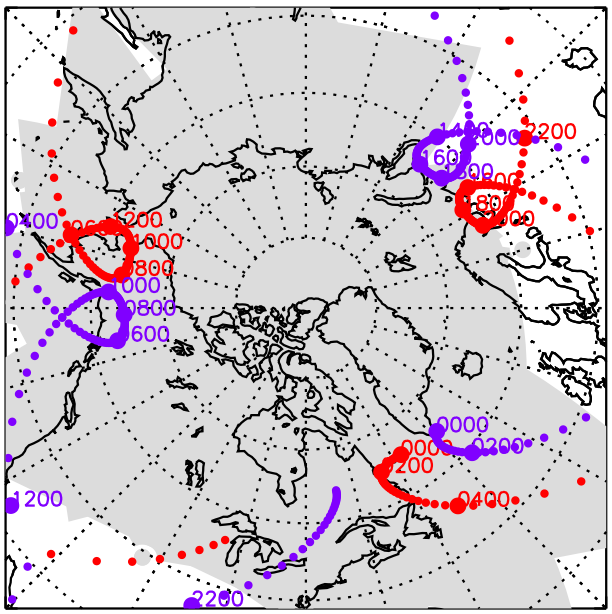
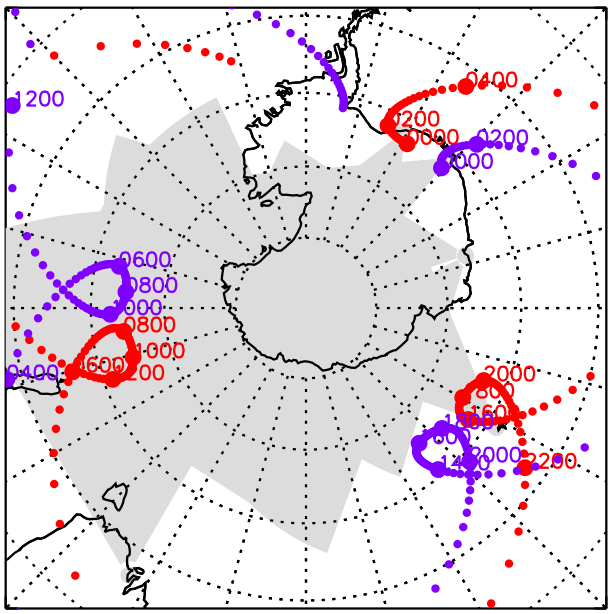
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

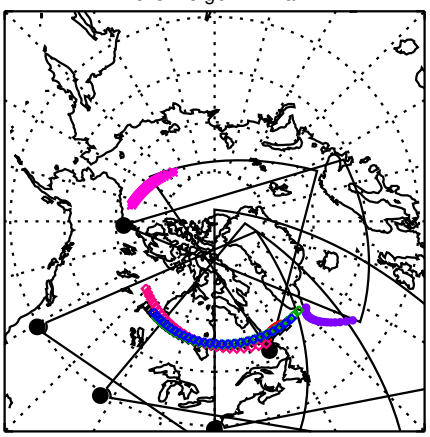
01−Apr−2015

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

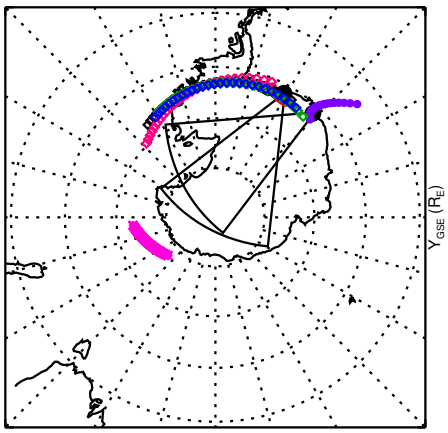


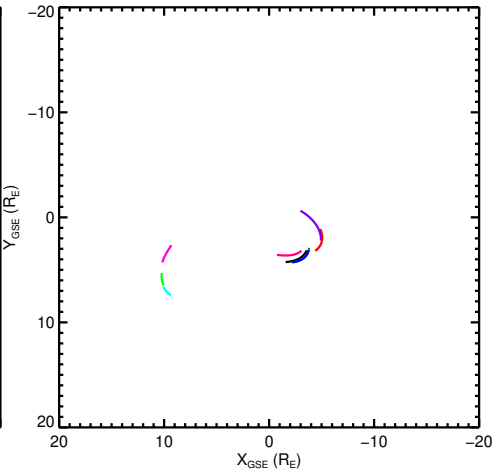


(a) 0000UT to 0220UT
cve fhe gbr inv wal

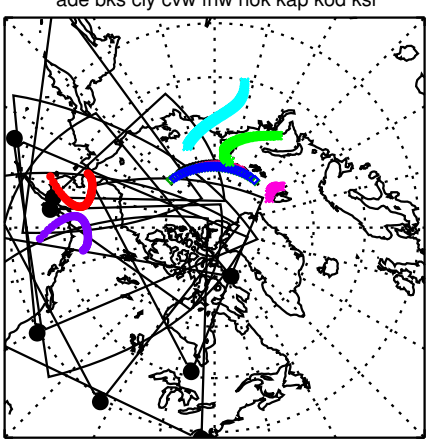


hal san

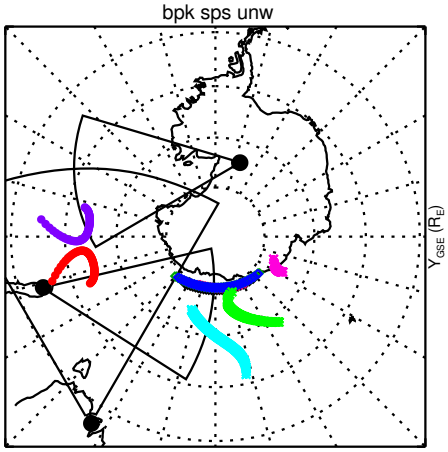


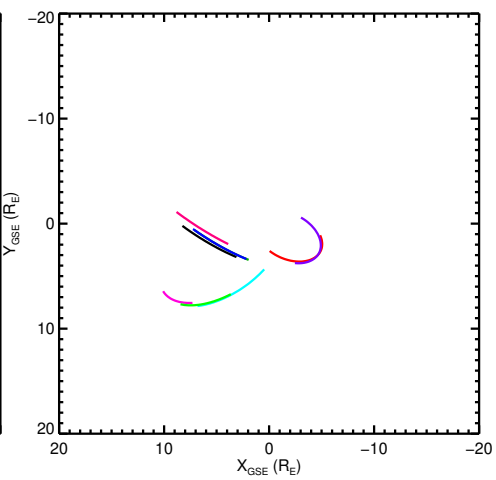


(b) 0600UT to 1120UT
ade bks cly cvw fhw hok kap kod ksr



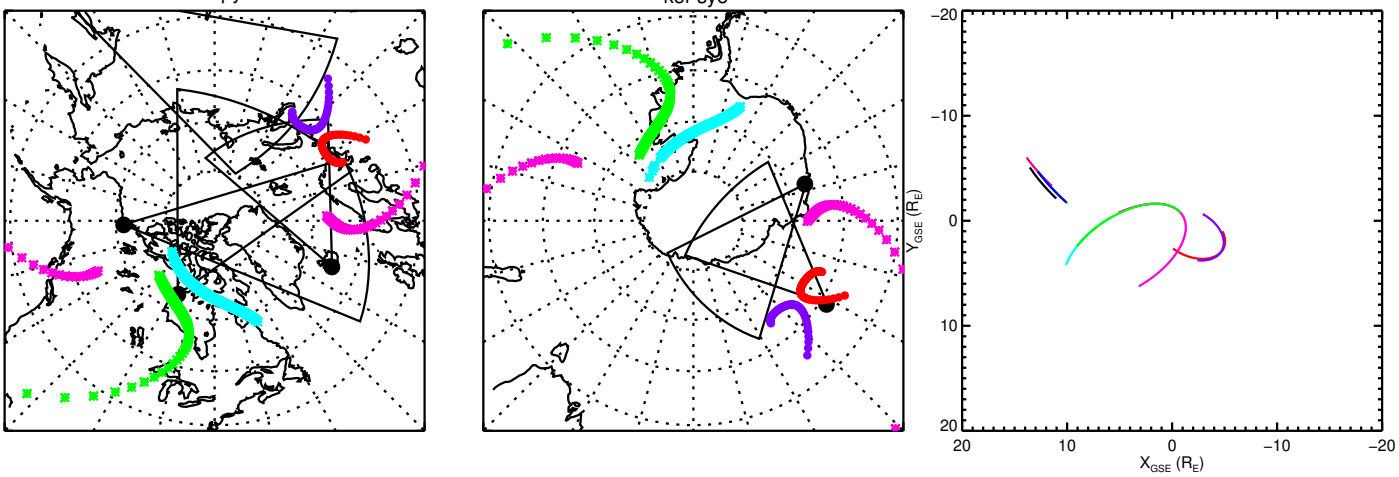
bpk sps unw



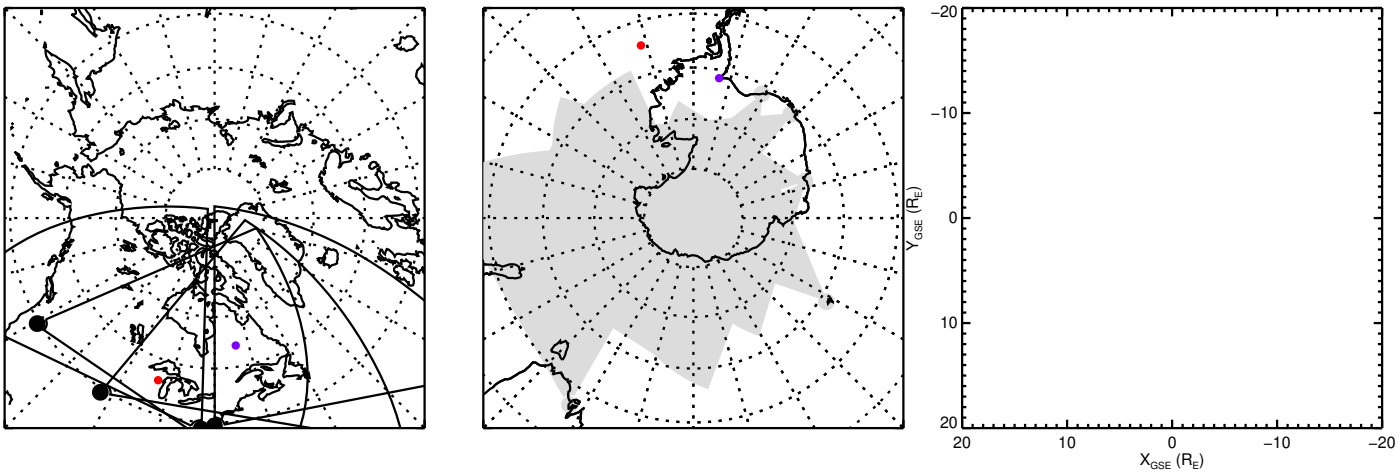


(c) 1500UT to 2025UT
hkw inv pyk rkn

ker sye



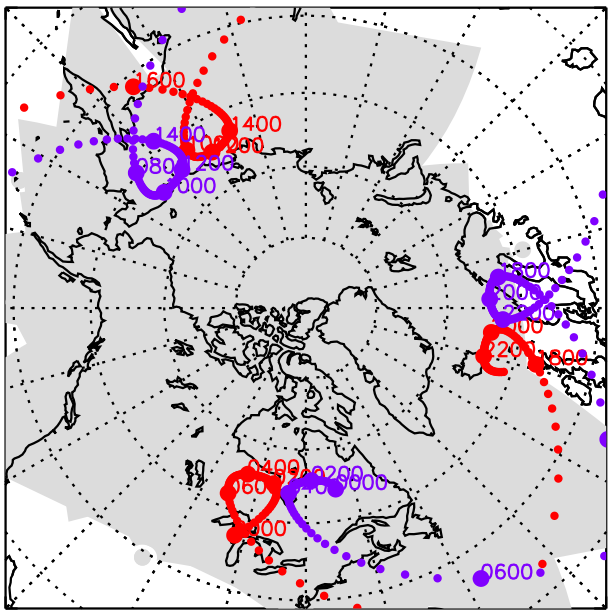
(d) 2355UT to 2355UT
bks cve fhe wal

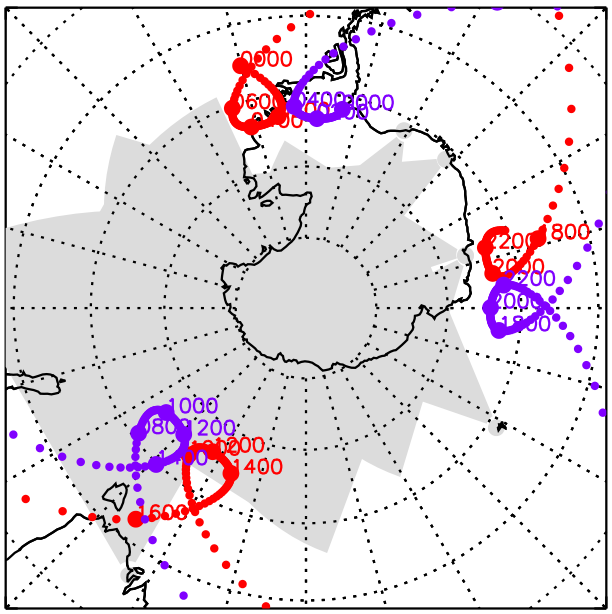


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

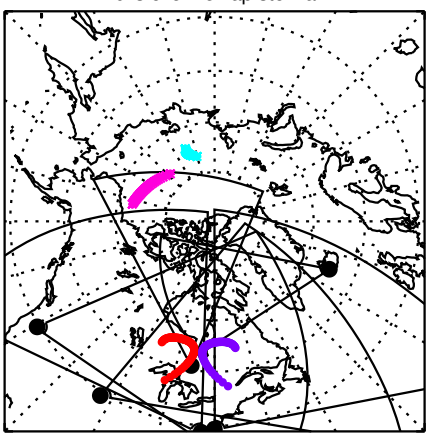
02–Apr–2015

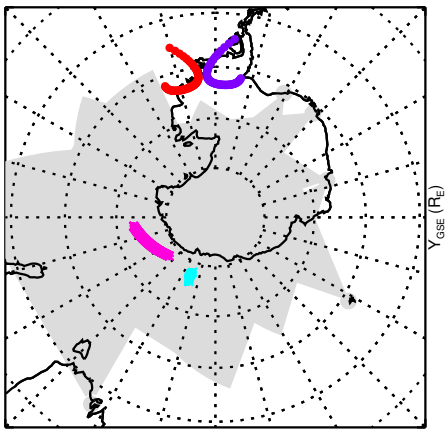
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

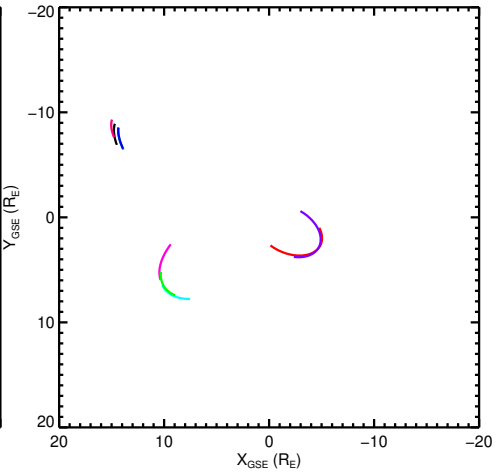




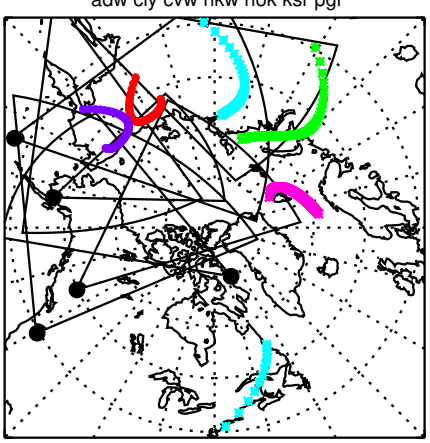
(a) 0000UT to 0525UT
bks cve fhe kap sto wal



