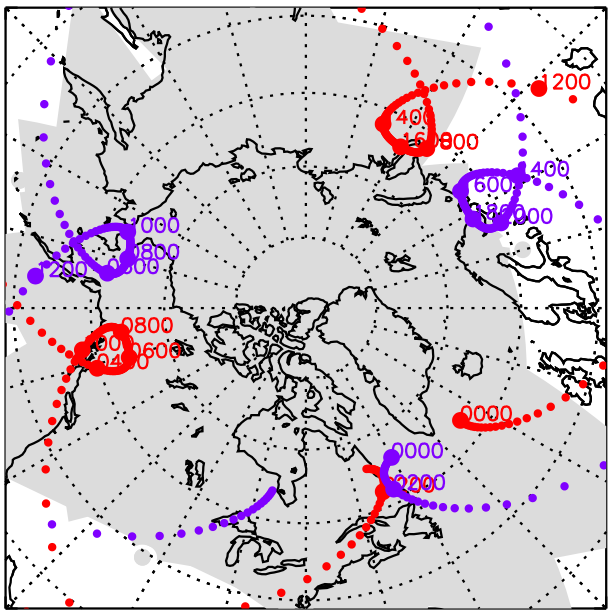
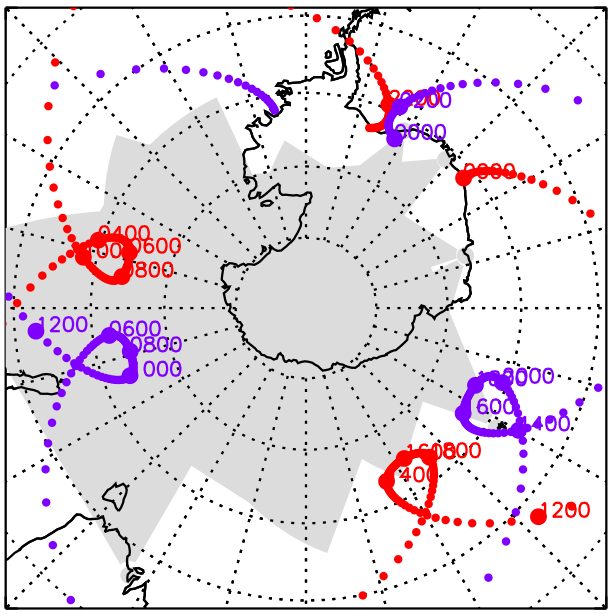
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

