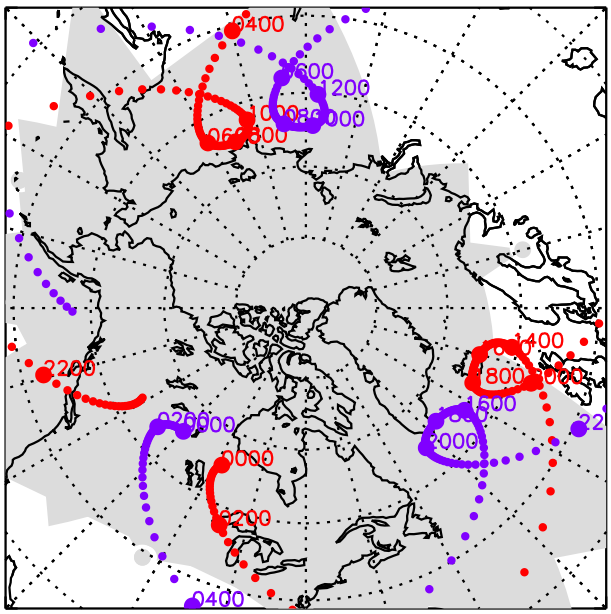


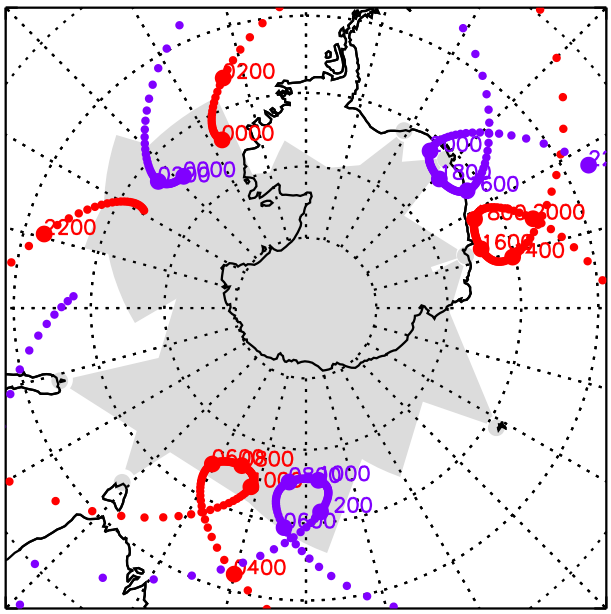

(c) 2035UT to 2355UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

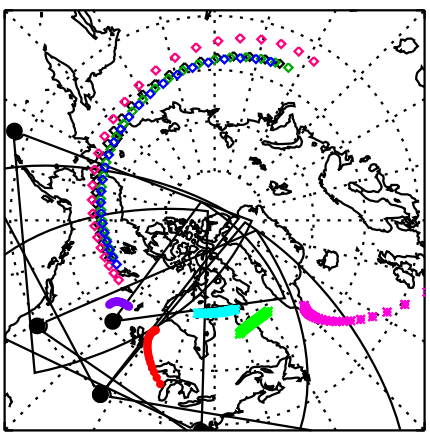
30–Oct–2013

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

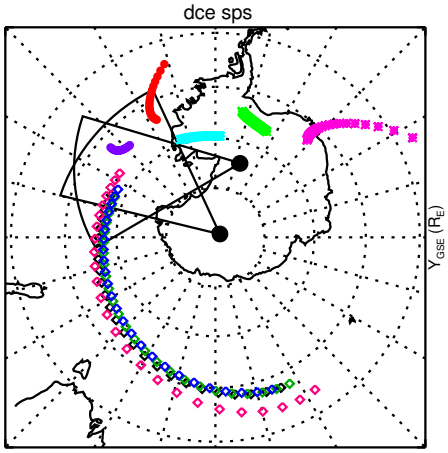