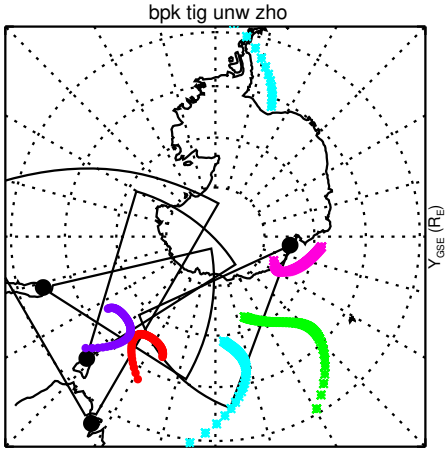


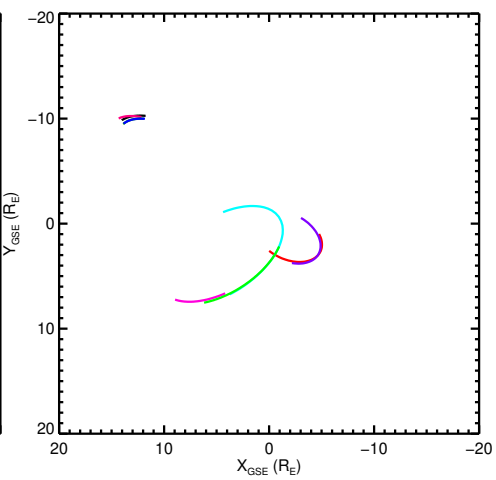


(b) 0855UT to 1425UT
adw cly cvw hkw hok ksr pgr

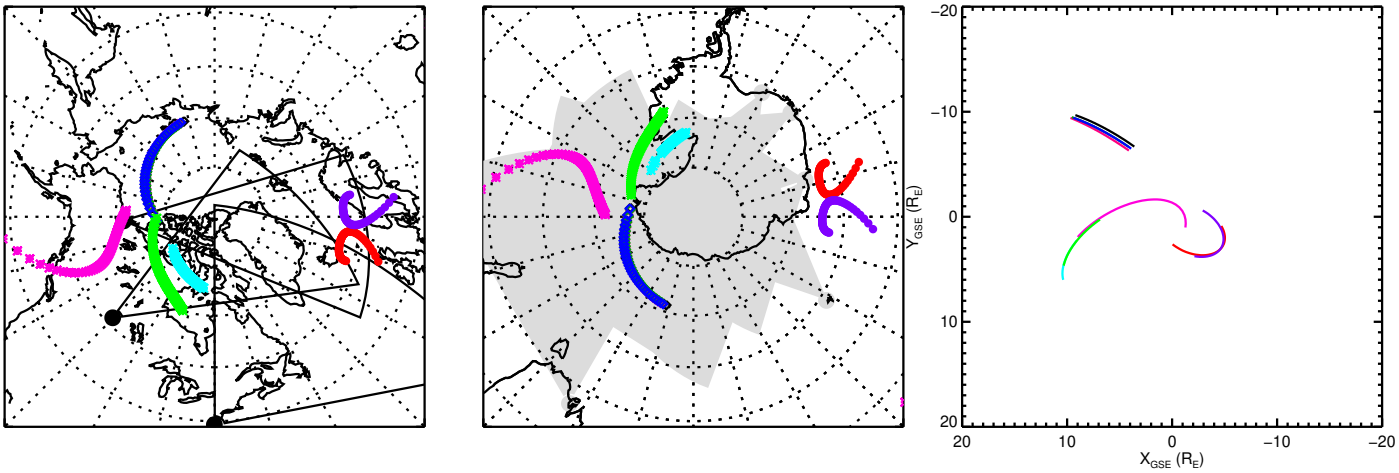


bpk tig unw zho





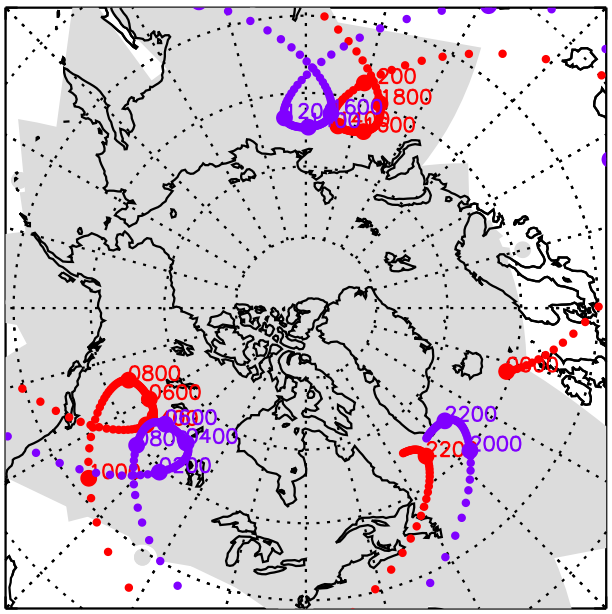
(c) 1755UT to 2330UT
inv sas wal

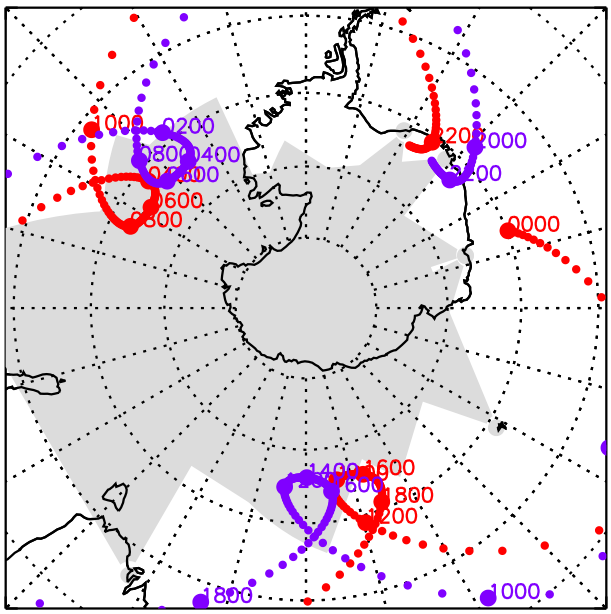


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

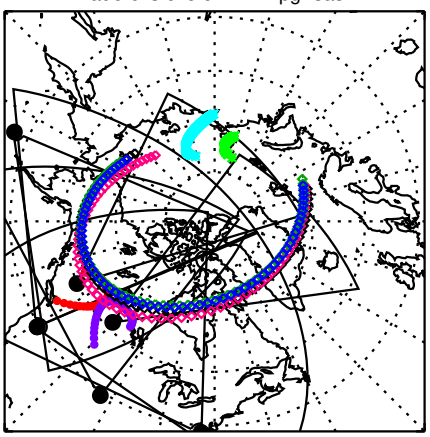
03–Apr–2015

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

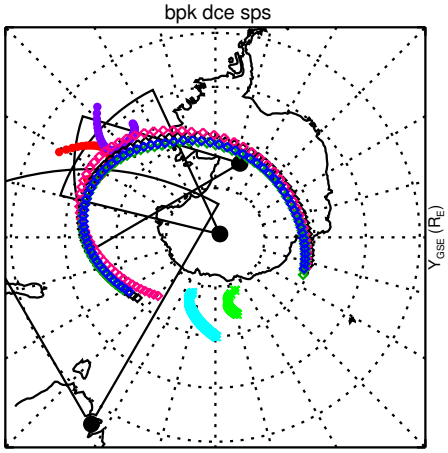


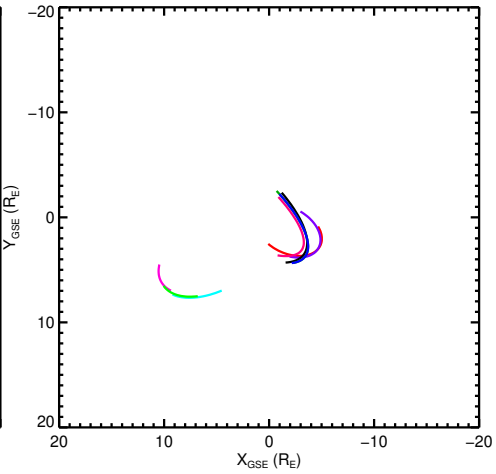


(a) 0250UT to 0830UT
ade bks cve cvw fhw pgr sas

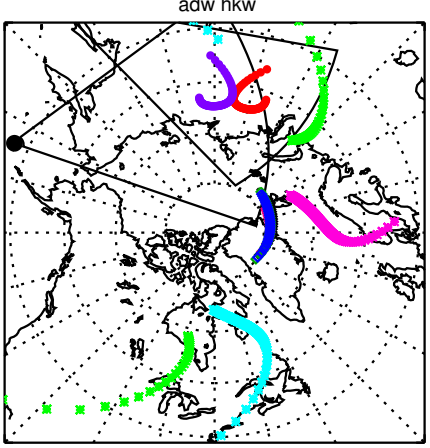


bpk dce sps

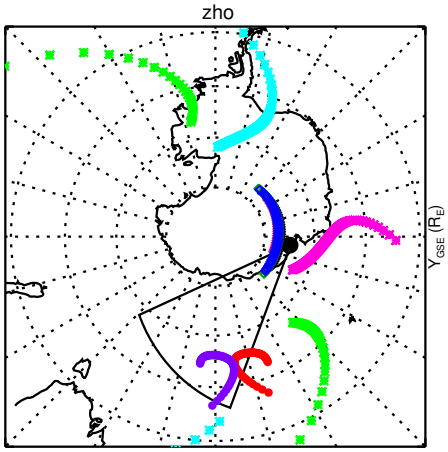


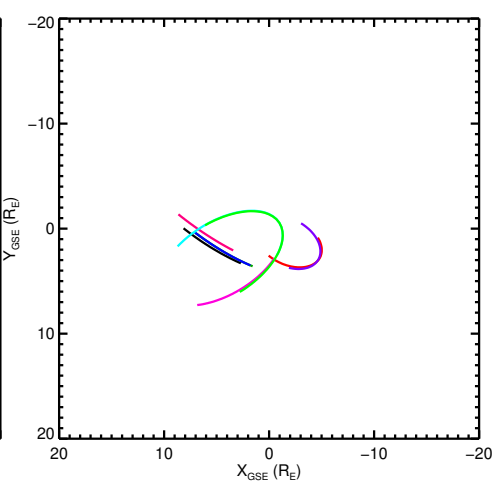


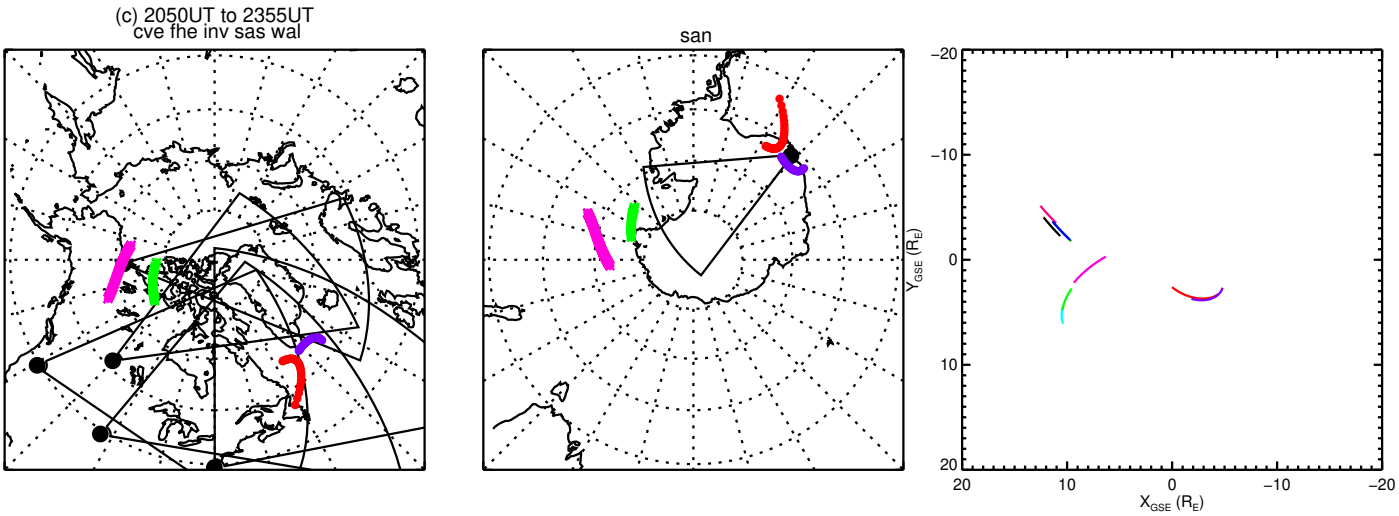
(b) 1150UT to 1730UT
adw hkw



zho



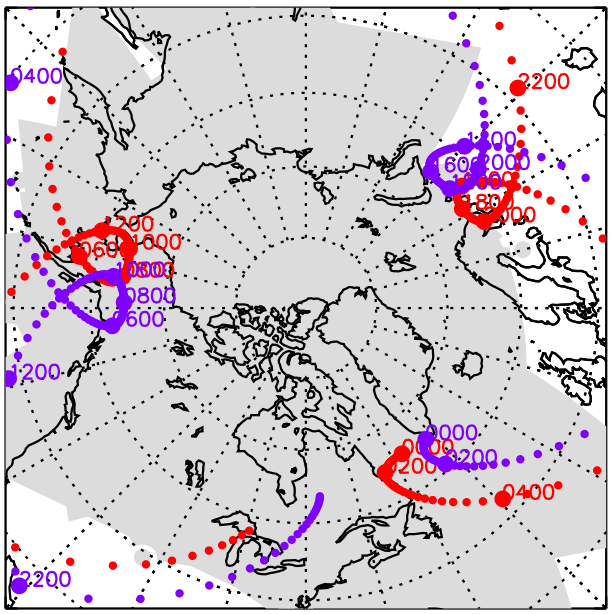


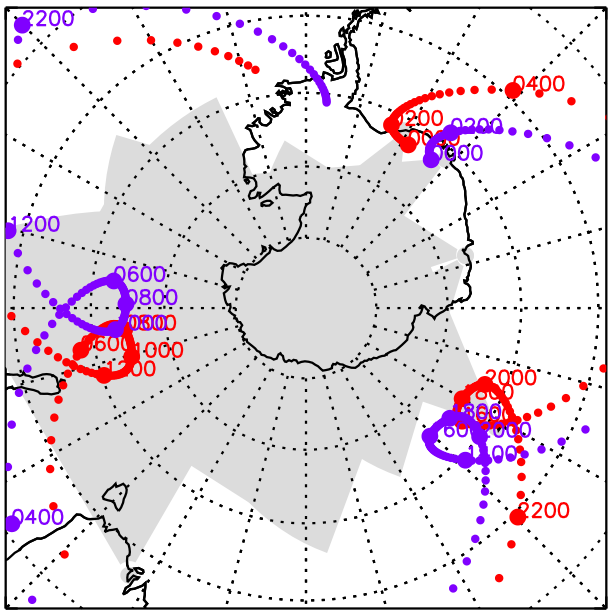

(c) 2050UT to 2355UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

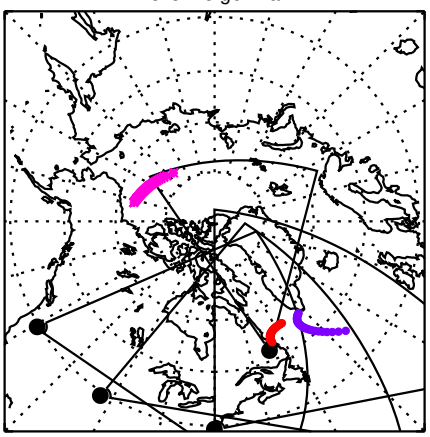
04–Apr–2015

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

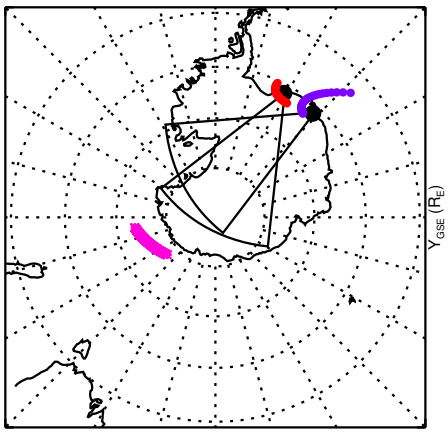


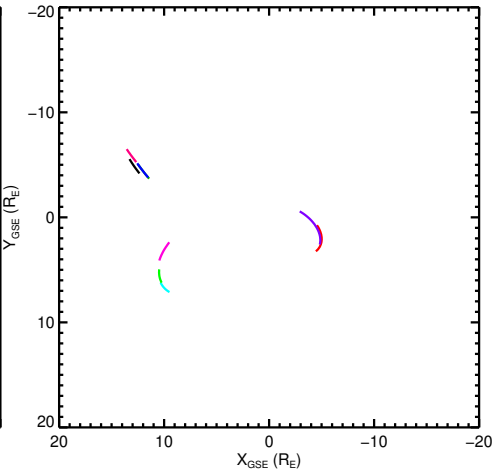


(a) 0000UT to 0235UT
cve fhe gbr wal

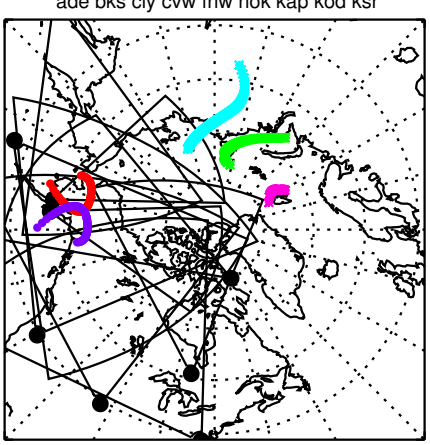


hal san

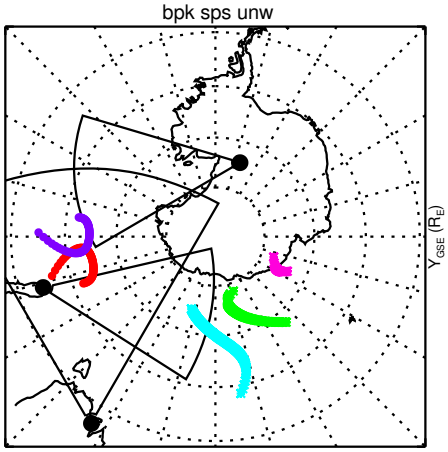


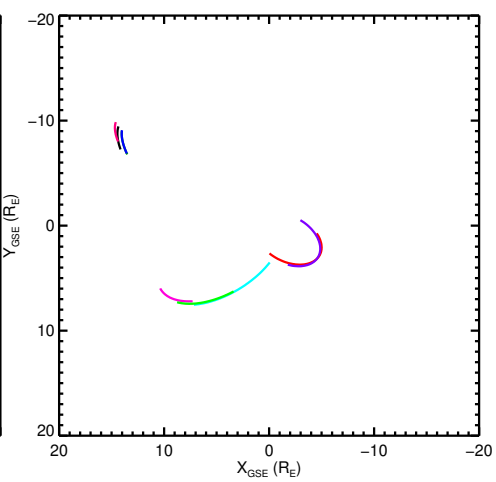


(b) 0550UT to 1135UT
ade bks cly cvw fhw hok kap kod ksr

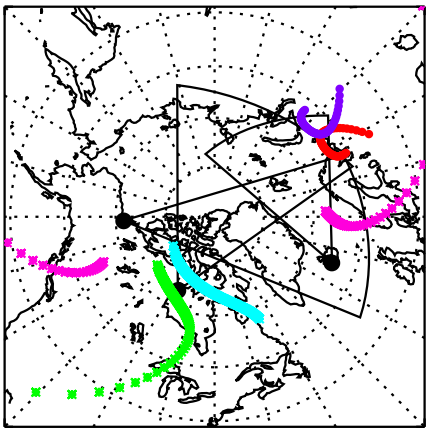


bpk sps unw

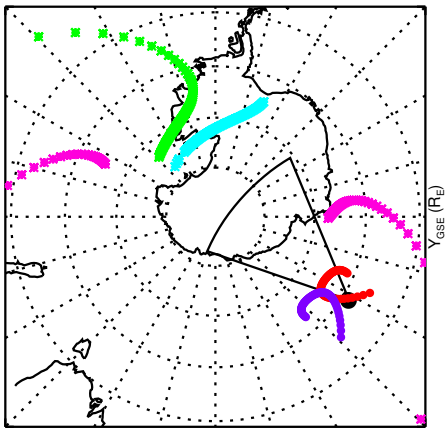


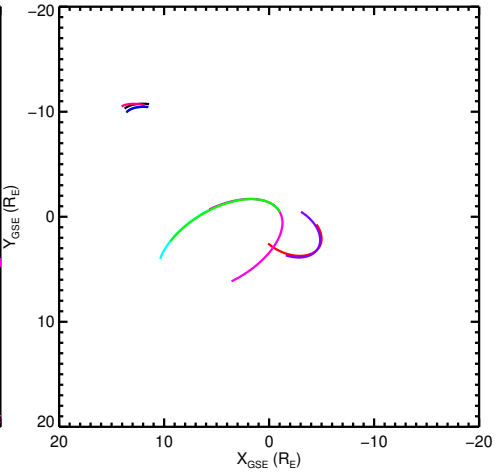


(c) 1445UT to 2035UT
inv pyk rkn

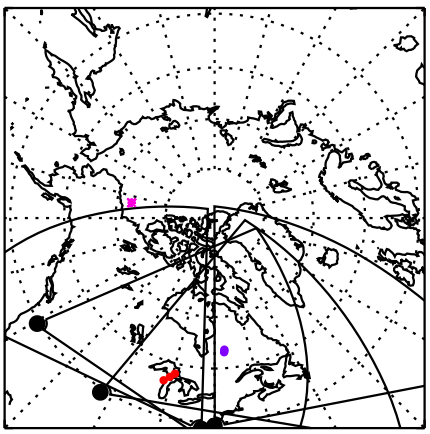


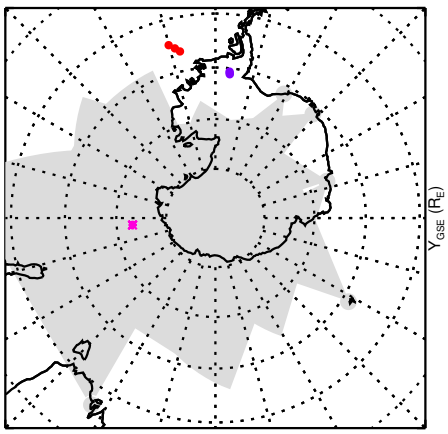
ker

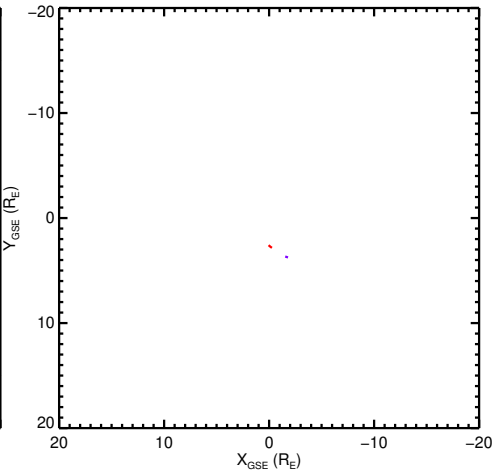




(d) 2345UT to 2355UT
bks cve fhe wal



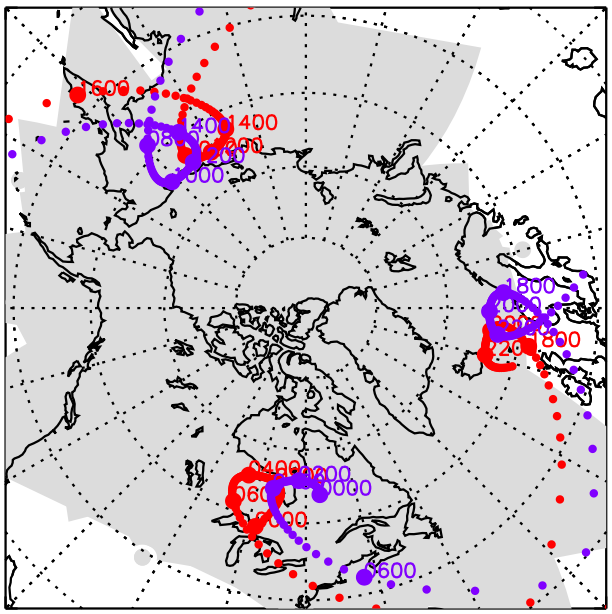


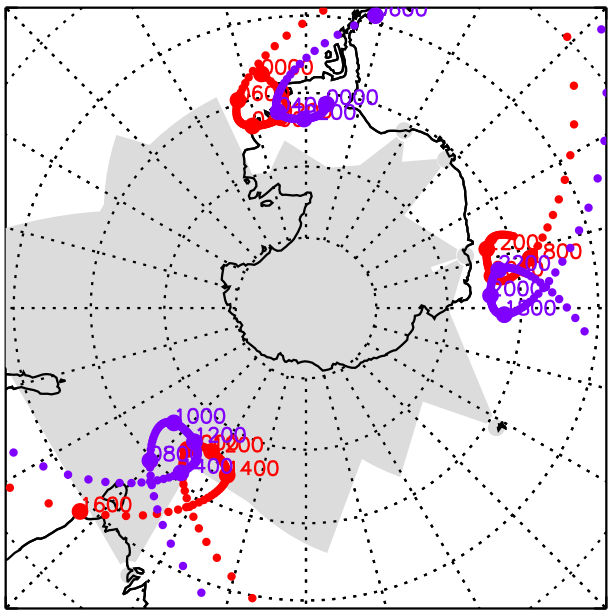


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

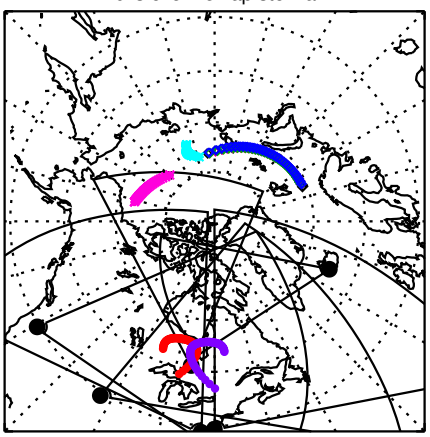
05–Apr–2015

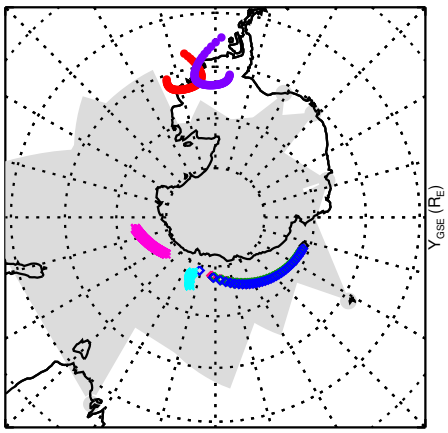
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

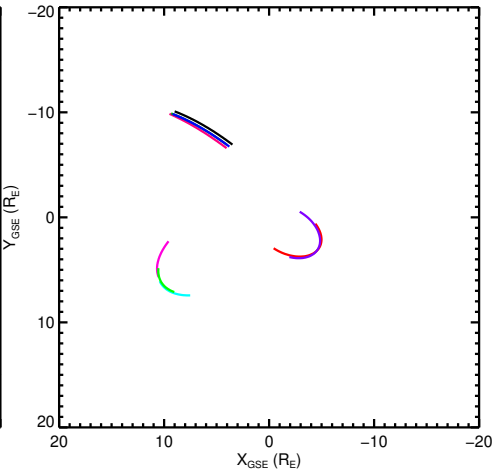




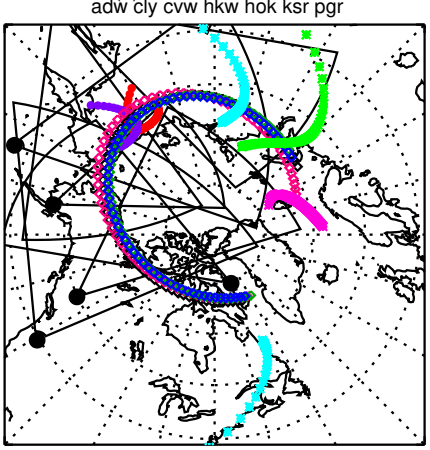
(a) 0000UT to 0540UT
bks cve fhe kap sto wal



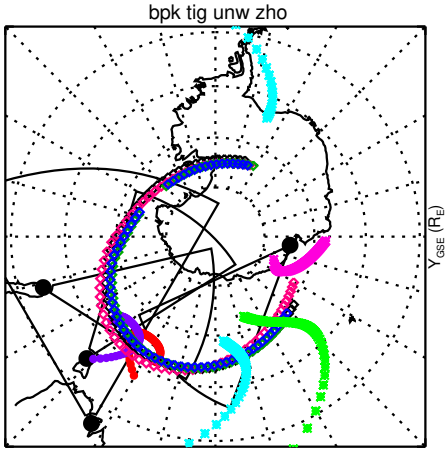


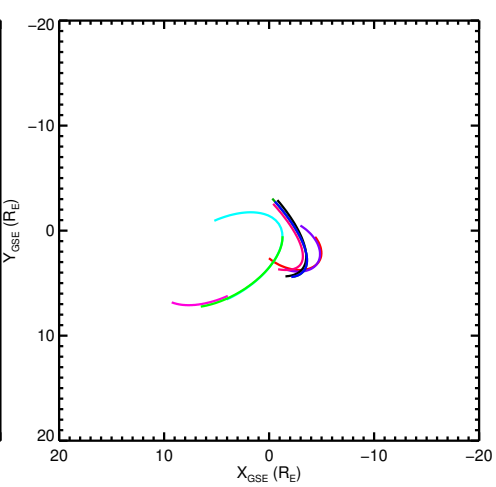


(b) 0845UT to 1440UT
adw cly cvw hkw hok ksr pgr

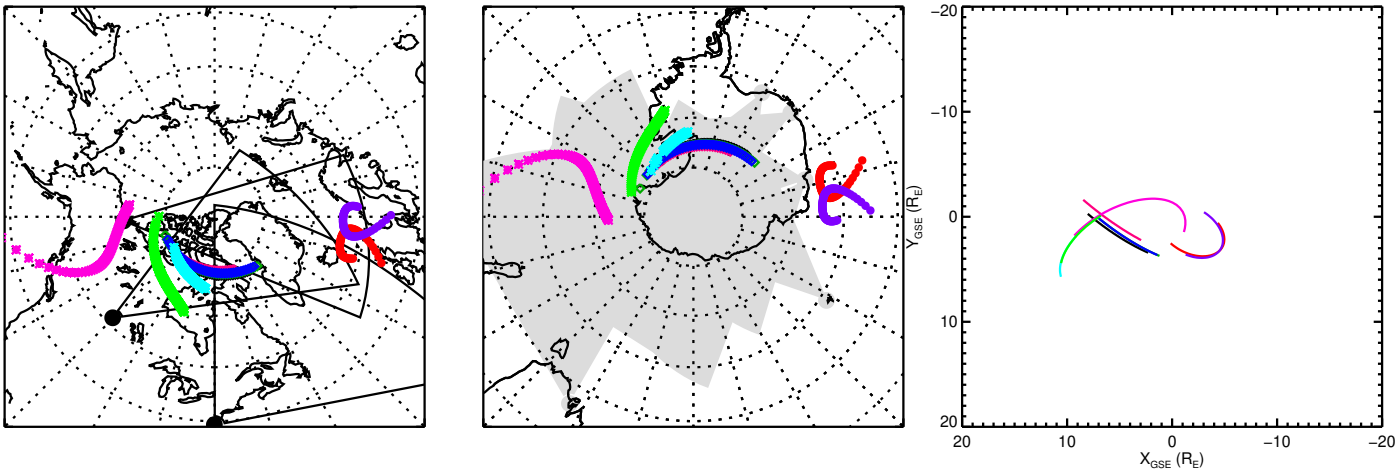


bpk tig unw zho





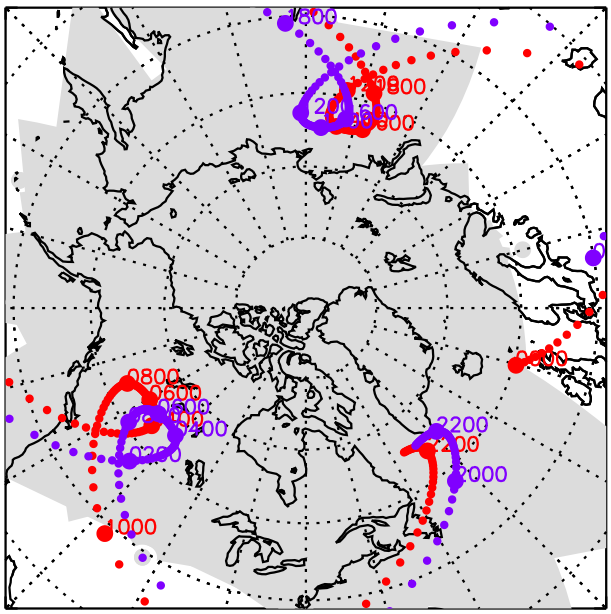
(c) 1740UT to 2340UT
inv sas wal

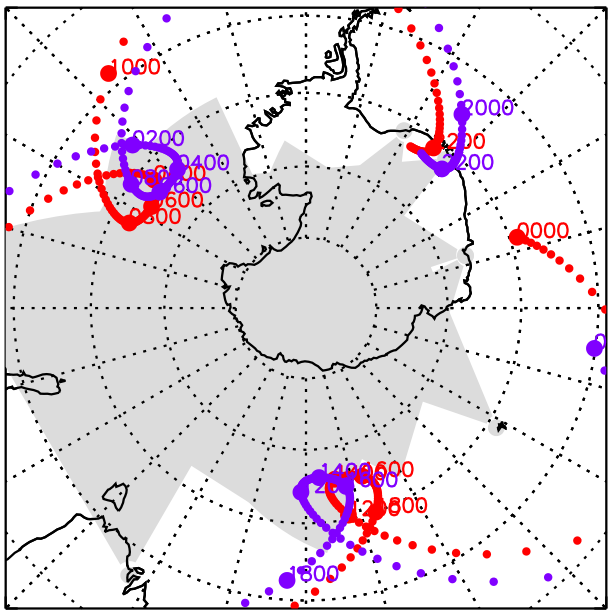


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

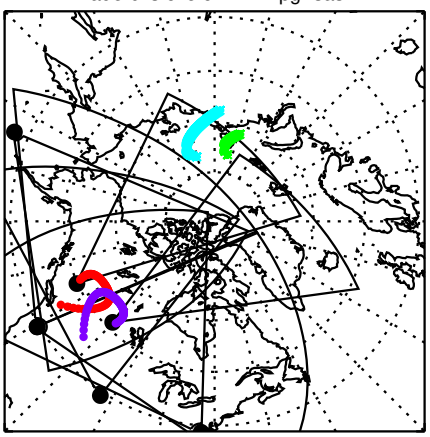
06–Apr–2015

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

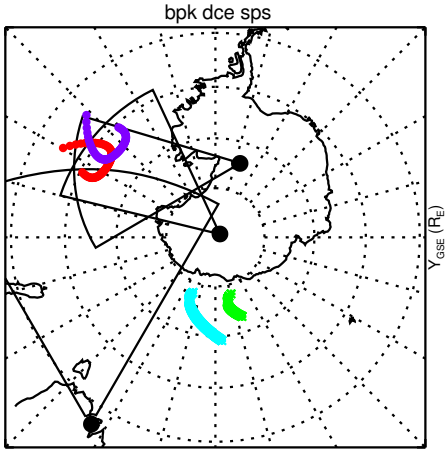


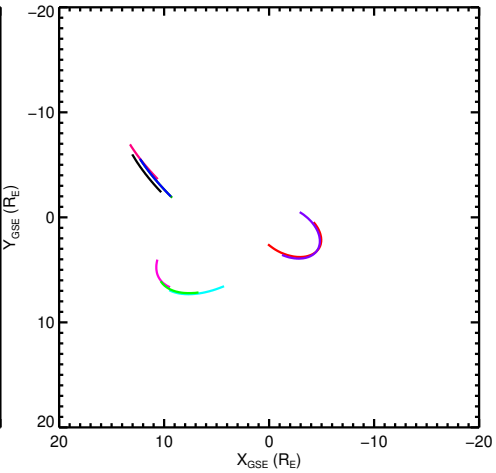


(a) 0240UT to 0845UT
ade bks cve cvw fhw pgr sas

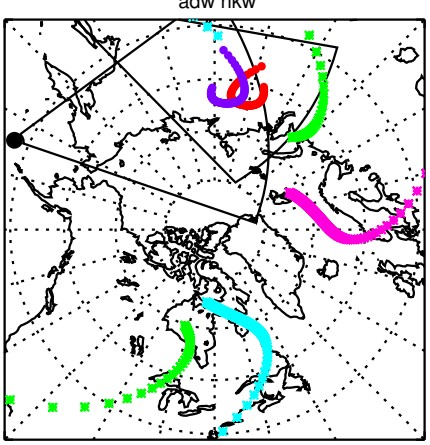


bpk dce sps

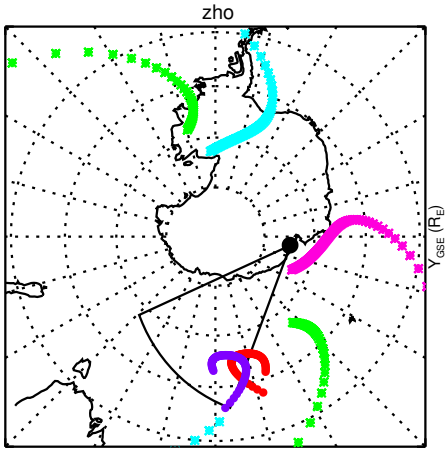


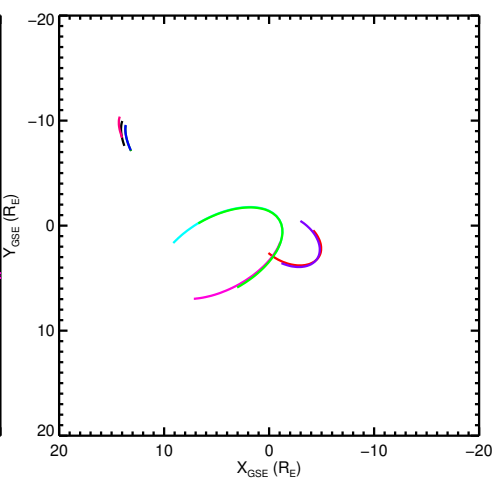


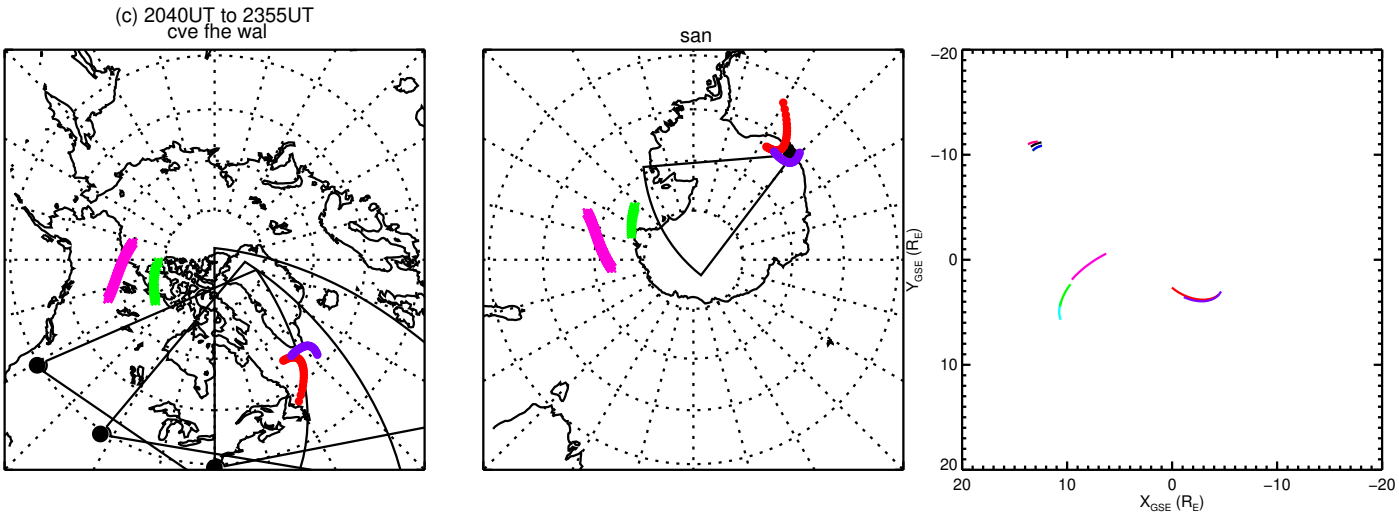
(b) 1140UT to 1745UT
adw hkw



zho



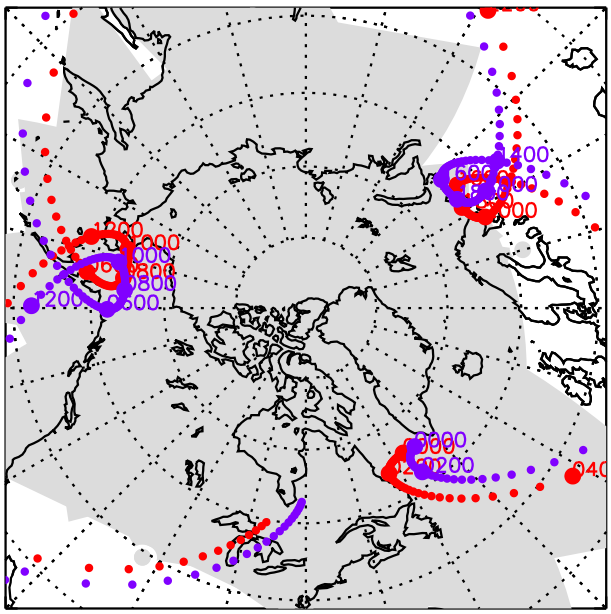


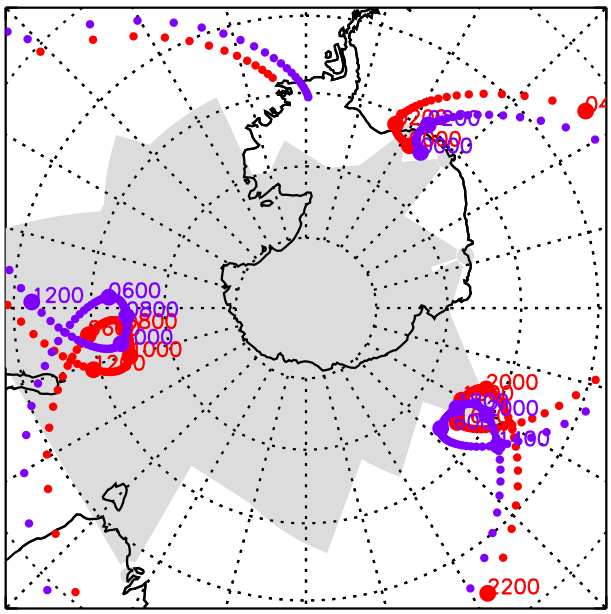

(c) 2040UT to 2355UT
cve fhe wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

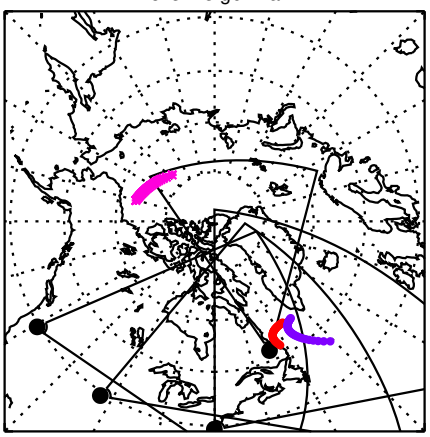
07−Apr−2015

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

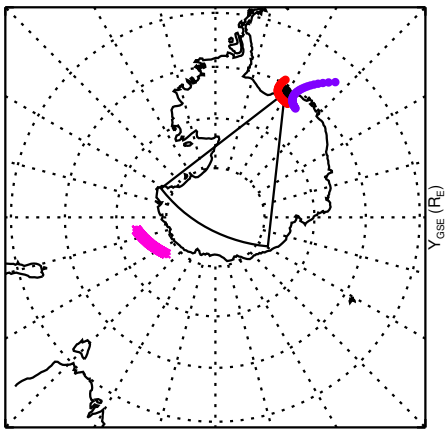


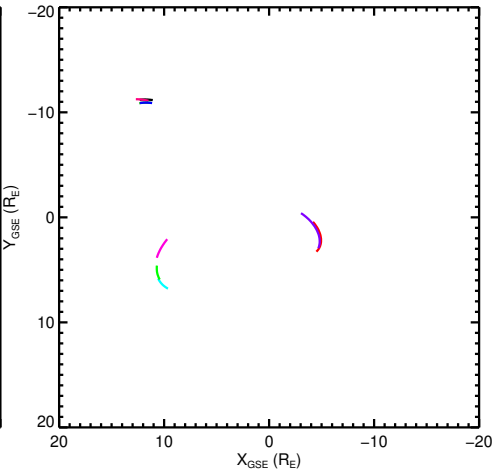


(a) 0000UT to 0245UT
cve fhe gbr wal

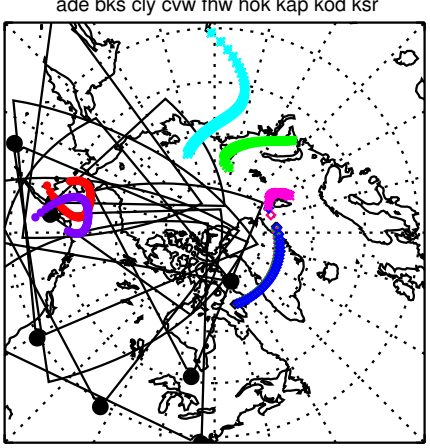


hal

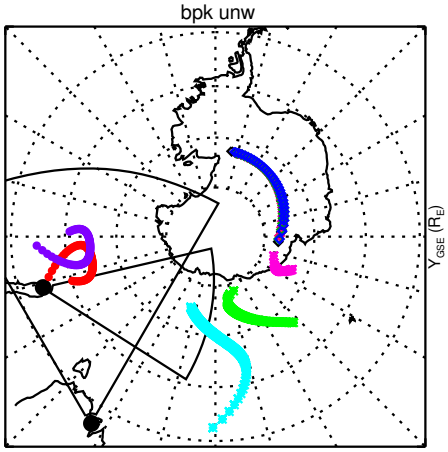


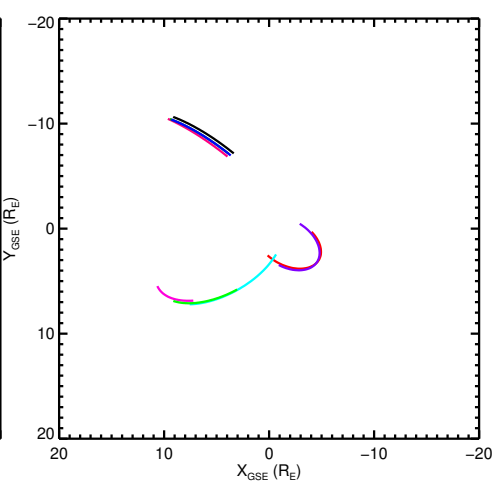


(b) 0535UT to 1150UT
ade bks cly cvw fhw hok kap kod ksr

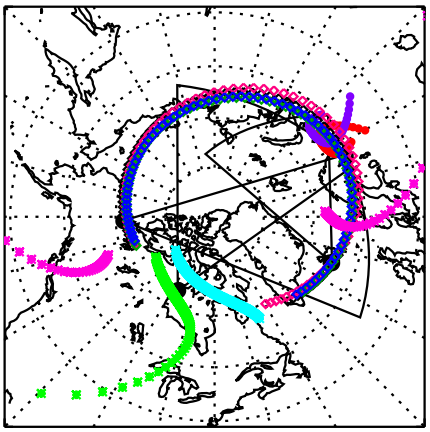


bpk unw

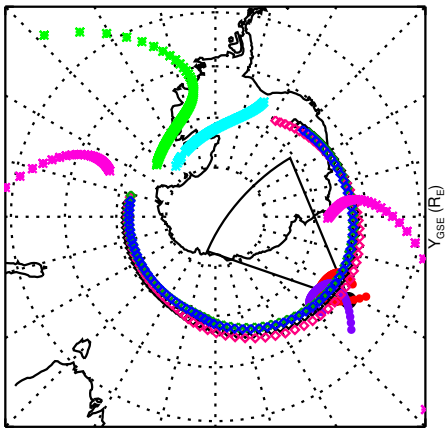


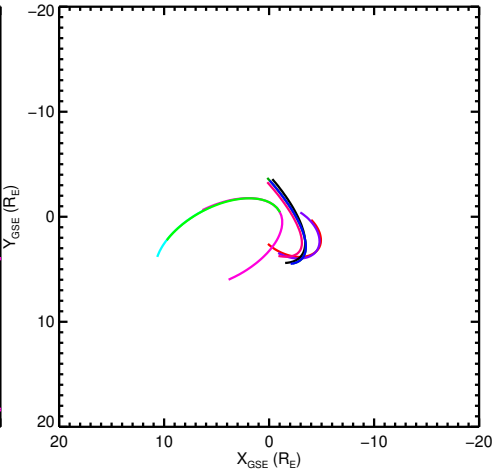


(c) 1435UT to 2050UT
inv pyk rkn

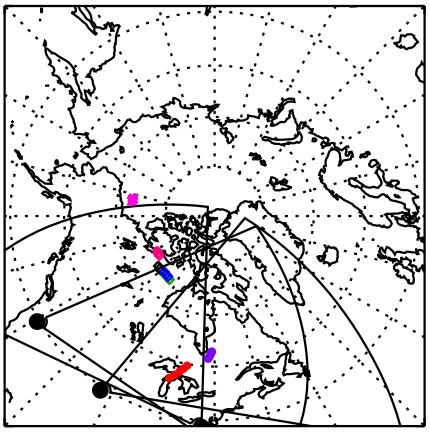


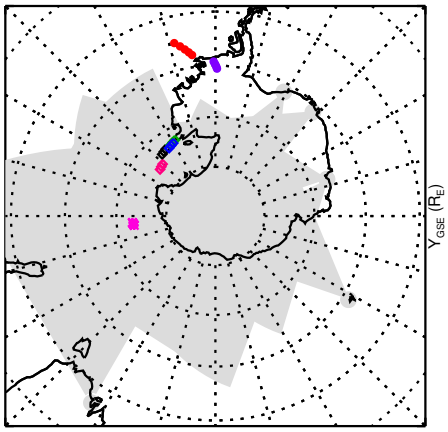
ker

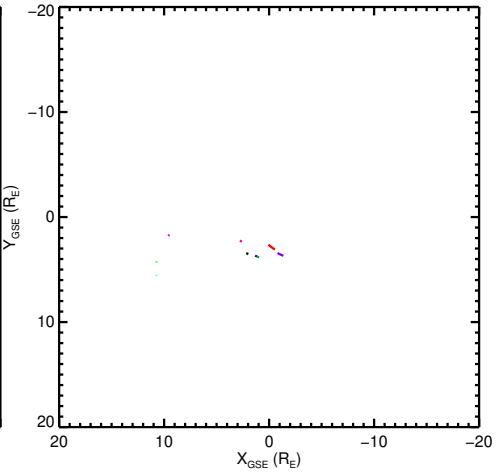




(d) 2335UT to 2355UT
bks cve fhe



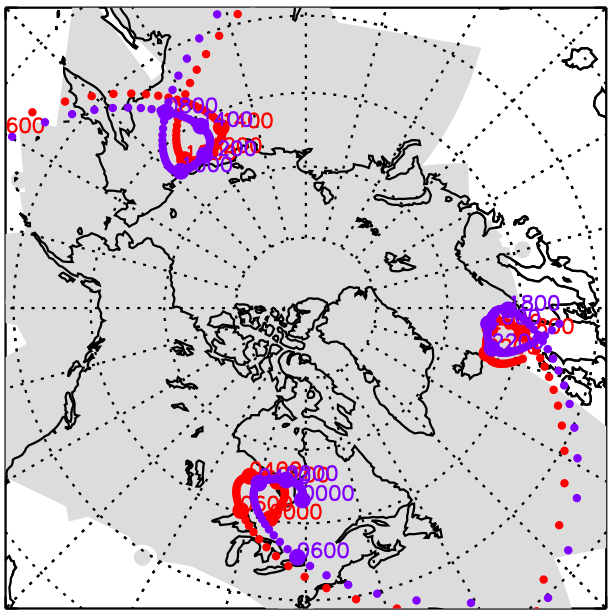


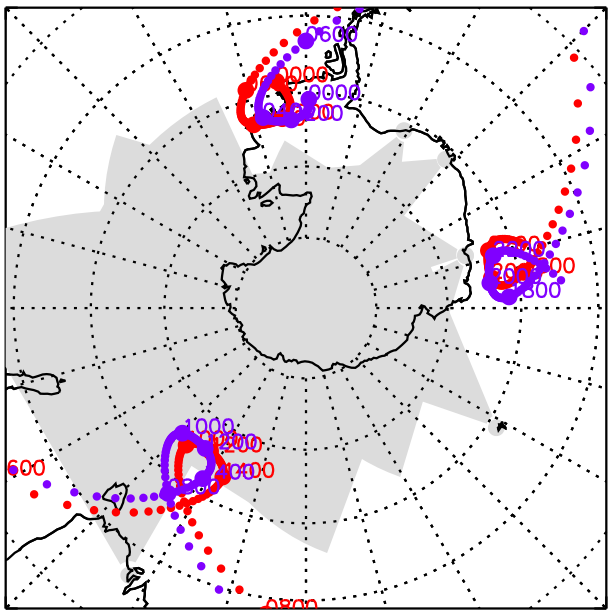


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

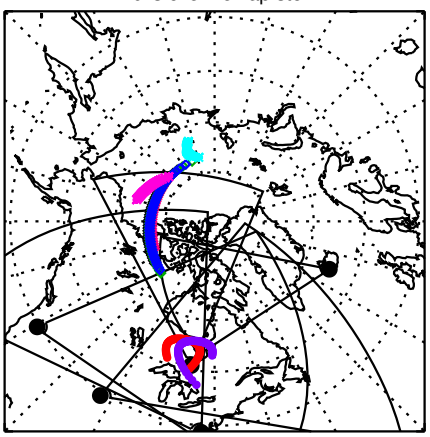
08–Apr–2015

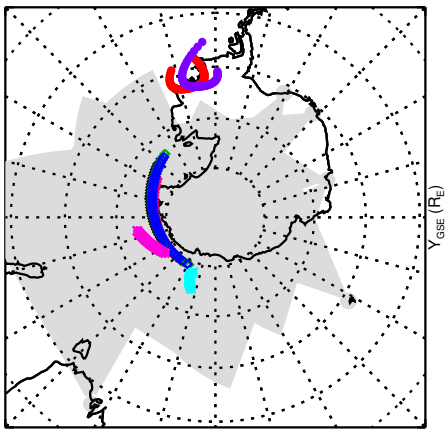
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

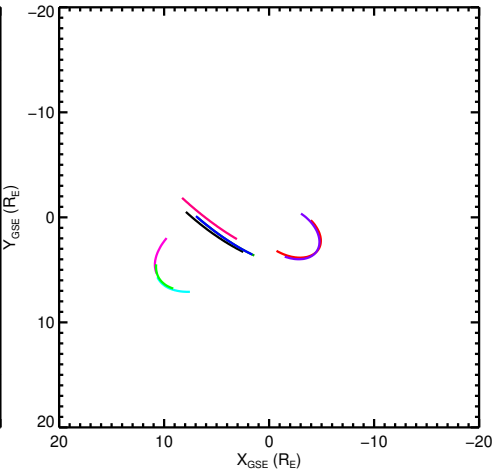




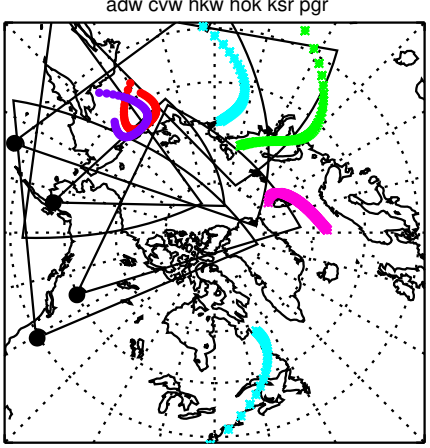
(a) 0000UT to 0550UT
bks cve fhe kap sto