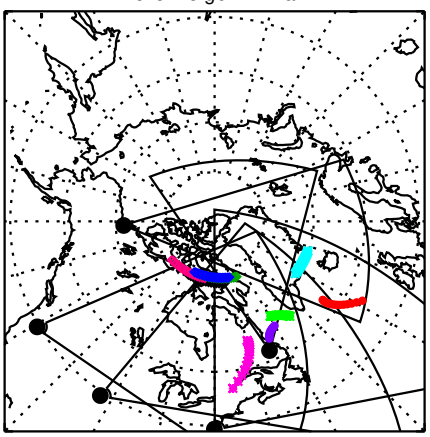
01–Feb–2017

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

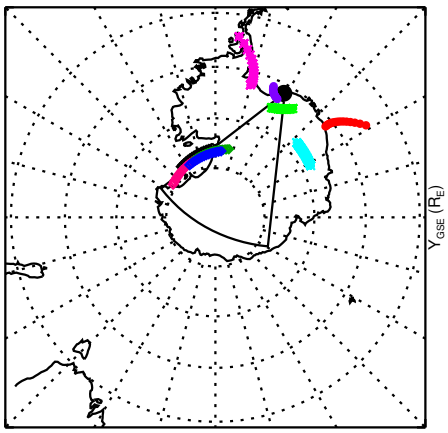


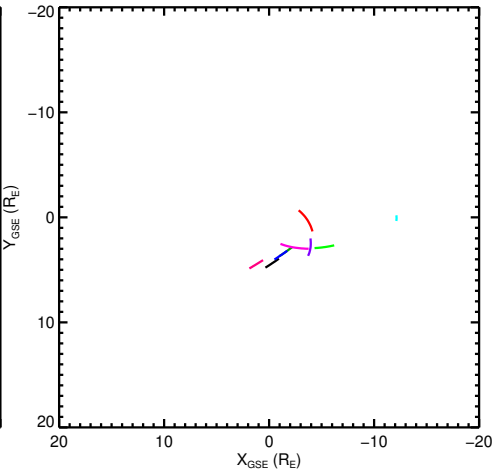


(a) 0000UT to 0120UT
cve fhe gbr inv wal

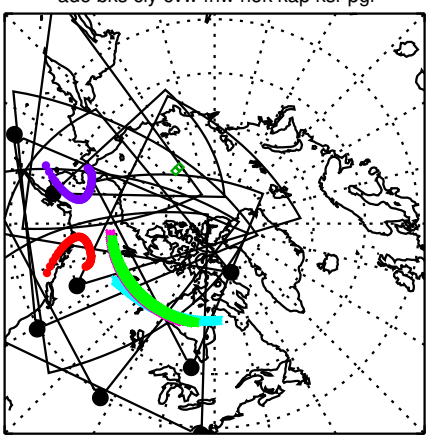


hal

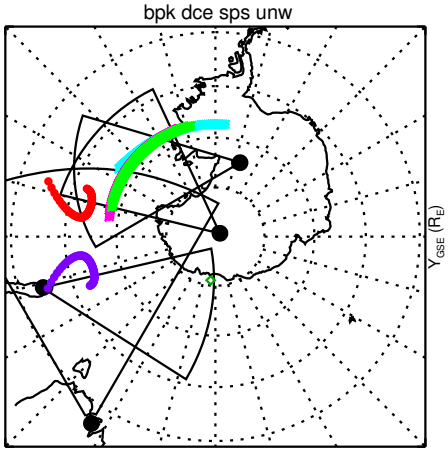


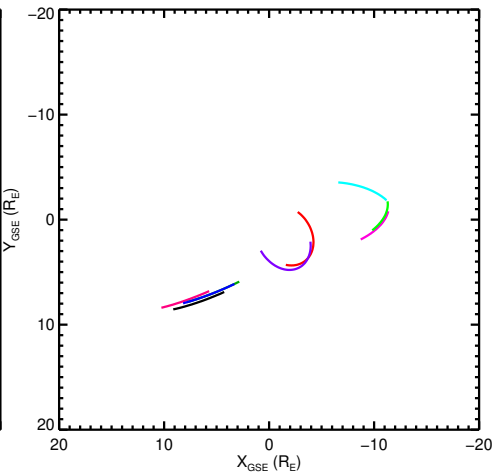


(b) 0450UT to 1020UT
ade bks cly cvw fhw hok kap ksr pgr

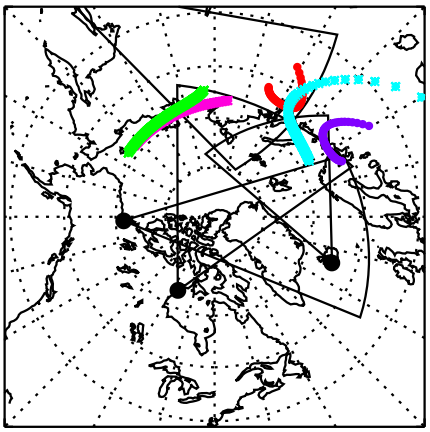


bpk dce sps unw

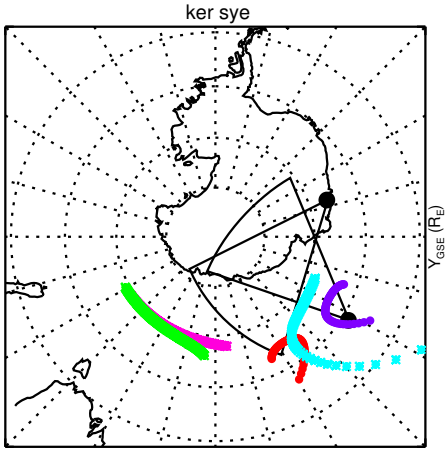


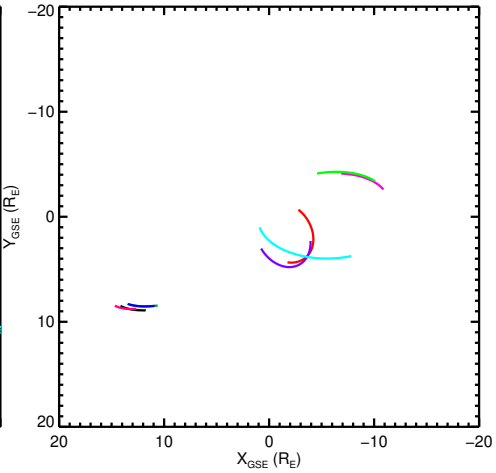


(c) 1355UT to 1915UT
hkw inv pyk rkn

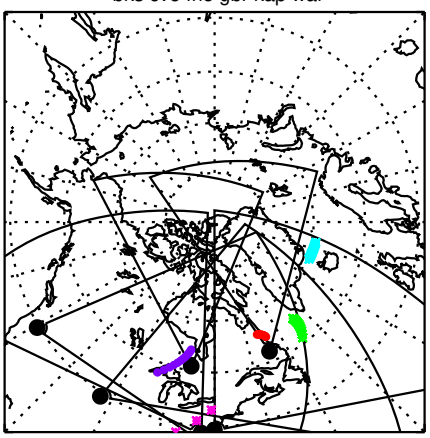


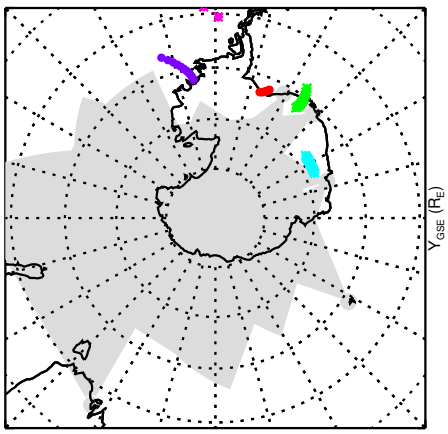
ker sye

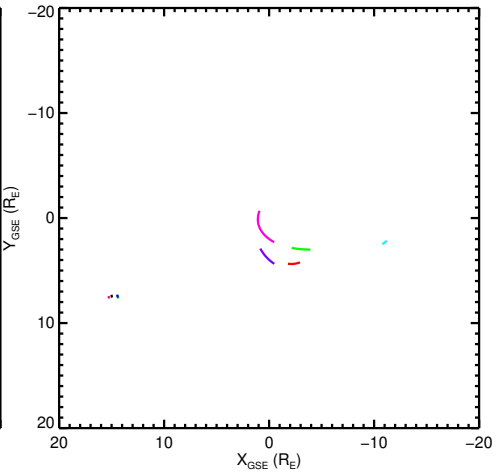




(d) 2255UT to 2355UT
bks cve fhe gbr kap wal



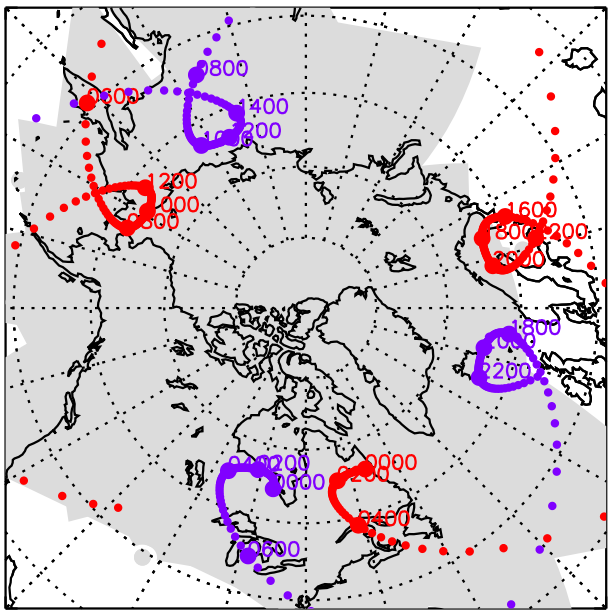


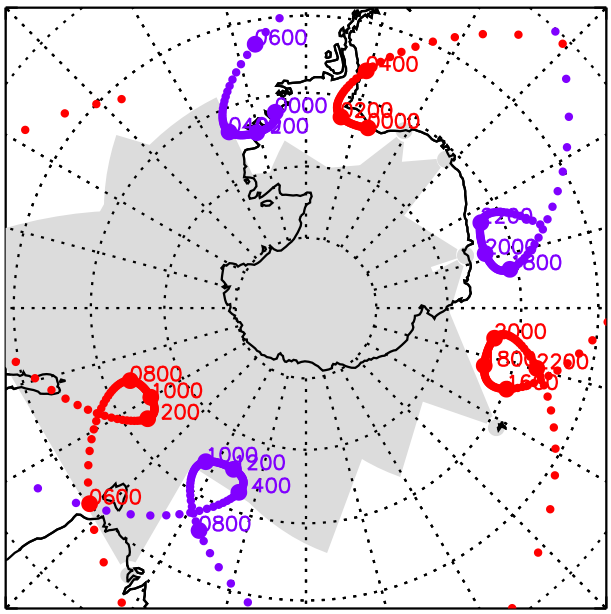


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

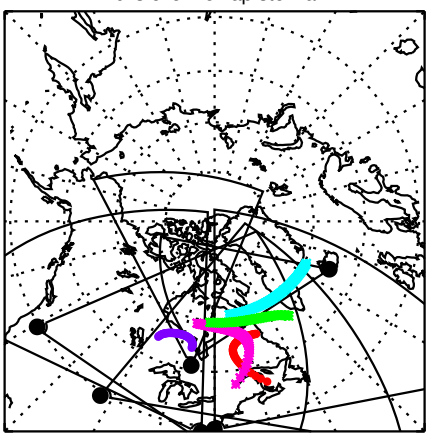
02–Feb–2017

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

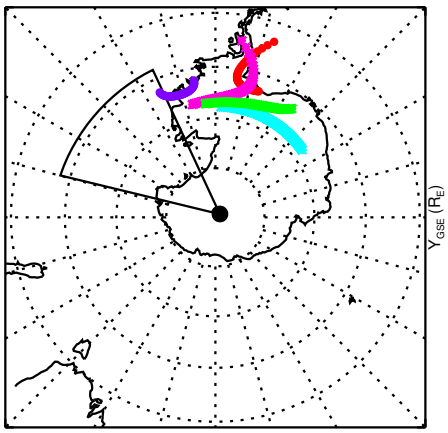


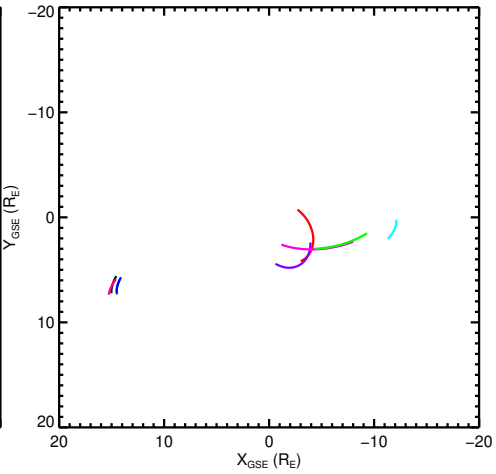


(a) 0000UT to 0415UT
bks cve fhe kap sto wal

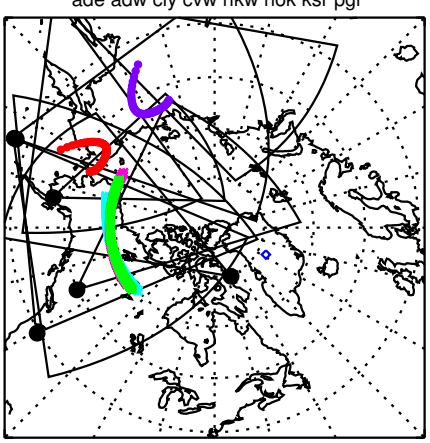


dce

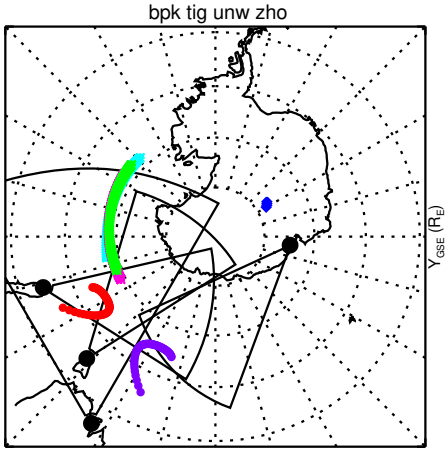


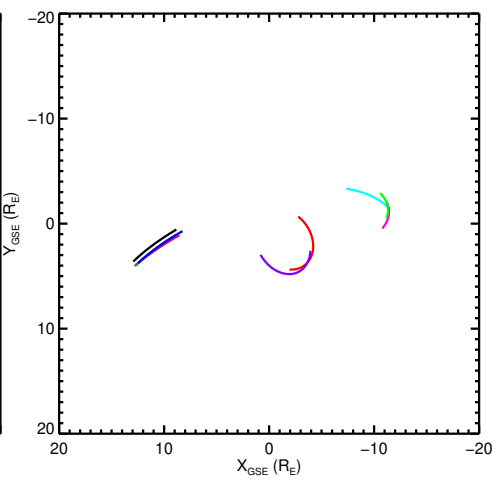


(b) 0800UT to 1310UT
ade adw cly cvw hkw hok ksr pgr

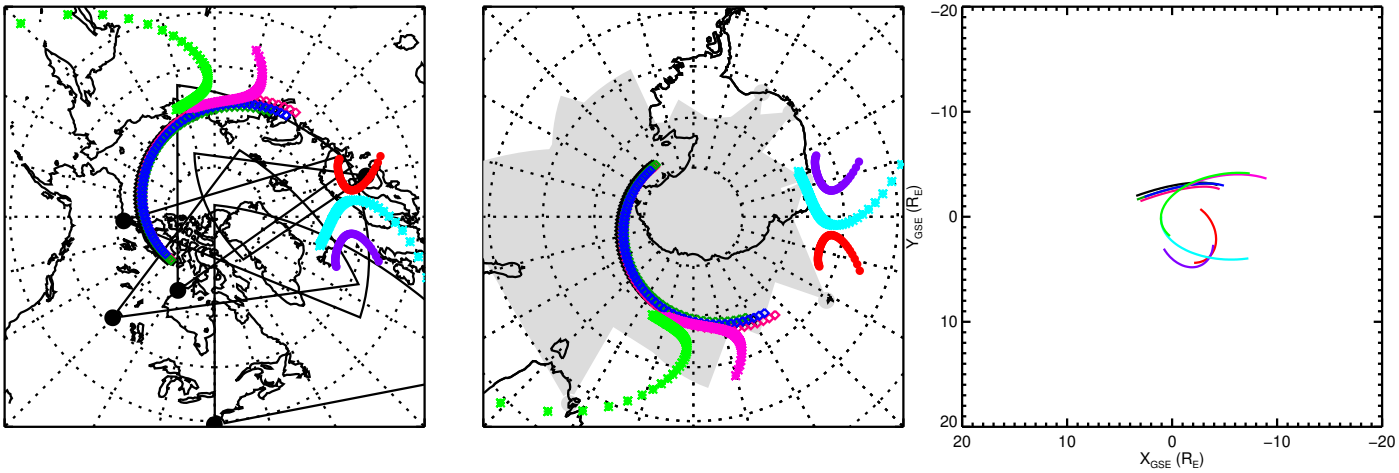


bpk tig unw zho





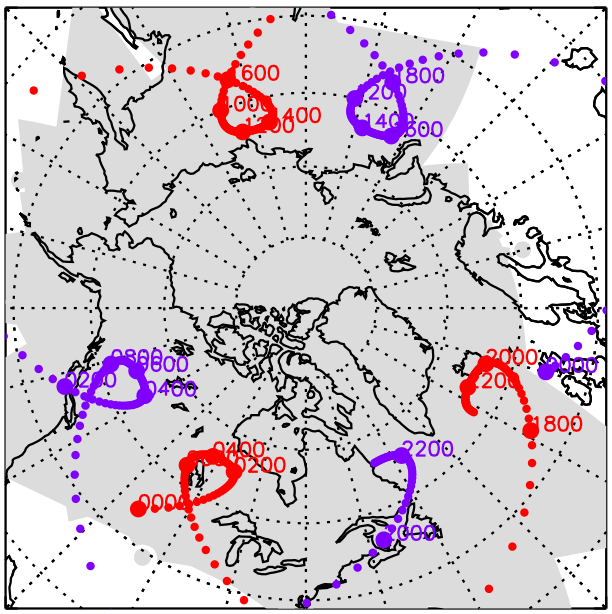
(c) 1705UT to 2210UT
han inv rkn sas wal

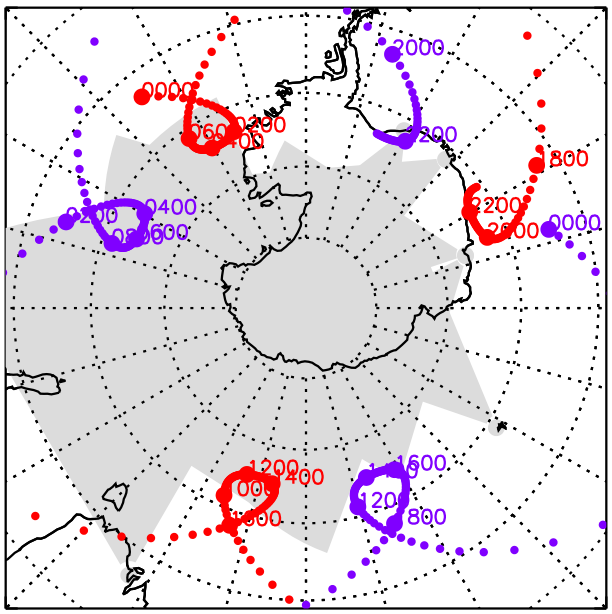


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

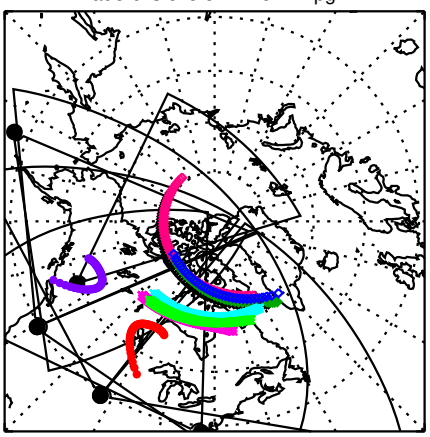
03–Feb–2017

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

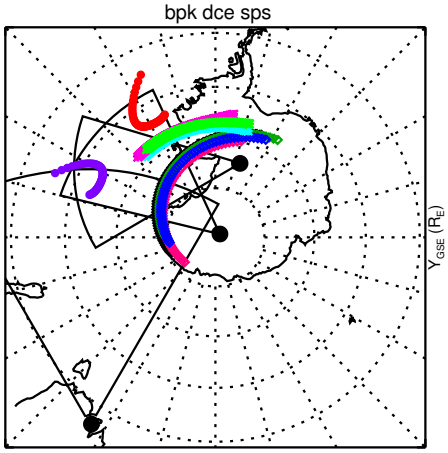


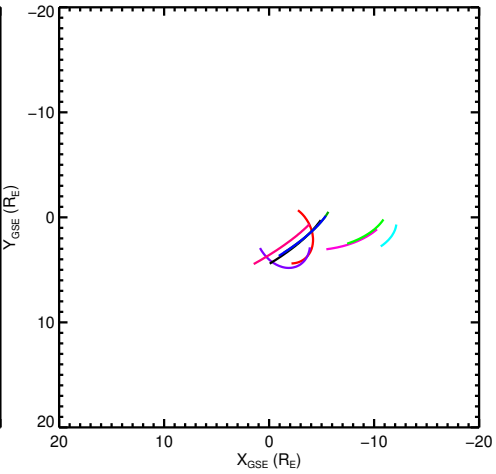


(a) 0205UT to 0705UT
ade bks cve cvw fhe fhw pgr

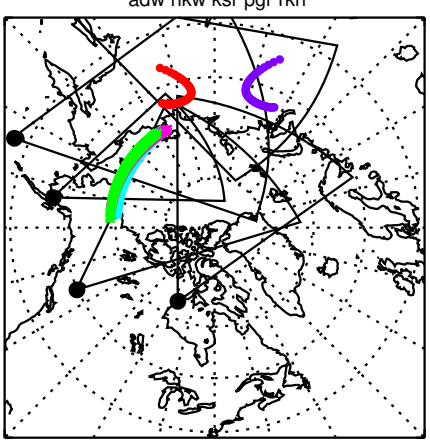


bpk dce sps

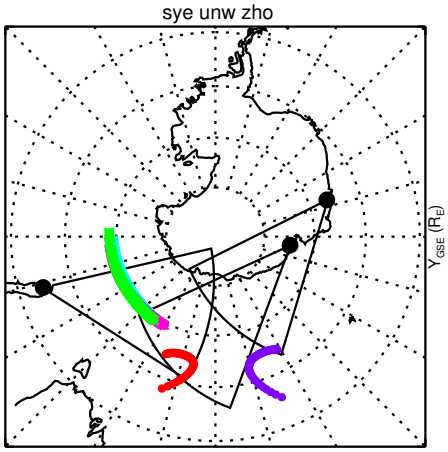


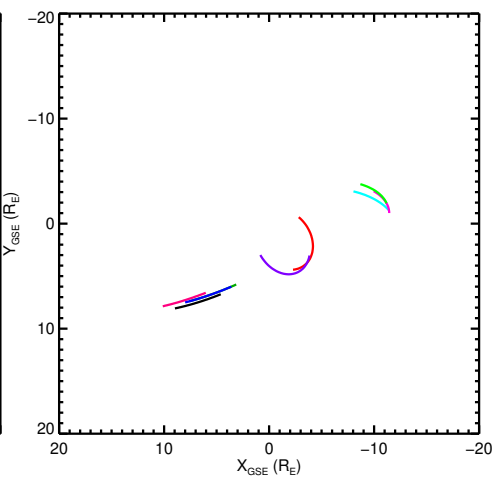


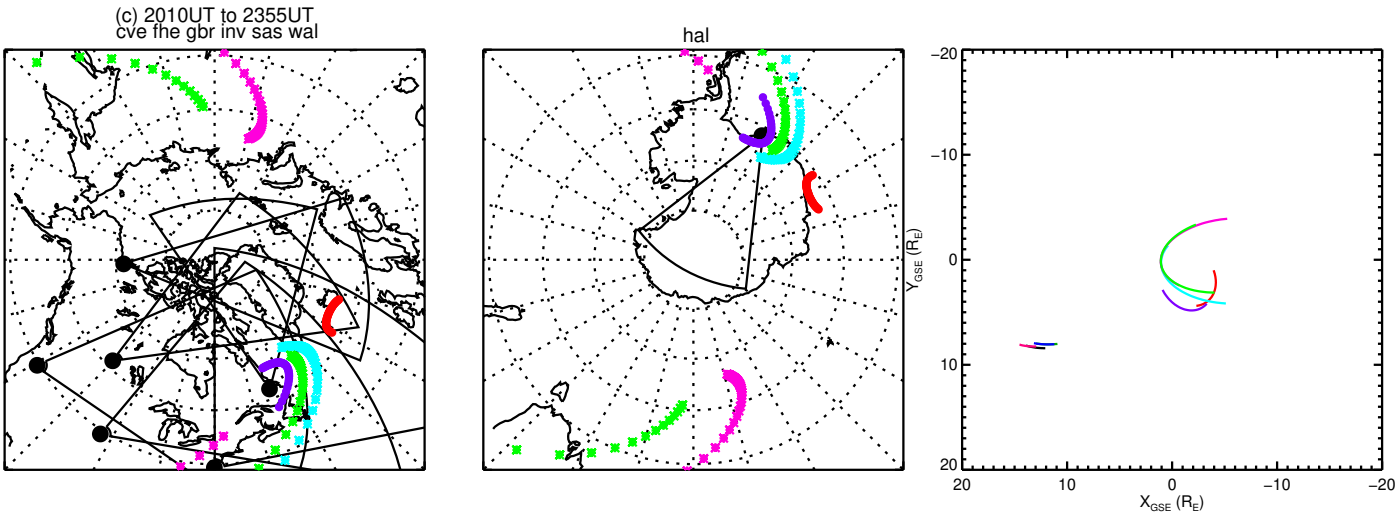
(b) 1110UT to 1600UT
adw hkw ksr pgr rkn



sye unw zho



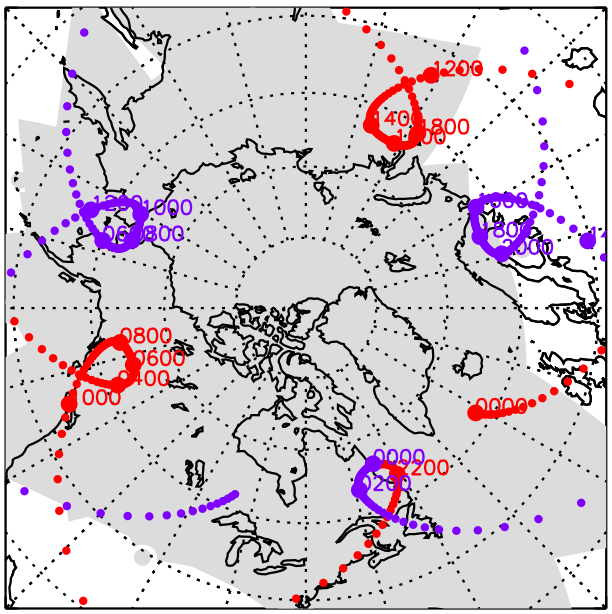


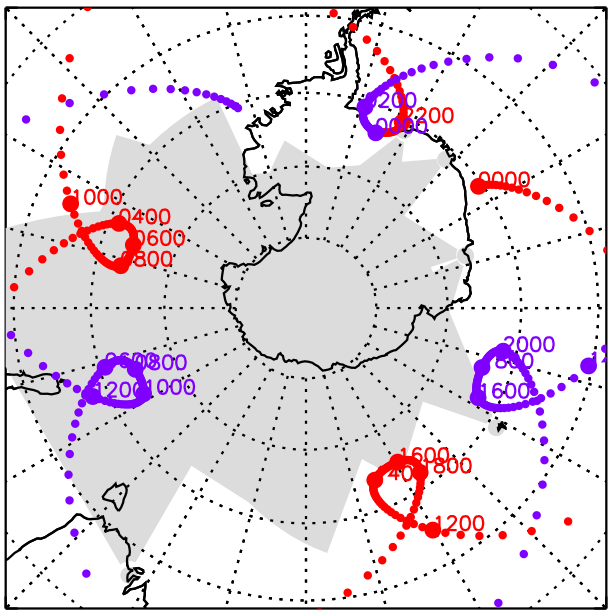

(c) 2010UT to 2355UT
cve fhe gbr inv sas wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