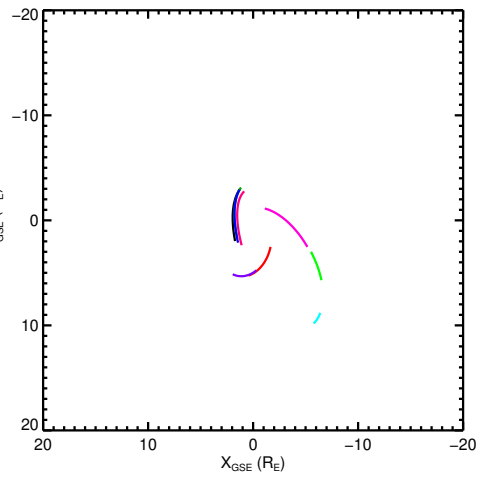


(a) 0000UT to 0210UT
ade bks cve fhe fhw sas

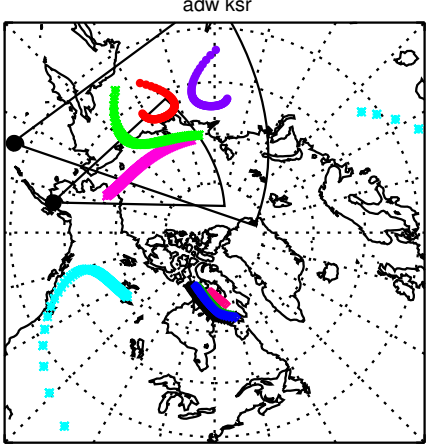


dce sps

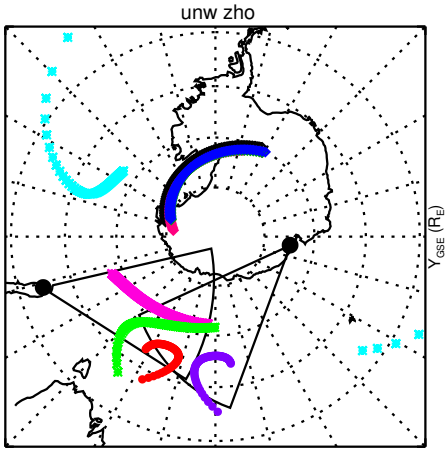


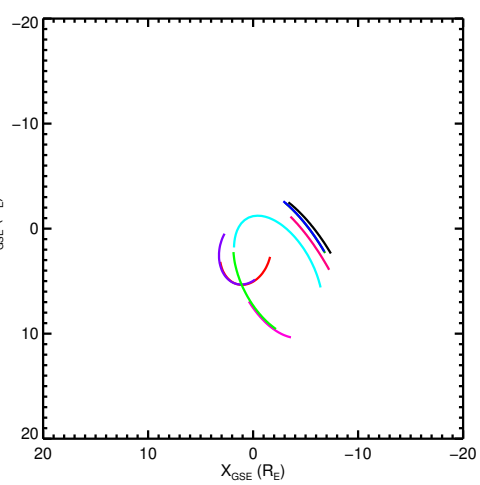


(b) 0535UT to 1105UT
adw ksr

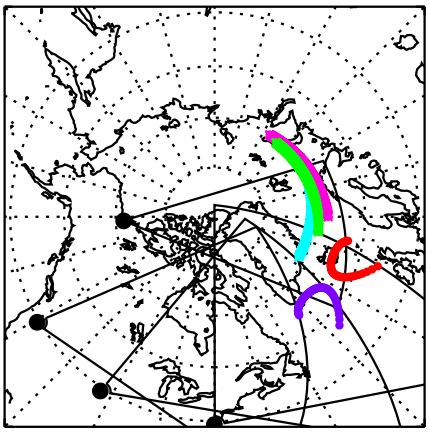


unw zho

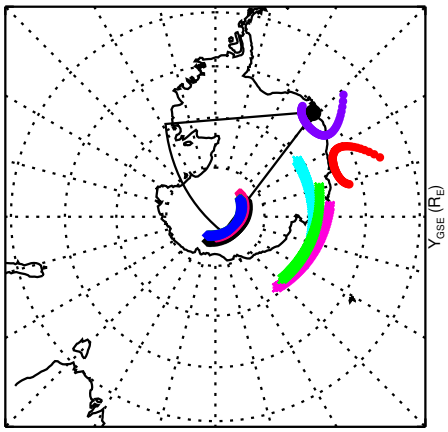