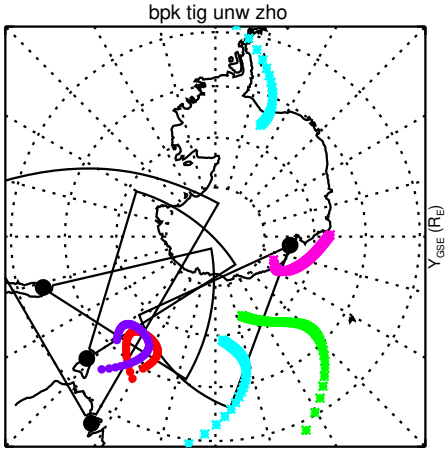


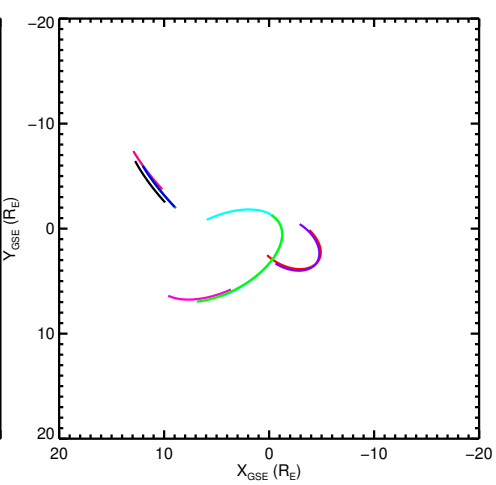


(b) 0830UT to 1455UT
adw cvw hkw hok ksr pgr

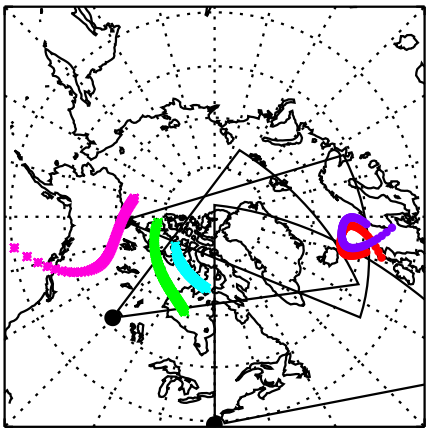


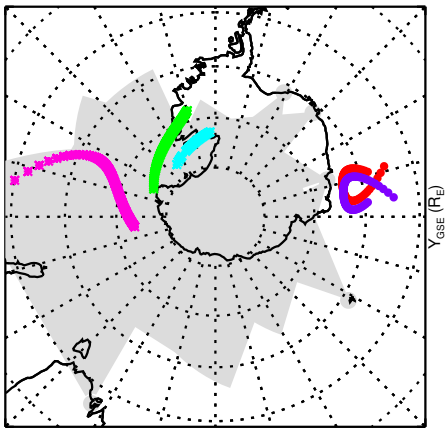
bpk tig unw zho

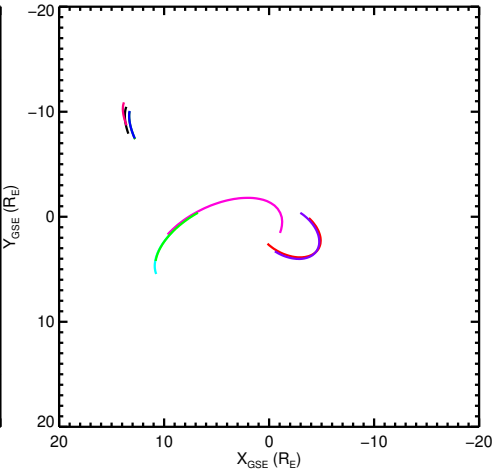




(c) 1730UT to 2355UT
inv sas wal



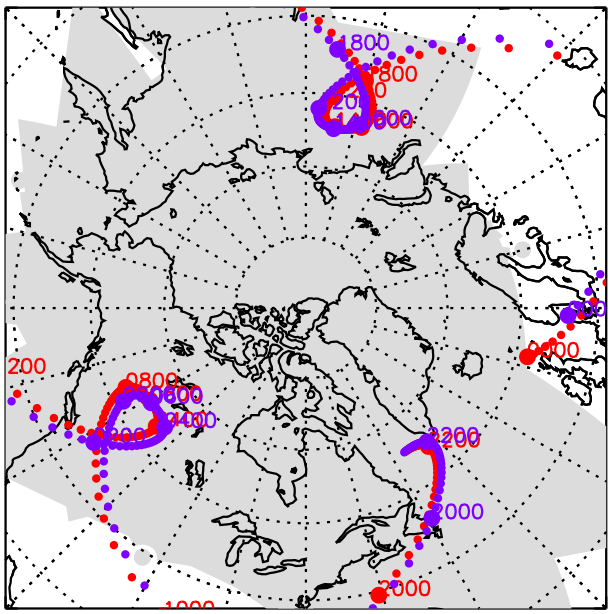


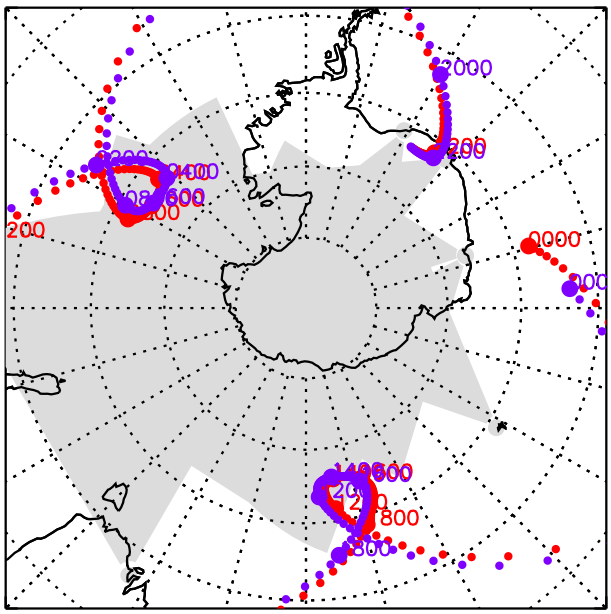


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

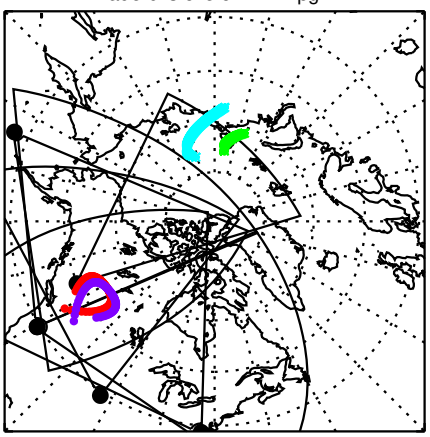
09–Apr–2015

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

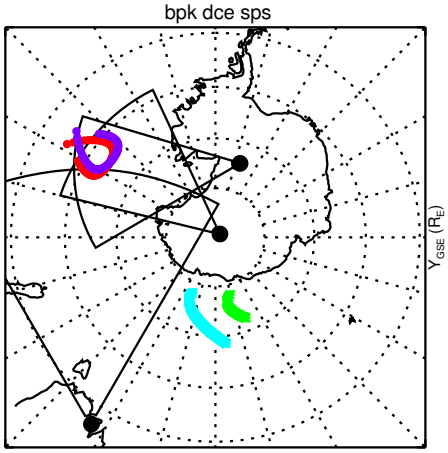


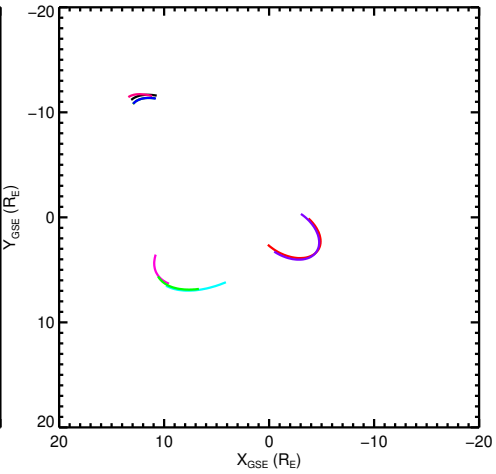


(a) 0230UT to 0855UT
ade bks cve cvw fhw pgr

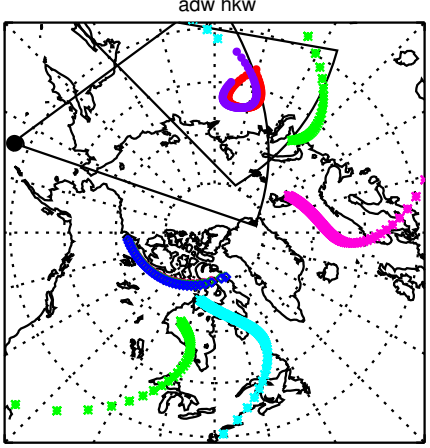


bpk dce sps

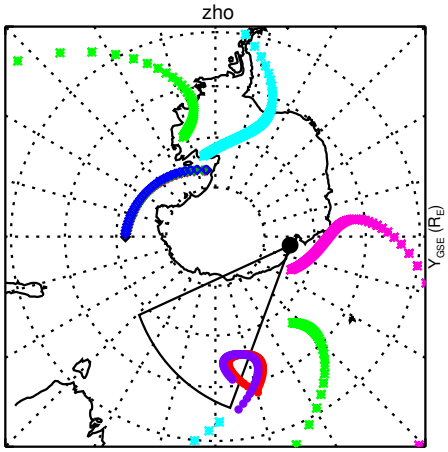


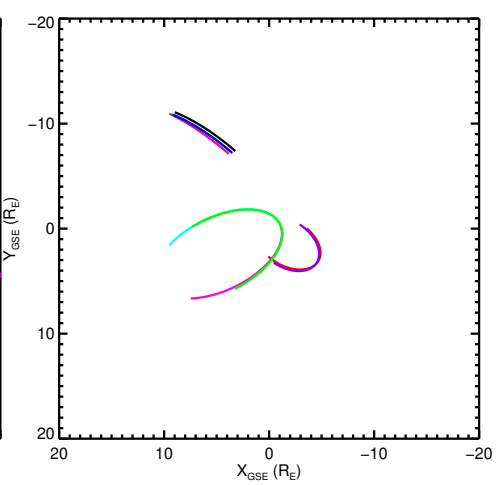


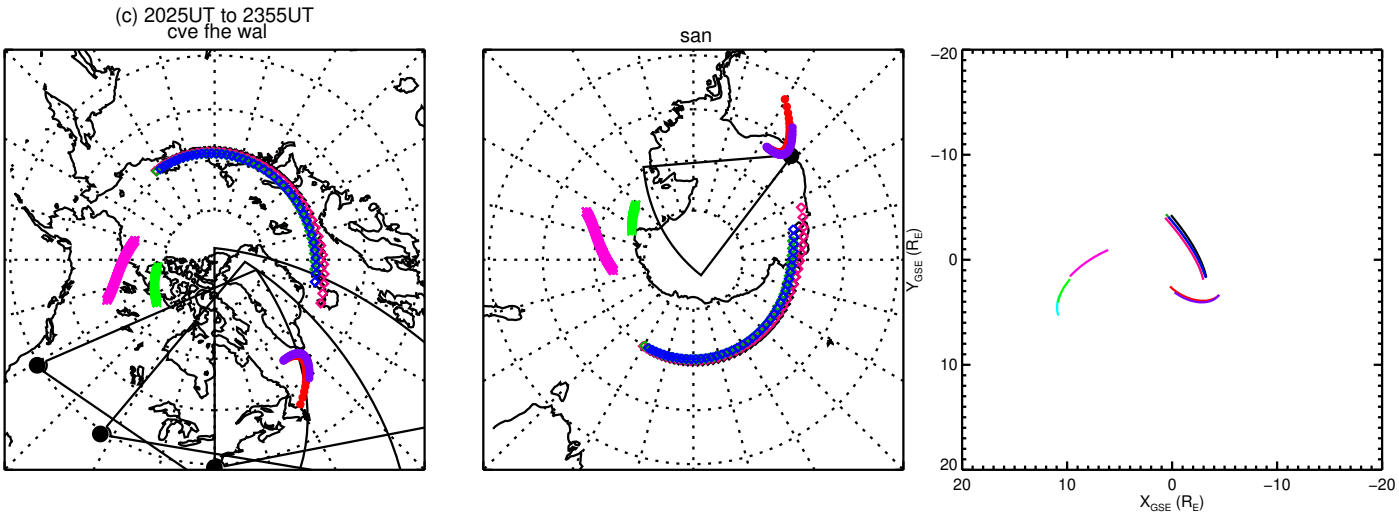
(b) 1130UT to 1800UT
adw hkw



zho



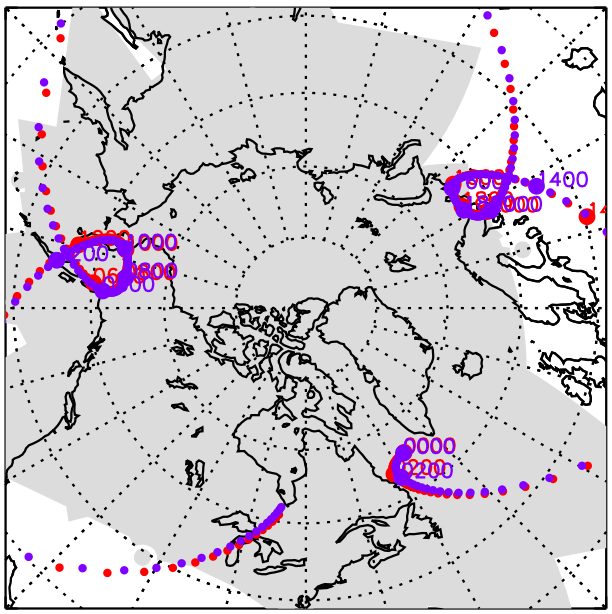


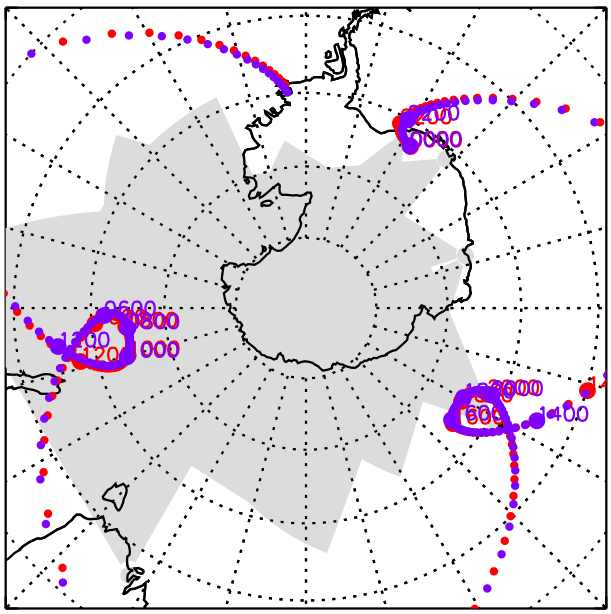

(c) 2025UT to 2355UT
cve fhe wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

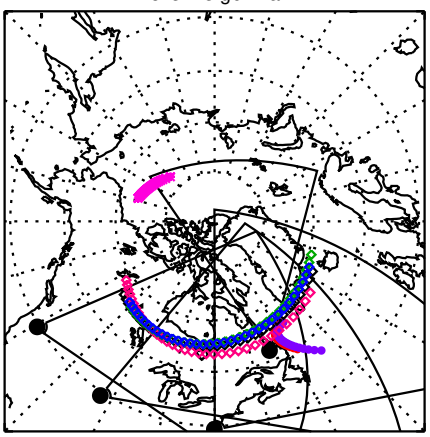
10–Apr–2015

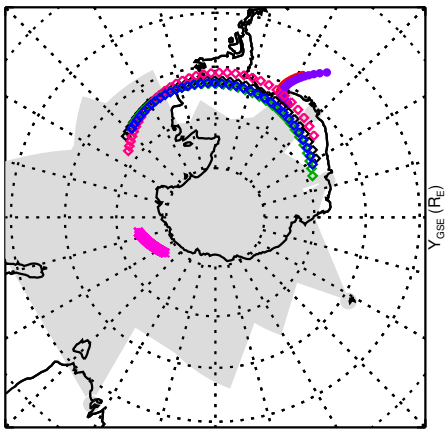
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

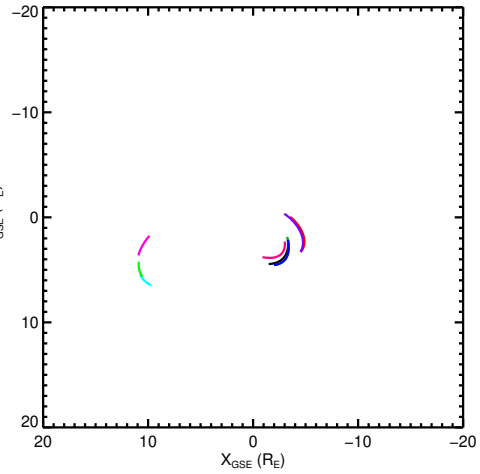




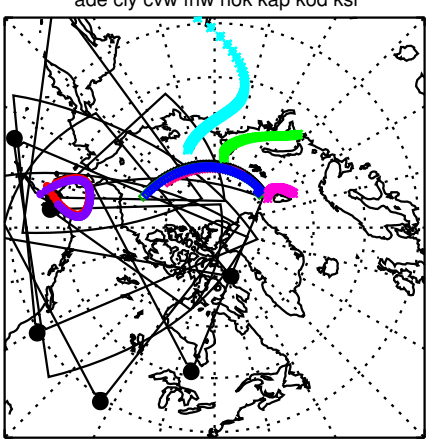
(a) 0000UT to 0300UT
cve fhe gbr wal



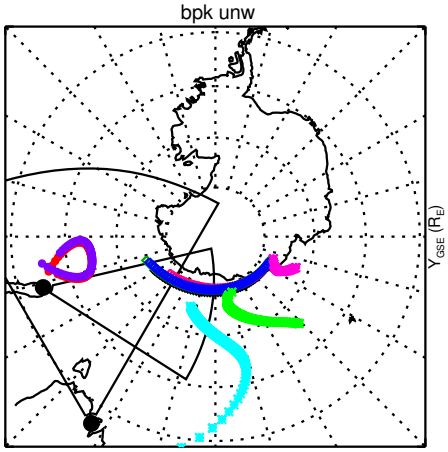


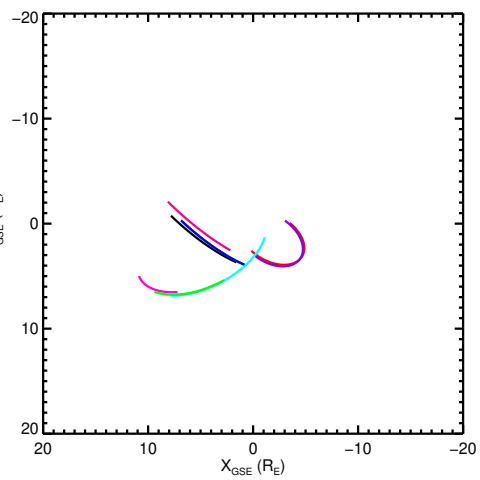


(b) 0525UT to 1200UT
ade cly cvw fhw hok kap kod ksr



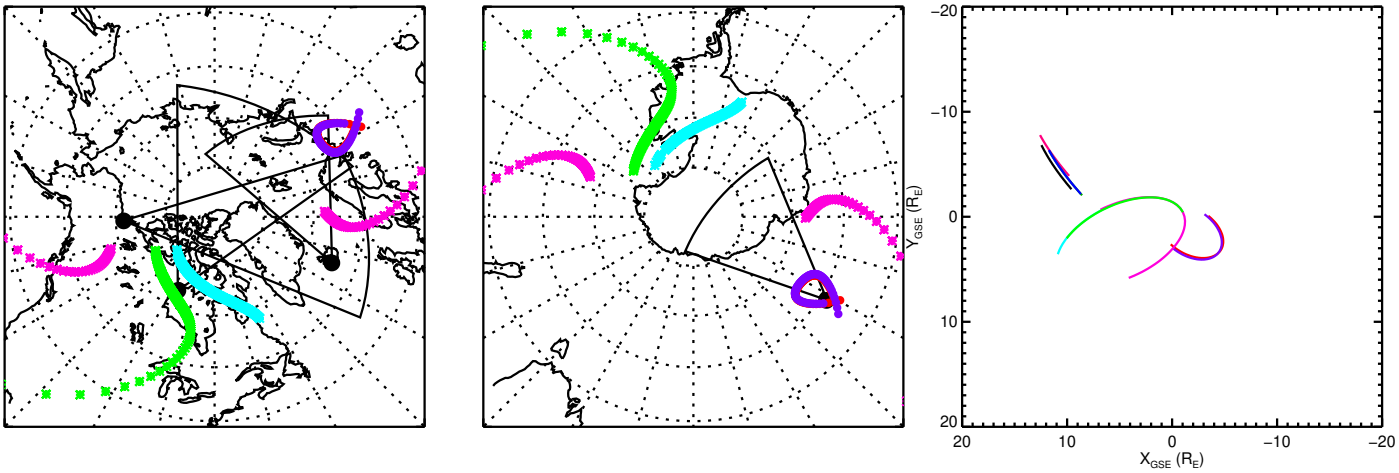
bpk unw



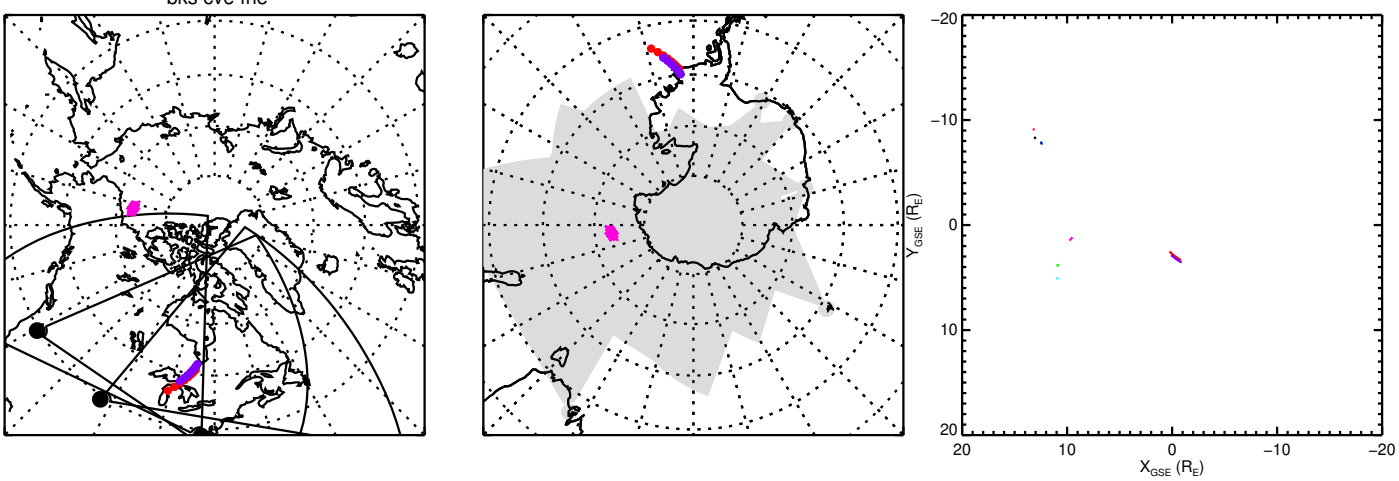


(c) 1425UT to 2100UT
inv pyk rkn

ker



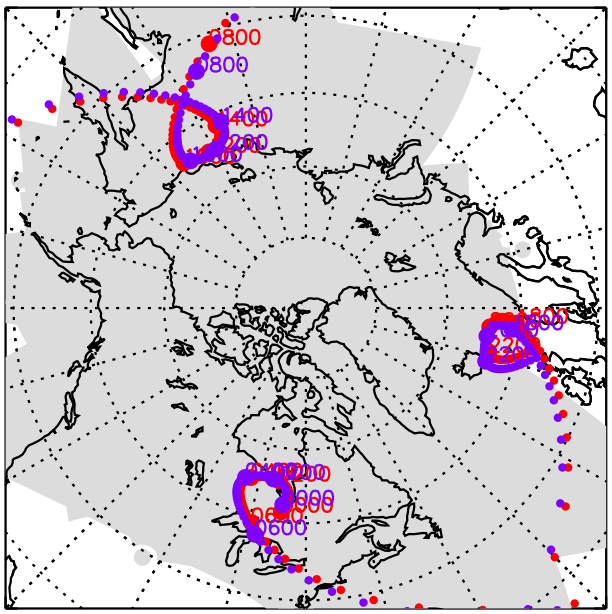
(d) 2320UT to 2355UT
bks cve fhe

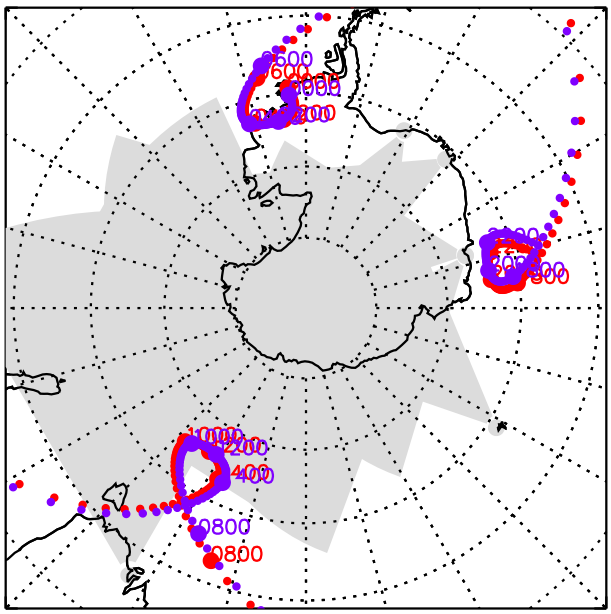


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

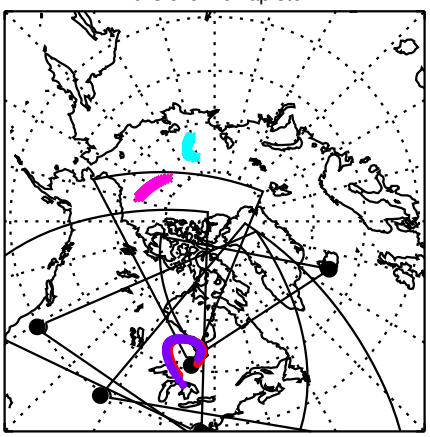
11−Apr−2015

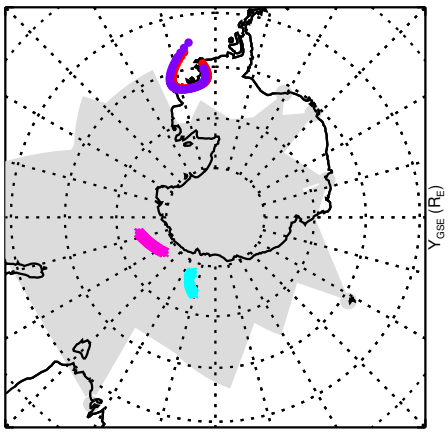
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

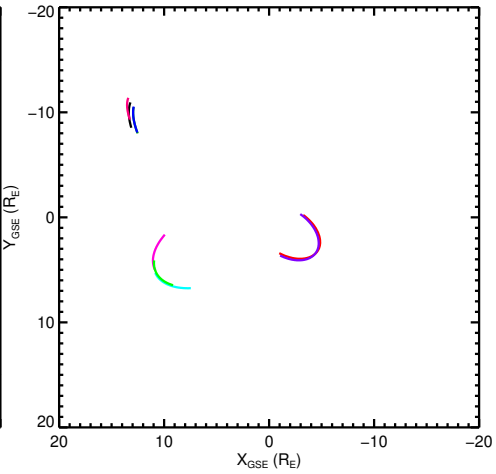




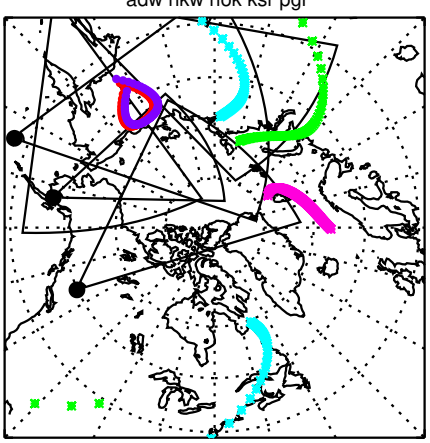
(a) 0000UT to 0605UT
bks cve fhe kap sto



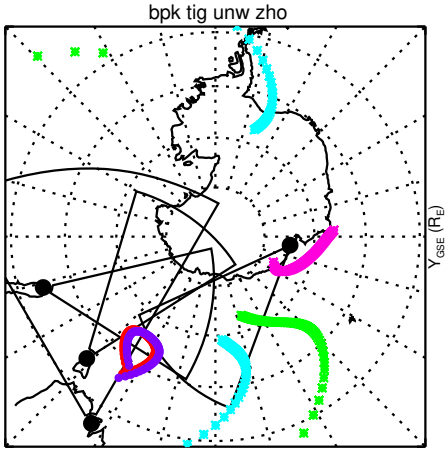


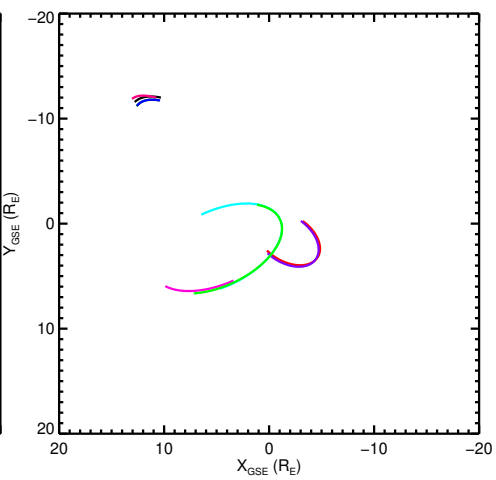


(b) 0820UT to 1505UT
adw hkw hok ksr pgr

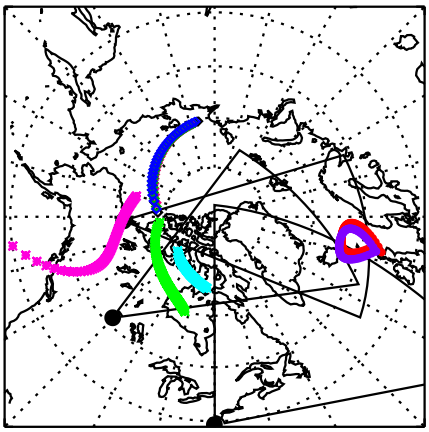


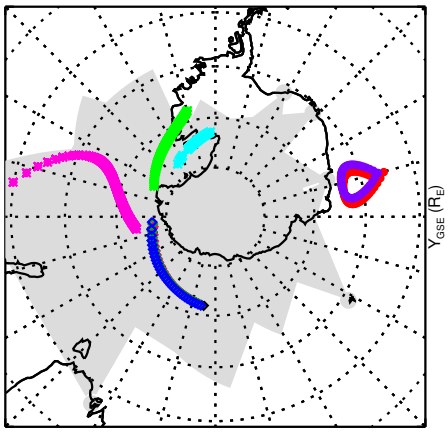
bpk tig unw zho

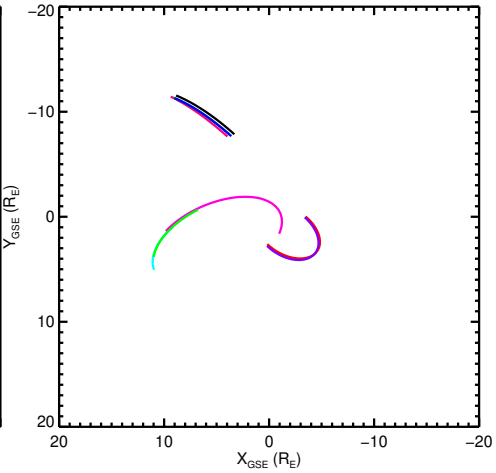




(c) 1720UT to 2355UT
inv sas wal



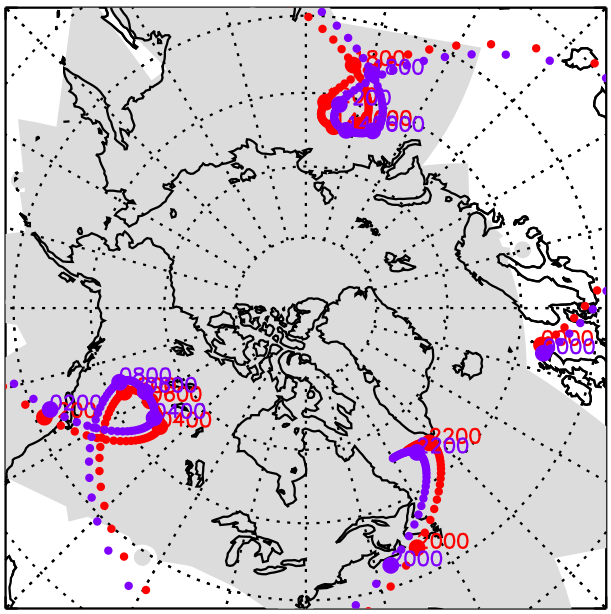


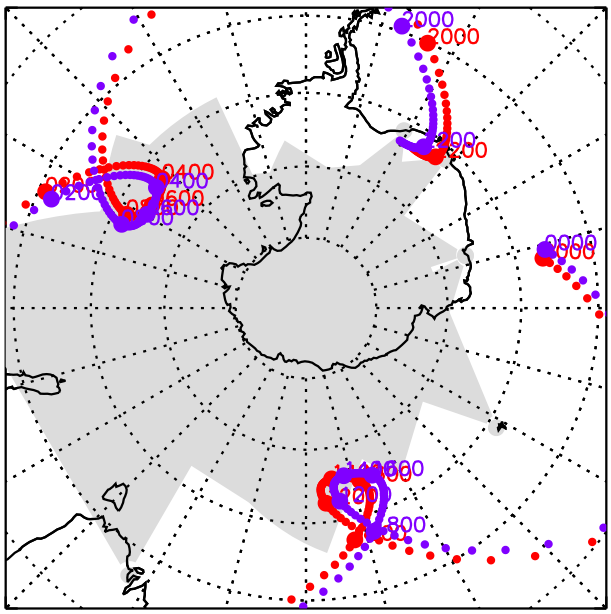


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

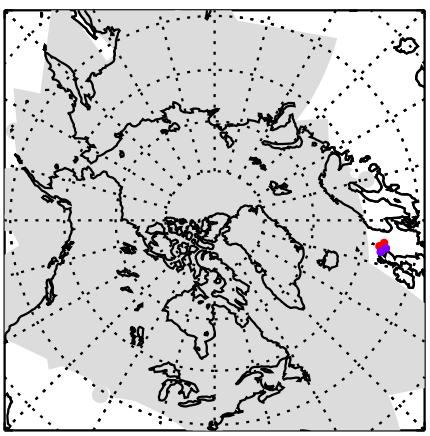
12−Apr−2015

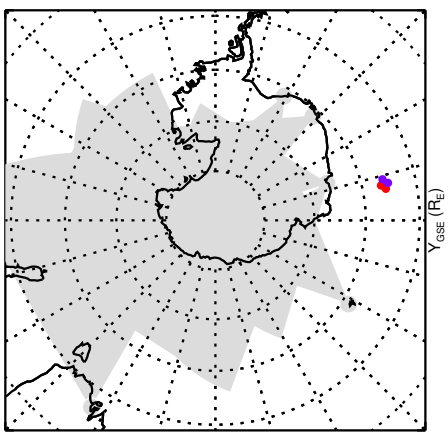
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