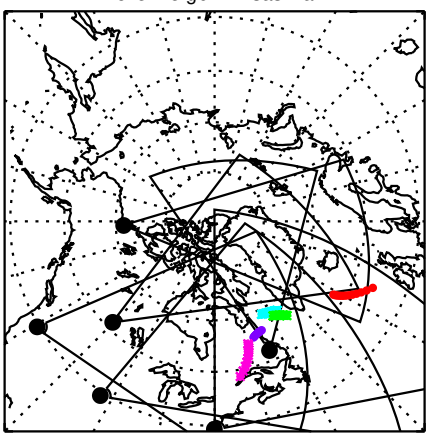
04–Feb–2017

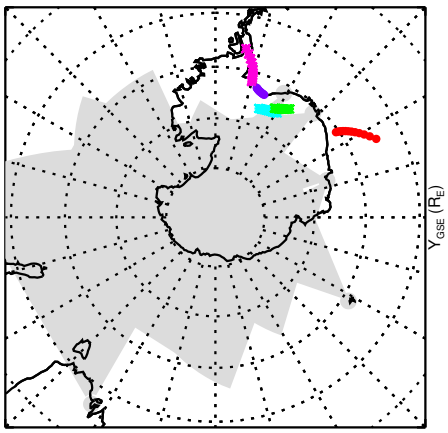
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

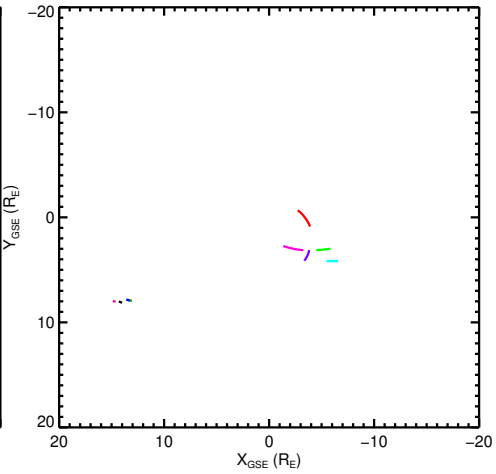




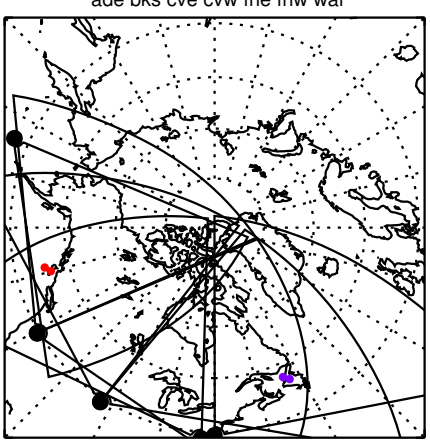
(a) 0000UT to 0100UT
cve fhe gbr inv sas wal



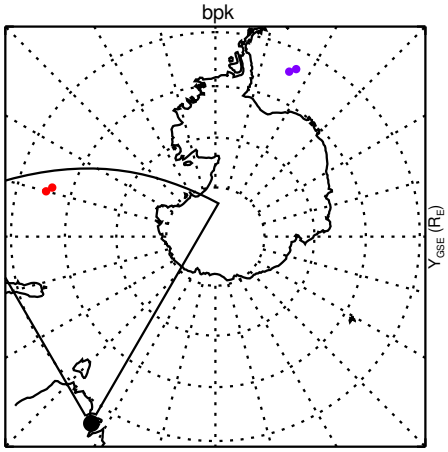


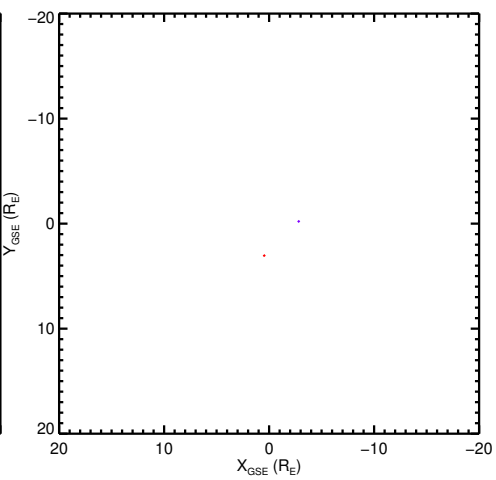


(b) 0305UT to 0310UT
ade bks cve cvw fhe fhw wal



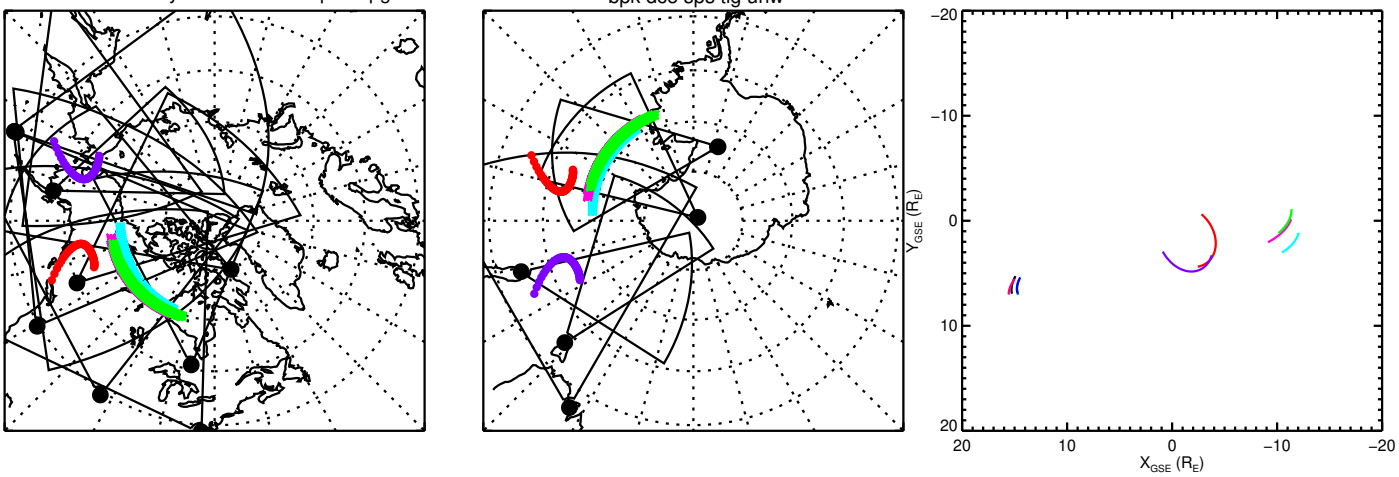
bpk





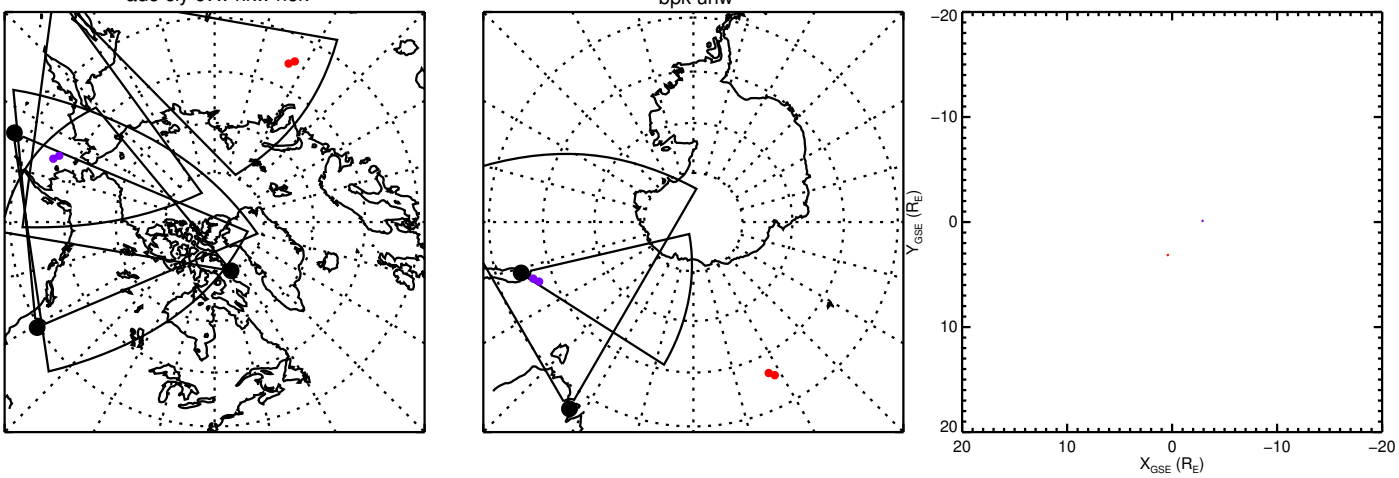
(c) 0515UT to 0955UT
ade adw bks cly cvw fhw hok kap ksr pgr

bpk dce sps tig unw



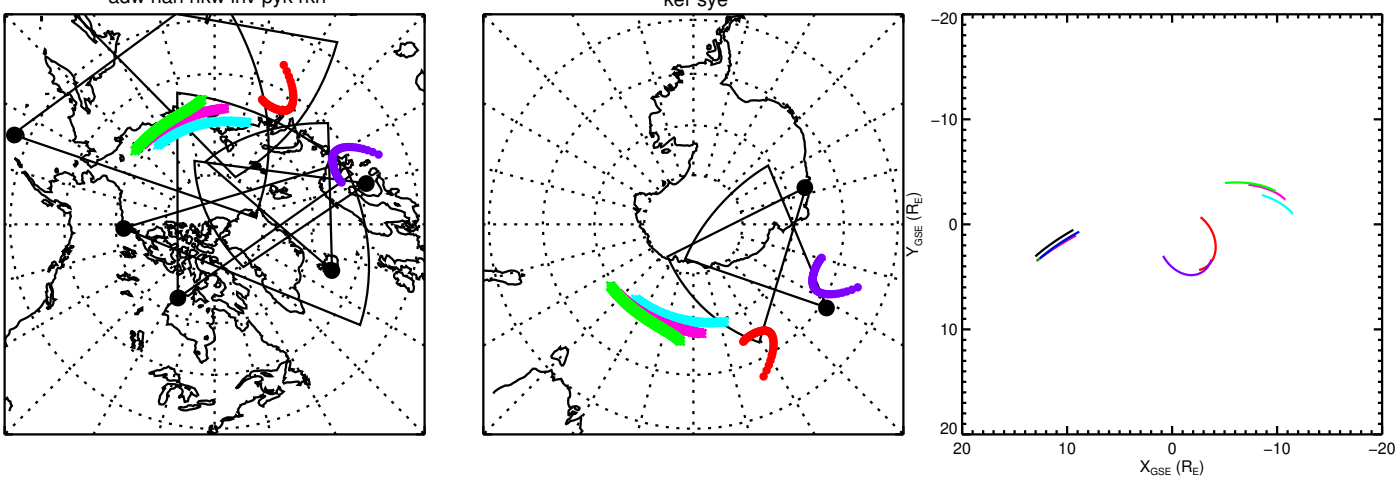
(d) 1205UT to 1210UT
ade cly cvw hkw hok

bpk unw

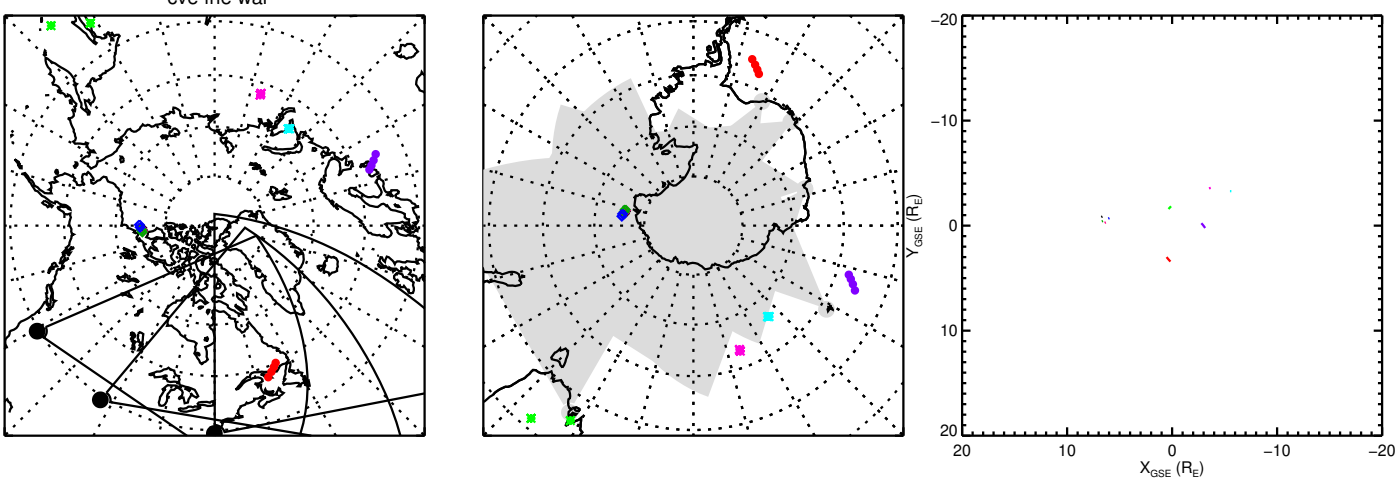


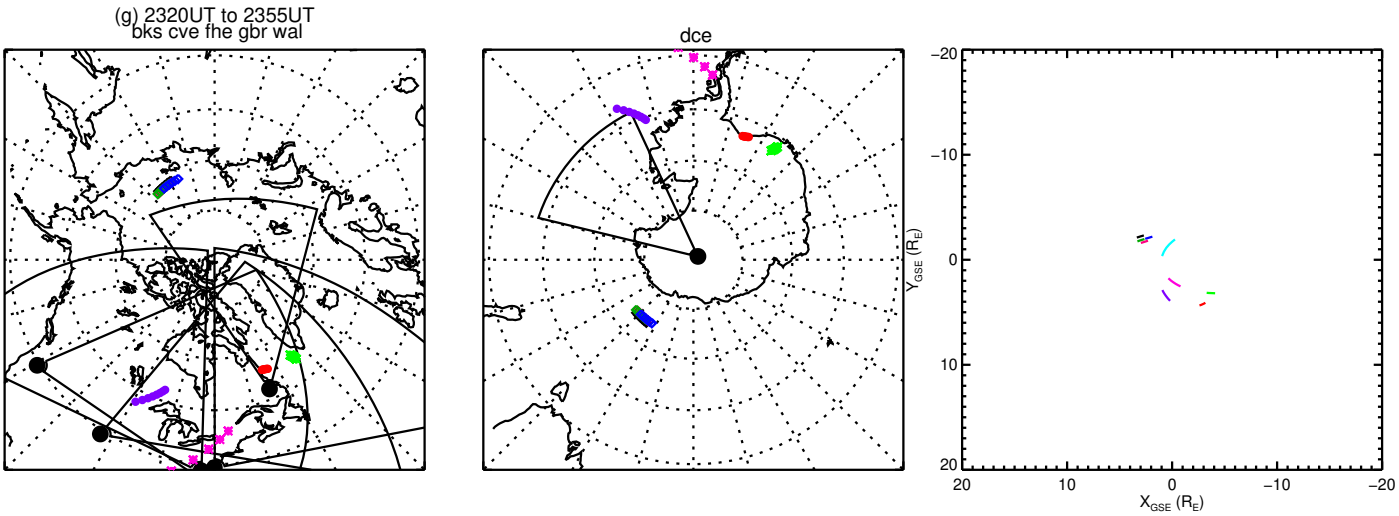
(e) 1420UT to 1855UT
adw han hkw inv pyk rkn