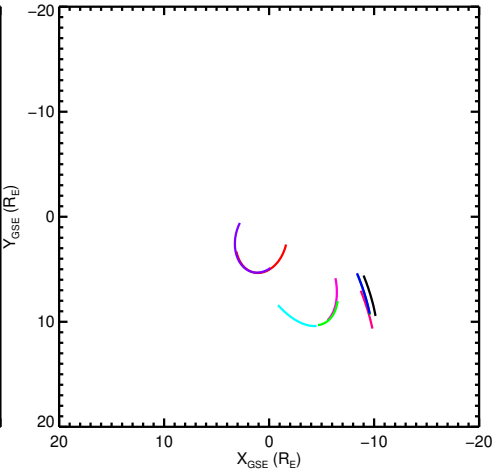


(c) 1440UT to 2005UT
cve fhe inv wal

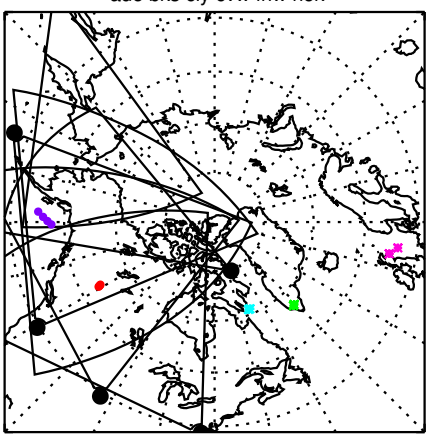


san

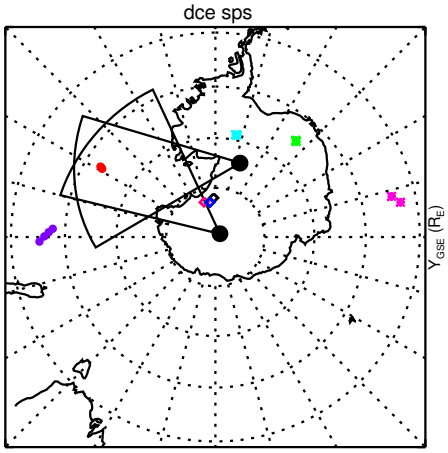


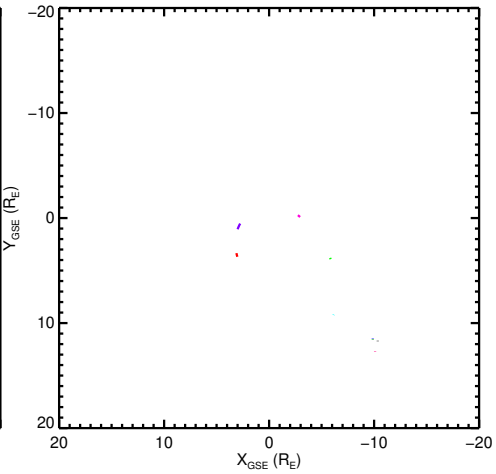


(d) 2340UT to 2355UT
ade bks cly cvw fhw hok



dce sps

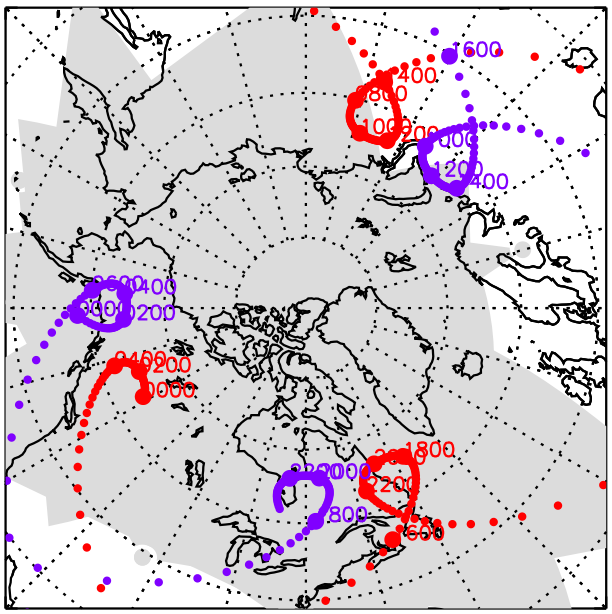