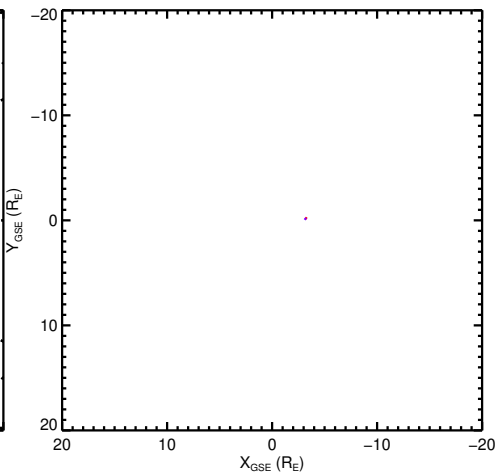




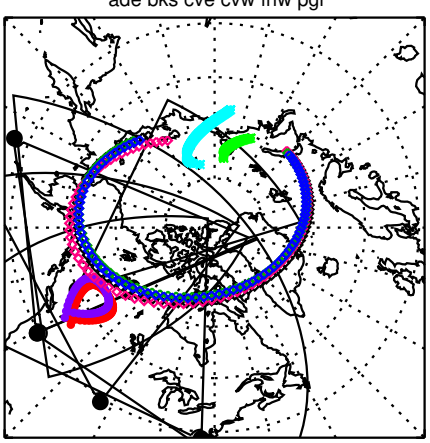
(a) 0000UT to 0005UT



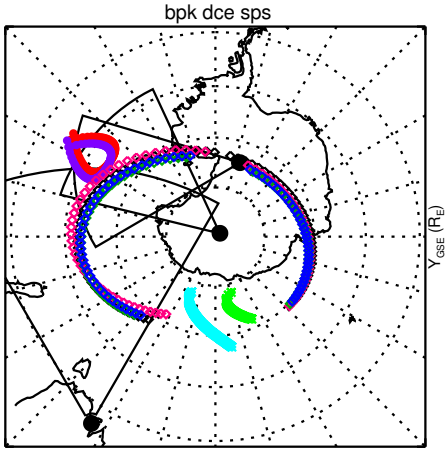


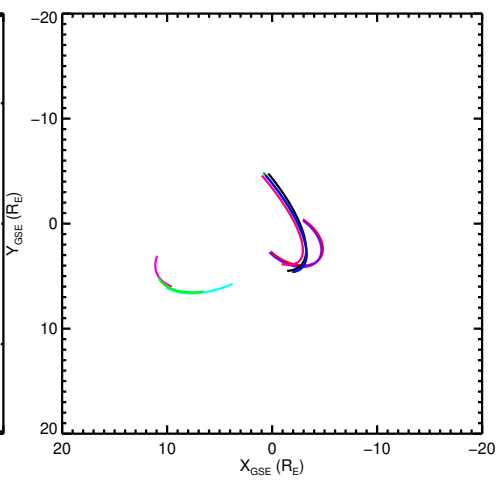


(b) 0220UT to 0910UT
ade bks cve cvw fhw pgr

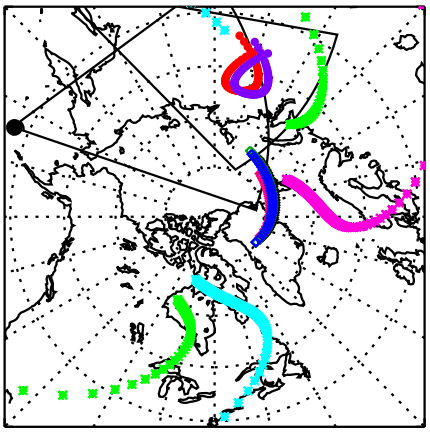


bpk dce sps

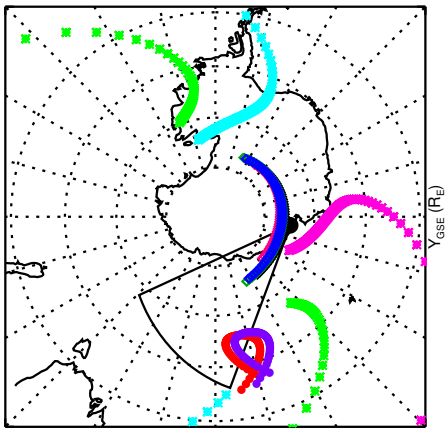


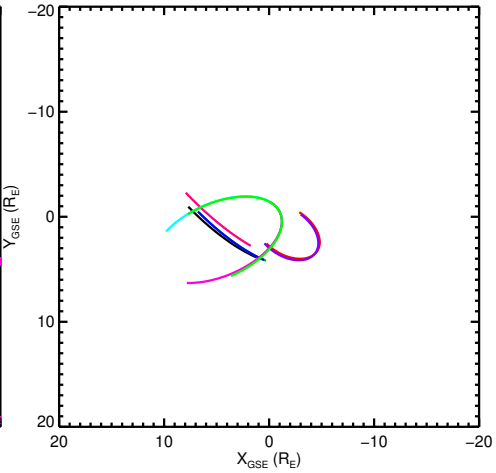


(c) 1115UT to 1810UT
adw hkw

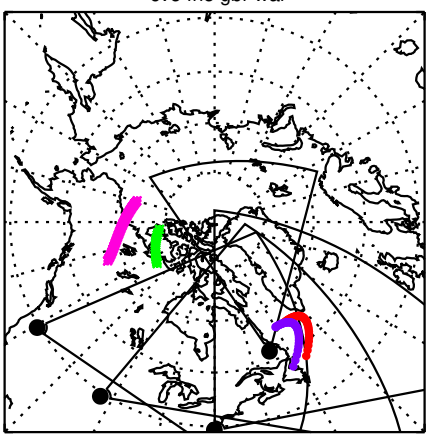


zho

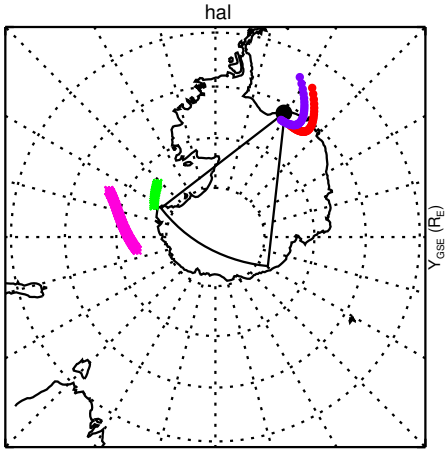


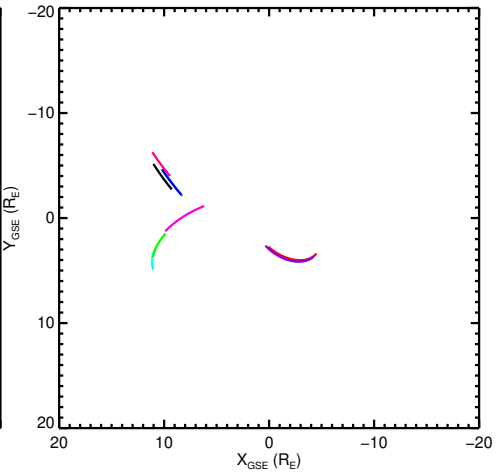


(d) 2020UT to 2355UT
cve fhe gbr wal



hal

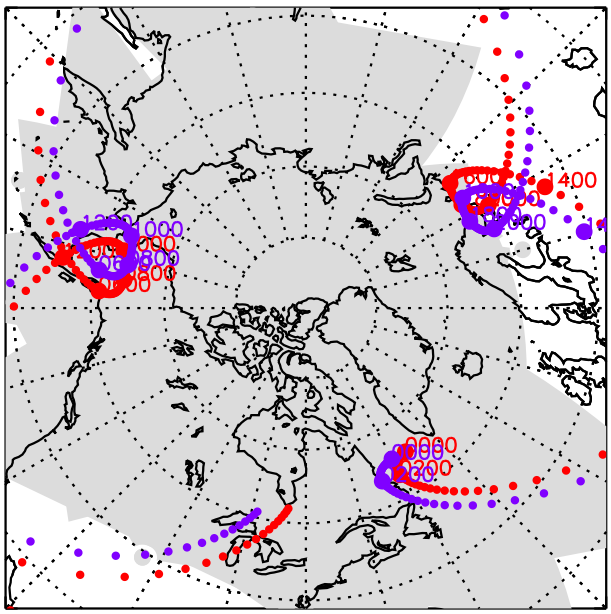


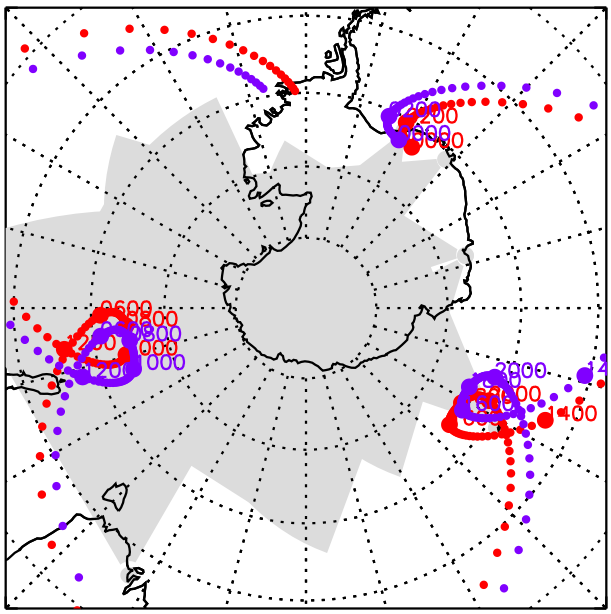


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

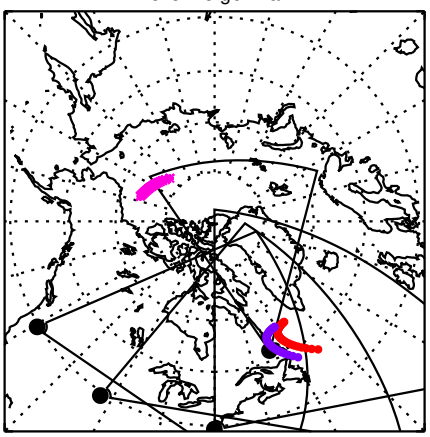
13–Apr–2015

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

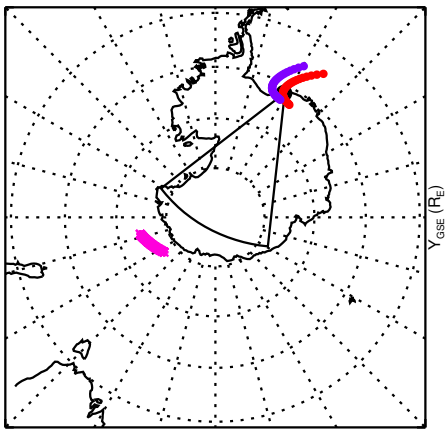


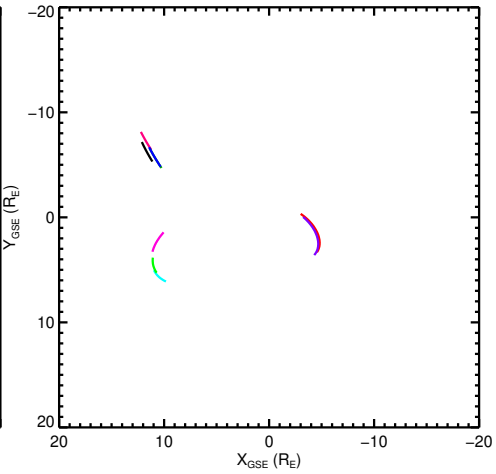


(a) 0000UT to 0305UT
cve fhe gbr wal

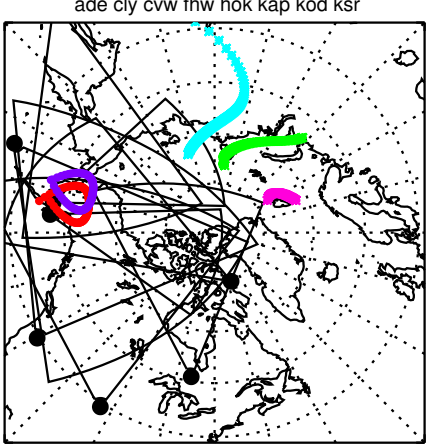


hal

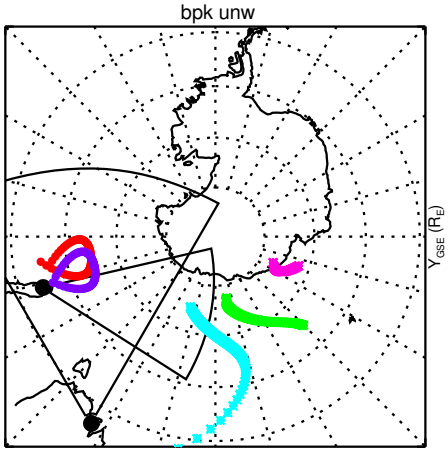


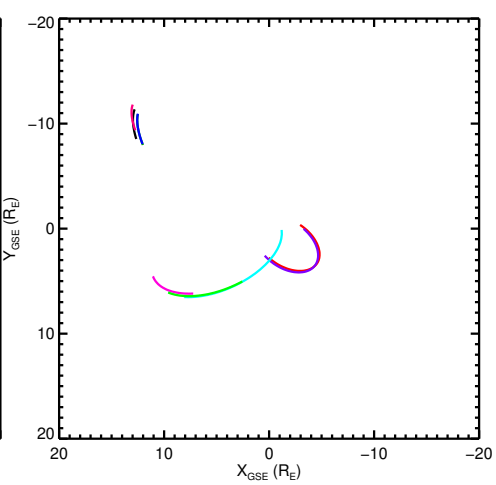


(b) 0520UT to 1205UT
ade cly cvw fhw hok kap kod ksr

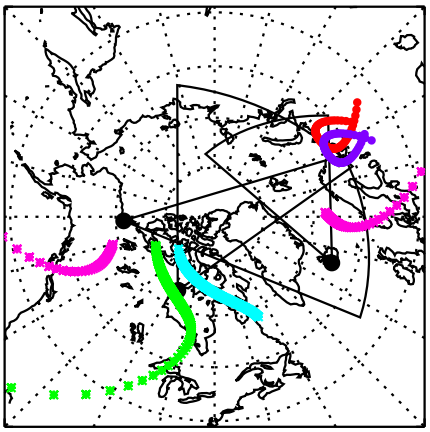


bpk unw

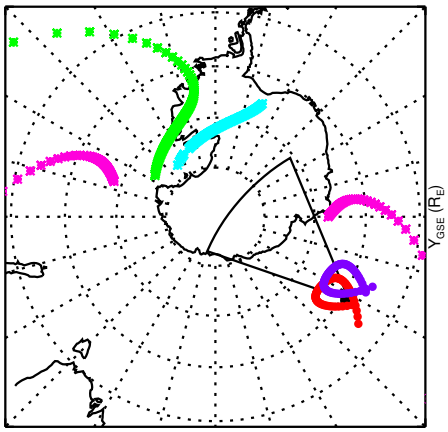


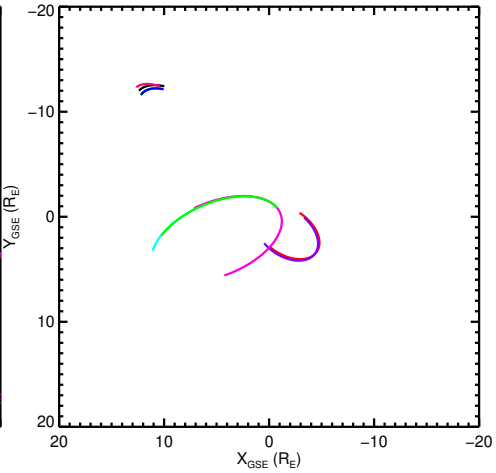


(c) 1420UT to 2105UT
inv pyk rkn

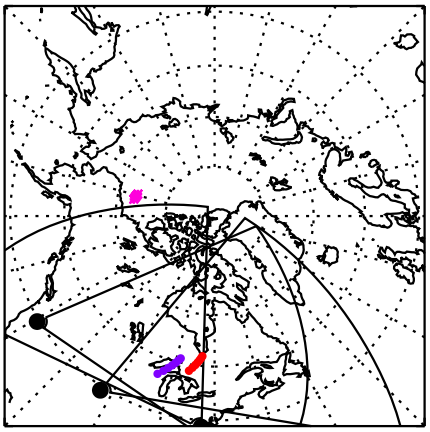


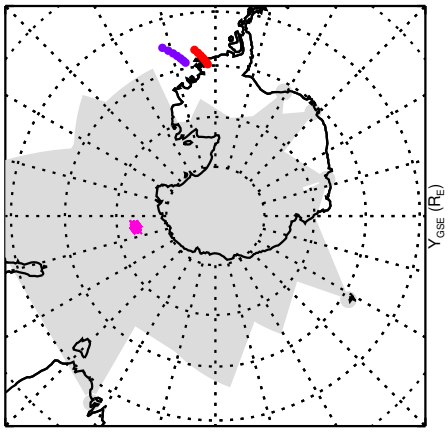
ker

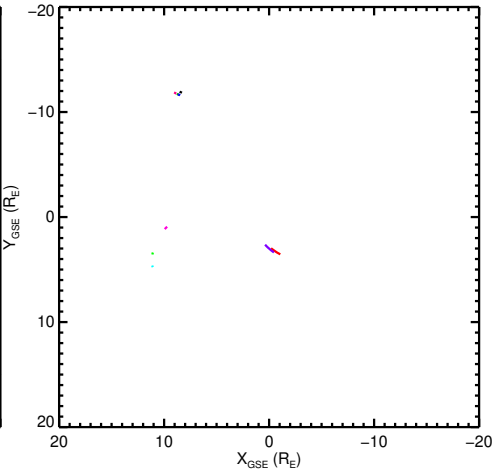




(d) 2325UT to 2355UT
bks cve fhe



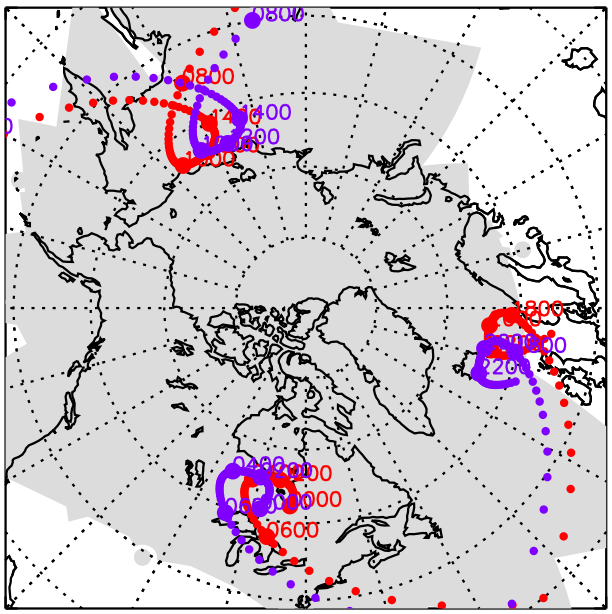


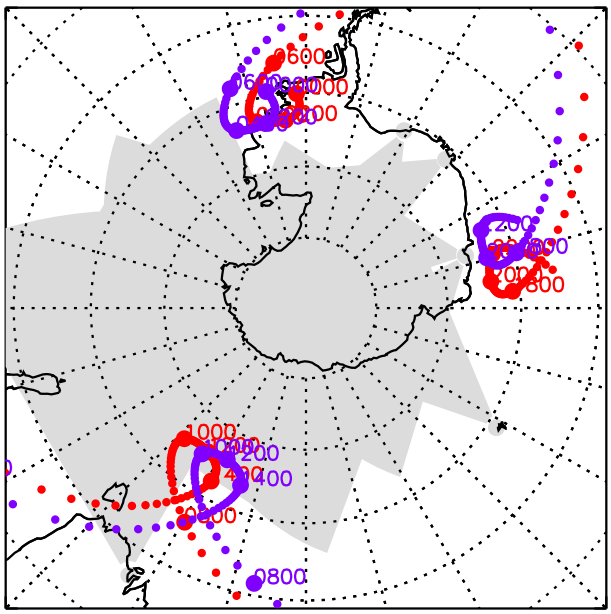


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

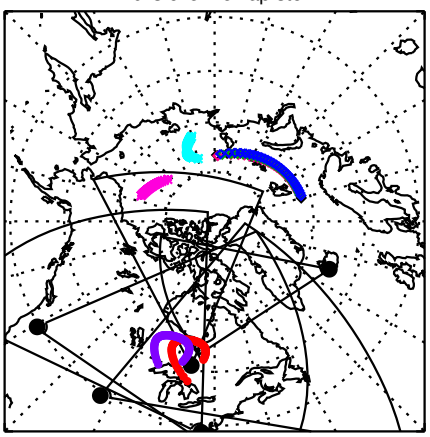
14–Apr–2015

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

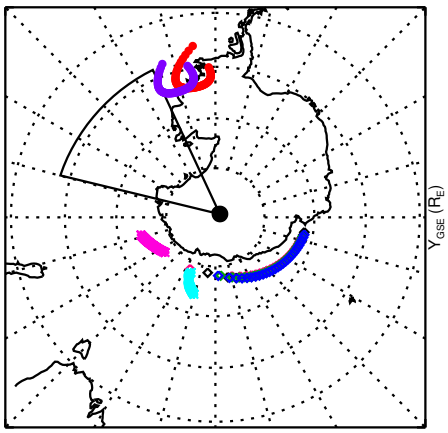


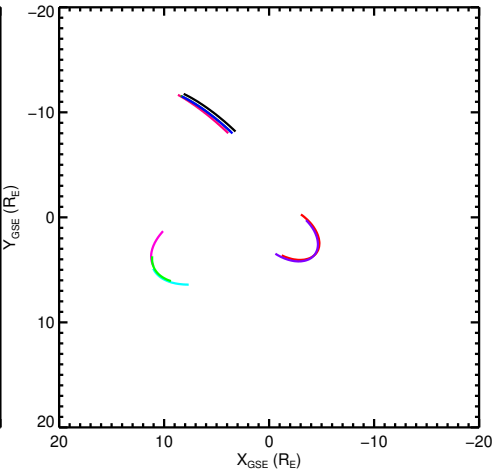


(a) 0000UT to 0600UT
bks cve fhe kap sto

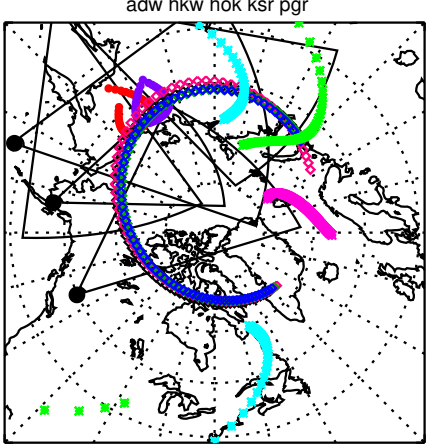


dce

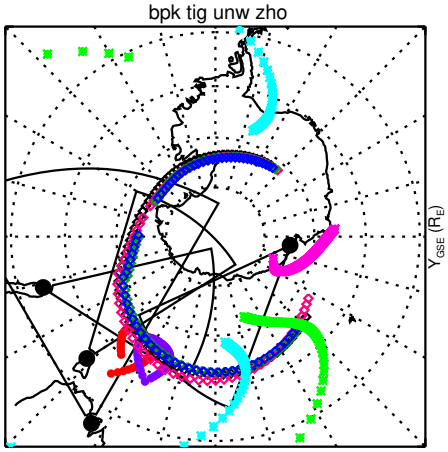


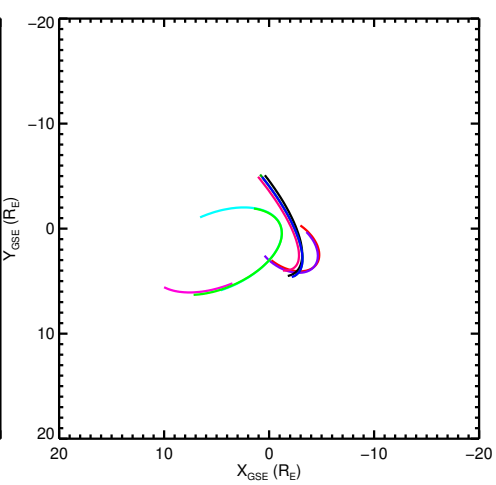


(b) 0825UT to 1500UT
adw hkw hok ksr pgr

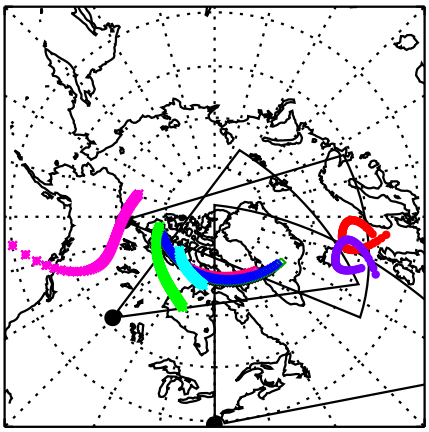


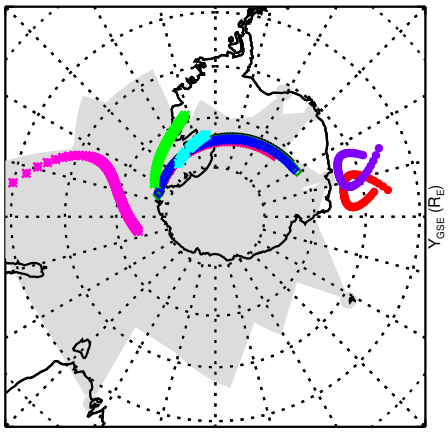
bpk tig unw zho

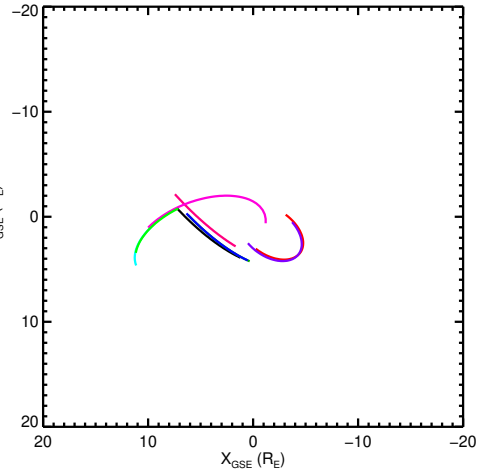




(c) 1725UT to 2355UT
inv sas wal



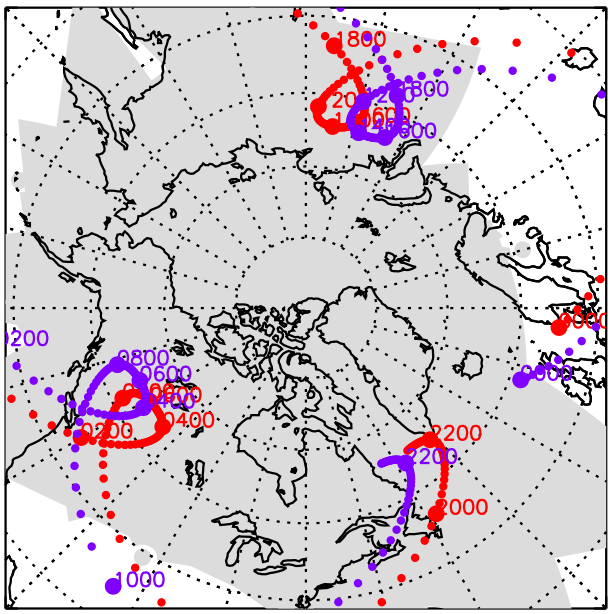


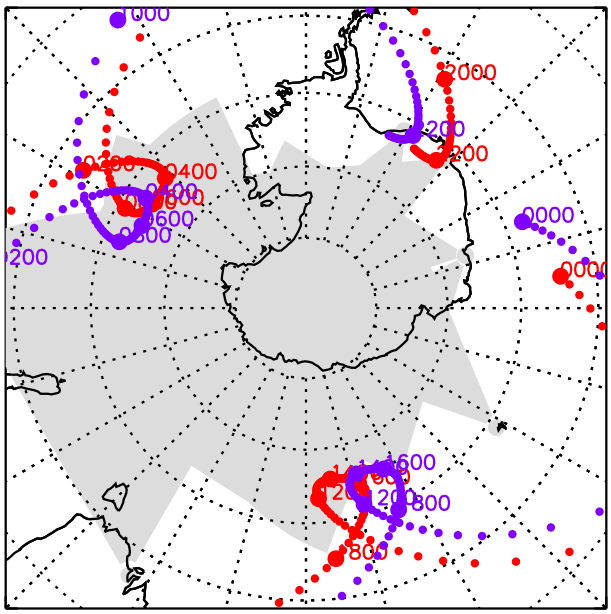


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

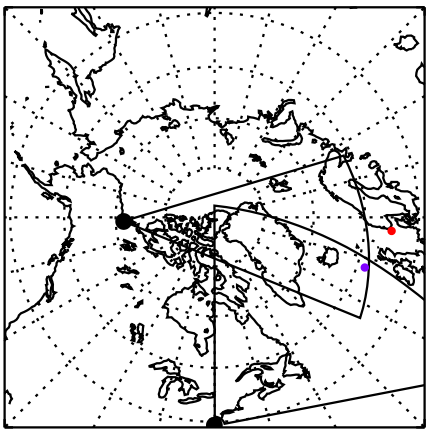
15–Apr–2015

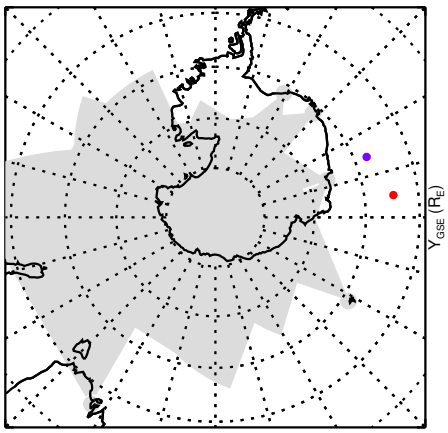
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

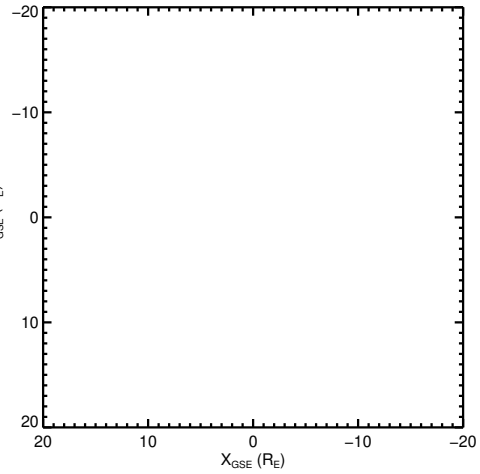




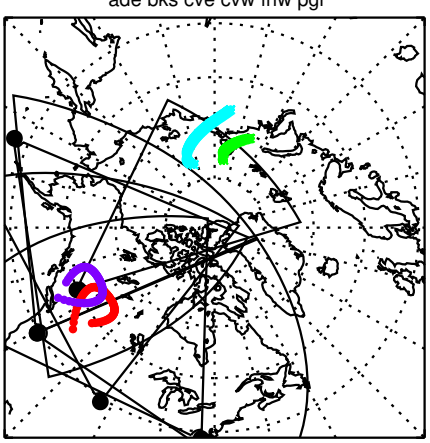
(a) 0000UT to 0000UT
inv wal



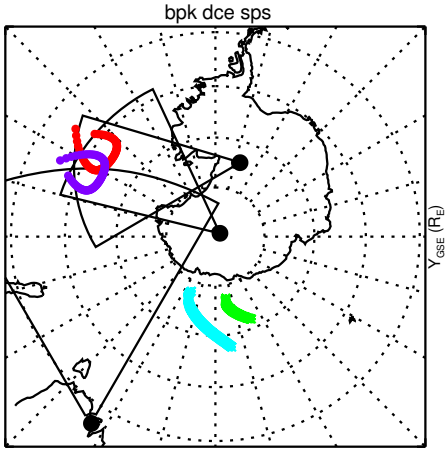


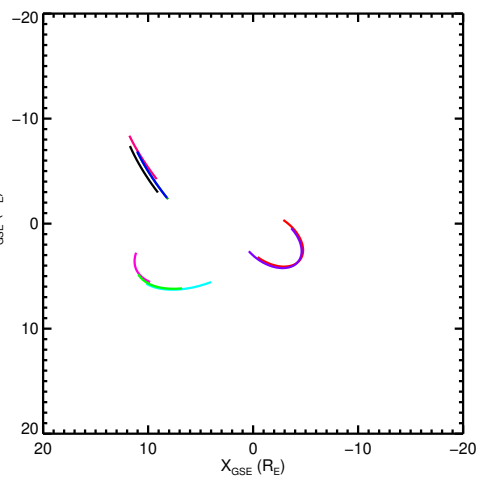


(b) 0230UT to 0900UT
ade bks cve cvw fhw pgr

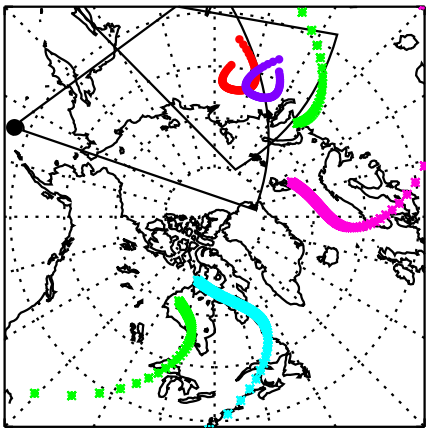


bpk dce sps

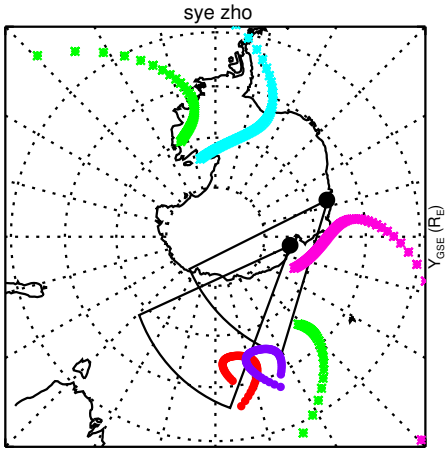


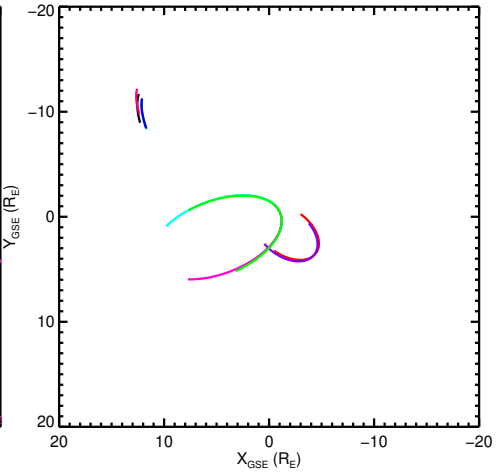


(c) 1130UT to 1755UT
adw hkw

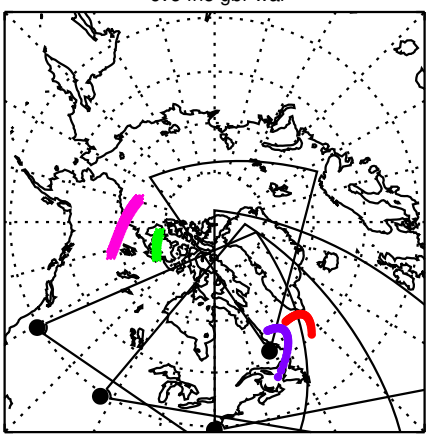


sye zho

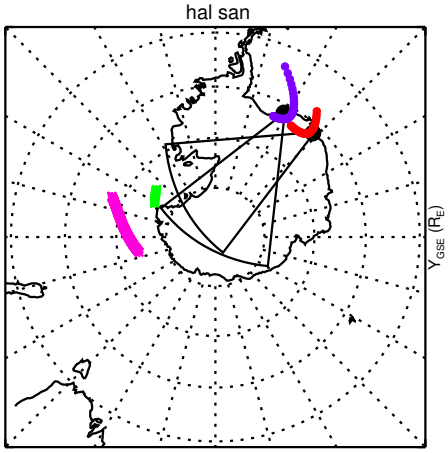


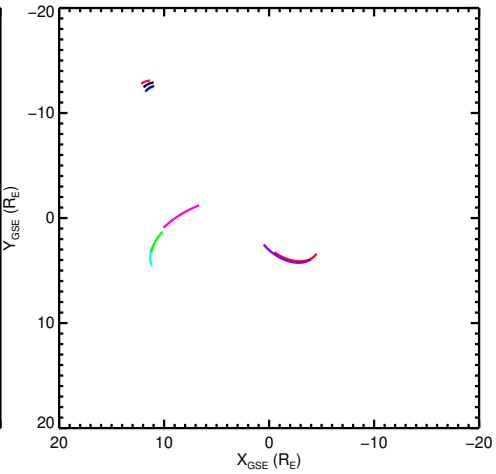


(d) 2030UT to 2355UT
cve fhe gbr wal



hal san

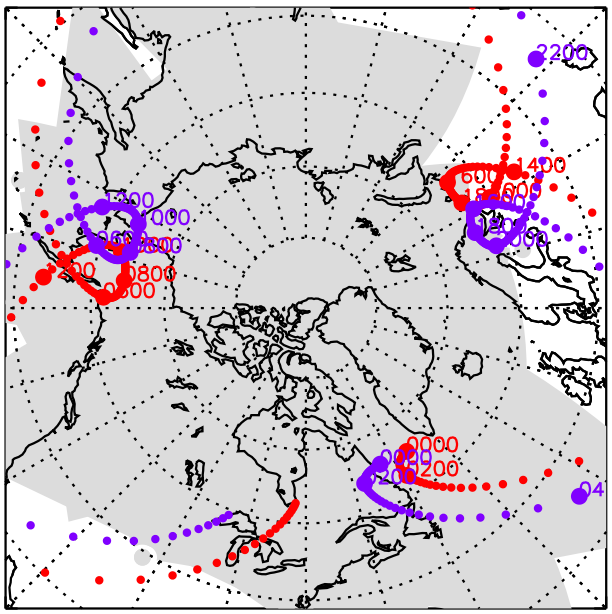


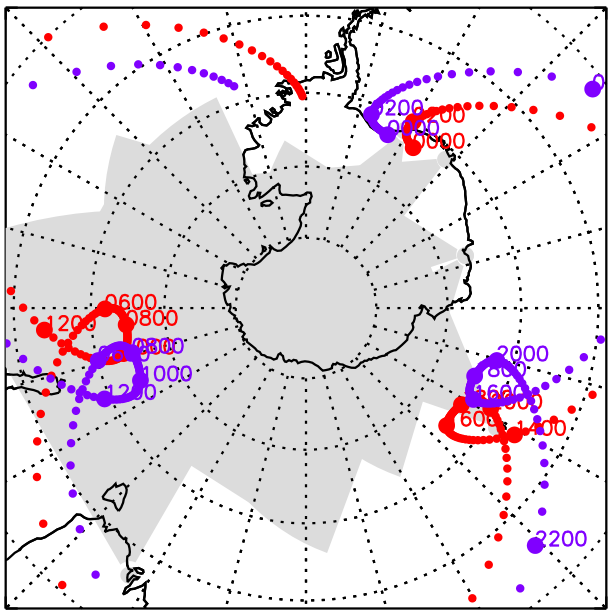


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

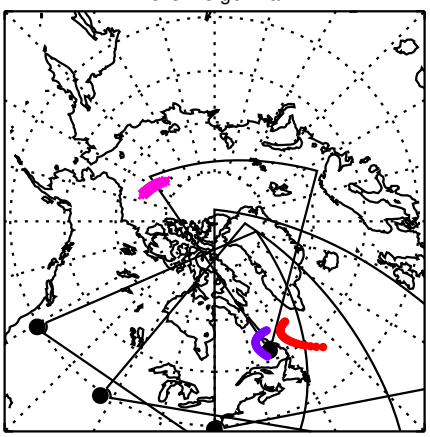
16–Apr–2015

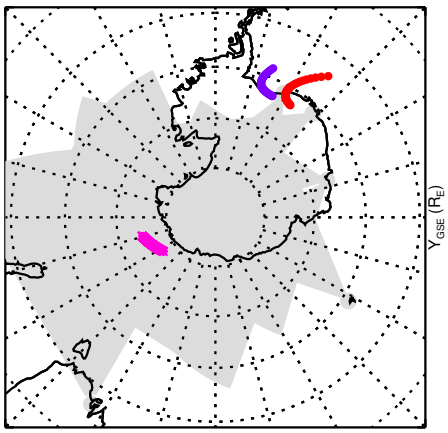
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