ker sye



(f) 2100UT to 2115UT
cve fhe wal

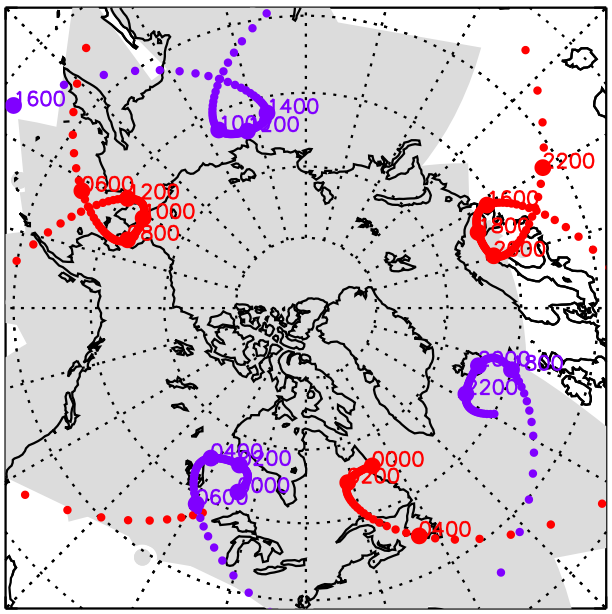


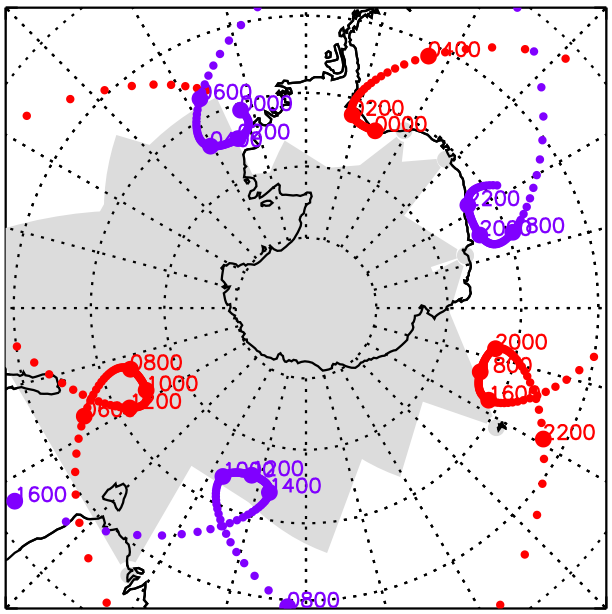

(g) 2320UT to 2355UT
bks cve fhe gbr wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

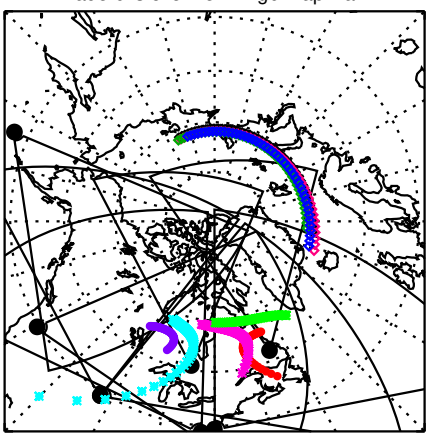
05–Feb–2017

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

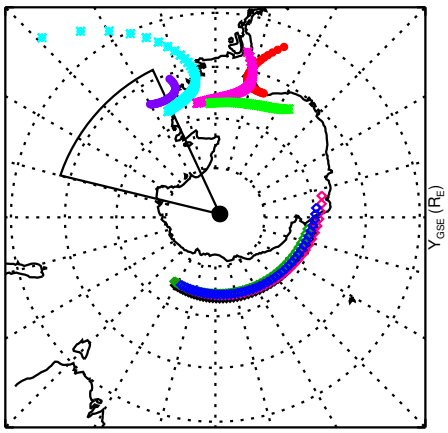


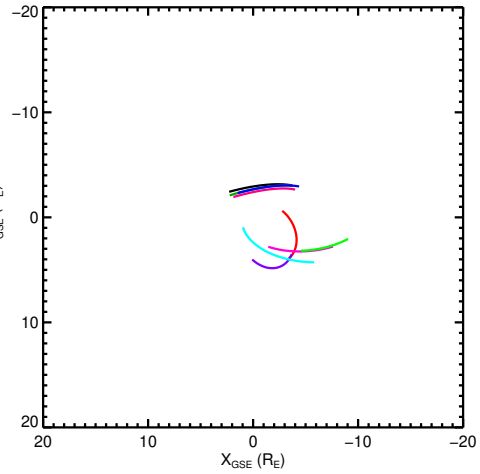


(a) 0000UT to 0350UT
ade bks cve fhe fhw gbr kap wal

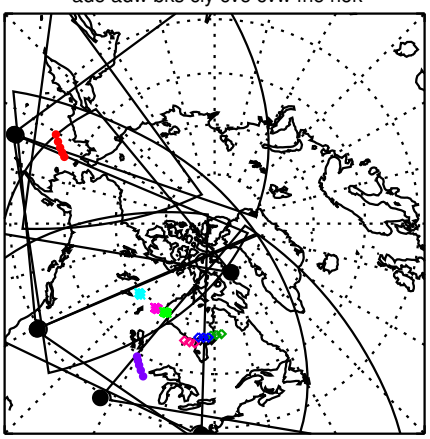


dce

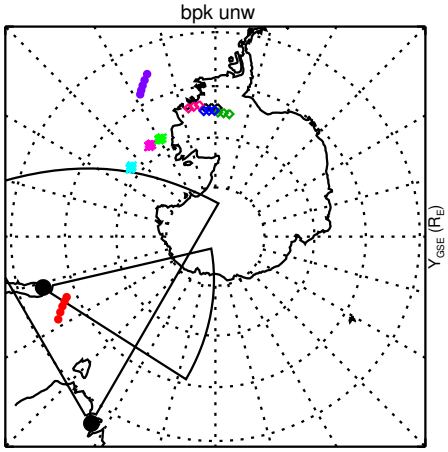


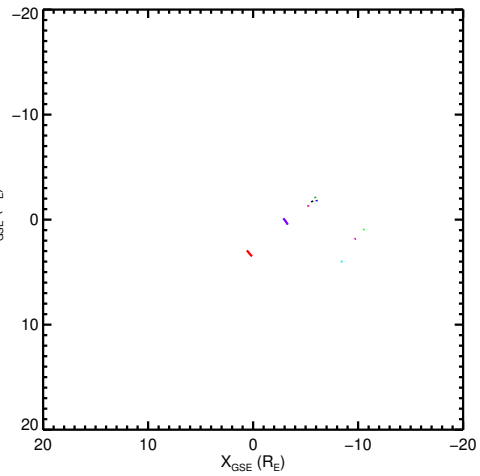


(b) 0555UT to 0615UT
ade adw bks cly cve cvw fhe hok



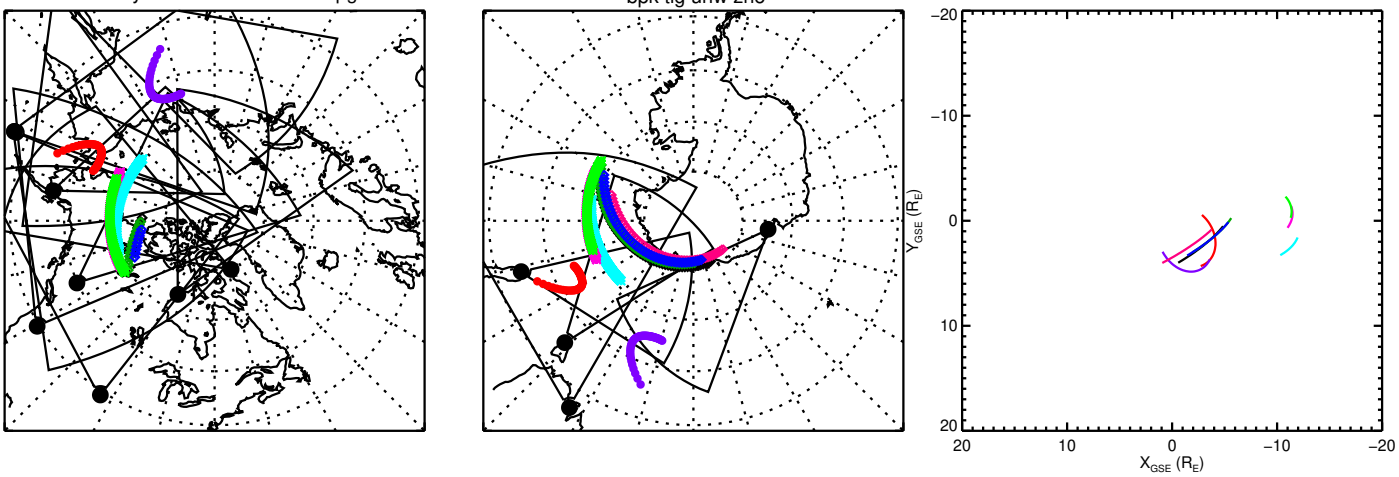
bpk unw





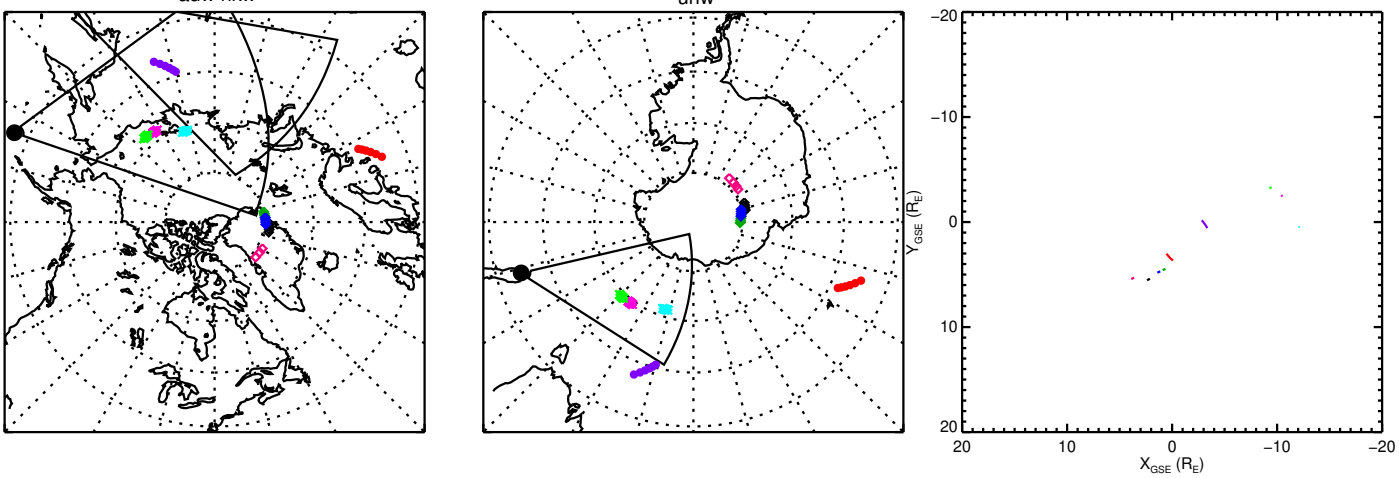
(c) 0825UT to 1245UT
ade adw cly cvw fhw hkw hok ksr pgr rkn

bpk tig unw zho



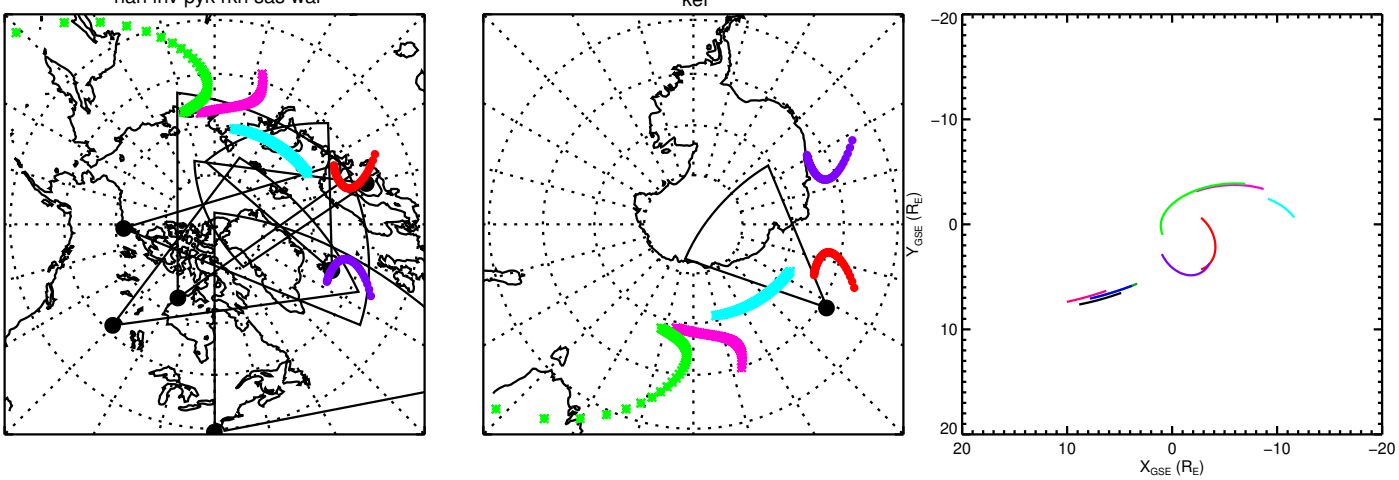
(d) 1455UT to 1520UT
adw hkw

unw

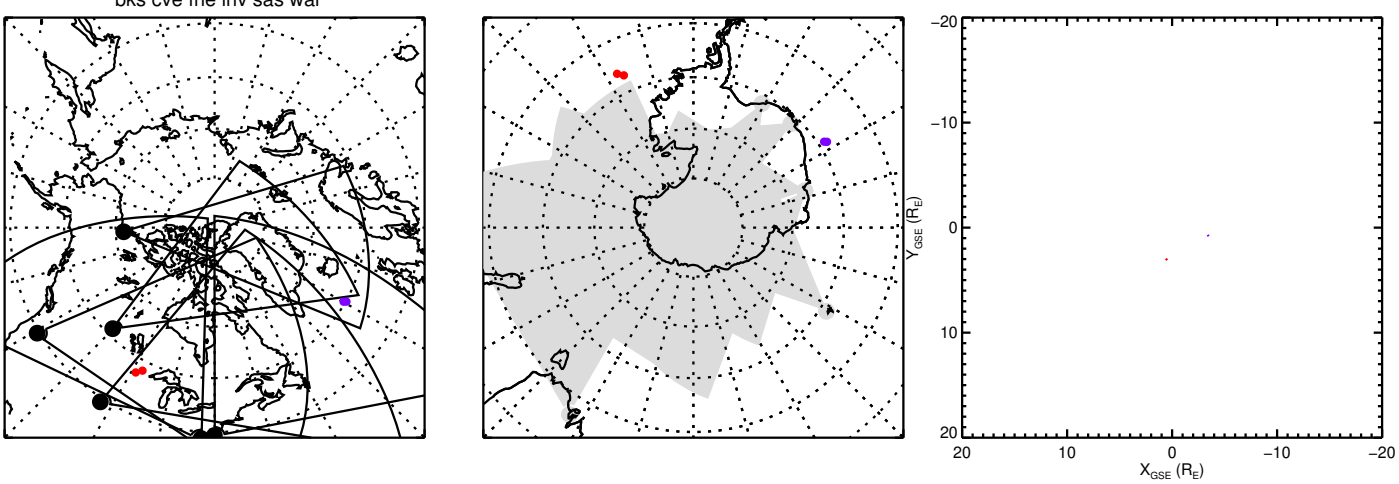


(e) 1725UT to 2145UT
han inv pyk rkn sas wal

ker



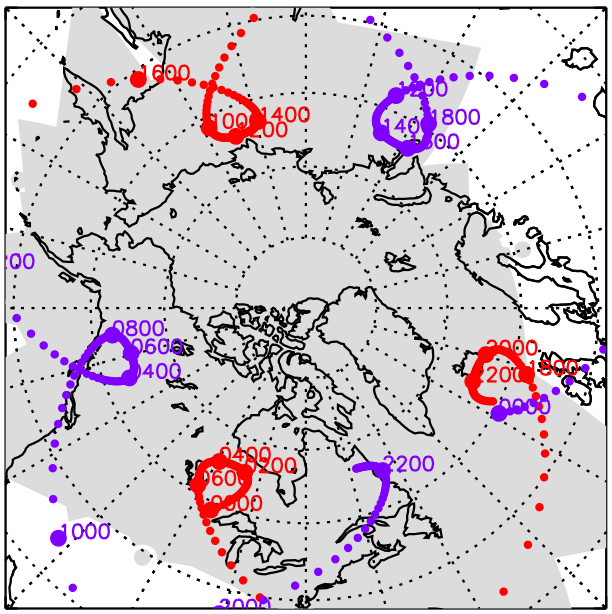
(f) 2350UT to 2355UT
bks cve fhe inv sas wal