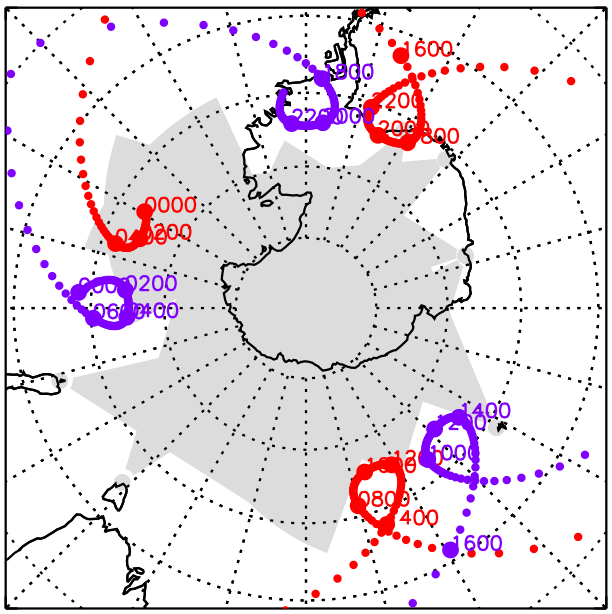


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

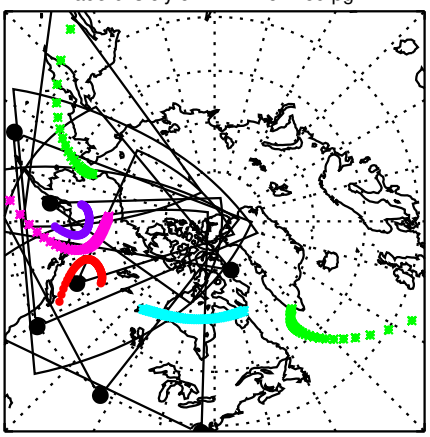
31−Oct−2013

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

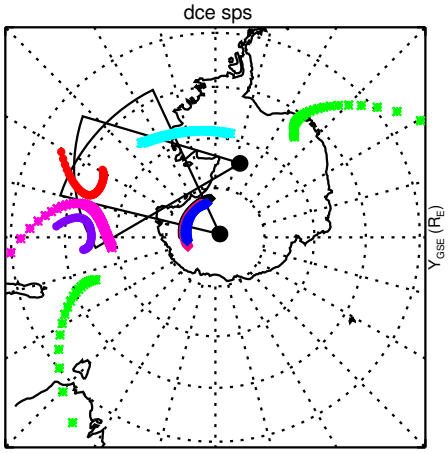


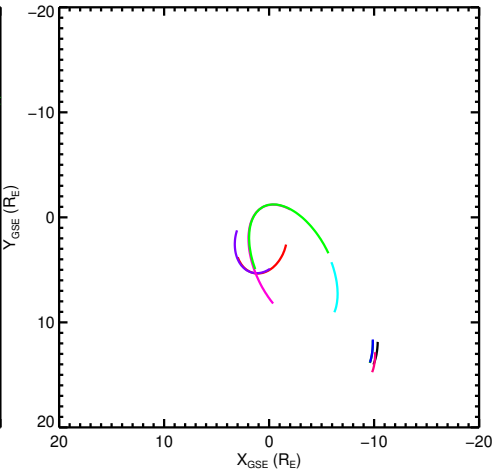


(a) 0000UT to 0505UT
ade bks cly cvw fhw hok kod pgr