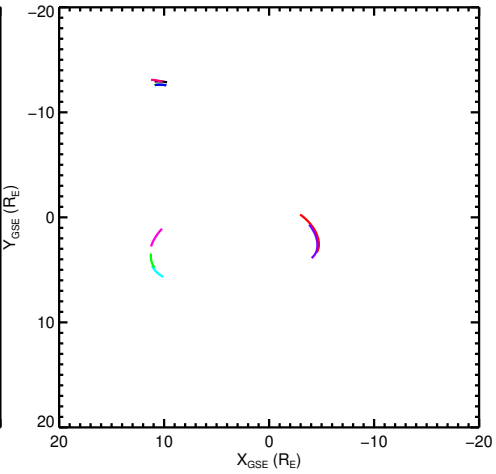




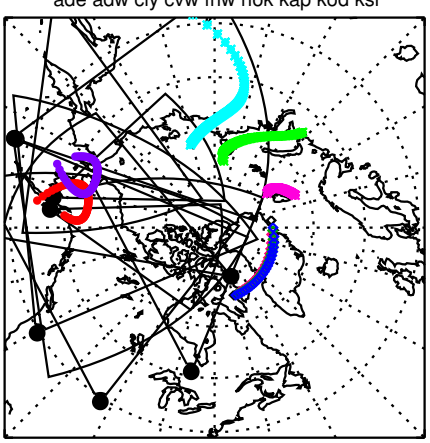
(a) 0000UT to 0255UT
cve fhe gbr wal



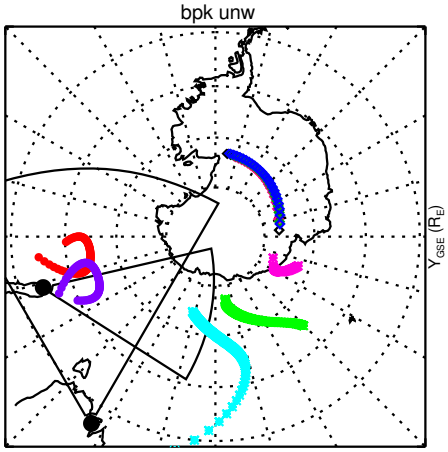


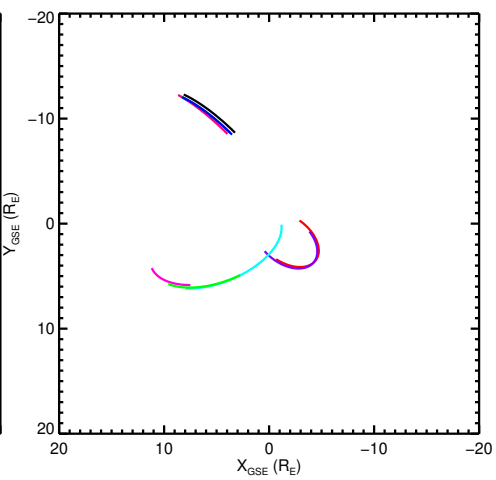


(b) 0535UT to 1155UT
ade adw cly cvw fhw hok kap kod ksr



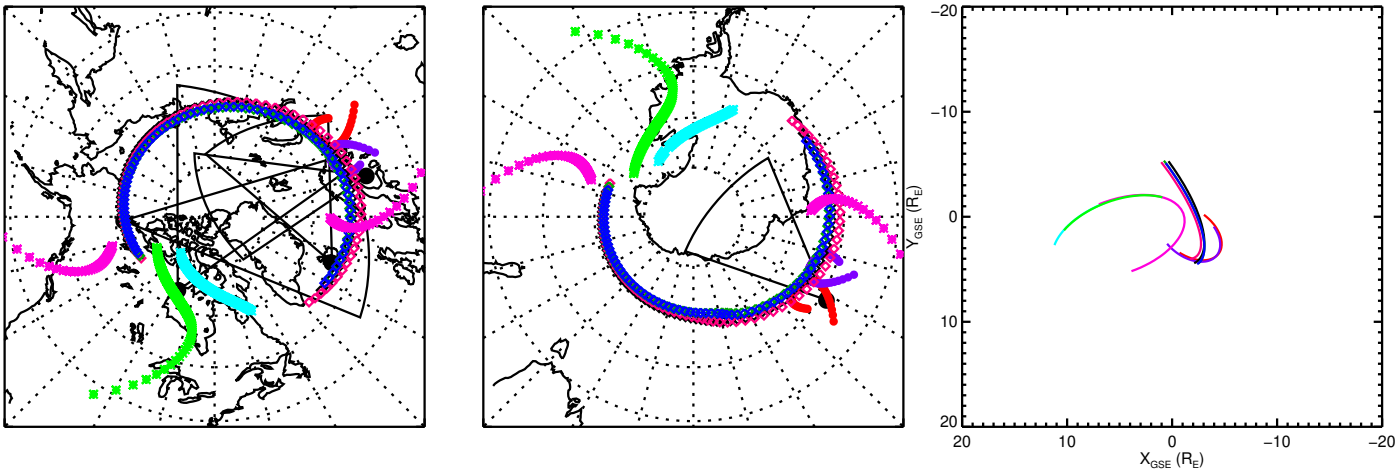
bpk unw



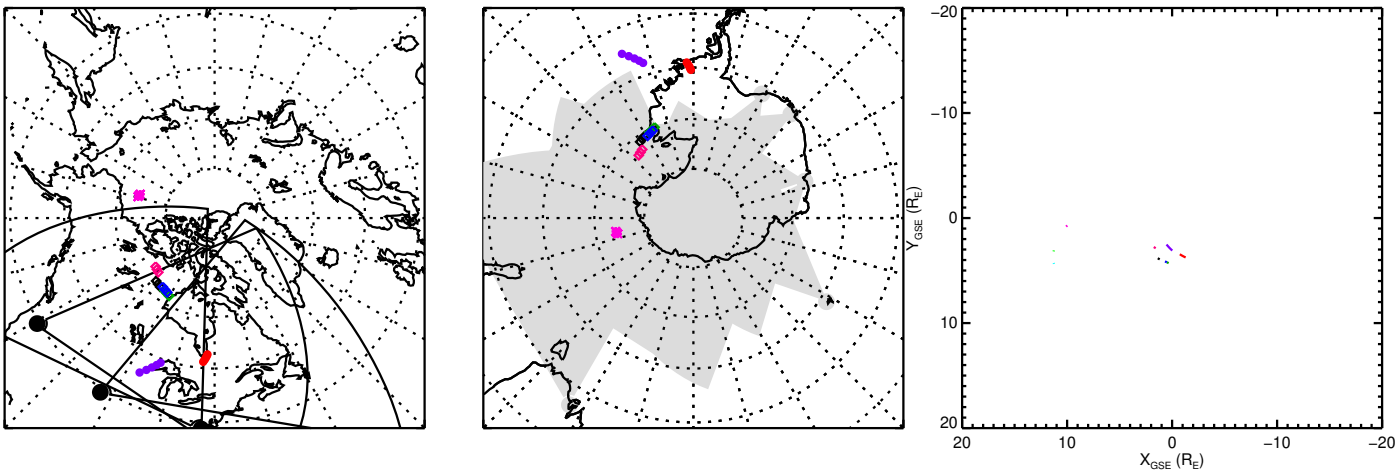


(c) 1435UT to 2050UT
han inv pyk rkn

ker



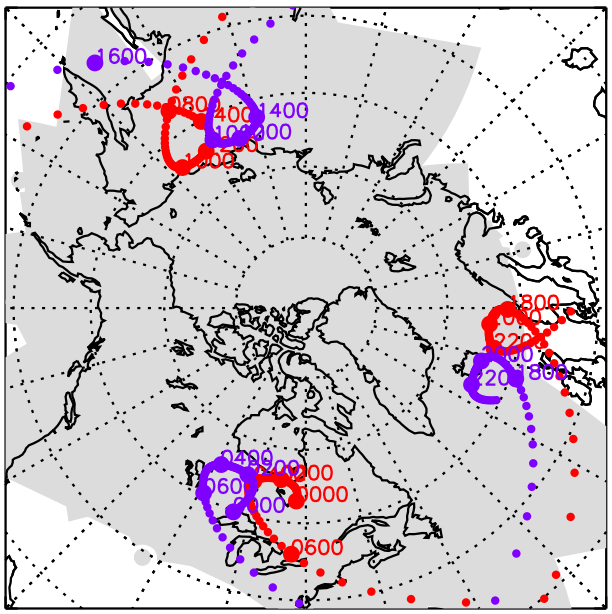
(d) 2335UT to 2355UT
bks cve fhe

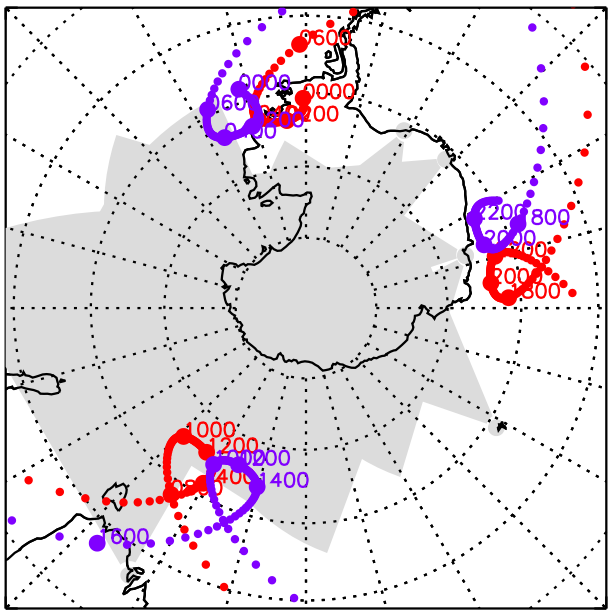


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

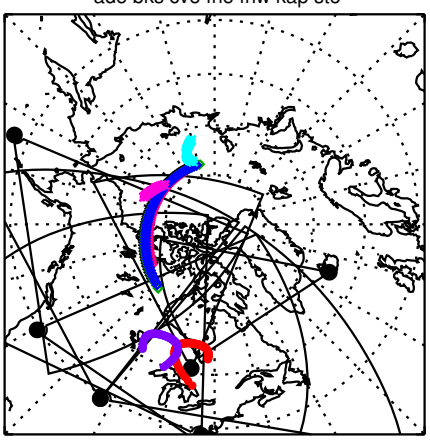
17−Apr−2015

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

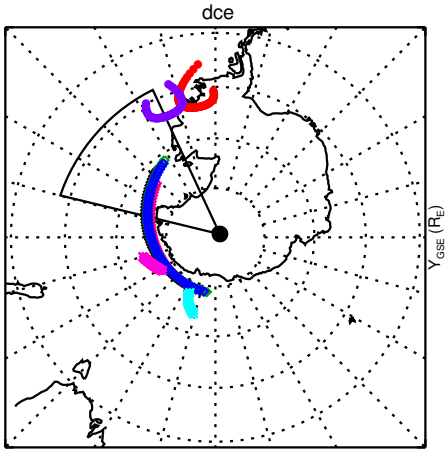


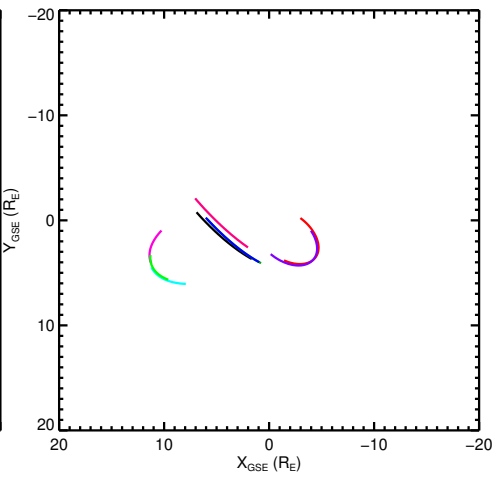


(a) 0000UT to 0550UT
ade bks cve fhe fhw kap sto

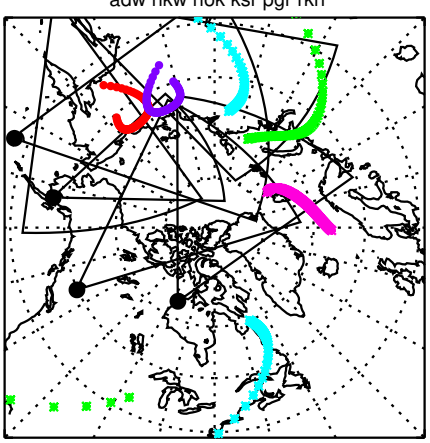


dce

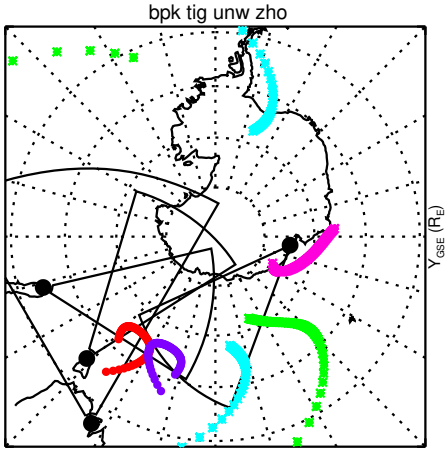


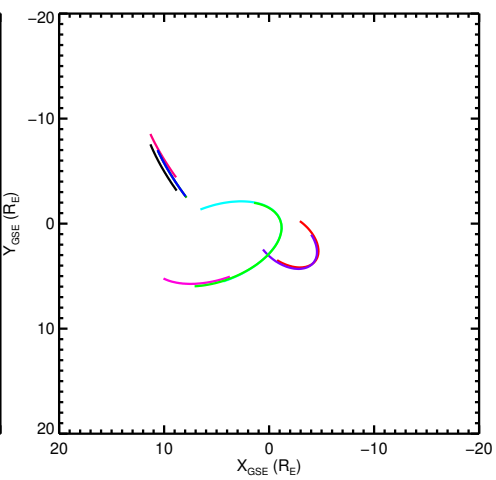


(b) 0835UT to 1450UT
adw hkw hok ksr pgr rkn

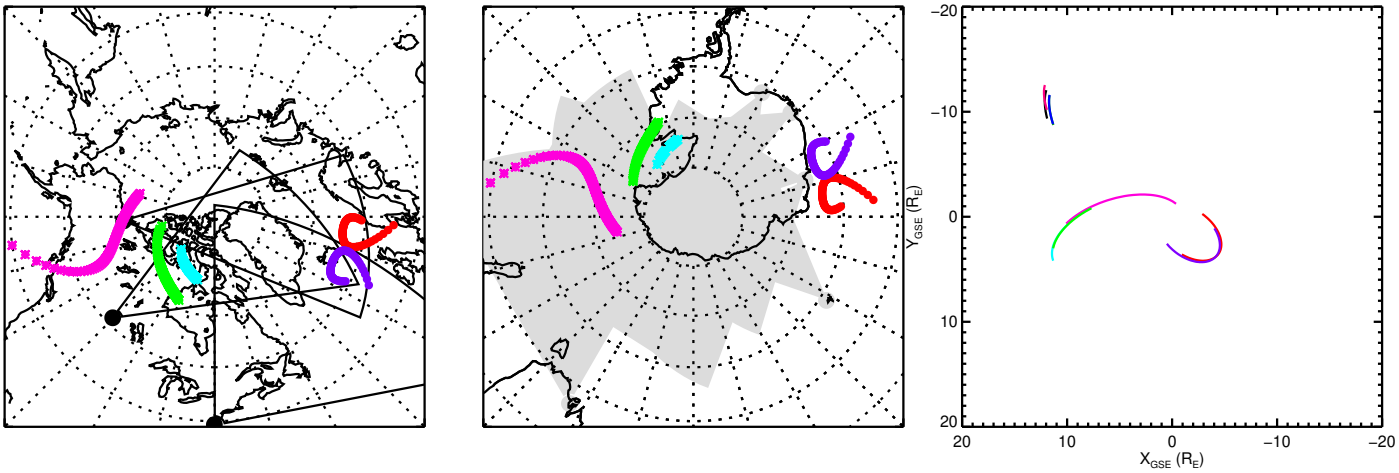


bpk tig unw zho





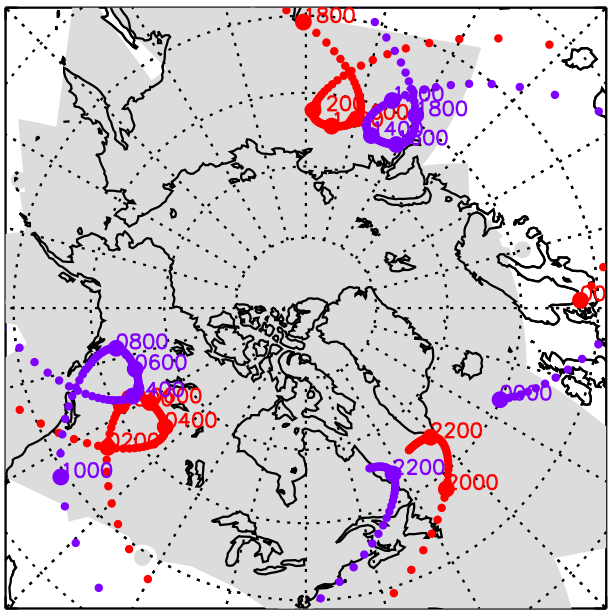
(c) 1740UT to 2350UT
inv sas wal

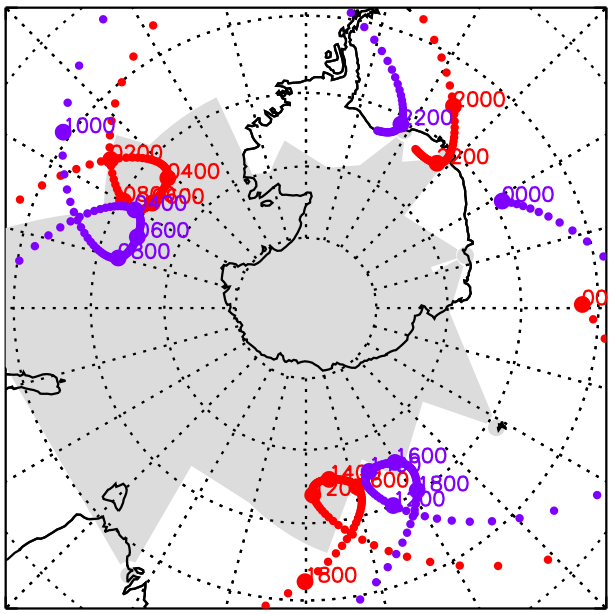


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

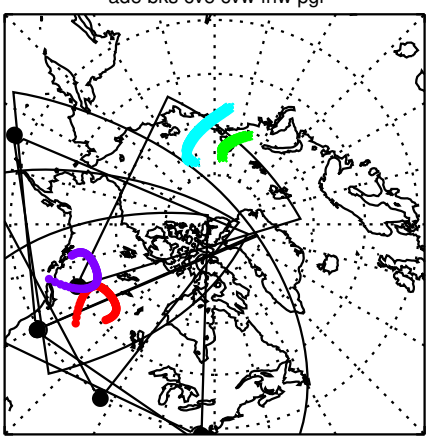
18–Apr–2015

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

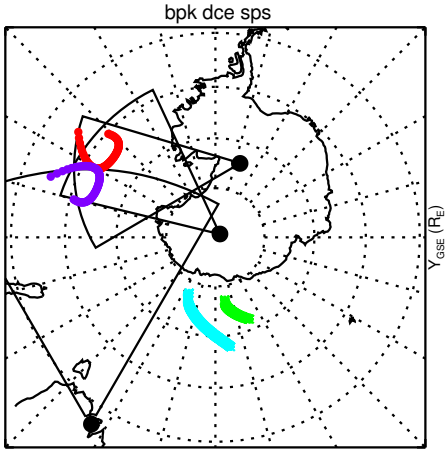


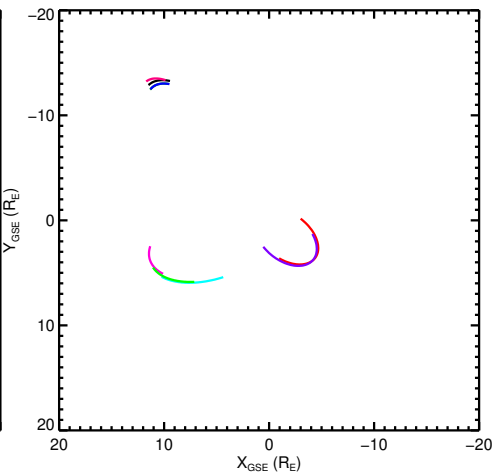


(a) 0240UT to 0845UT
ade bks cve cvw fhw pgr

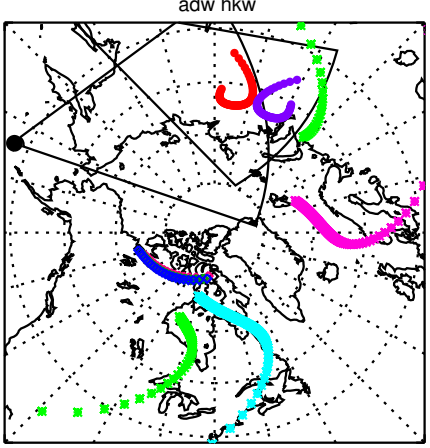


bpk dce sps

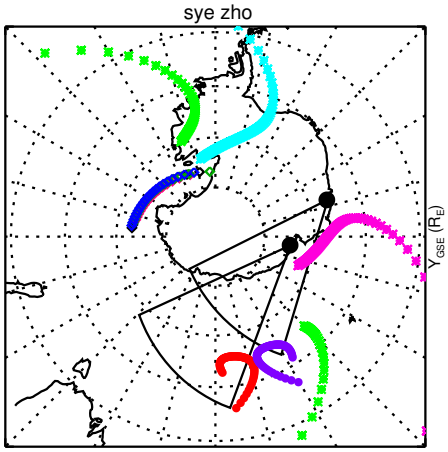


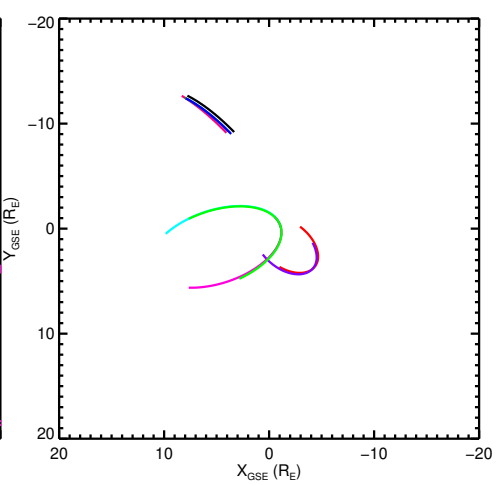


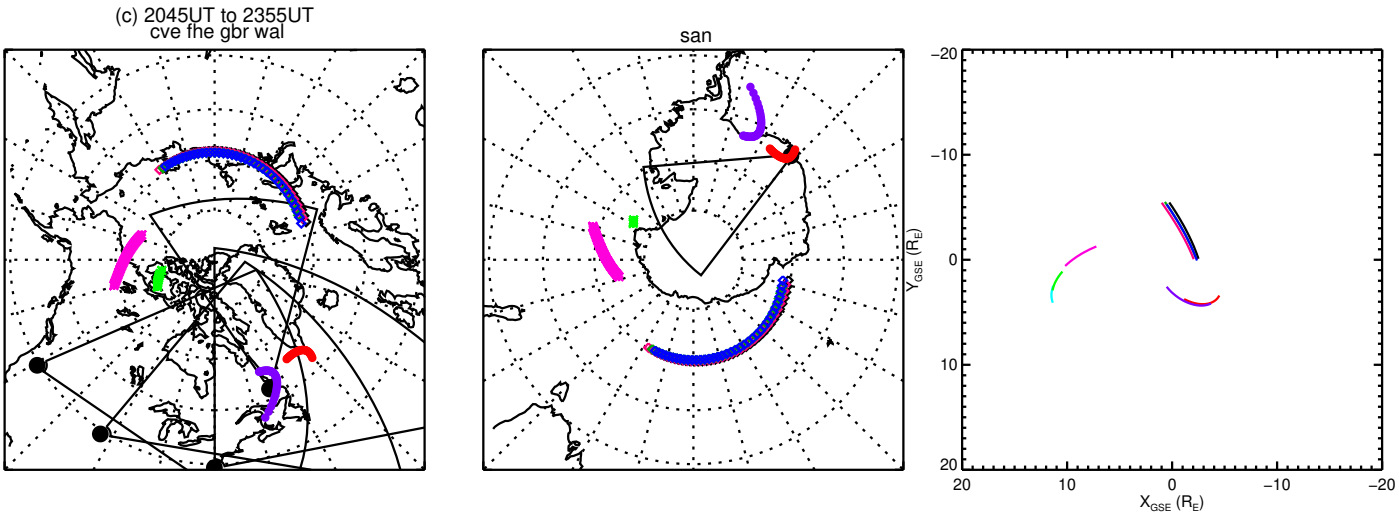
(b) 1140UT to 1745UT
adw hkw



sye zho



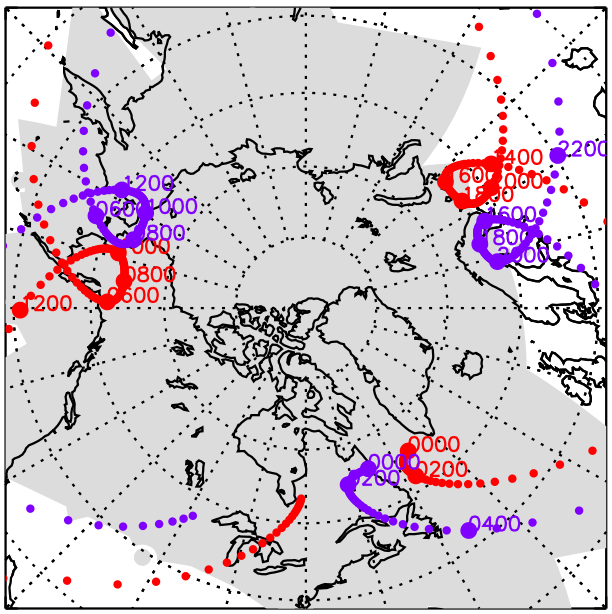


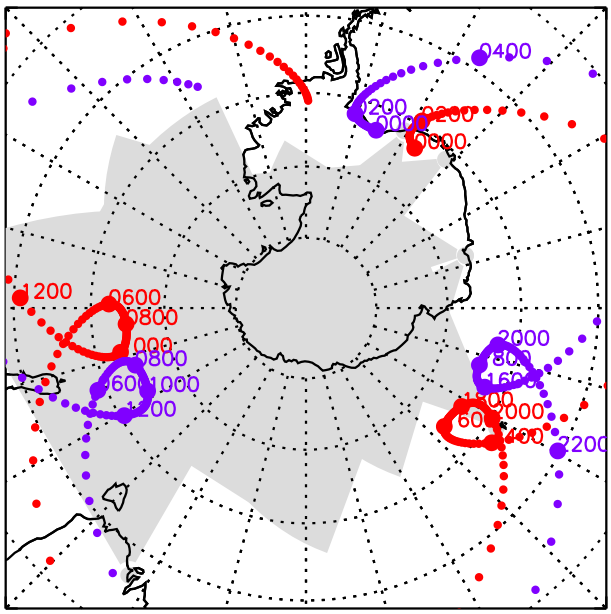

(c) 2045UT to 2355UT
cve fhe gbr wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

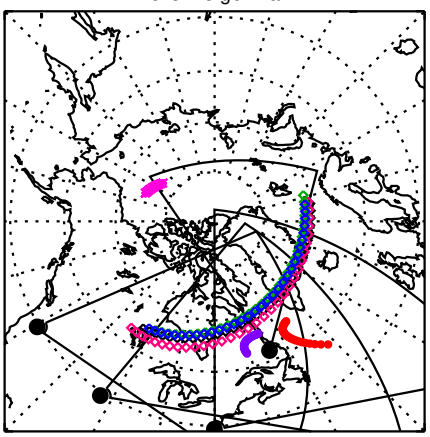
19–Apr–2015

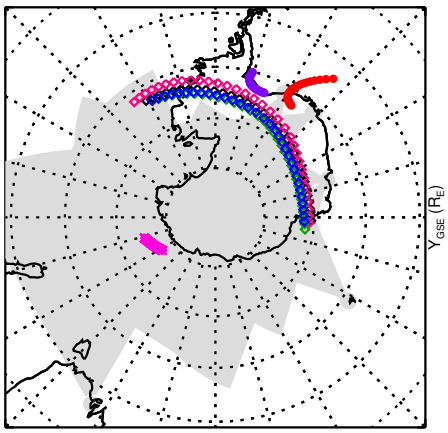
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