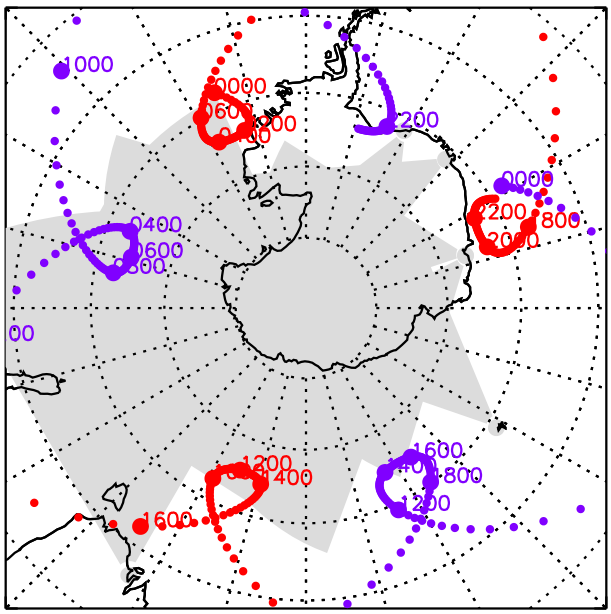


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

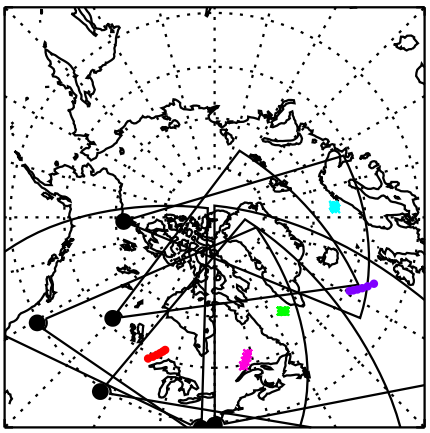
06–Feb–2017

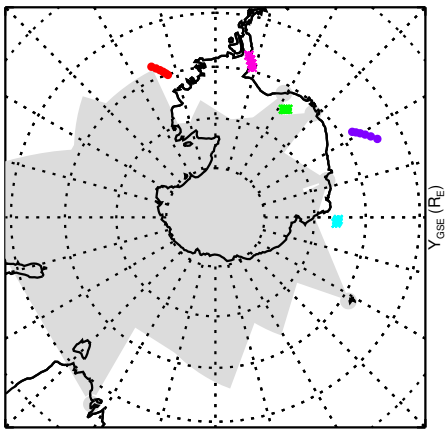
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

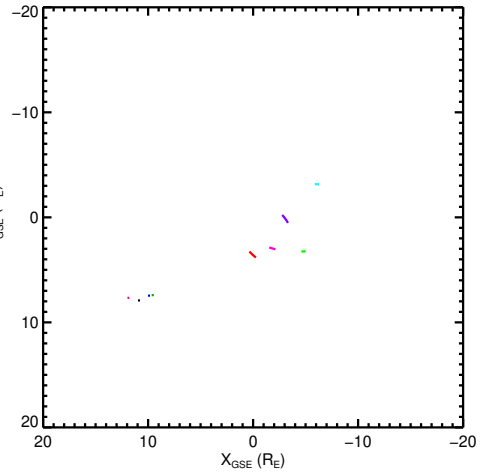




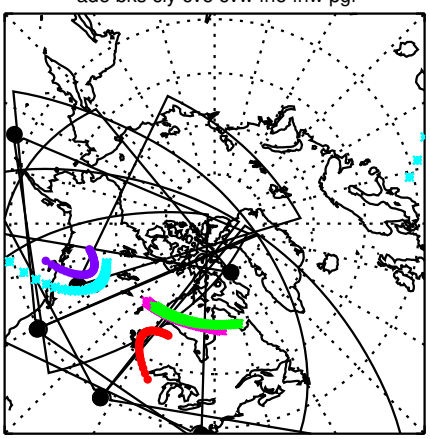
(a) 0000UT to 0025UT
bks cve fhe inv sas wal