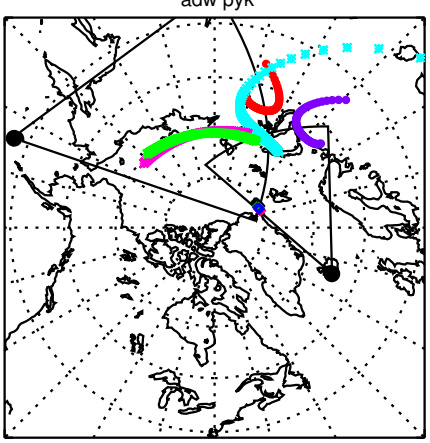


dce sps

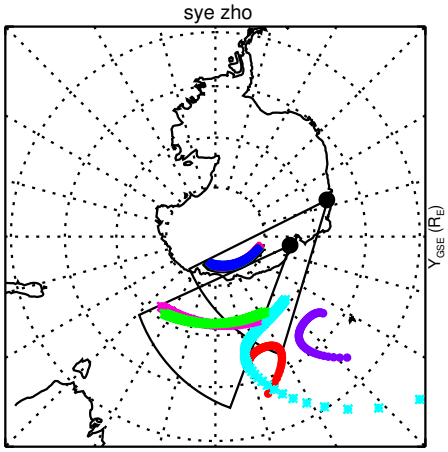


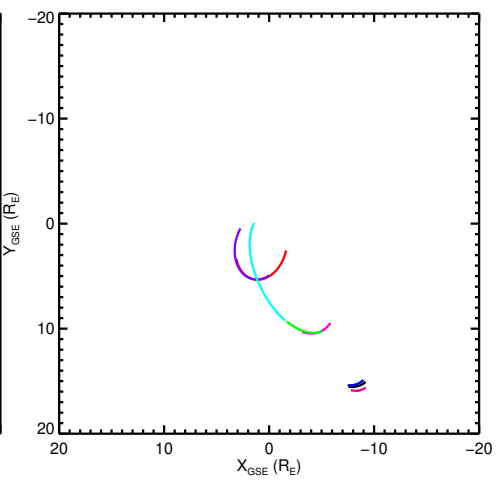


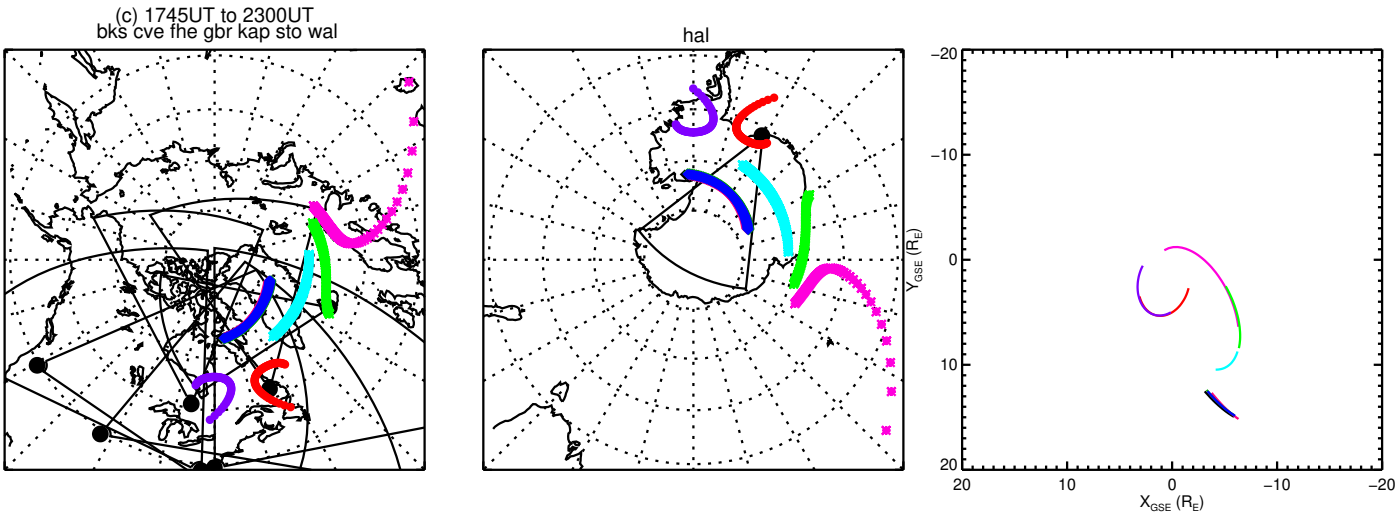
(b) 0840UT to 1405UT
adw pyk



sye zho






(c) 1745UT to 2300UT
bks cve fhe gbr kap sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)