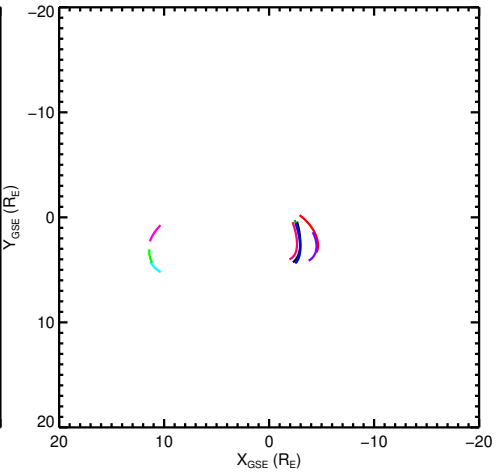




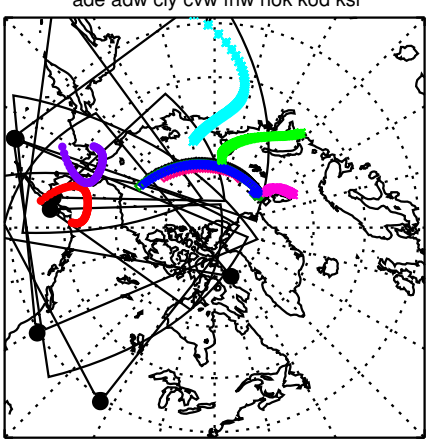
(a) 0000UT to 0245UT
cve fhe gbr wal



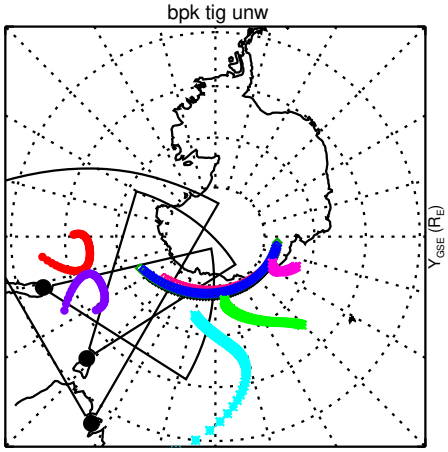


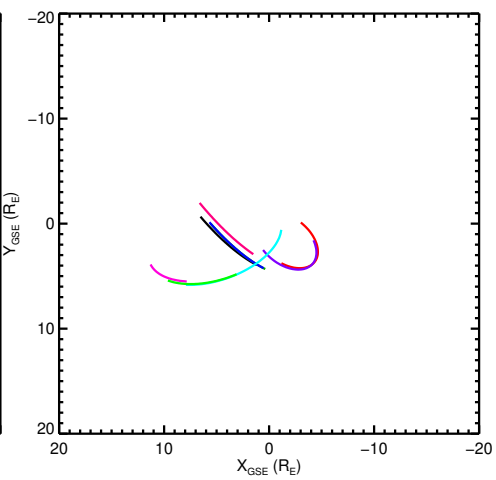


(b) 0545UT to 1140UT
ade adw cly cvw fhw hok kod ksr

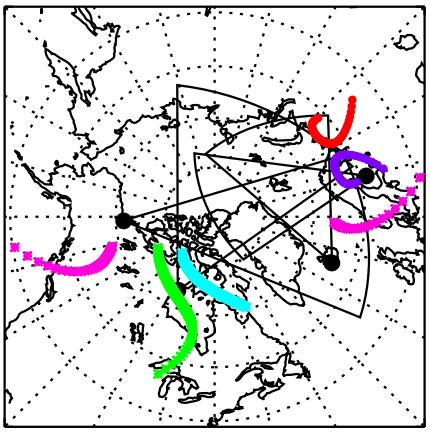


bpk tig unw

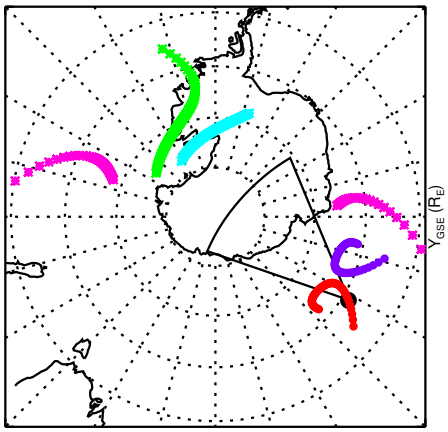


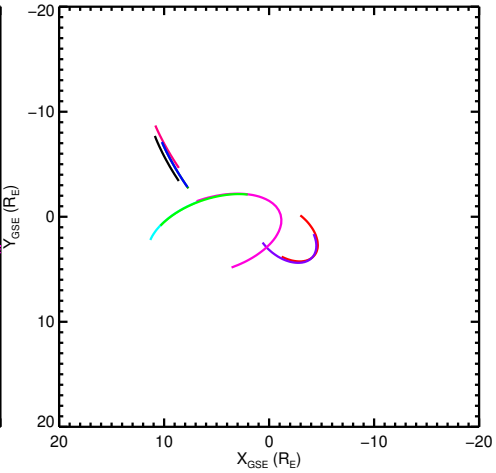


(c) 1445UT to 2040UT
han inv pyk rkn

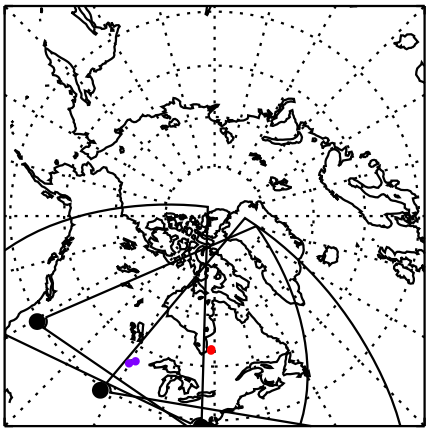


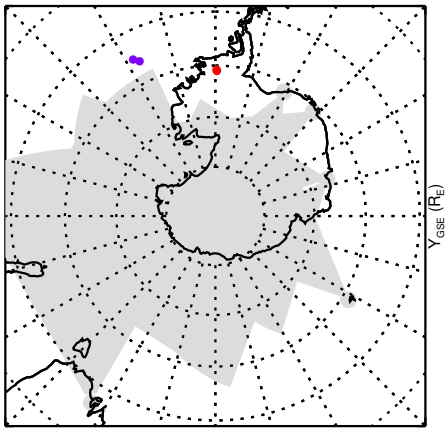
ker

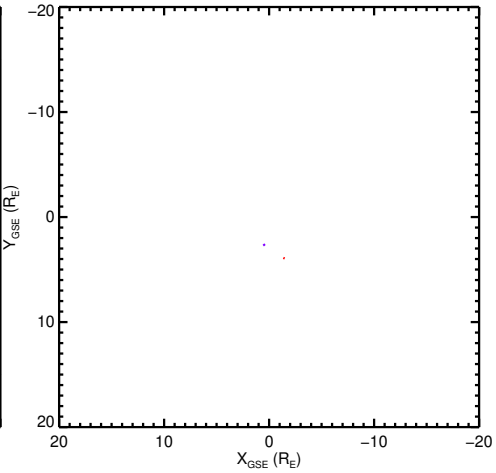




(d) 2350UT to 2355UT
bks cve fhe



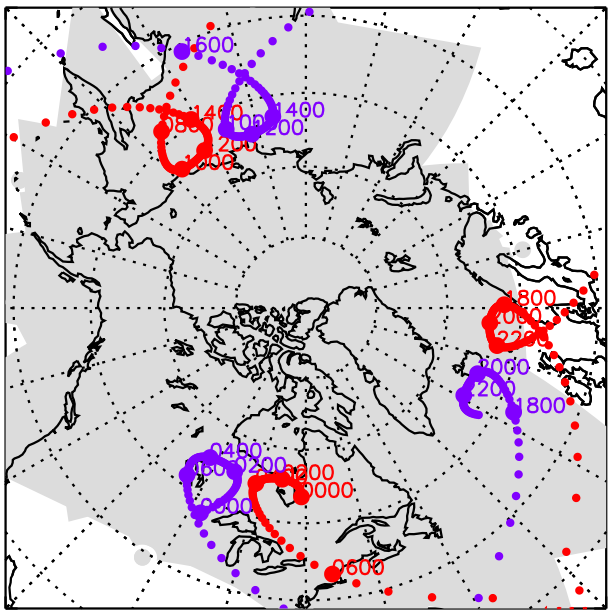


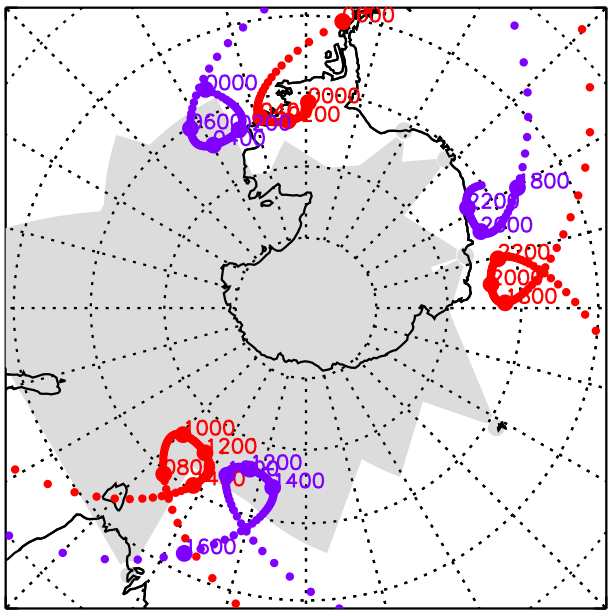


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

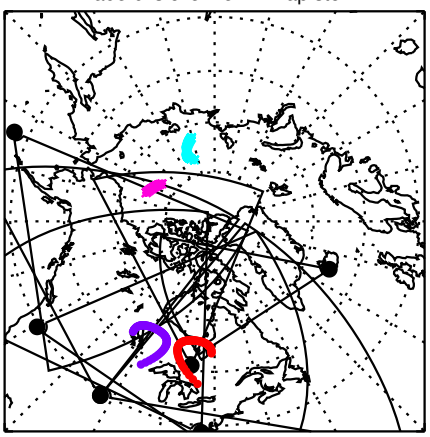
20–Apr–2015

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

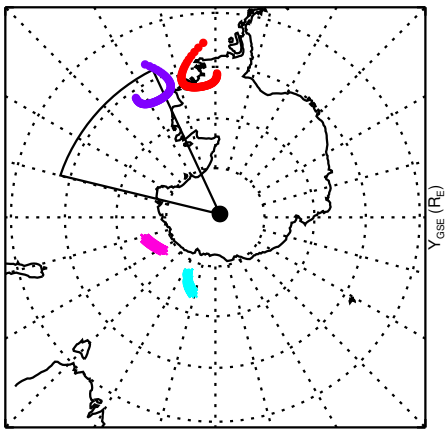


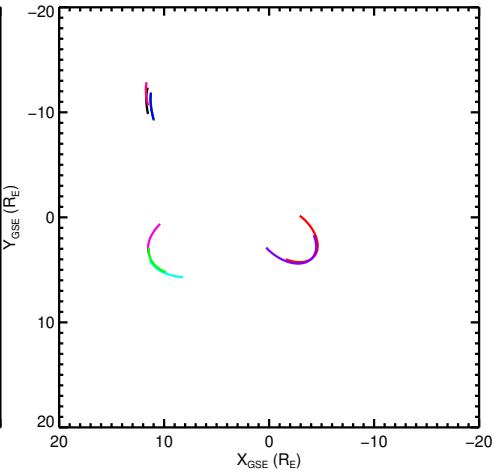


(a) 0000UT to 0540UT
ade bks cve fhe fhw kap sto

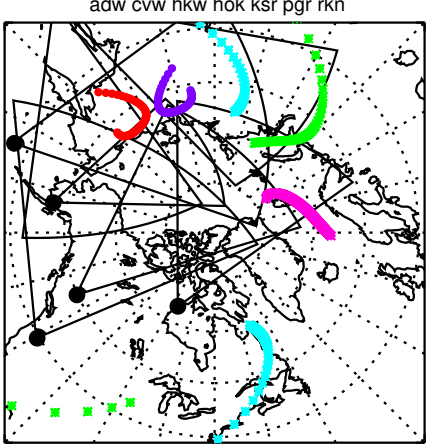


dce

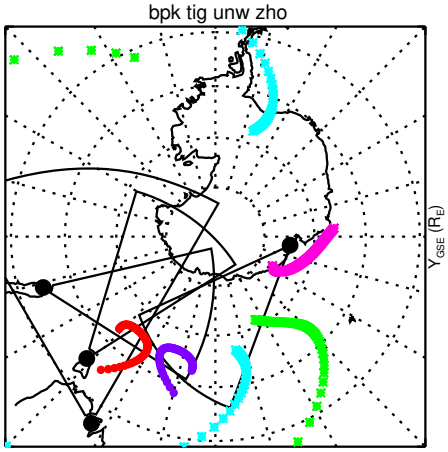


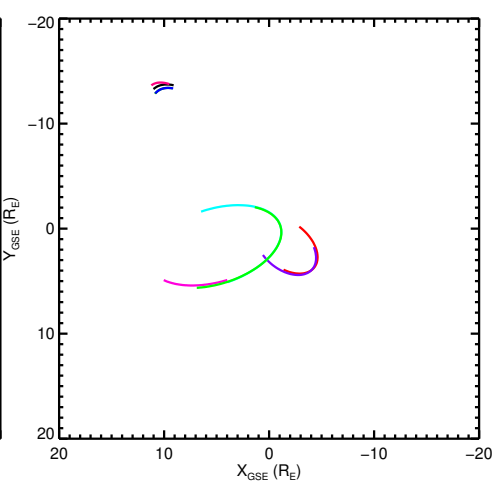


(b) 0850UT to 1440UT
adw cvw hkw hok ksr pgr rkn

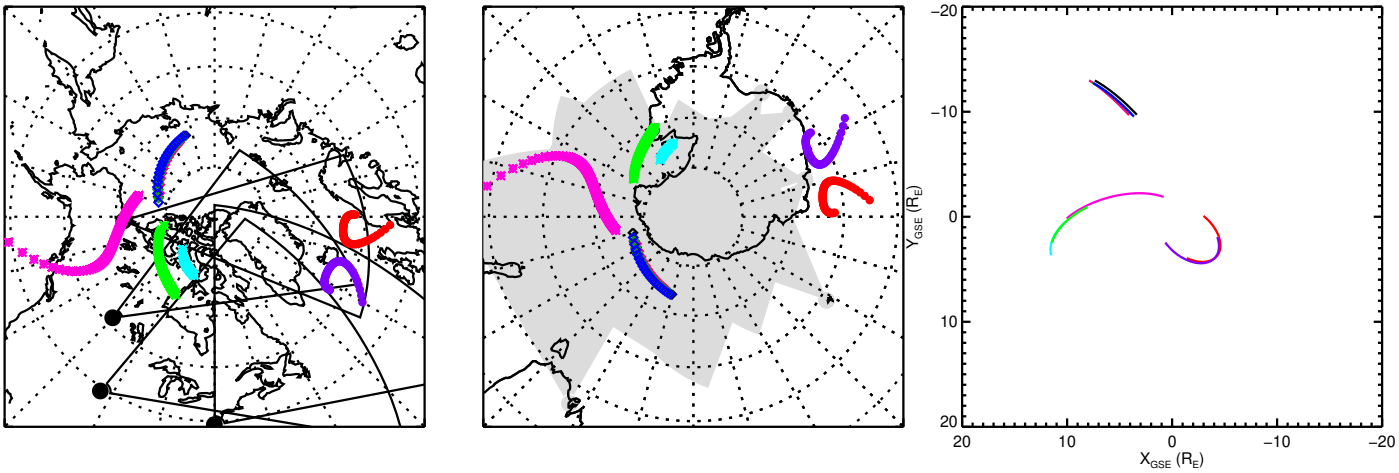


bpk tig unw zho





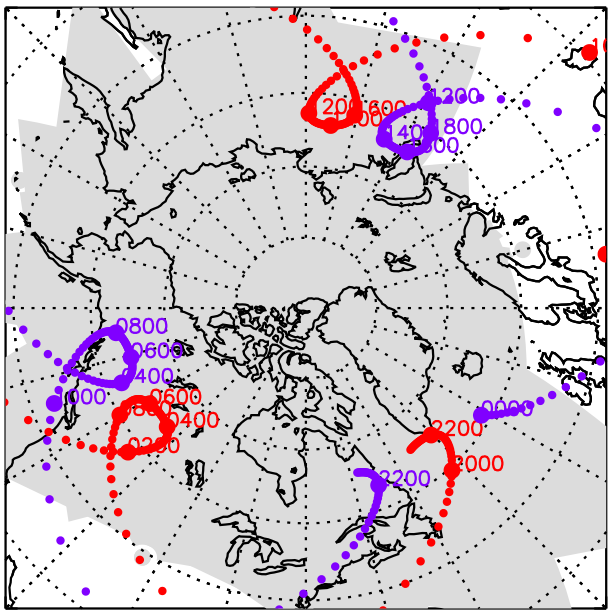
(c) 1750UT to 2335UT
fhe inv sas wal

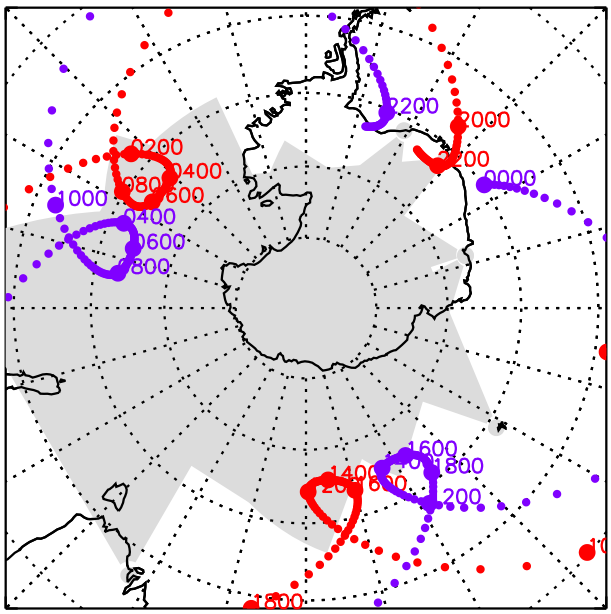


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

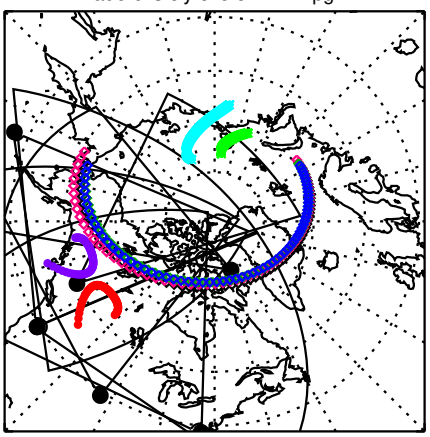
21−Apr−2015

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

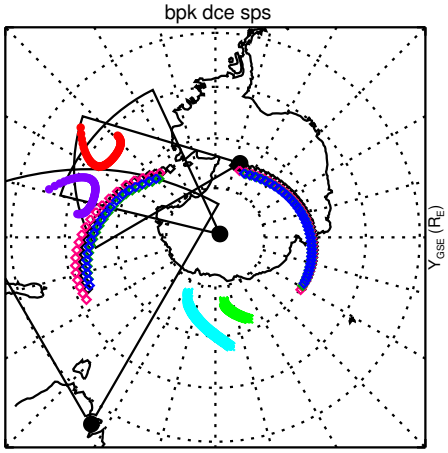


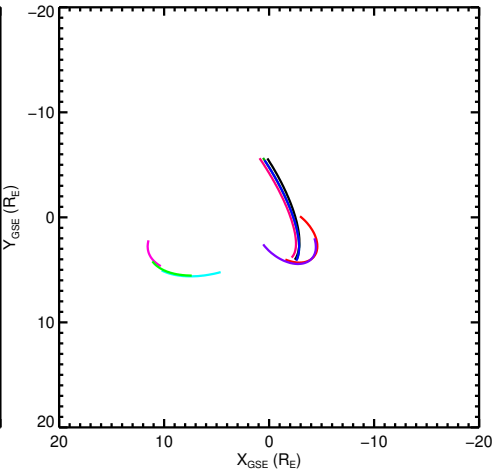


(a) 0255UT to 0835UT
ade bks cly cve cvw fhw pgr

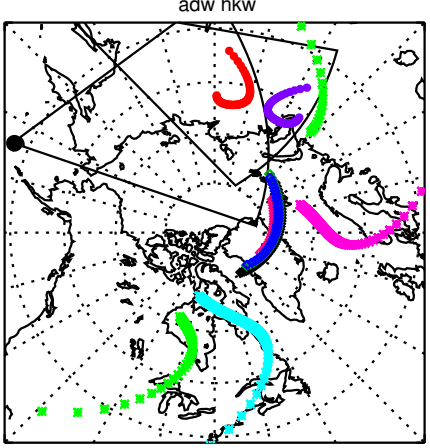


bpk dce sps

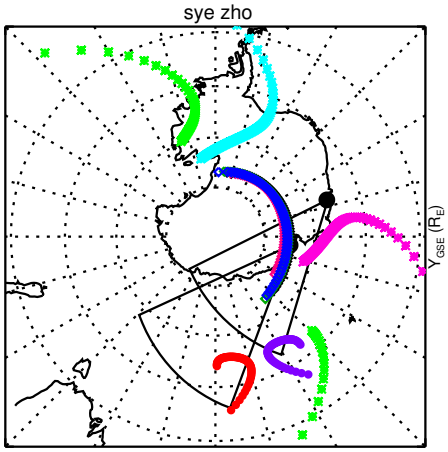


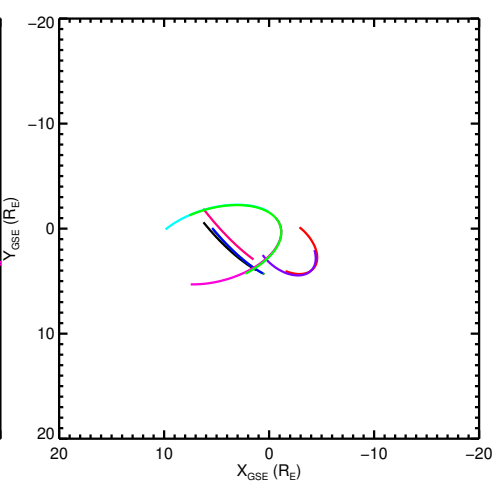


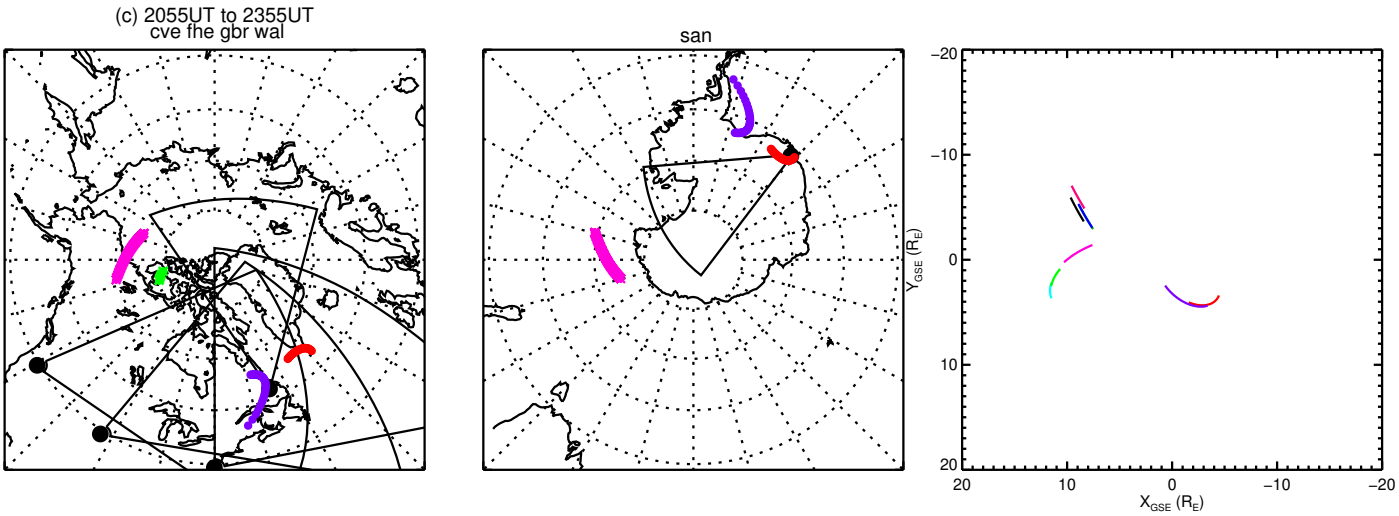
(b) 1155UT to 1735UT
adw hkw



sye zho



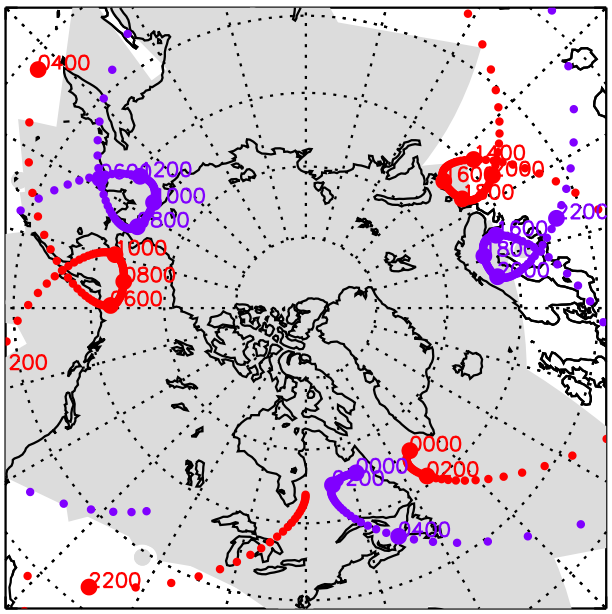


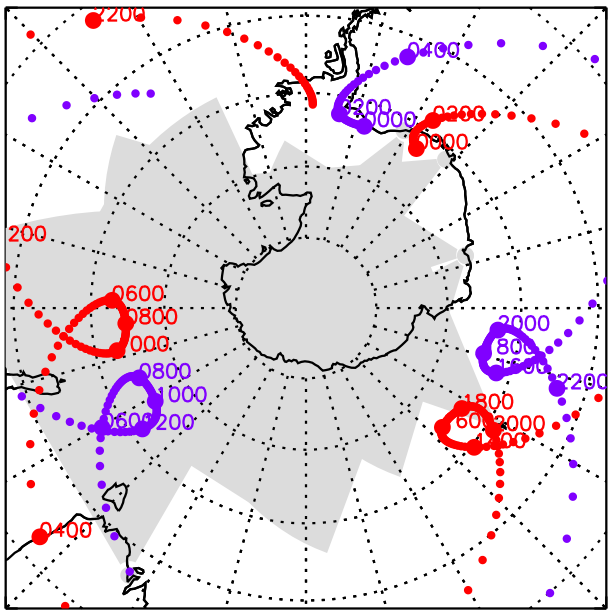

(c) 2055UT to 2355UT
cve fhe gbr wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

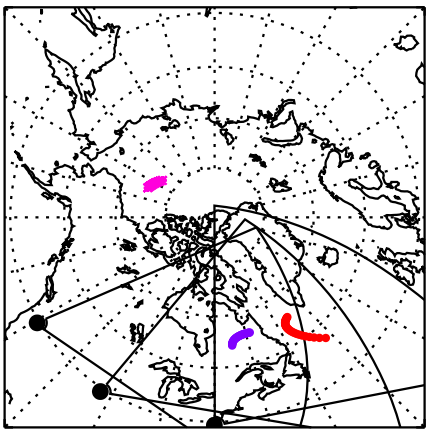
22−Apr−2015

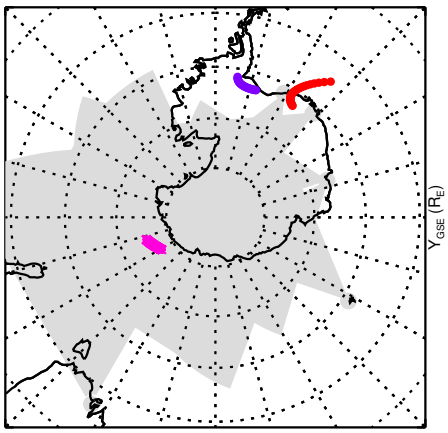
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

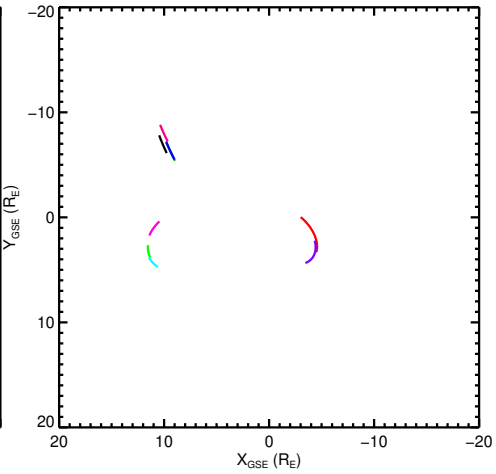




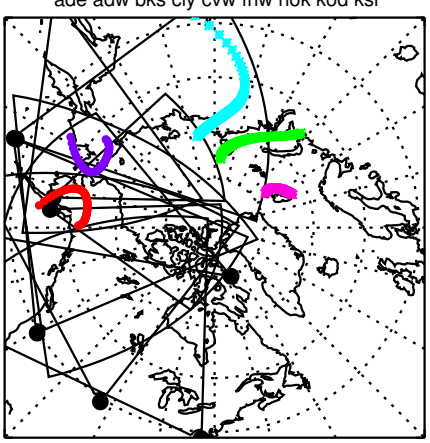
(a) 0000UT to 0230UT
cve fhe wal



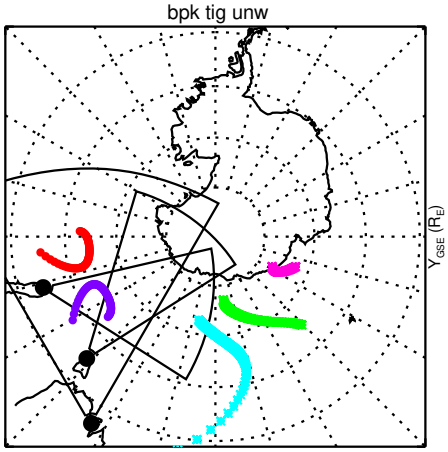


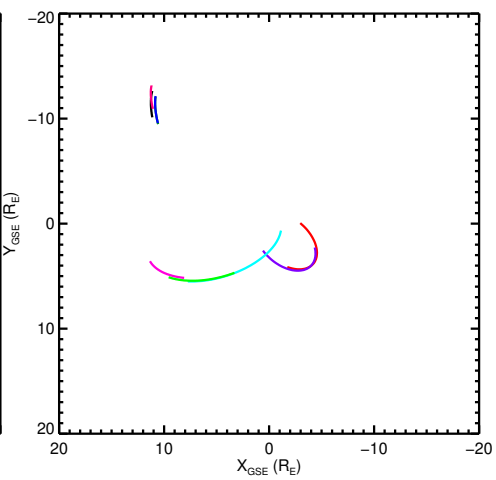


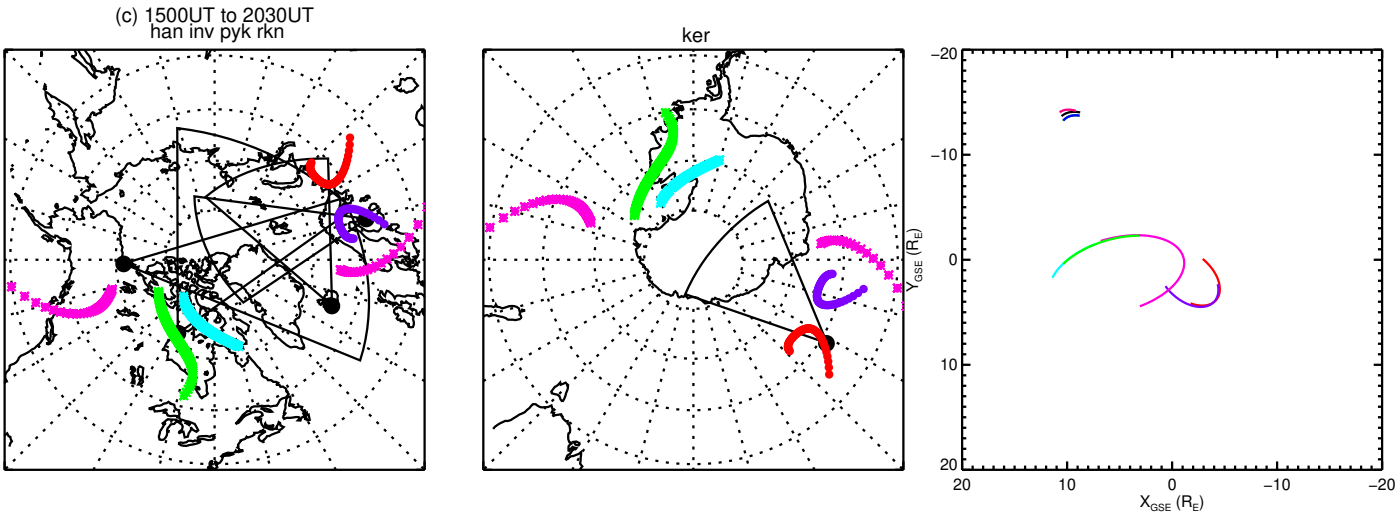
(b) 0600UT to 1130UT
ade adw bks cly cvw fhw hok kod ksr



bpk tig unw



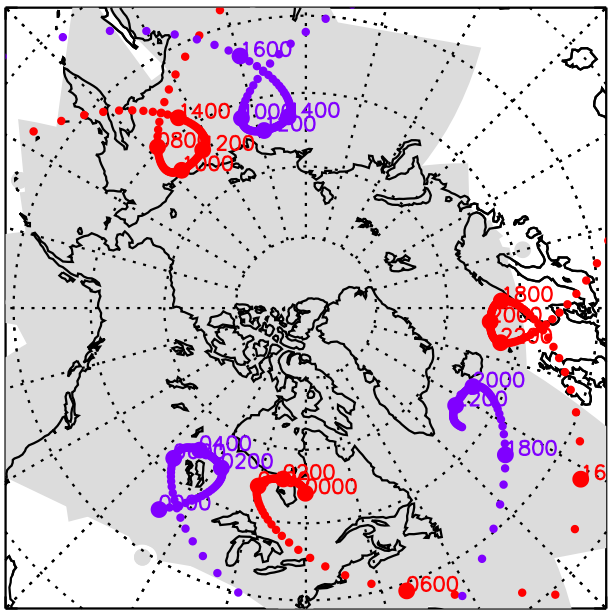


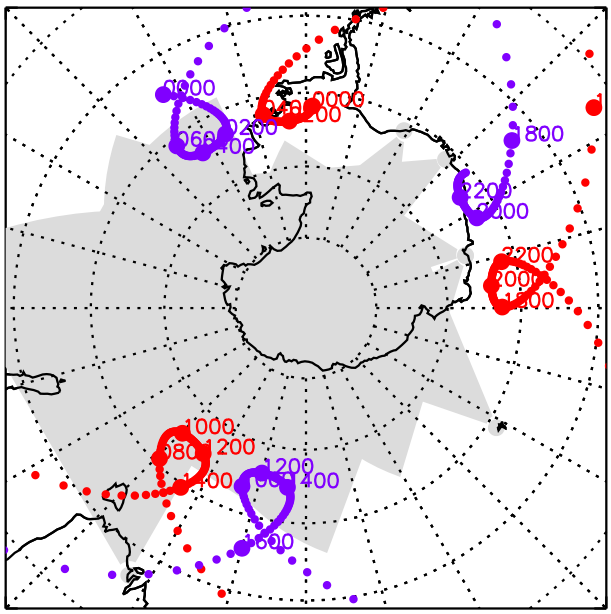

(c) 1500UT to 2030UT
han inv pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