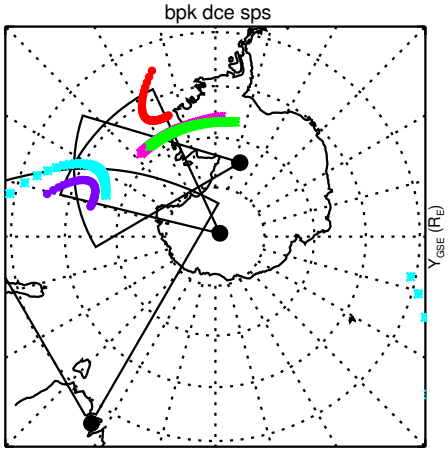


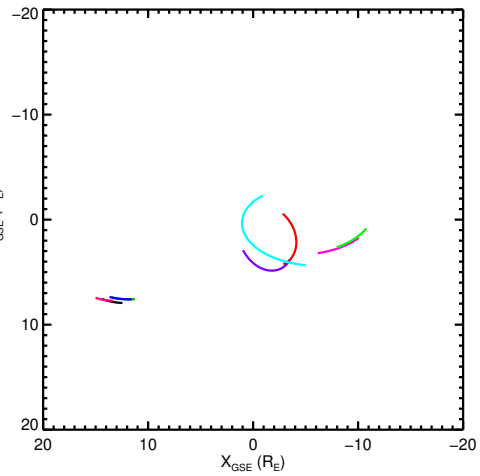


(b) 0230UT to 0640UT
ade bks cly cve cvw fhe fhw pgr

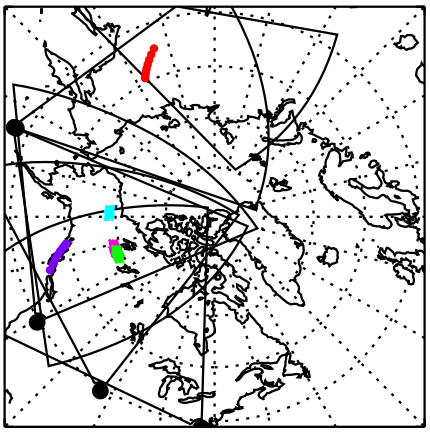


bpk dce sps

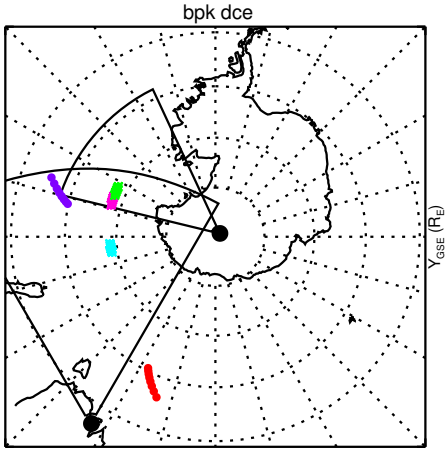


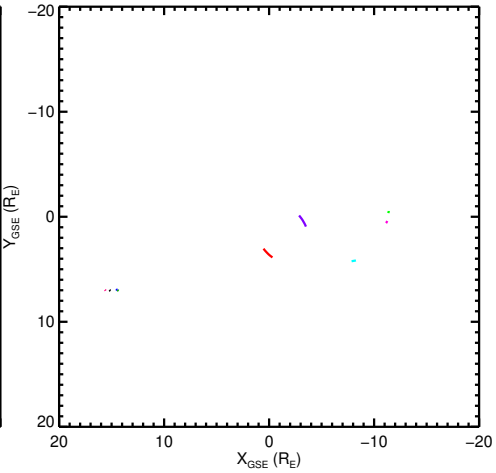


(c) 0850UT to 0925UT
ade adw bks cvw fhw hkw

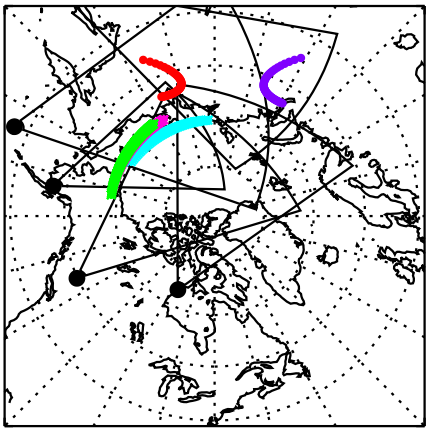


bpk dce

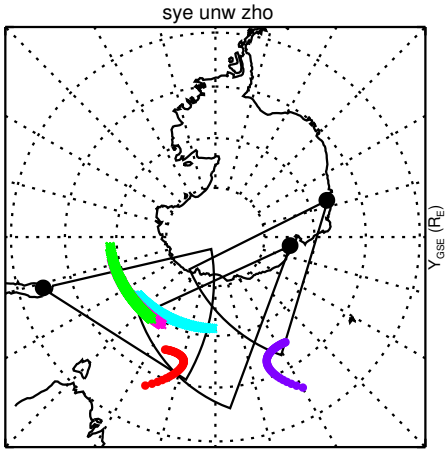


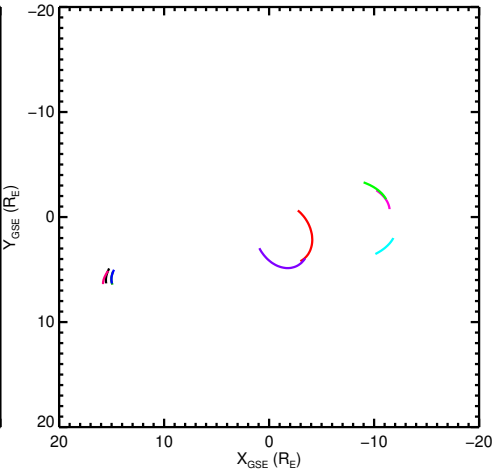


(d) 1135UT to 1540UT
adw hkw ksr pgr rkn

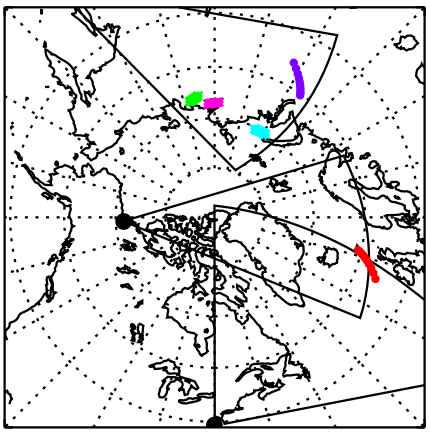


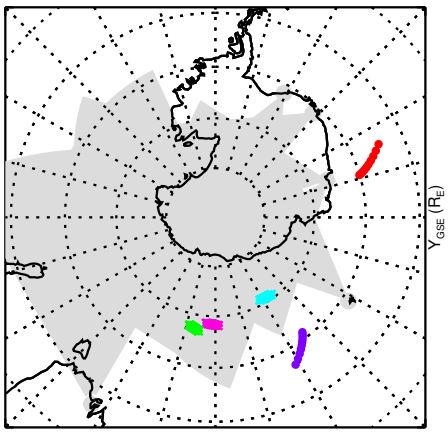
sye unw zho

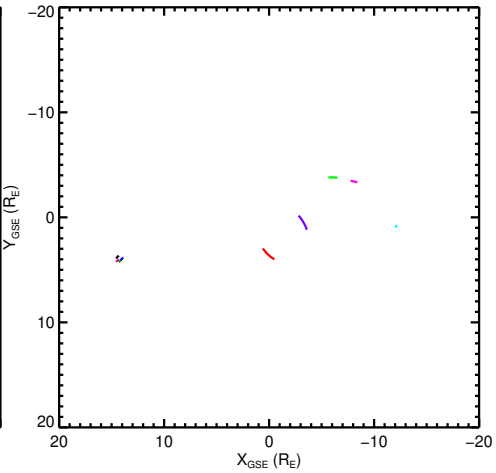




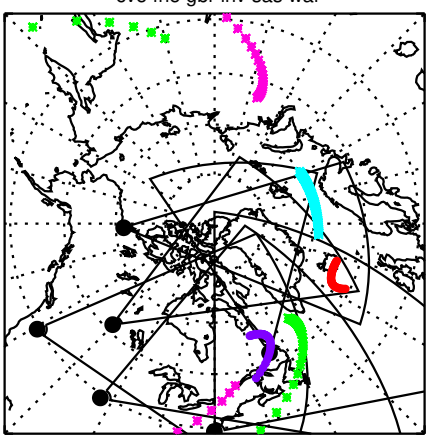
(e) 1745UT to 1830UT
hkw inv wal

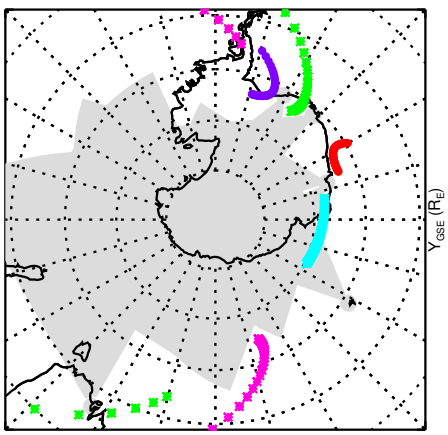


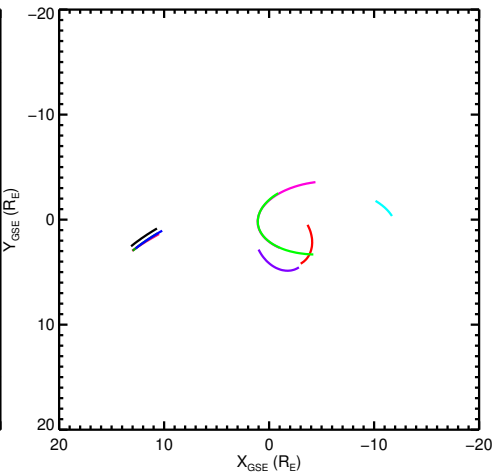




(f) 2035UT to 2355UT
cve fhe gbr inv sas wal



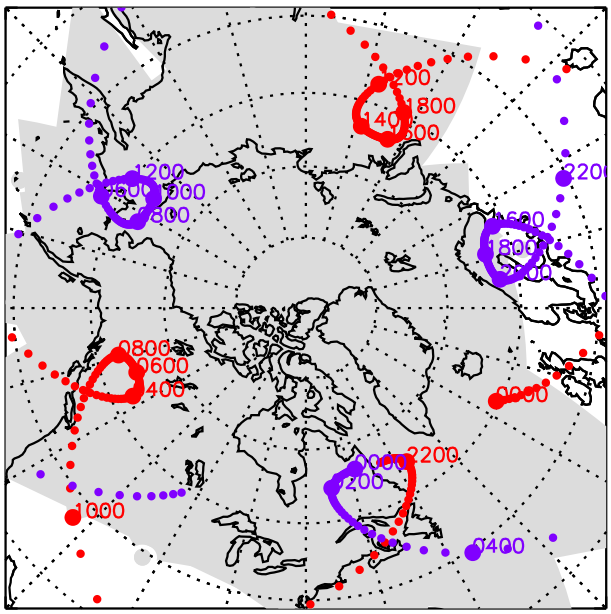


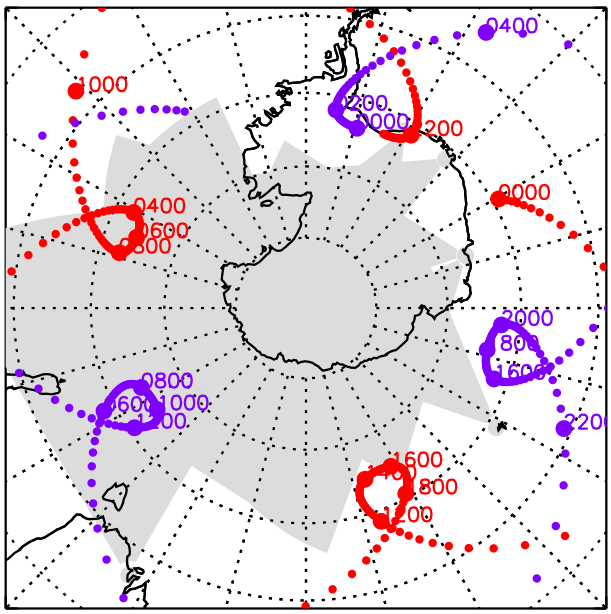


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

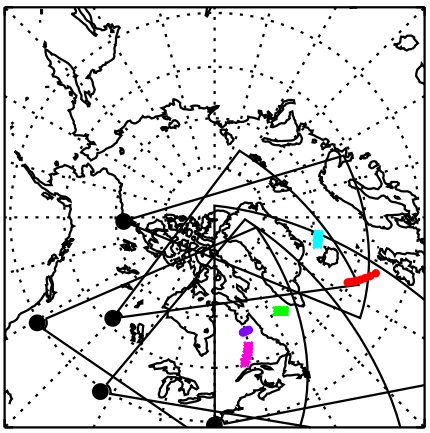
07–Feb–2017

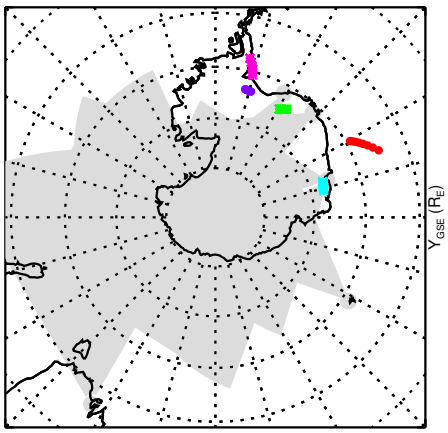
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

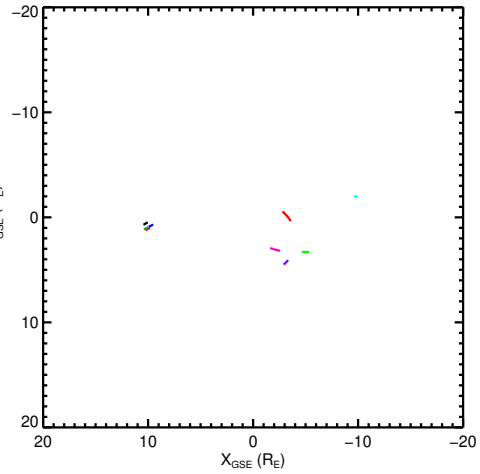




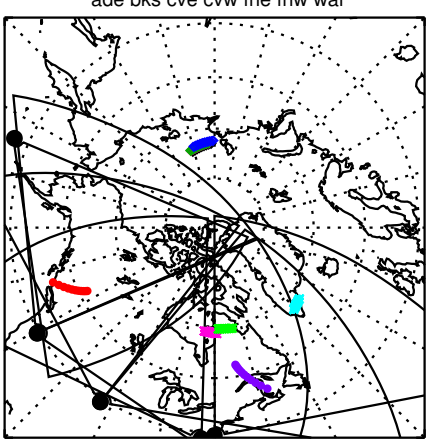
(a) 0000UT to 0035UT
cve fhe inv sas wal



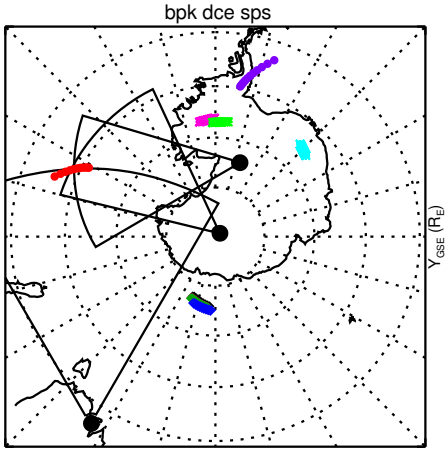


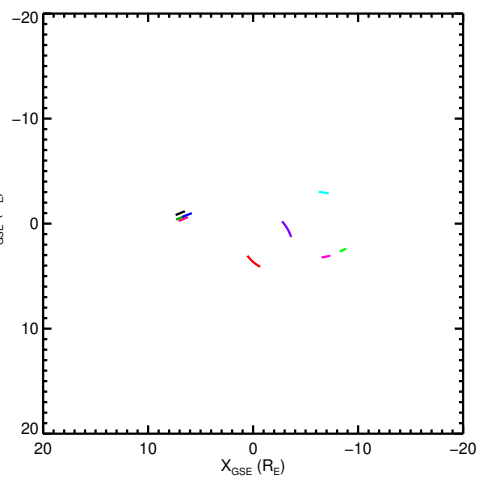


(b) 0245UT to 0335UT
ade bks cve cvw fhe fhw wal



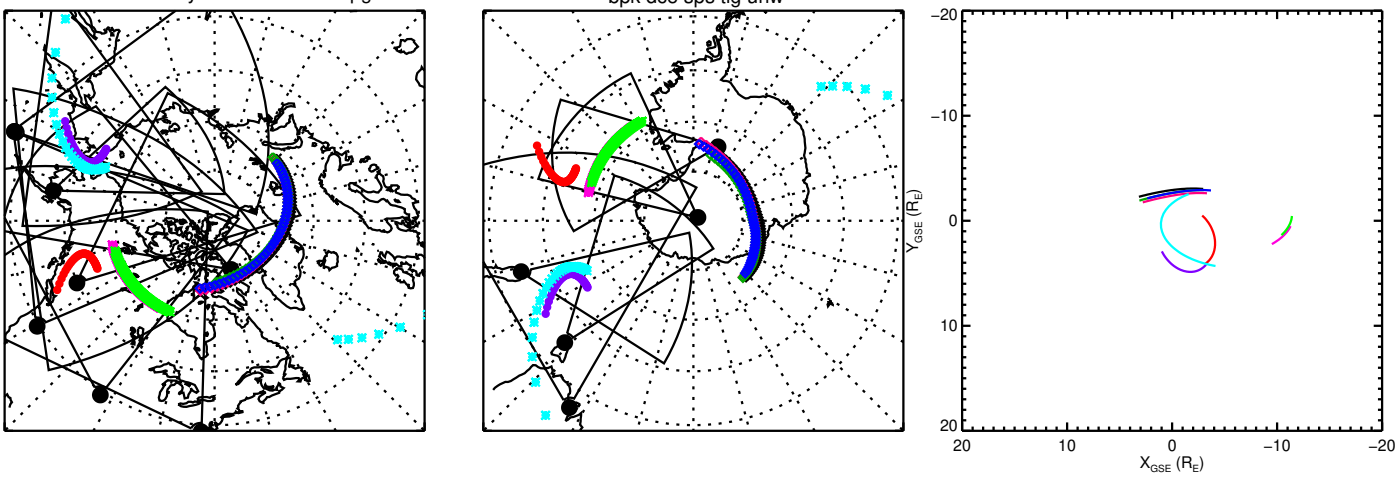
bpk dce sps





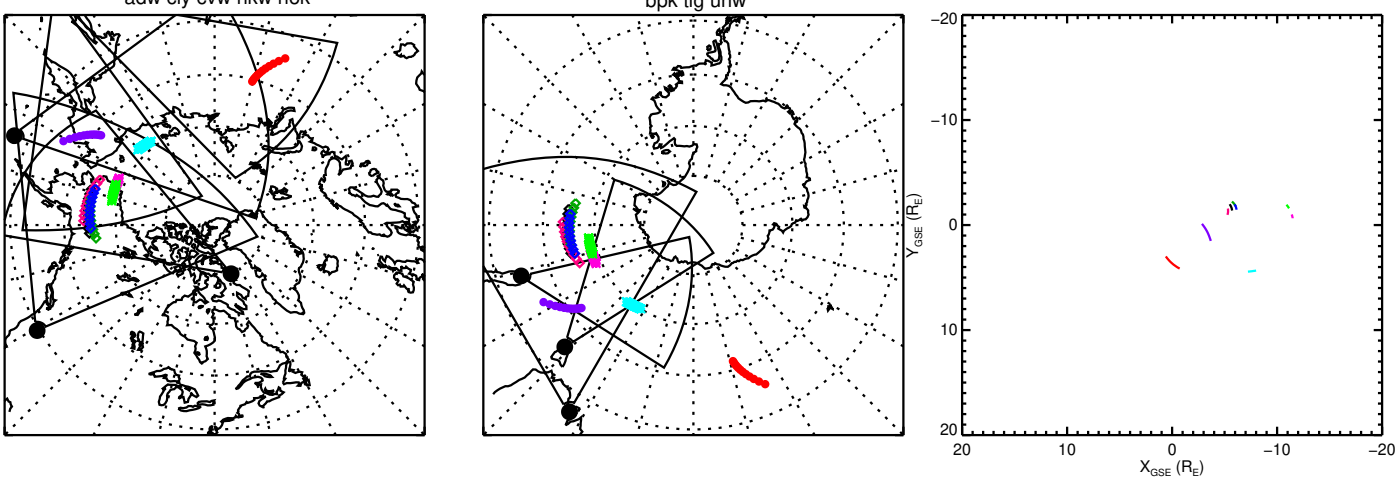
(c) 0540UT to 0930UT
ade adw bks cly cvw fhw hok ksr pgr

bpk dce sps tig unw



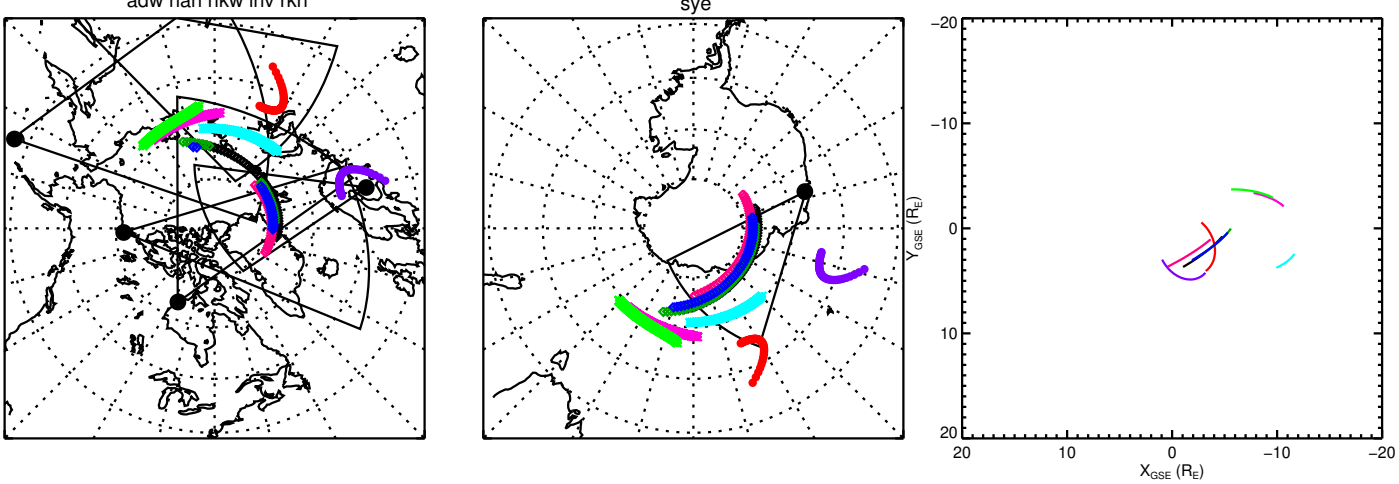
(d) 1140UT to 1235UT
adw cly cvw hkw hok