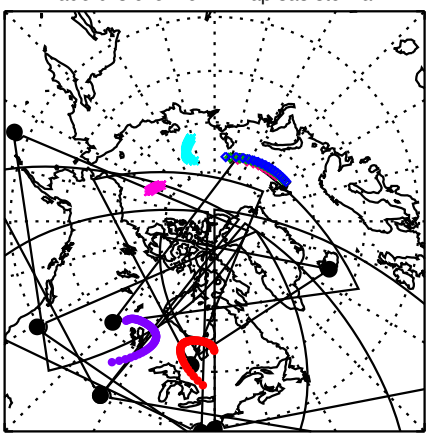
23–Apr–2015

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

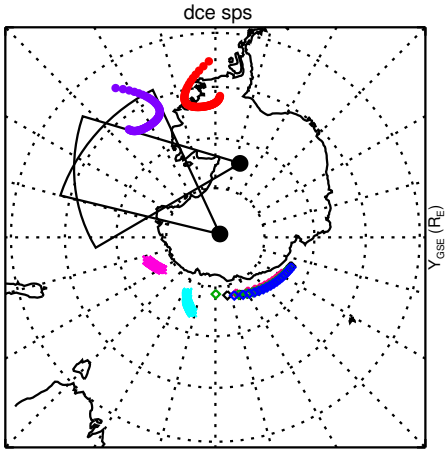


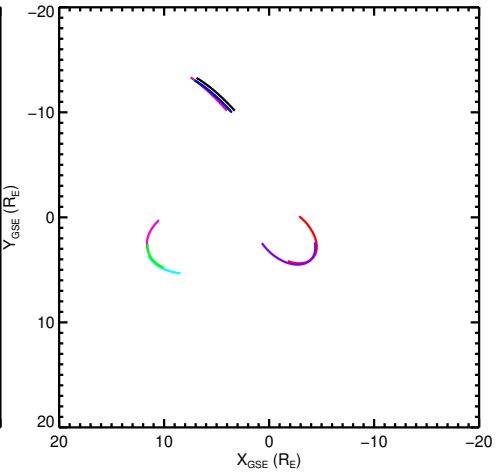


(a) 0000UT to 0530UT
ade bks cve fhe fhw kap sas sto wal

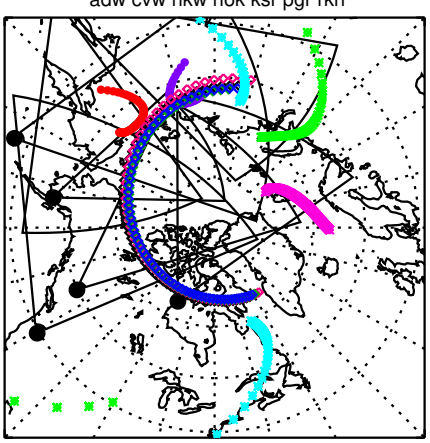


dce sps

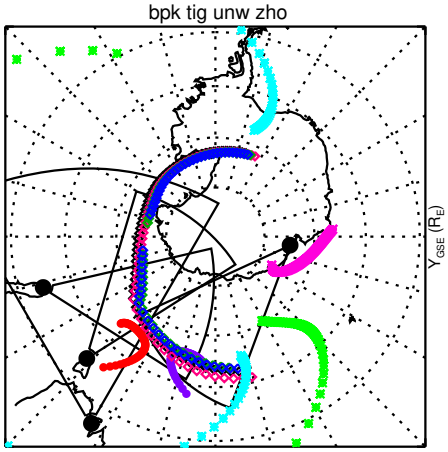


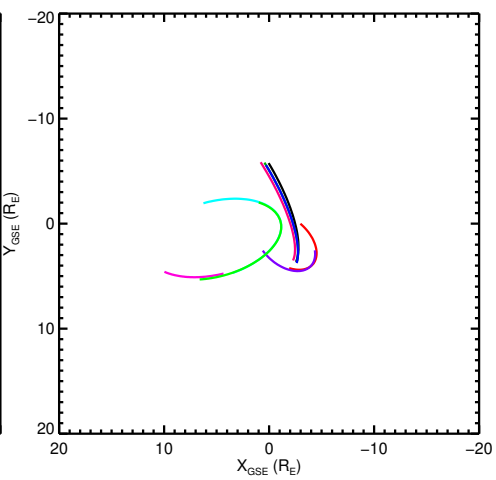


(b) 0905UT to 1425UT
adw cvw hkw hok ksr pgr rkn

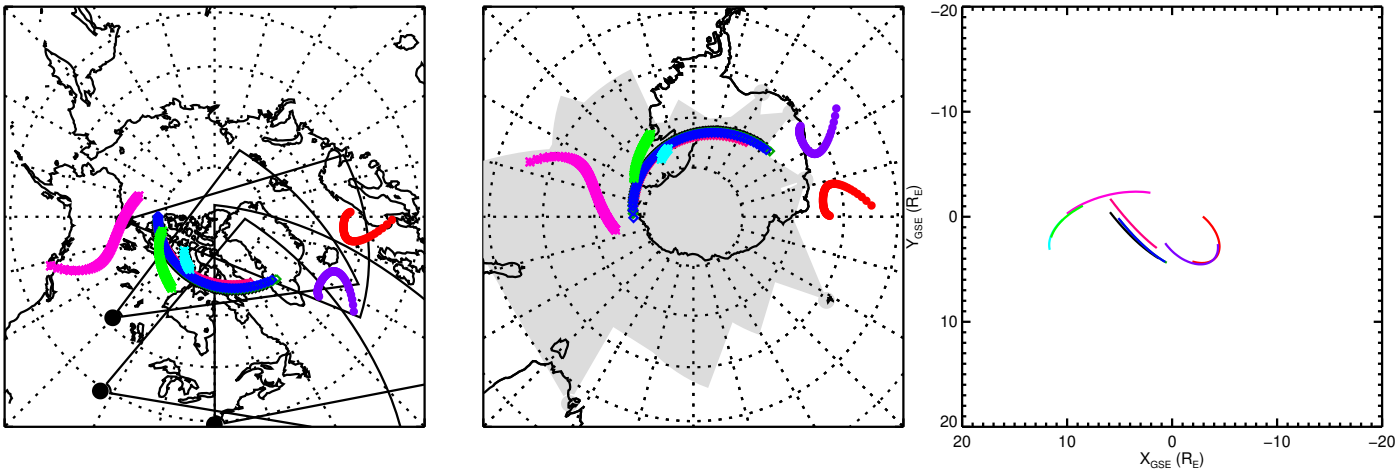


bpk tig unw zho





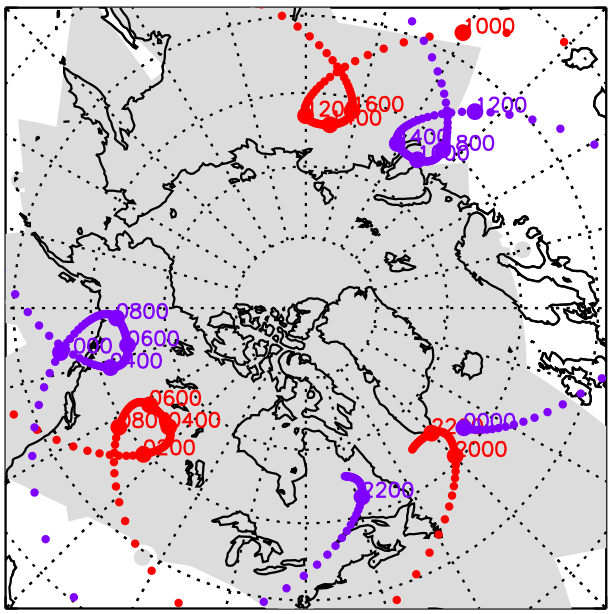
(c) 1805UT to 2325UT
fhe inv sas wal

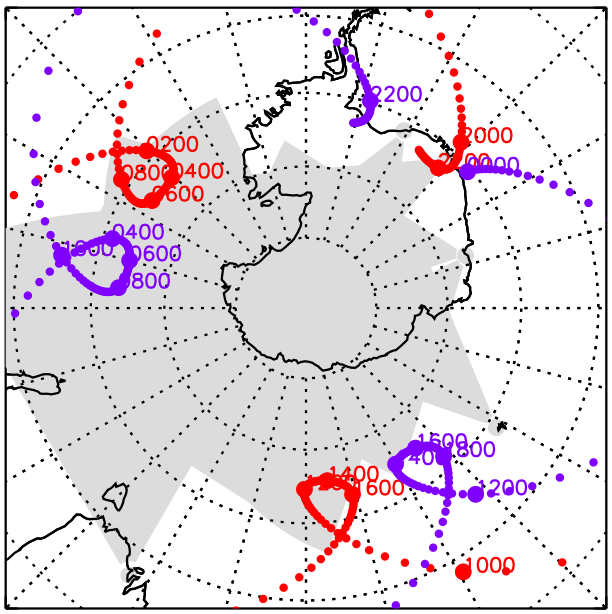


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

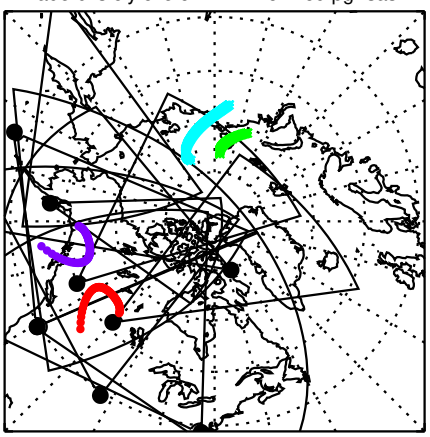
24–Apr–2015

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

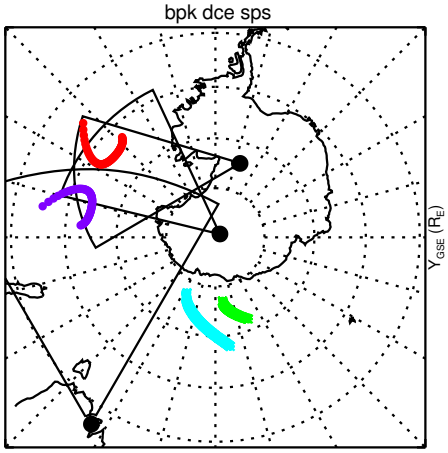


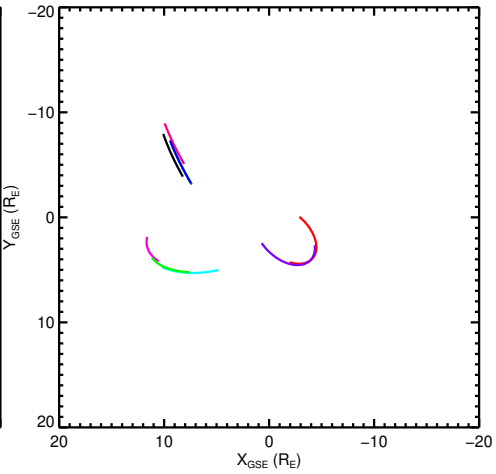


(a) 0305UT to 0825UT
ade bks cly cve cvw fhw hok kod pgr sas

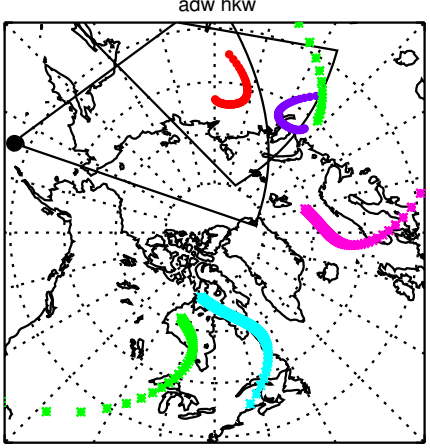


bpk dce sps

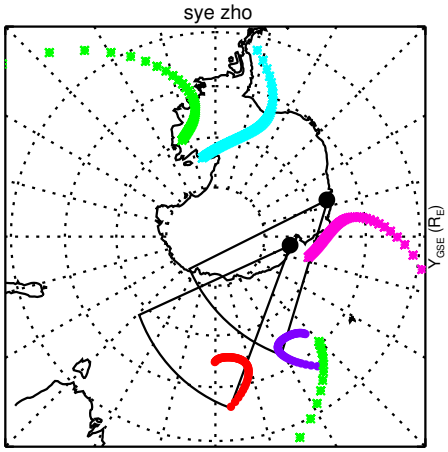


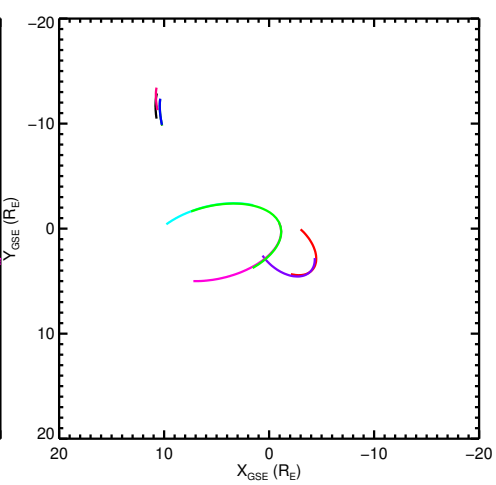


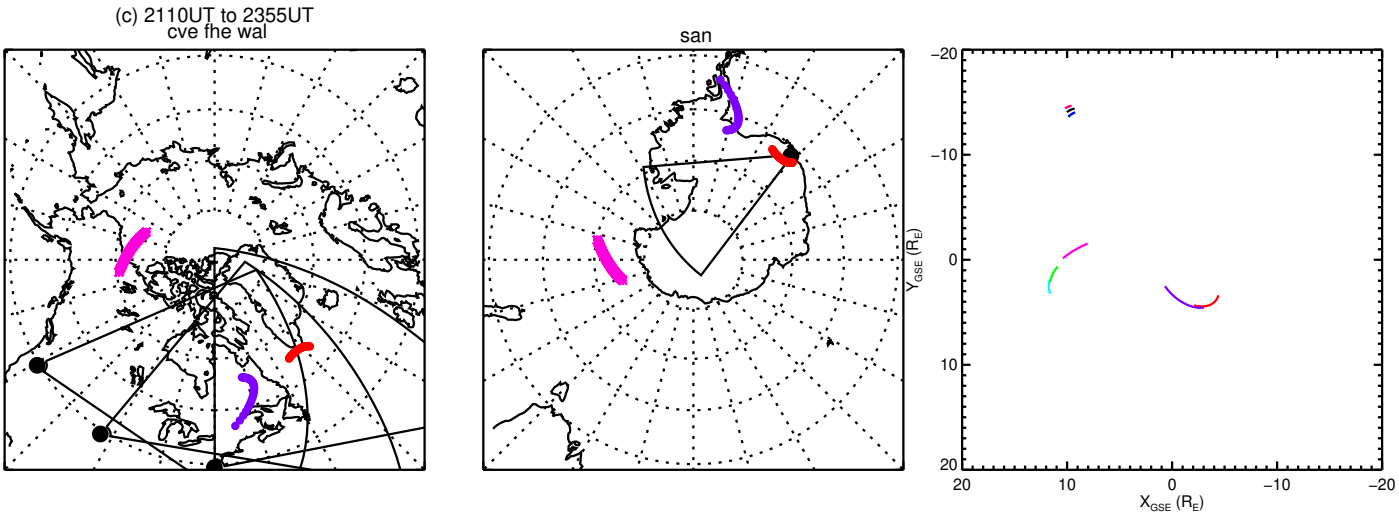
(b) 1210UT to 1720UT
adw hkw



sye zho



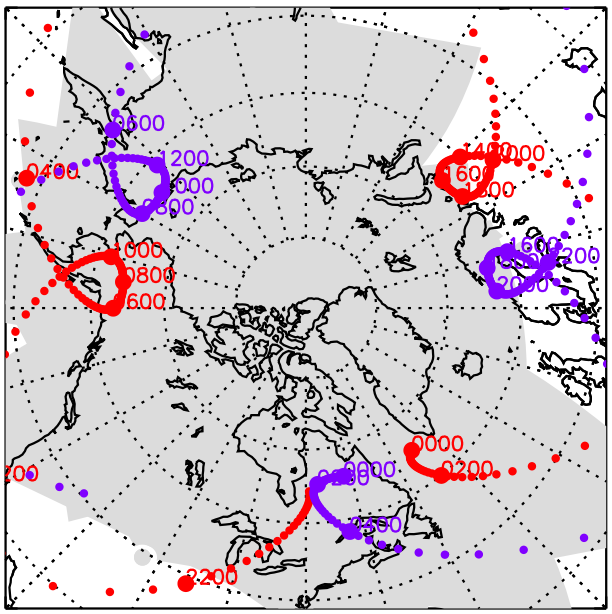


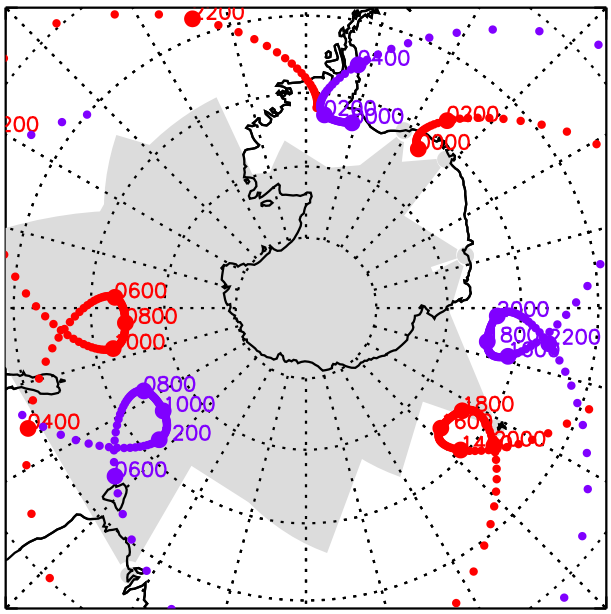

(c) 2110UT to 2355UT
cve fhe wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

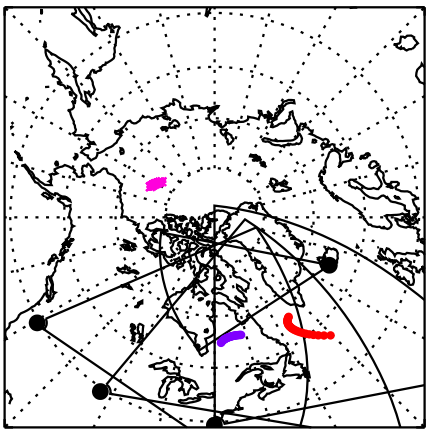
25–Apr–2015

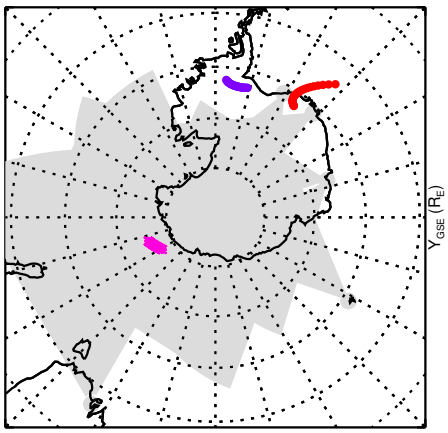
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

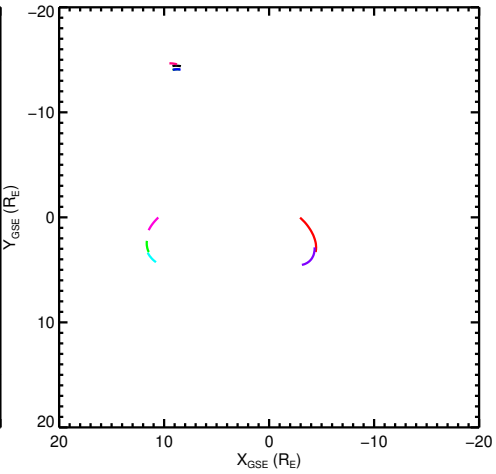




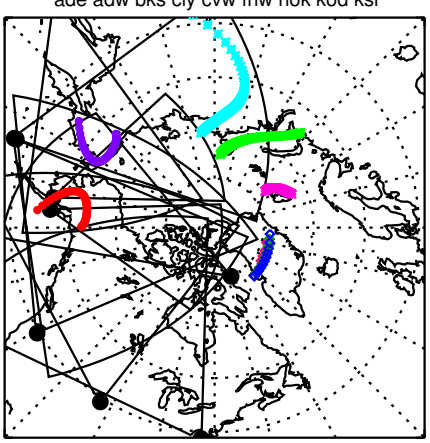
(a) 0000UT to 0220UT
cve fhe sto wal



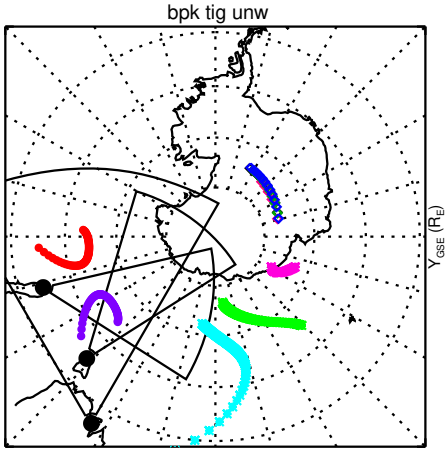


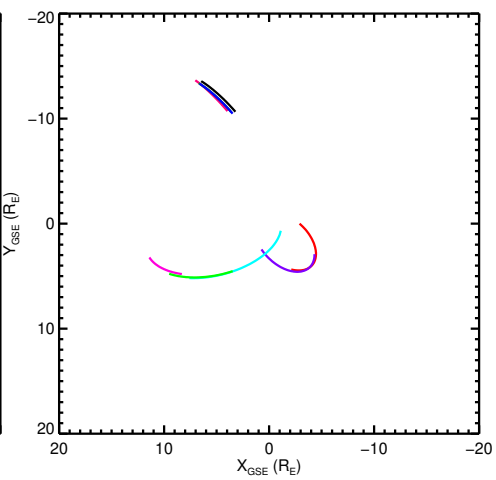


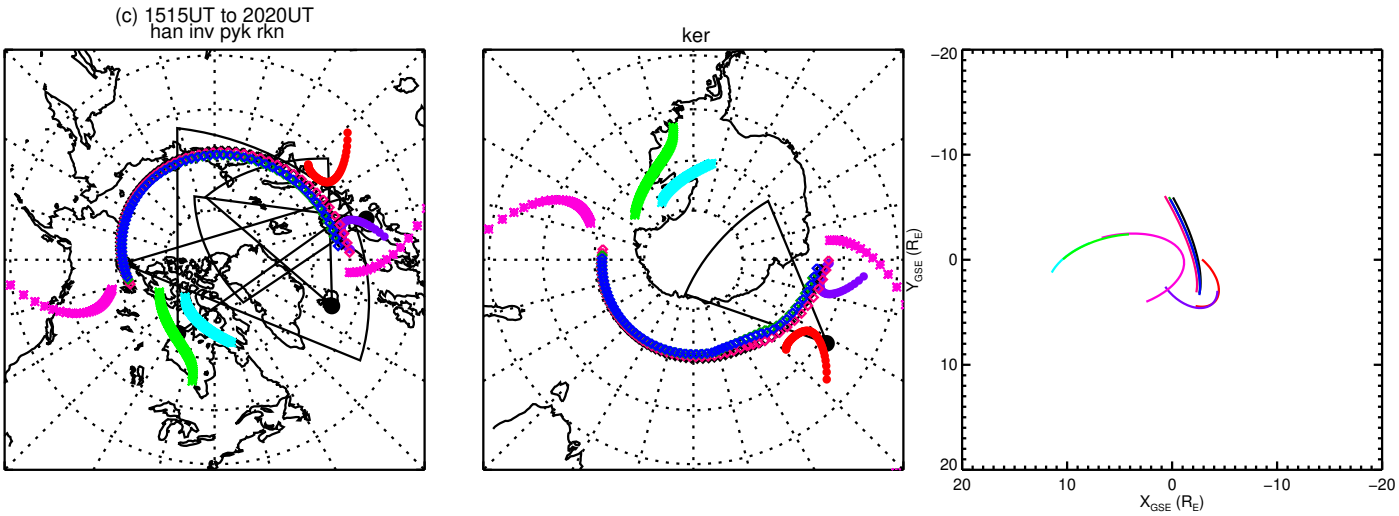
(b) 0610UT to 1120UT
ade adw bks cly cvw fhw hok kod ksr



bpk tig unw



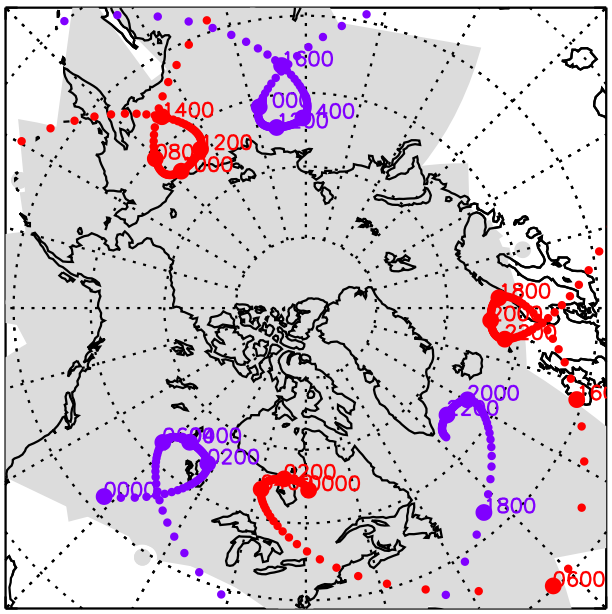


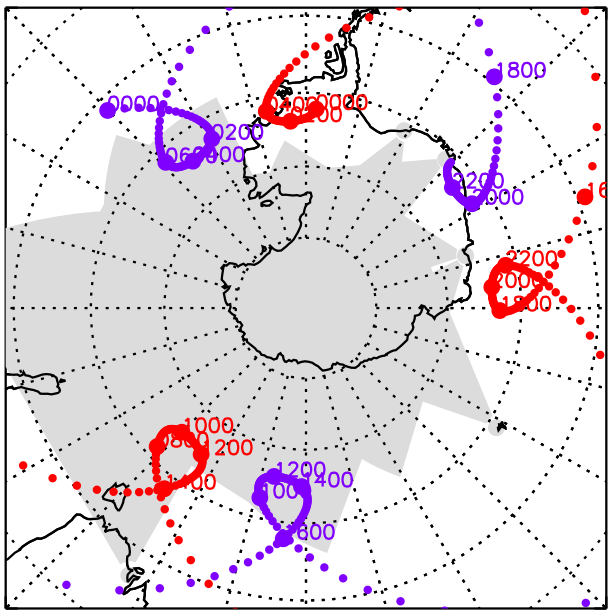

(c) 1515UT to 2020UT
han inv pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

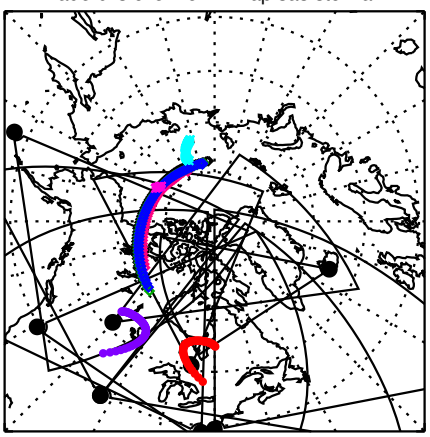
26–Apr–2015

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

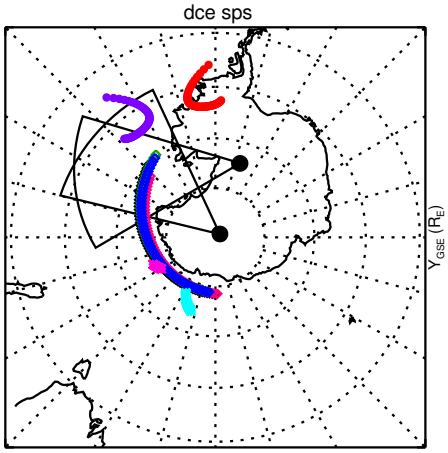


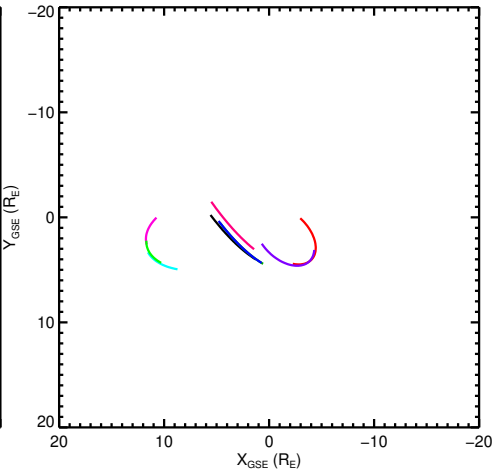


(a) 0015UT to 0515UT
ade bks cve fhe fhw kap sas sto wal

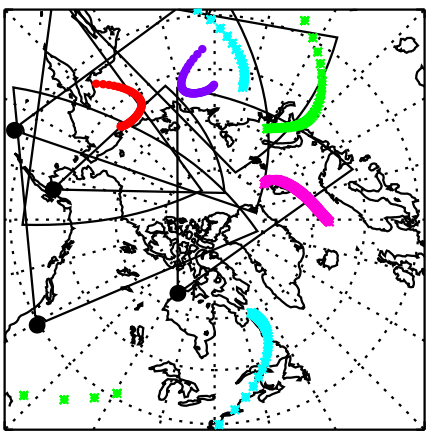


dce sps

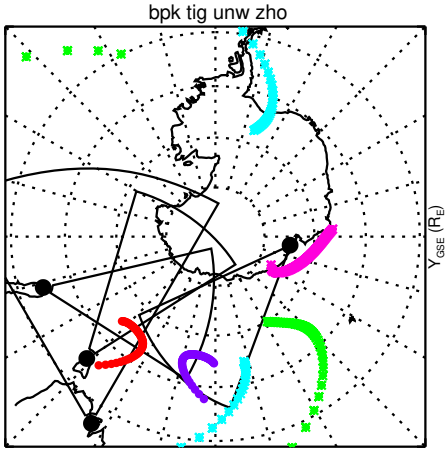


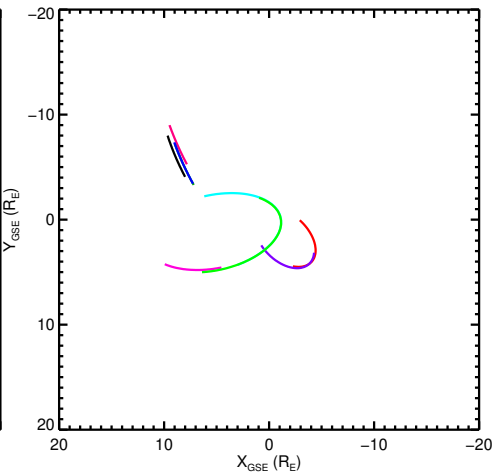


(b) 0915UT to 1415UT
adw cvw hkw hok ksr rkn

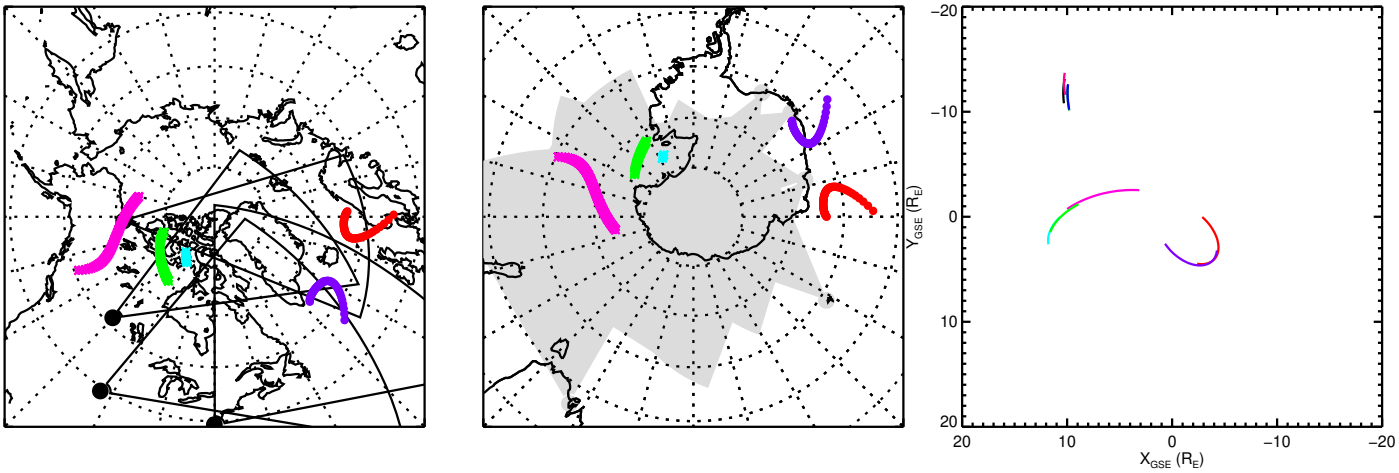


bpk tig unw zho





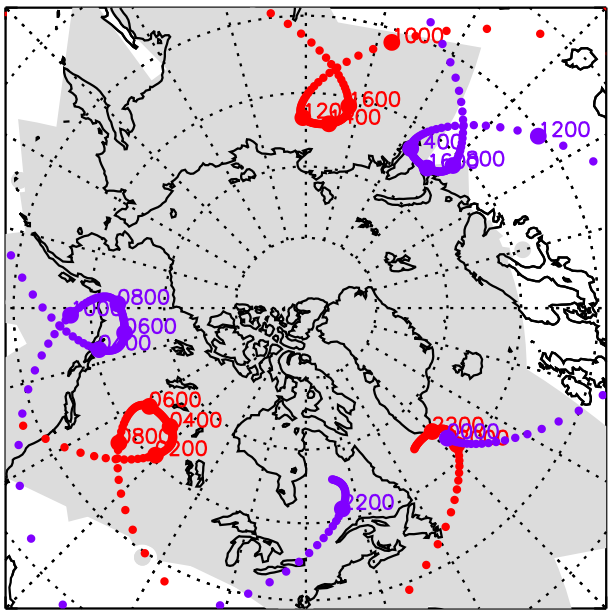
(c) 1820UT to 2315UT
fhe inv sas wal

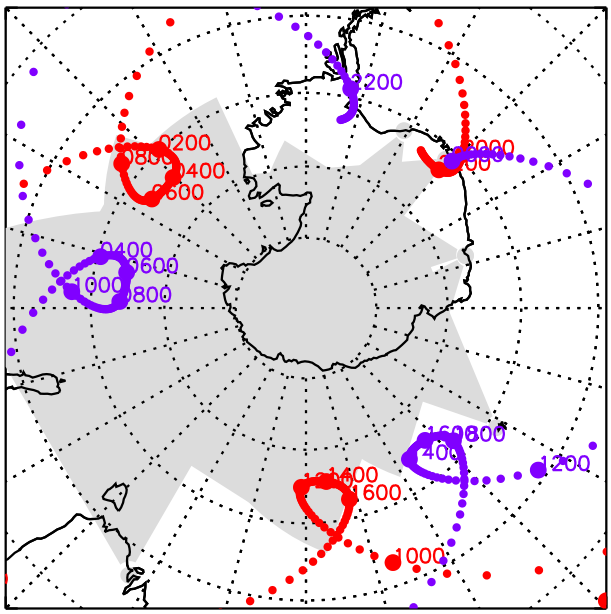


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

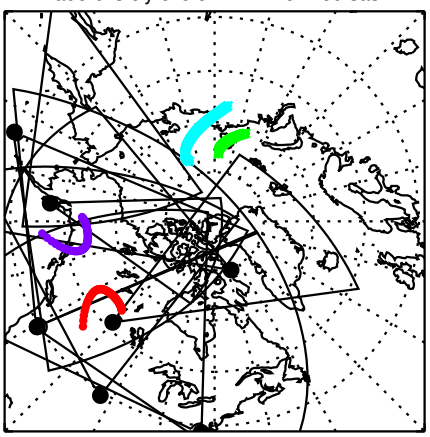
27−Apr−2015

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

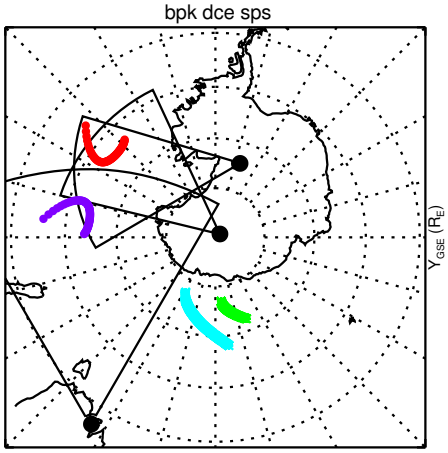


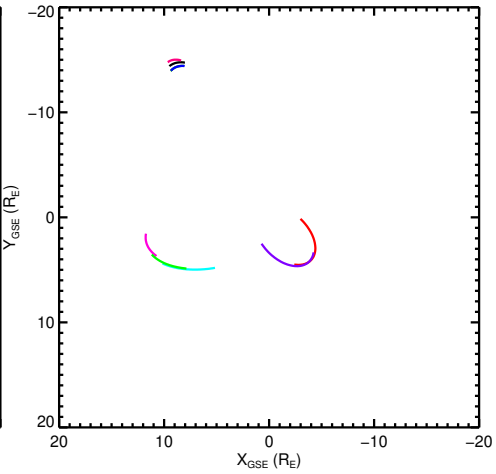


(a) 0320UT to 0810UT
ade bks cly cve cvw fhw hok kod sas

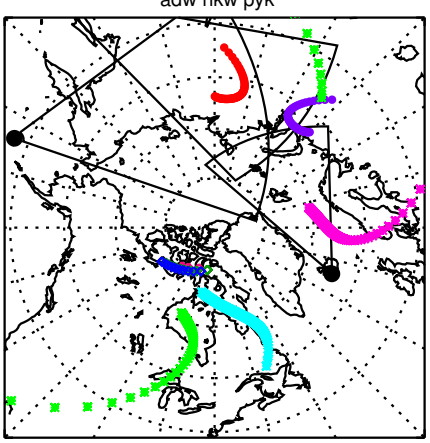


bpk dce sps

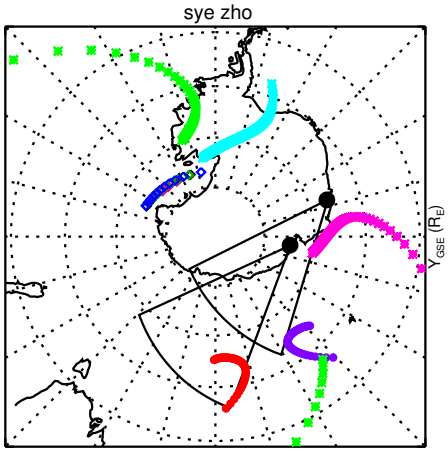


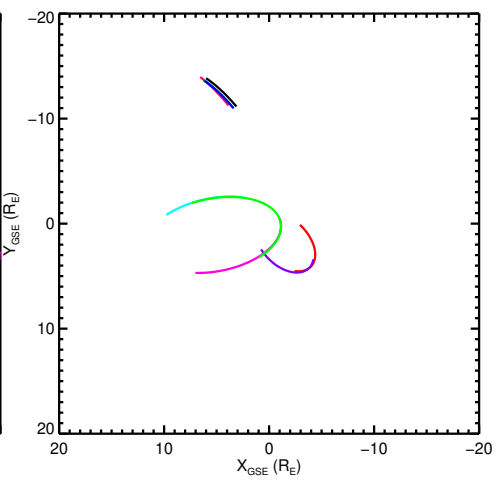


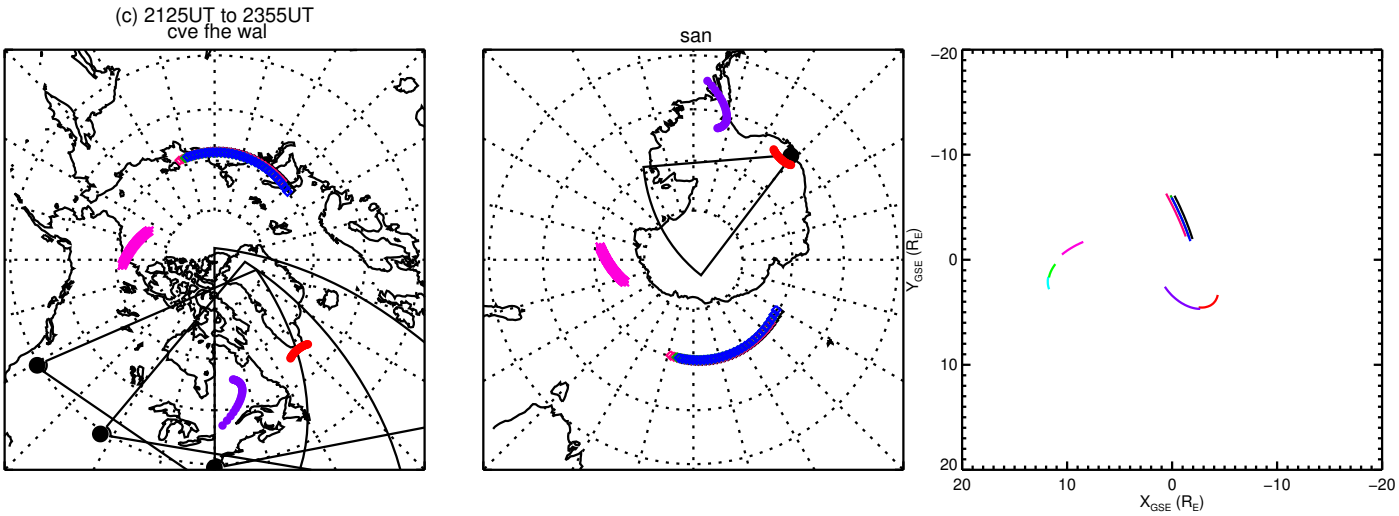
(b) 1220UT to 1710UT
adw hkw pyk



sye zho



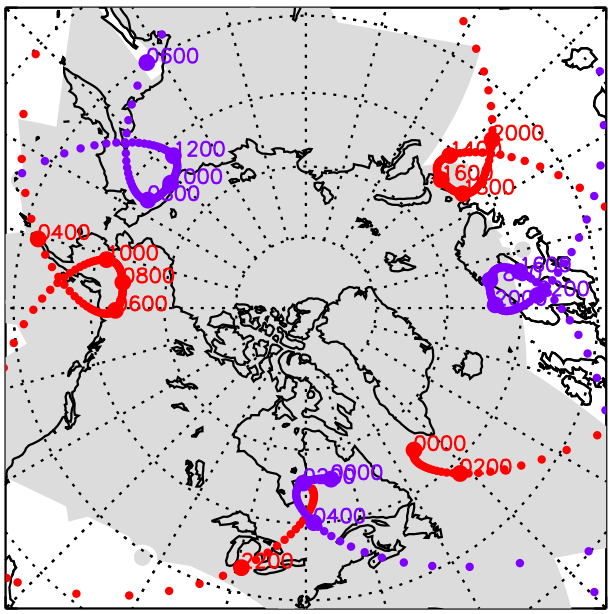


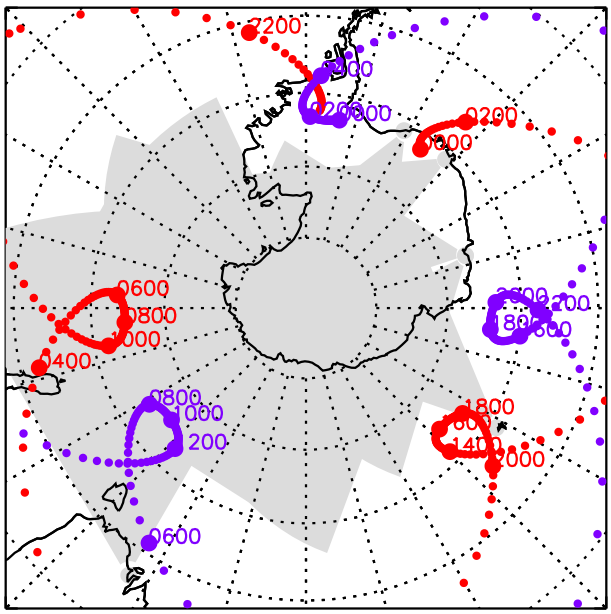

(c) 2125UT to 2355UT
cve fhe wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

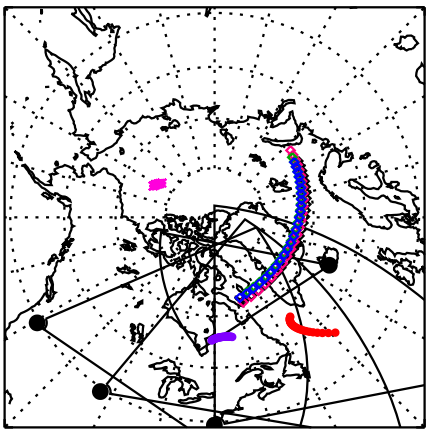
28–Apr–2015

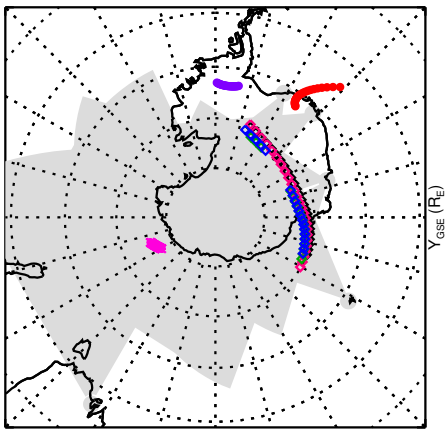
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

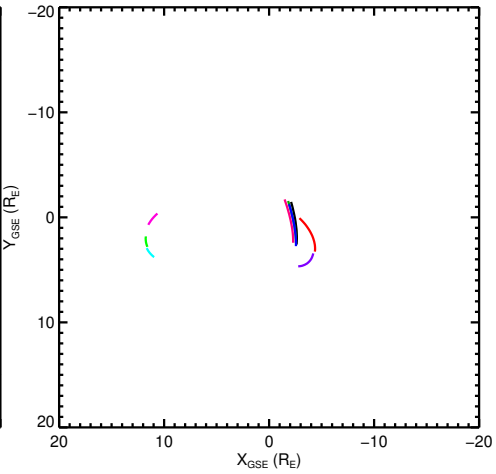




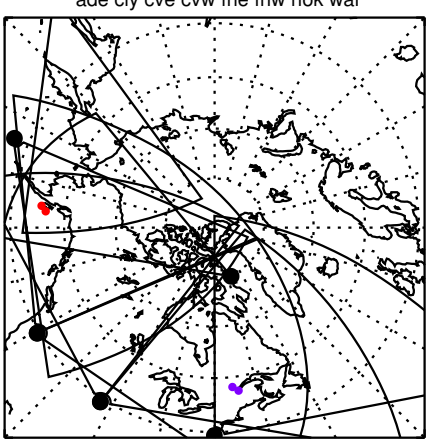
(a) 0000UT to 0210UT
cve fhe sto wal



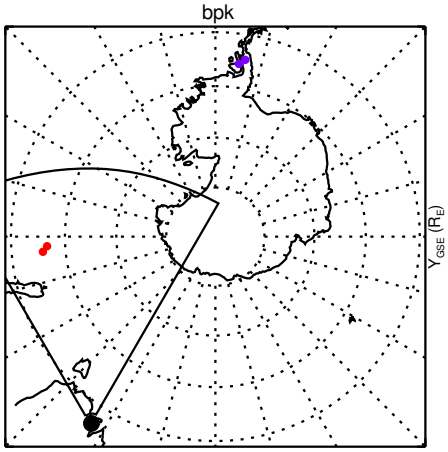


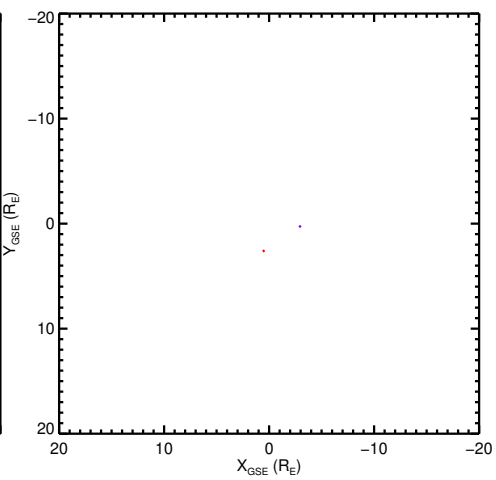


(b) 0415UT to 0420UT
ade cly cve cvw fhe fhw hok wal

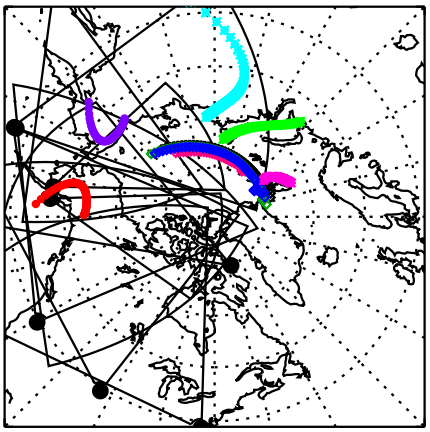


bpk

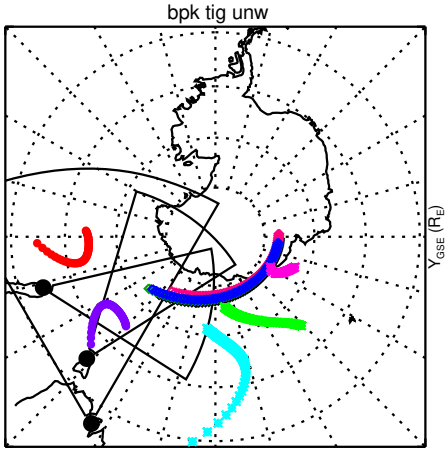


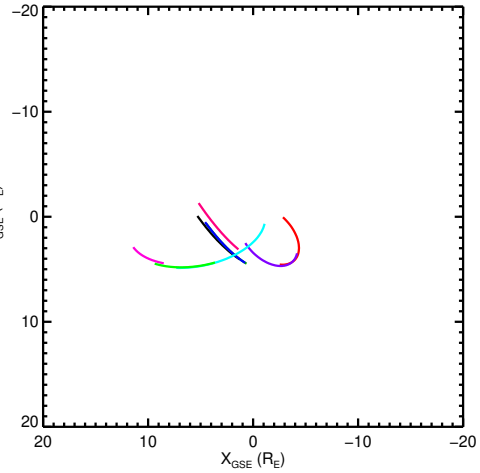


(c) 0625UT to 1110UT
ade adw bks cly cvw fhw hok kod ksr

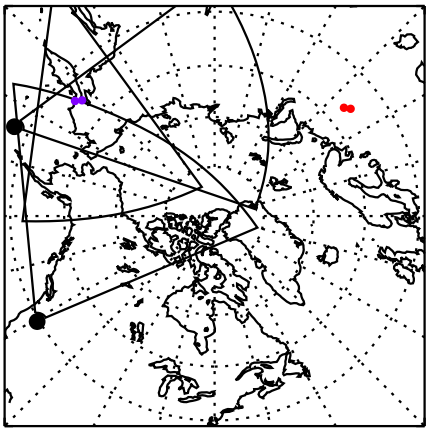


bpk tig unw

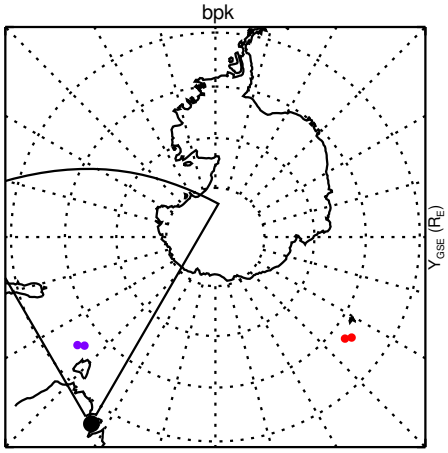


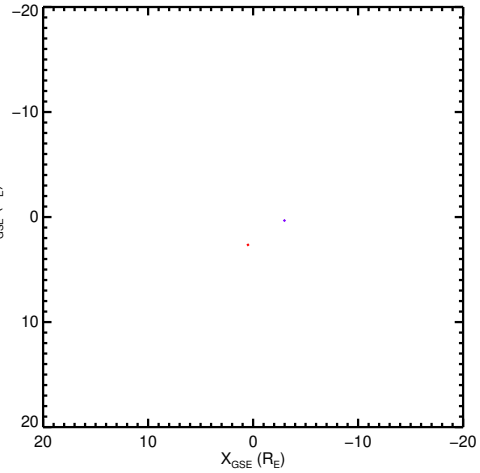


(d) 1315UT to 1320UT
adw cvw hok

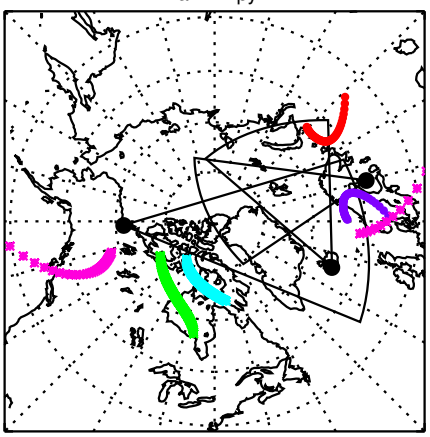


bpk

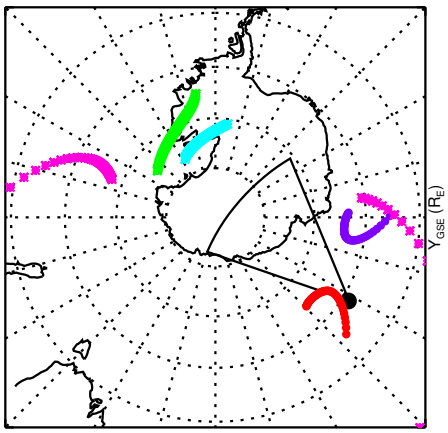


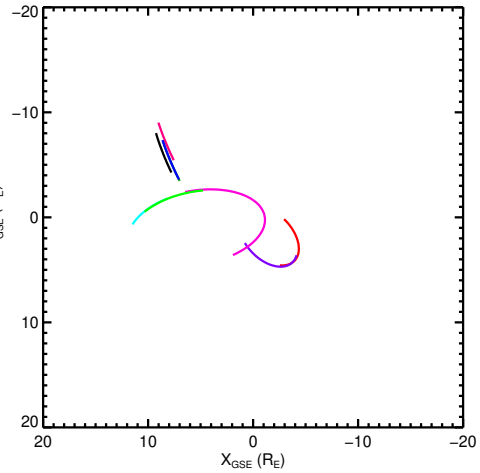


(e) 1525UT to 2005UT
han inv pyk

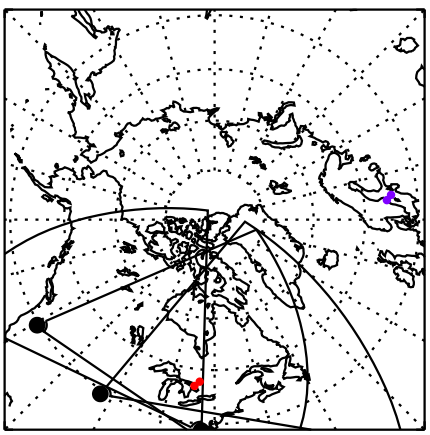


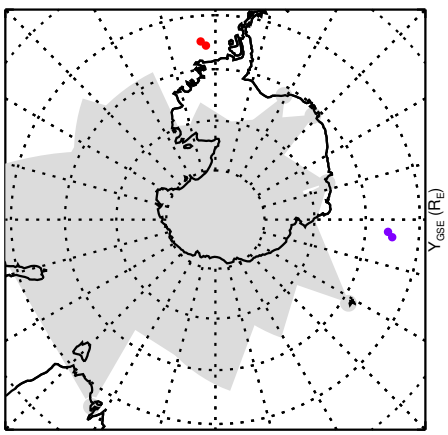
ker

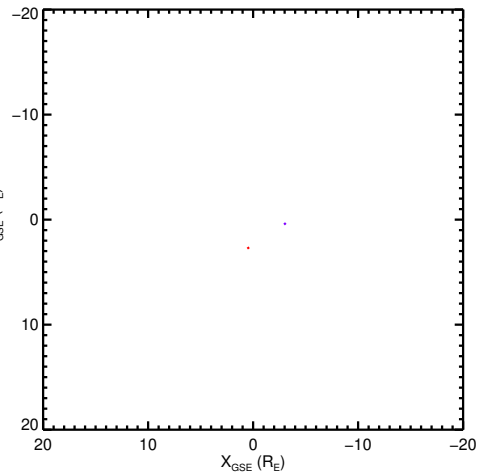




(f) 2215UT to 2220UT
bks cve fhe



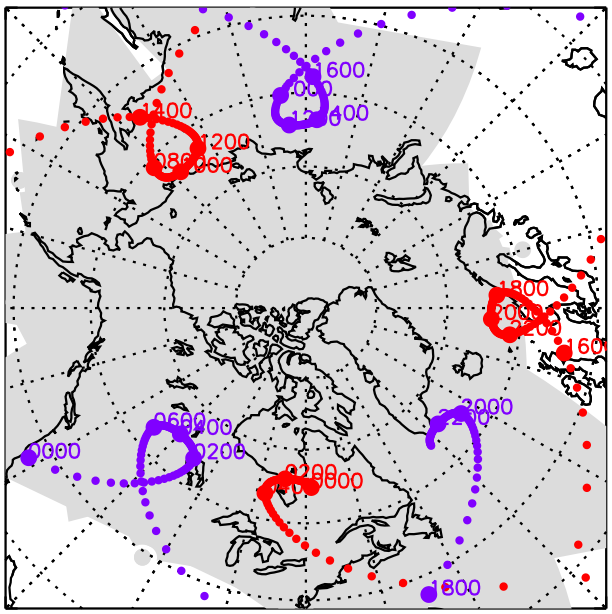


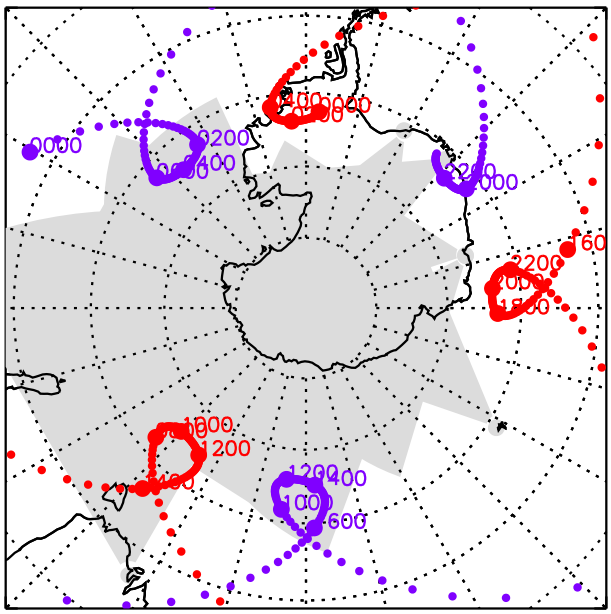


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

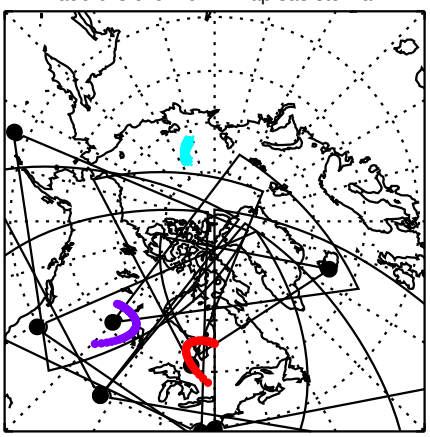
29–Apr–2015

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

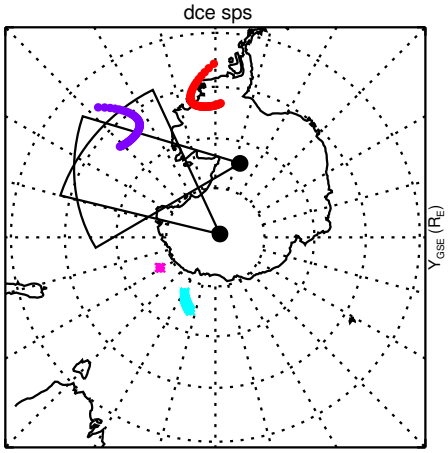


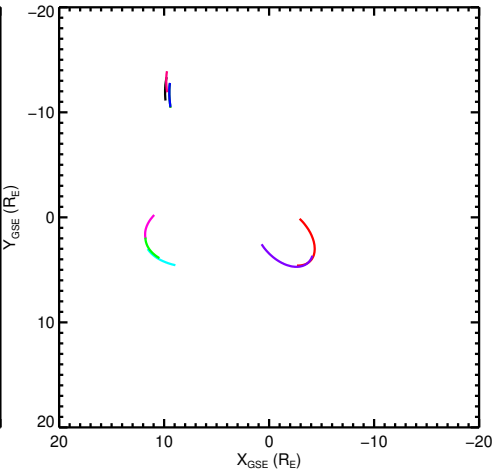


(a) 0030UT to 0505UT
ade bks cve fhe fhw kap sas sto wal

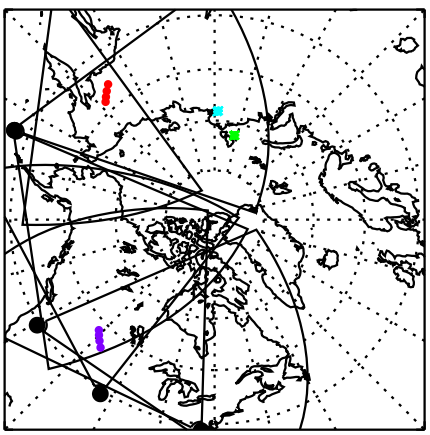


dce sps

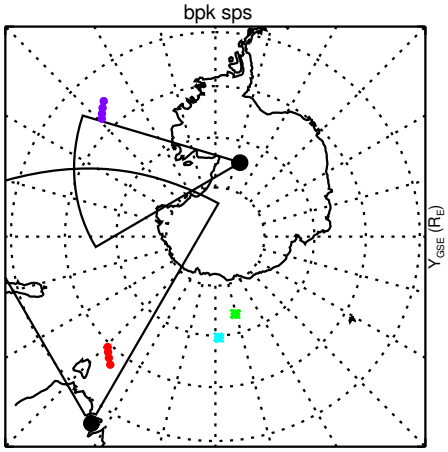


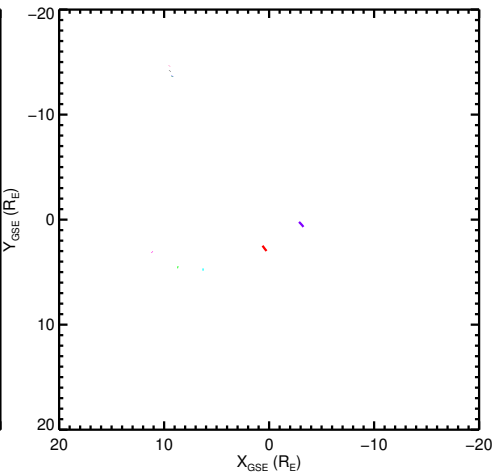


(b) 0710UT to 0725UT
ade adw bks cve fhw hok

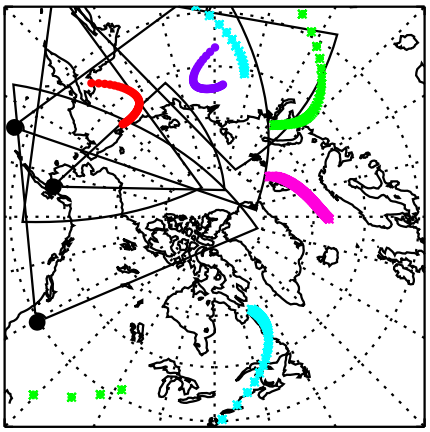


bpk sps

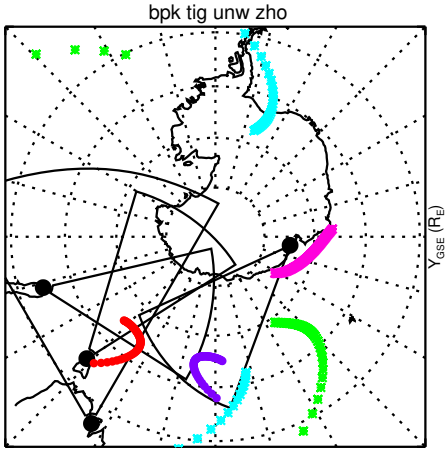


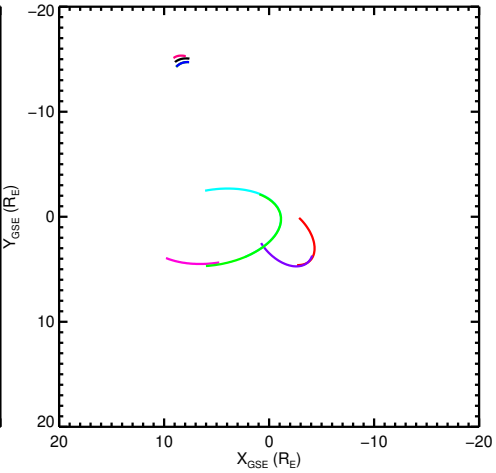


(c) 0930UT to 1405UT
adw cvw hkw hok ksr

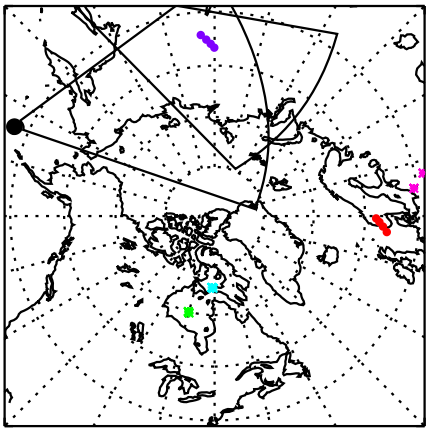


bpk tig unw zho

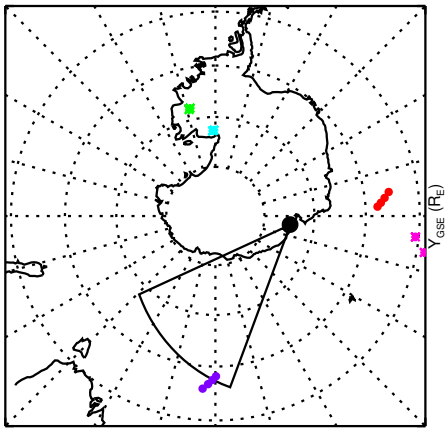


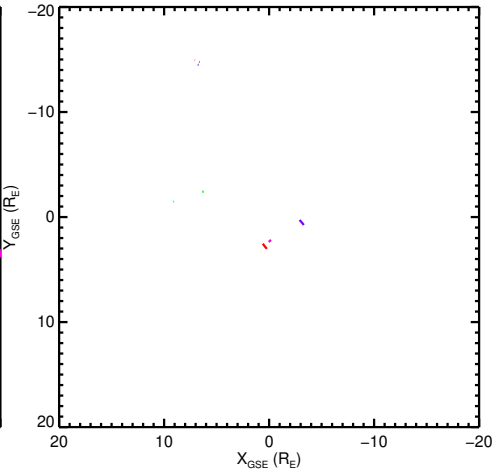


(d) 1610UT to 1625UT
adw hkw

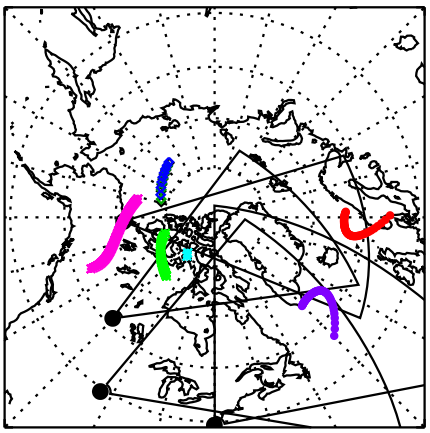


zho

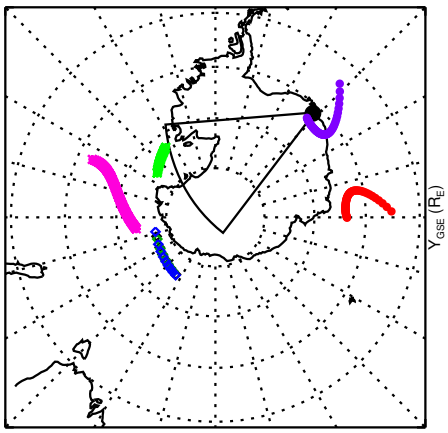


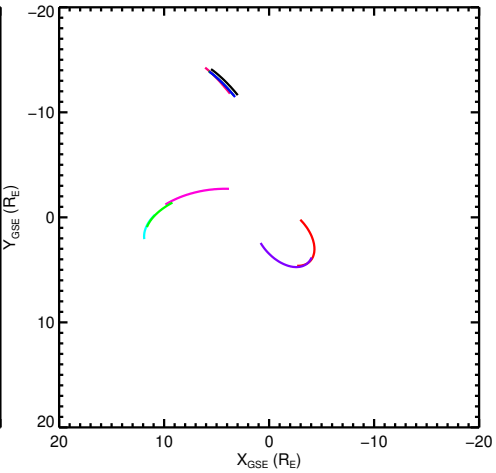


(e) 1830UT to 2300UT
fhe inv sas wal



san

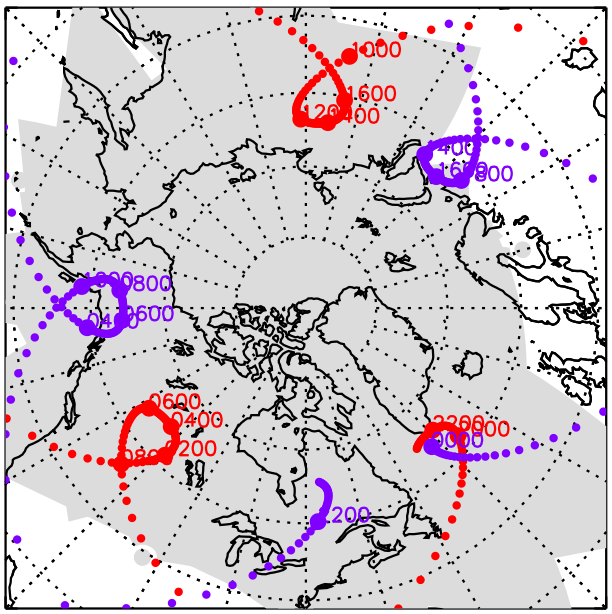


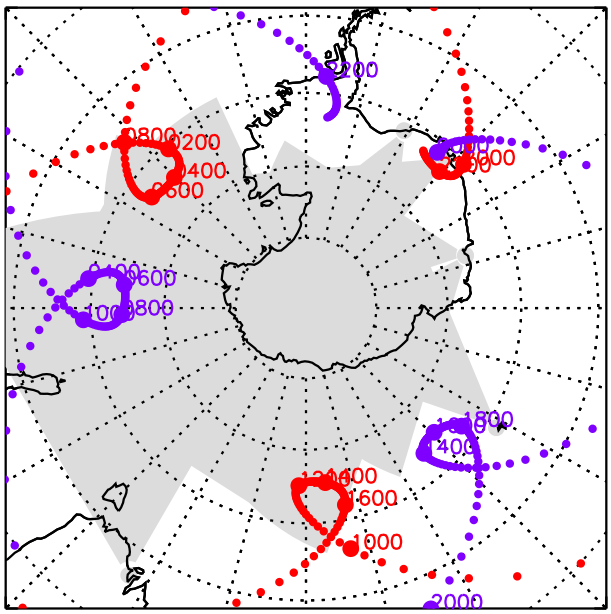


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

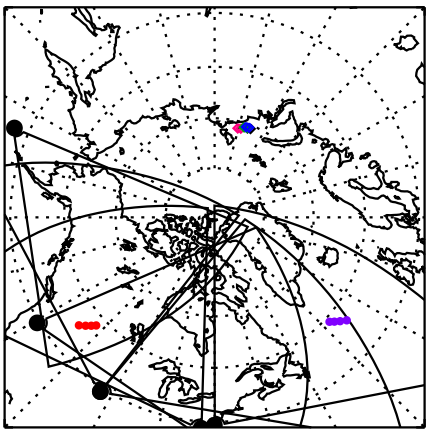
30−Apr−2015

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

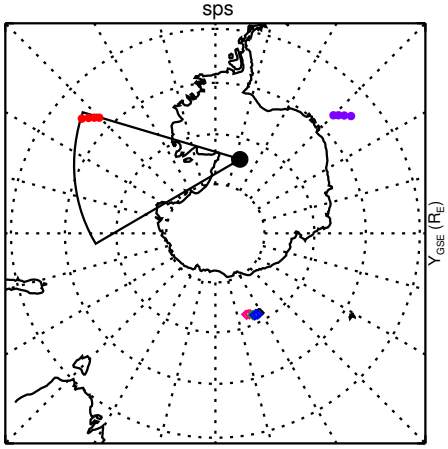


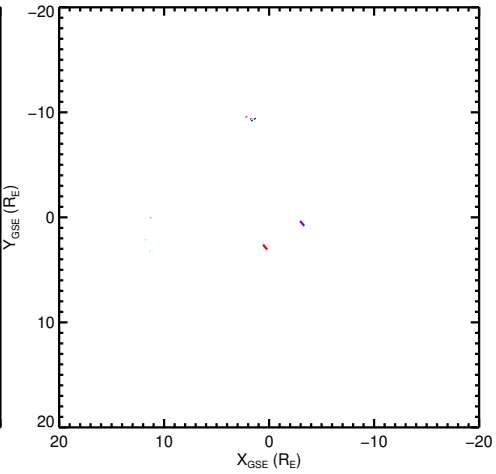


(a) 0110UT to 0125UT
ade bks cve fhe fhw wal

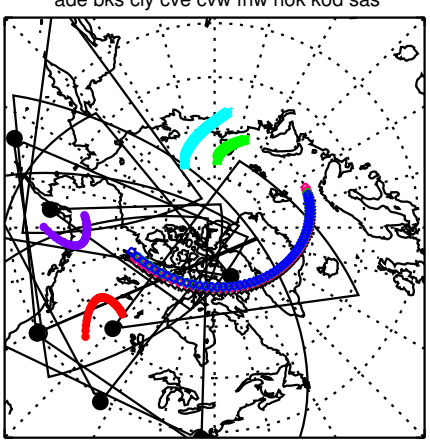


sps

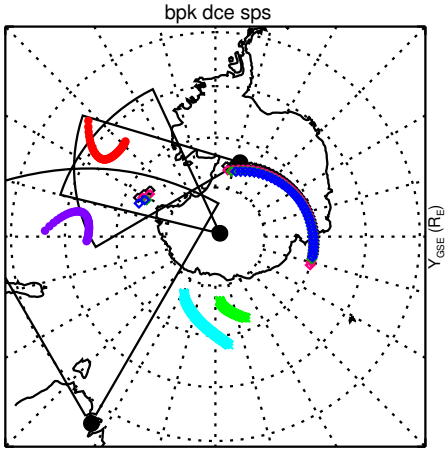


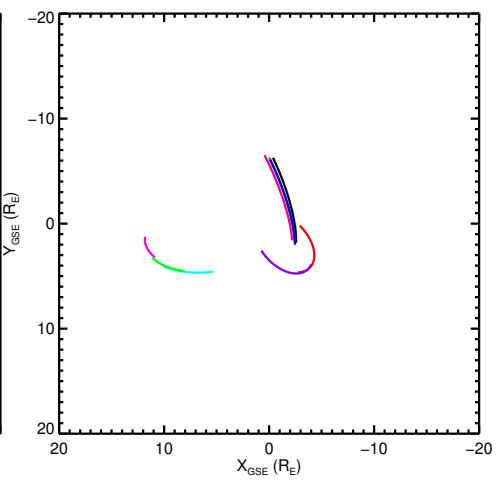


(b) 0335UT to 0800UT
ade bks cly cve cvw fhw hok kod sas

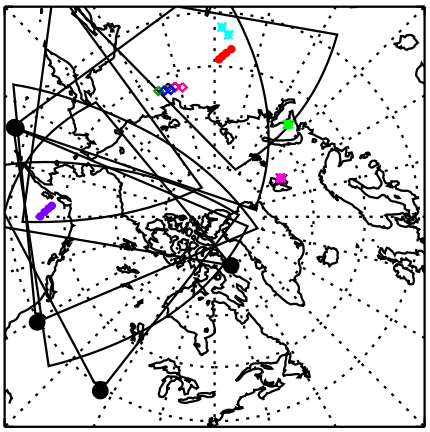


bpk dce sps

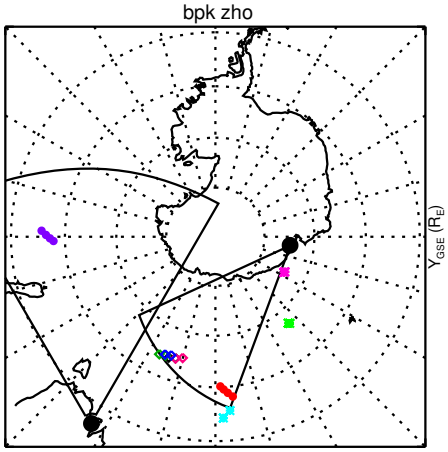


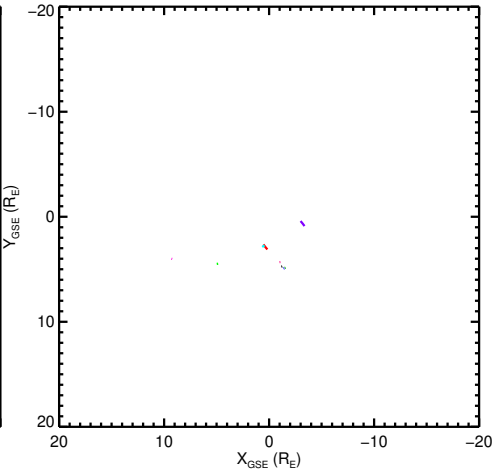


(c) 1010UT to 1025UT
ade adw cly cvw fhw hkw hok

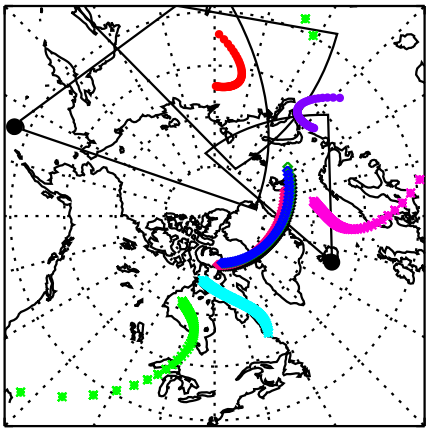


bpk zho

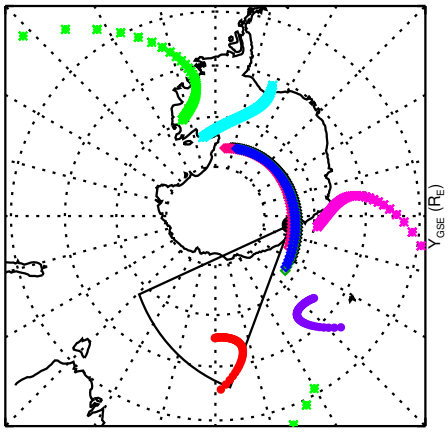


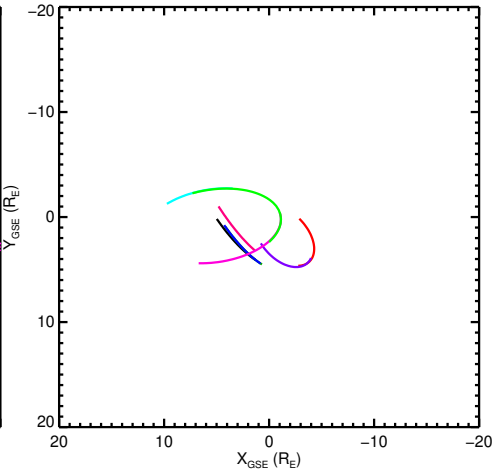


(d) 1235UT to 1700UT
adw hkw pyk

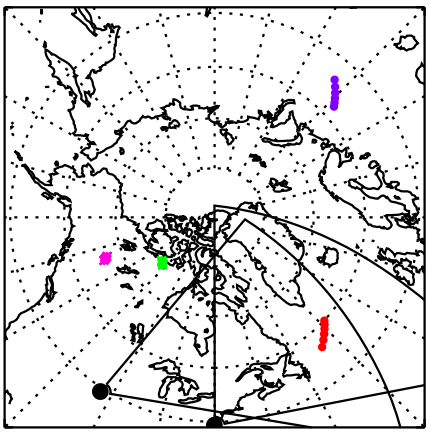


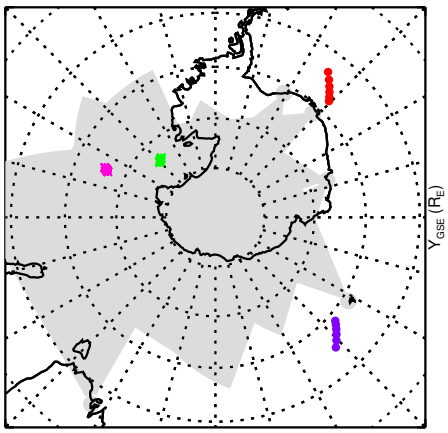
zho

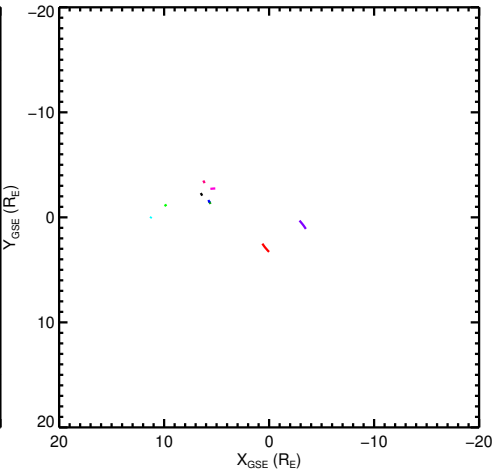




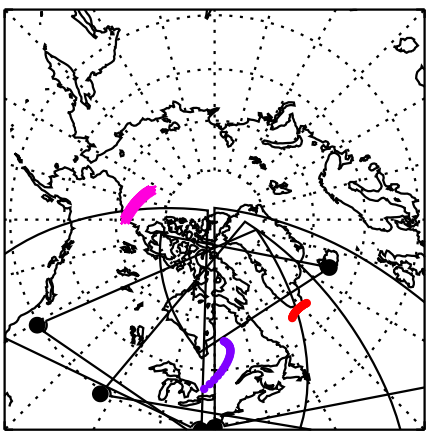
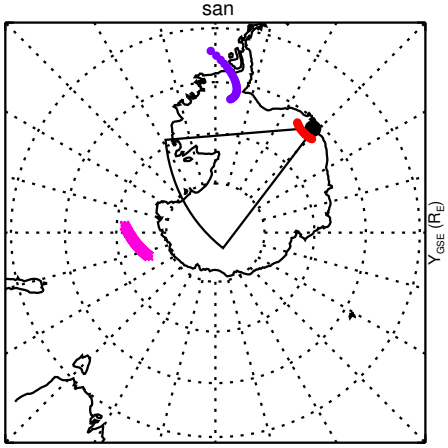
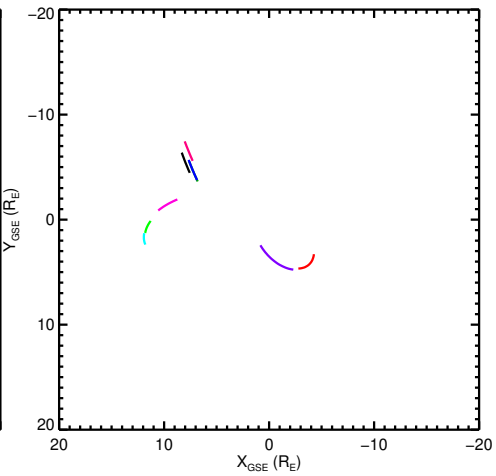
(e) 1905UT to 1930UT
fhe wal







(f) 2135UT to 2355UT
bks cve fhe sto wal



san