bpk tig unw

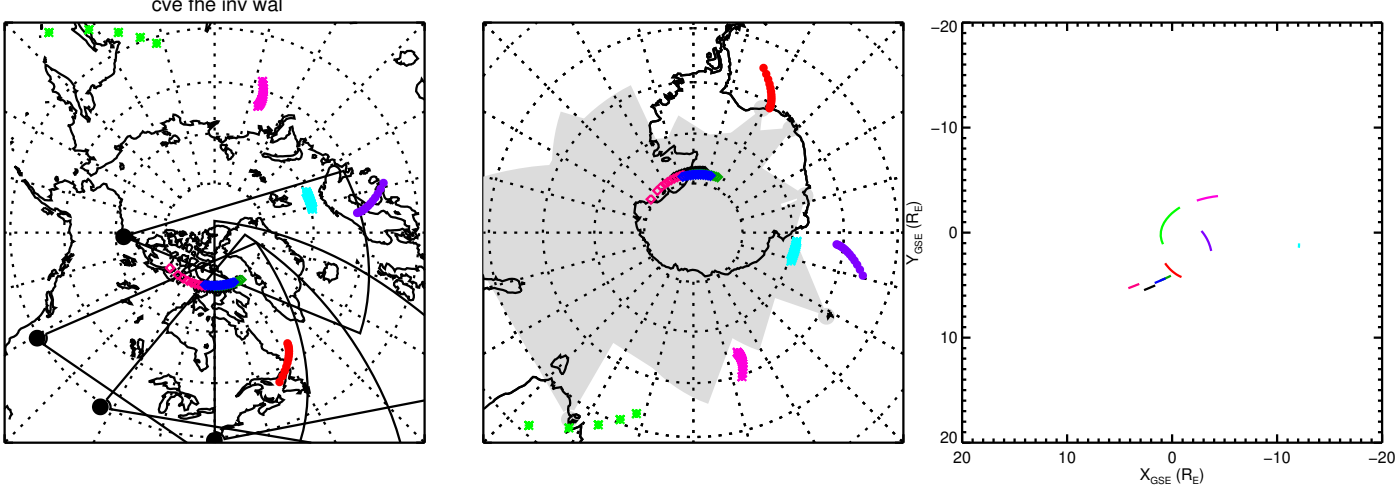


(e) 1445UT to 1830UT
adw han hkw inv rkn

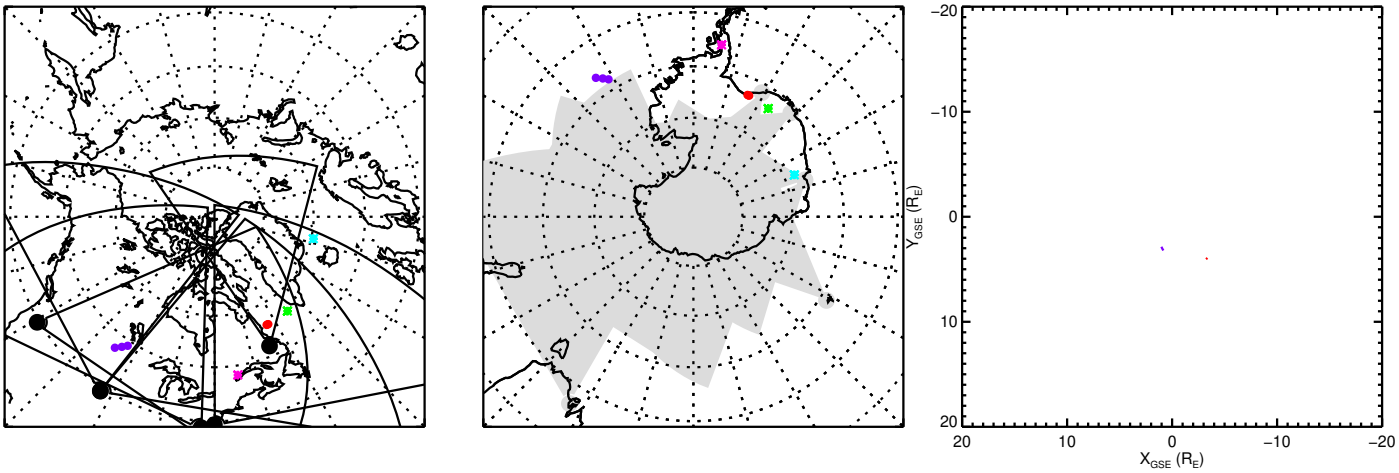
sye



(f) 2035UT to 2140UT
cve fhe inv wal



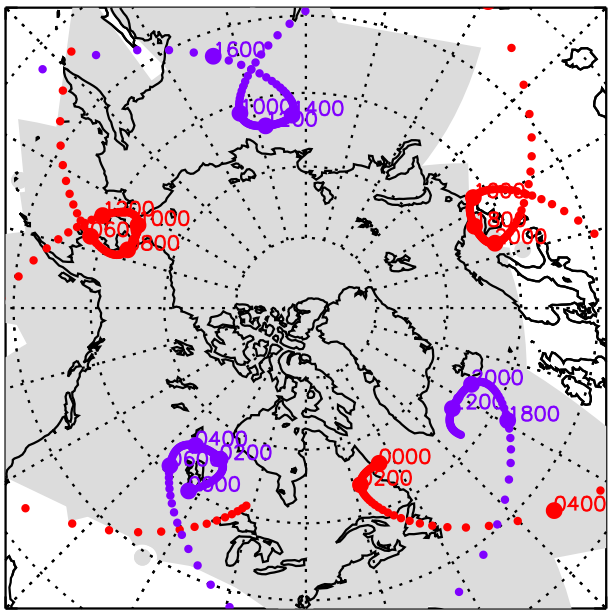
(g) 2345UT to 2355UT
bks cve fhe fhw gbr wal

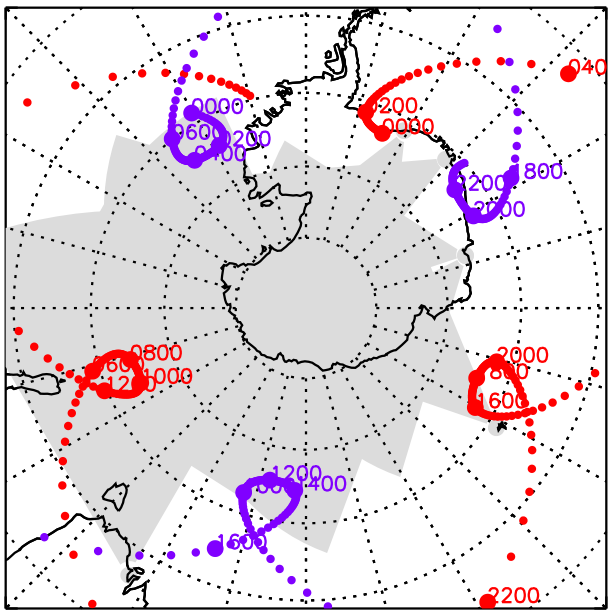


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

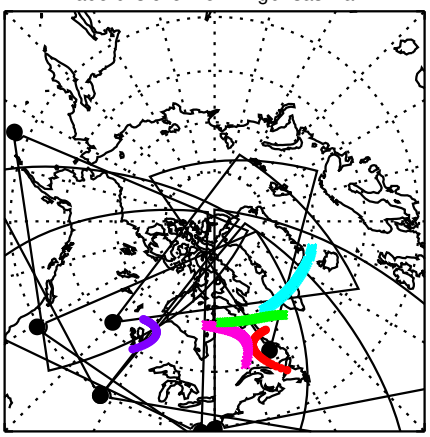
08–Feb–2017

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

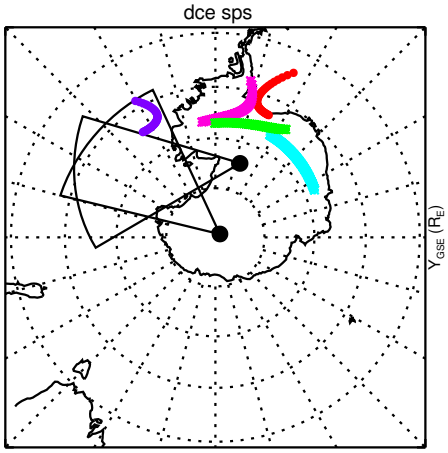


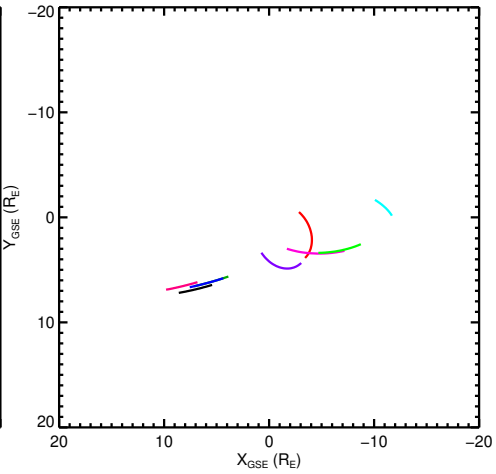


(a) 0000UT to 0325UT
ade bks cve fhe fhw gbr sas wal

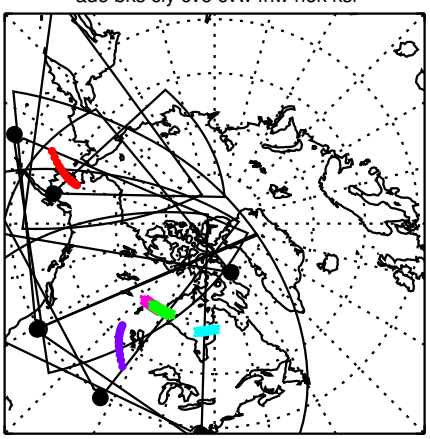


dce sps

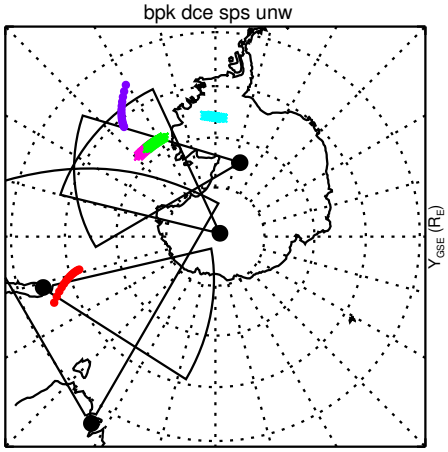


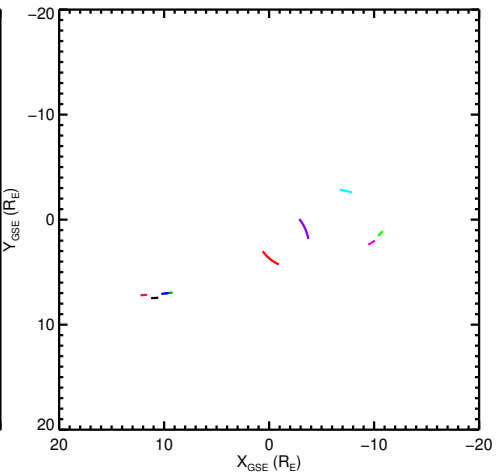


(b) 0535UT to 0640UT
ade bks cly cve cvw fhw hok ksr

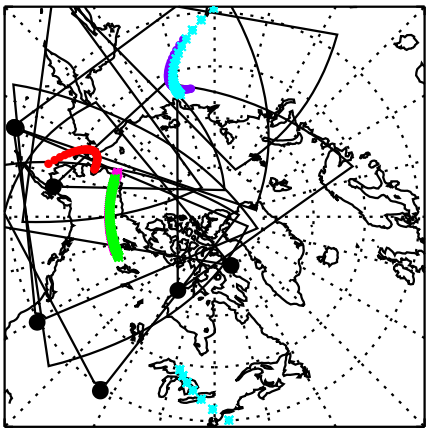


bpk dce sps unw

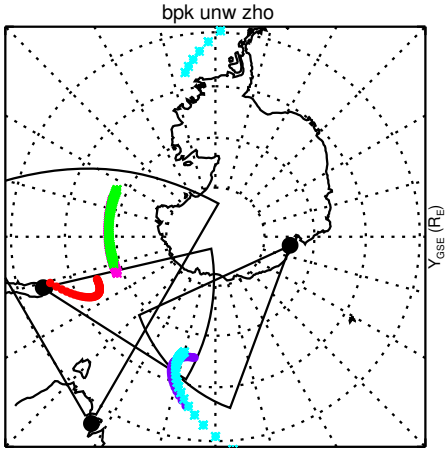


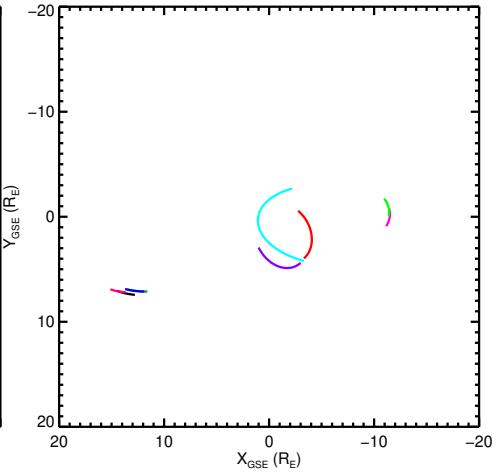


(c) 0850UT to 1225UT
ade adw cly cvw fhw hkw hok ksr rkn

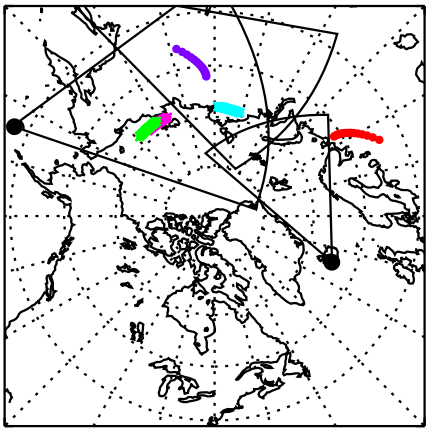


bpk unw zho

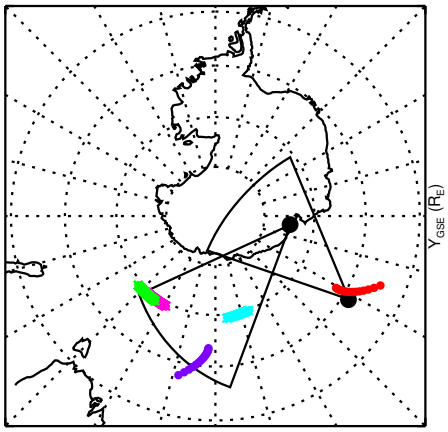


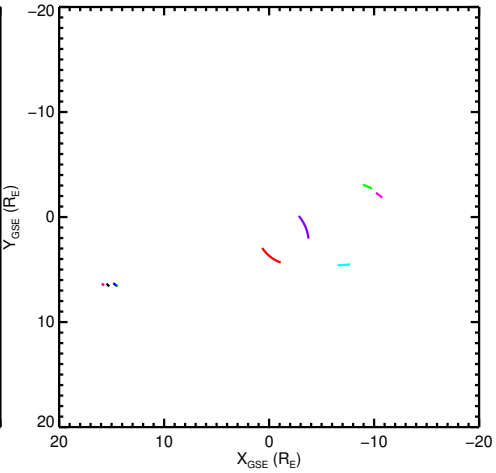


(d) 1430UT to 1545UT
adw hkw pyk

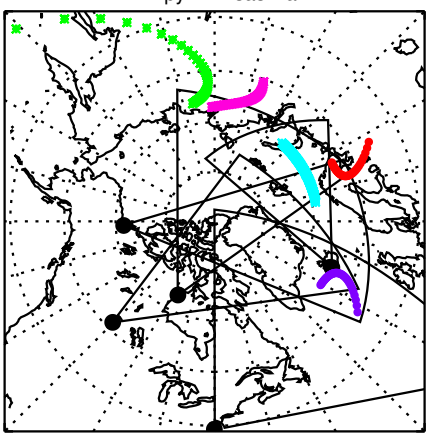


ker zho

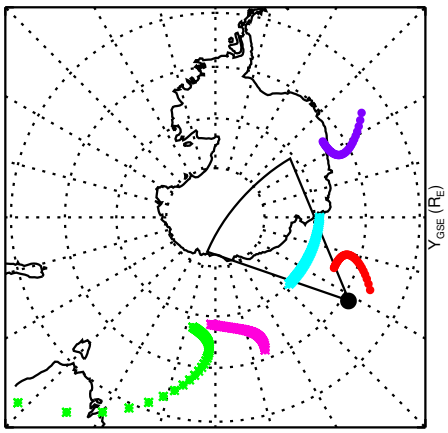


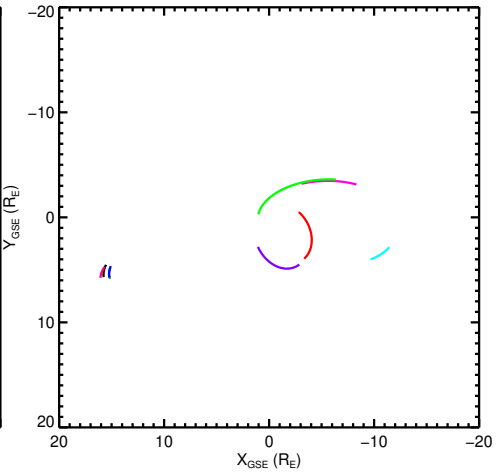


(e) 1750UT to 2120UT
inv pyk rkn sas wal

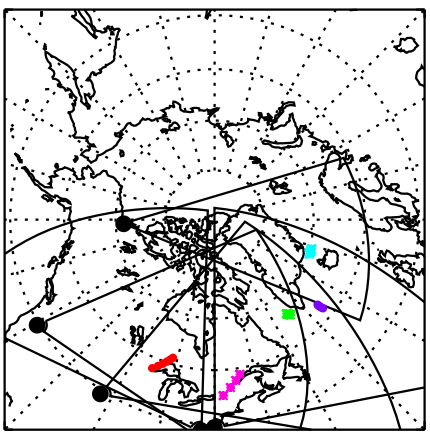


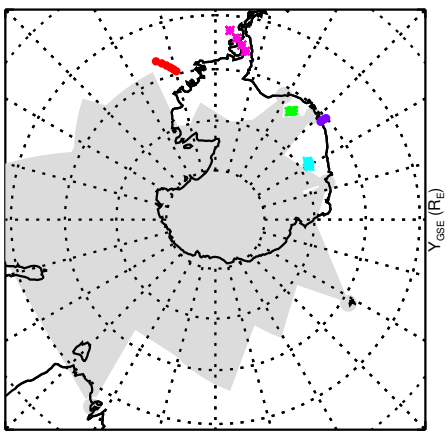
ker

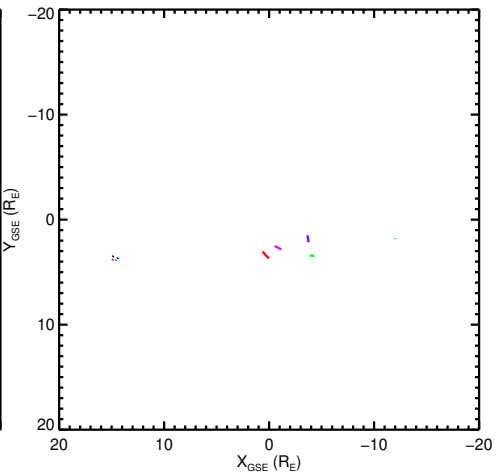




(f) 2330UT to 2355UT
bks cve fhe inv wal



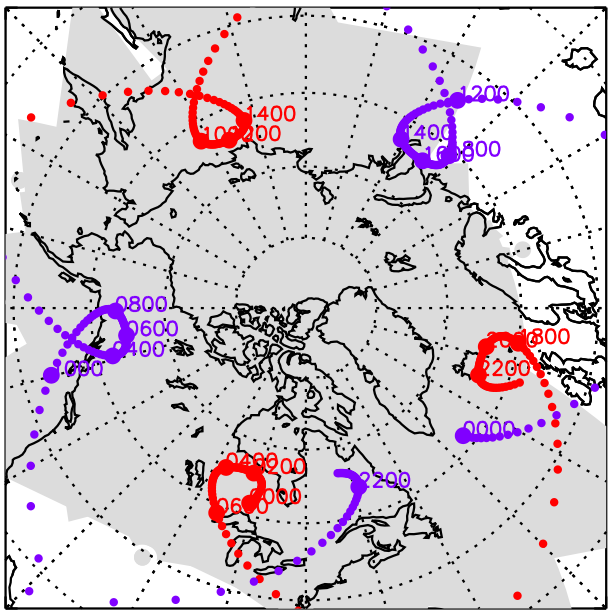


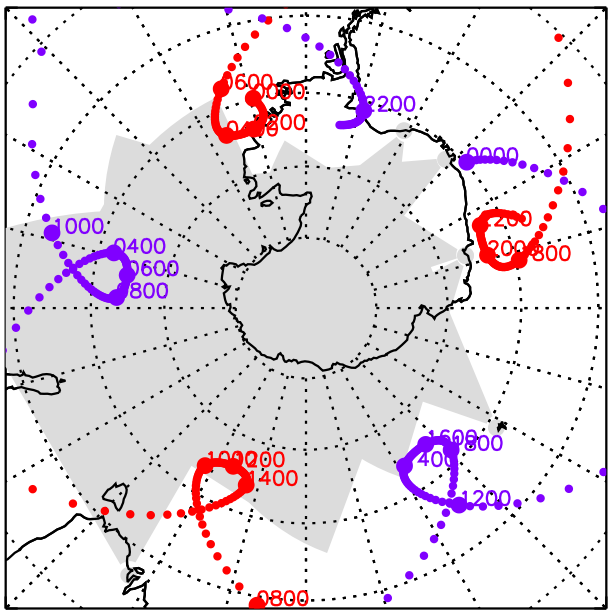


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

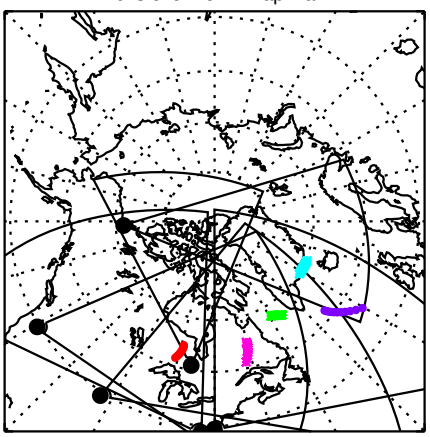
09–Feb–2017

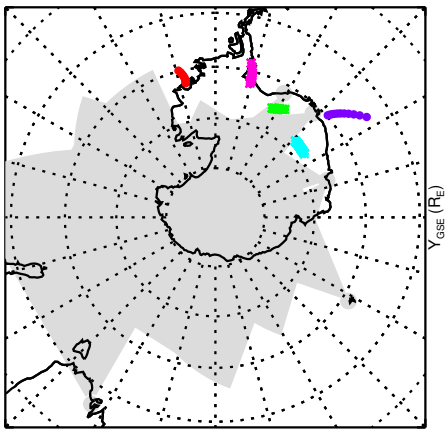
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

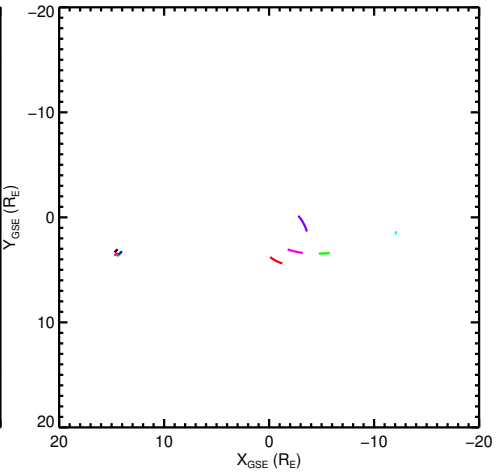




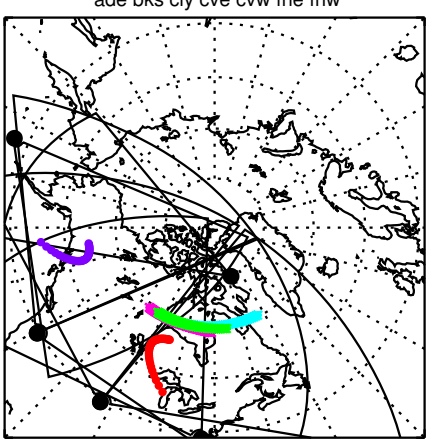
(a) 0000UT to 0050UT
bks cve fhe inv kap wal



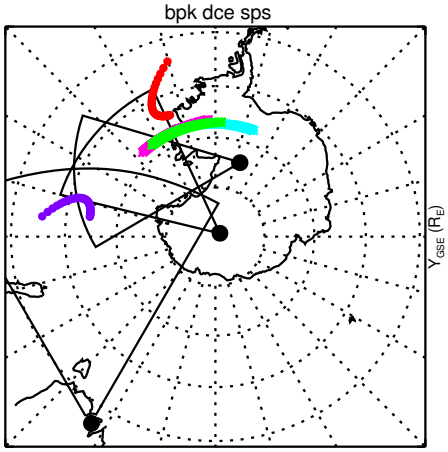


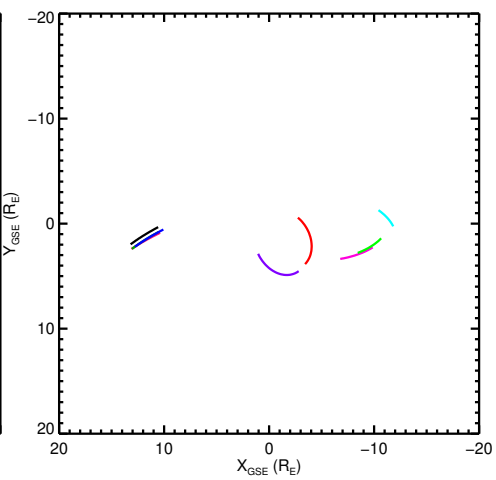


(b) 0255UT to 0620UT
ade bks cly cve cvw fhe fhw



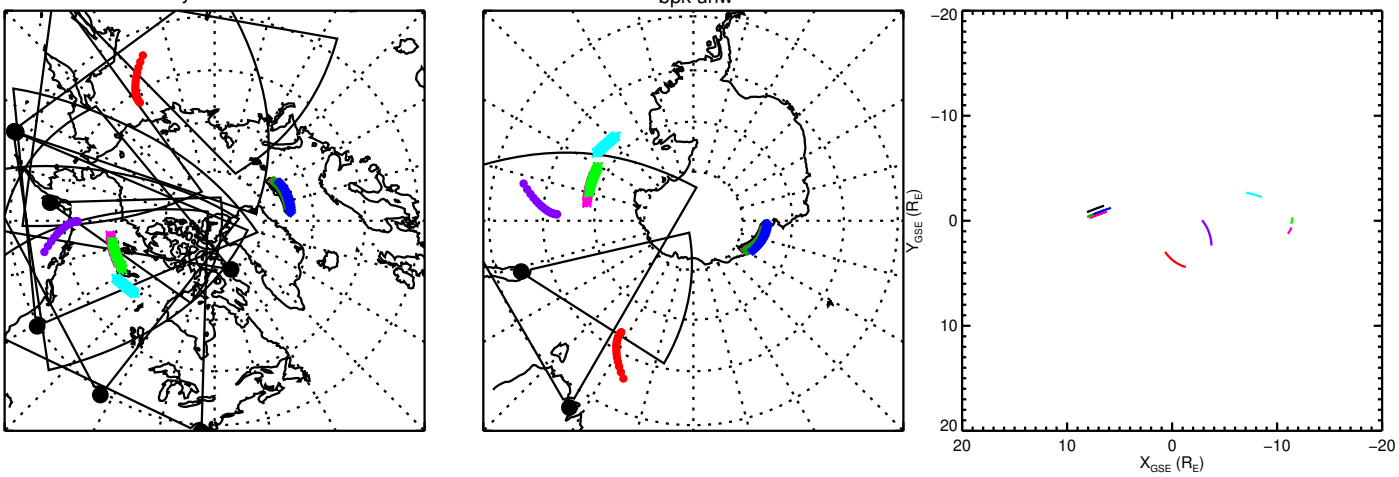
bpk dce sps





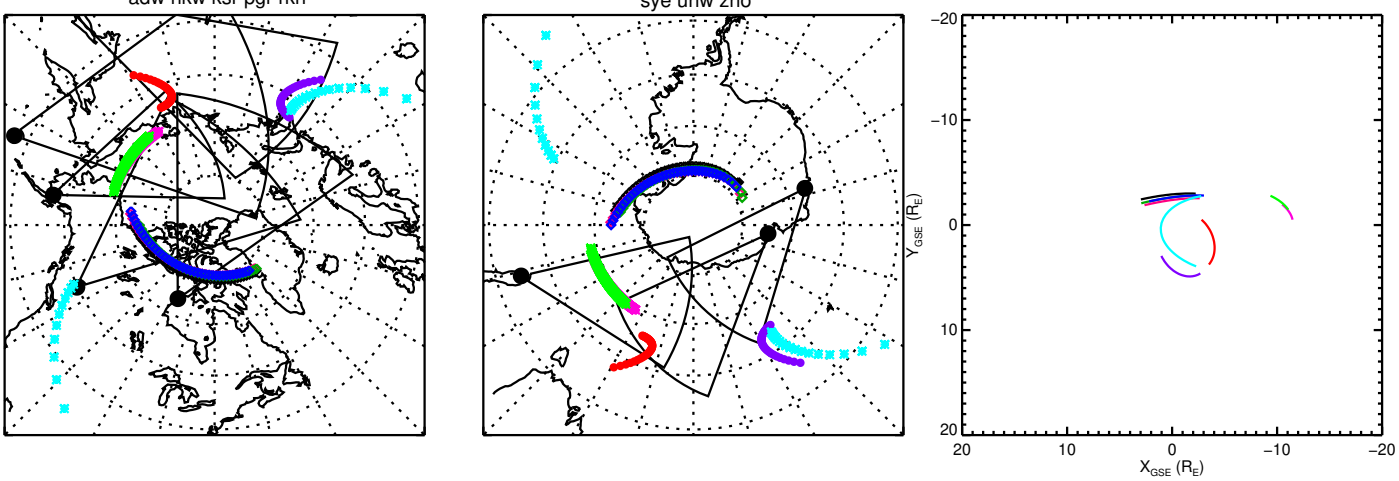
(c) 0825UT to 0950UT
ade adw bks cly cvw fhw hkw hok kod

bpk unw

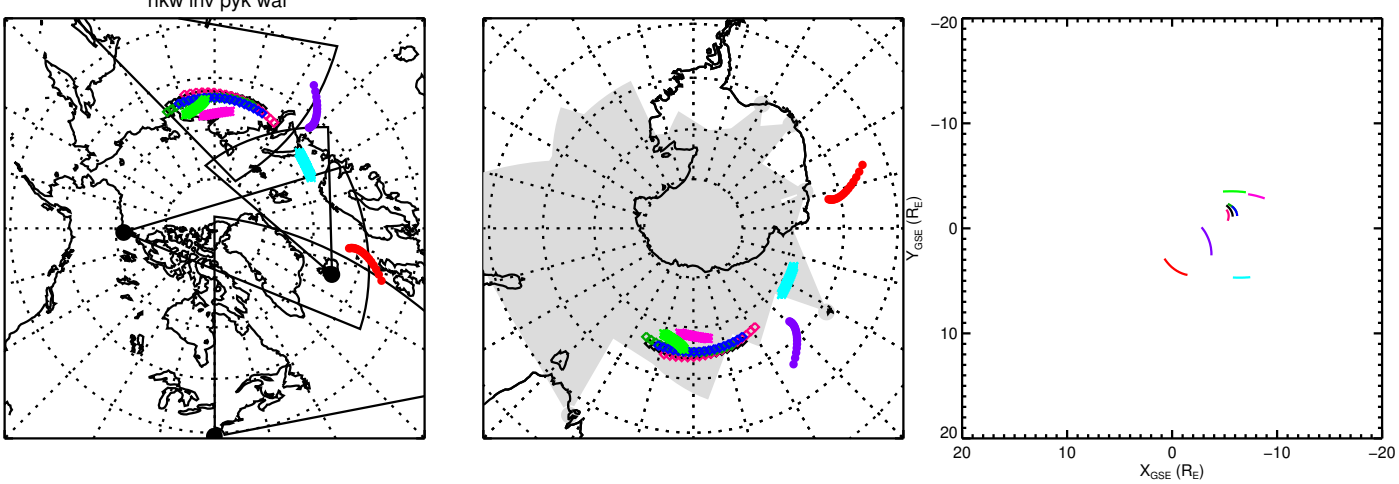


(d) 1200UT to 1515UT
adw hkw ksr pgr rkn

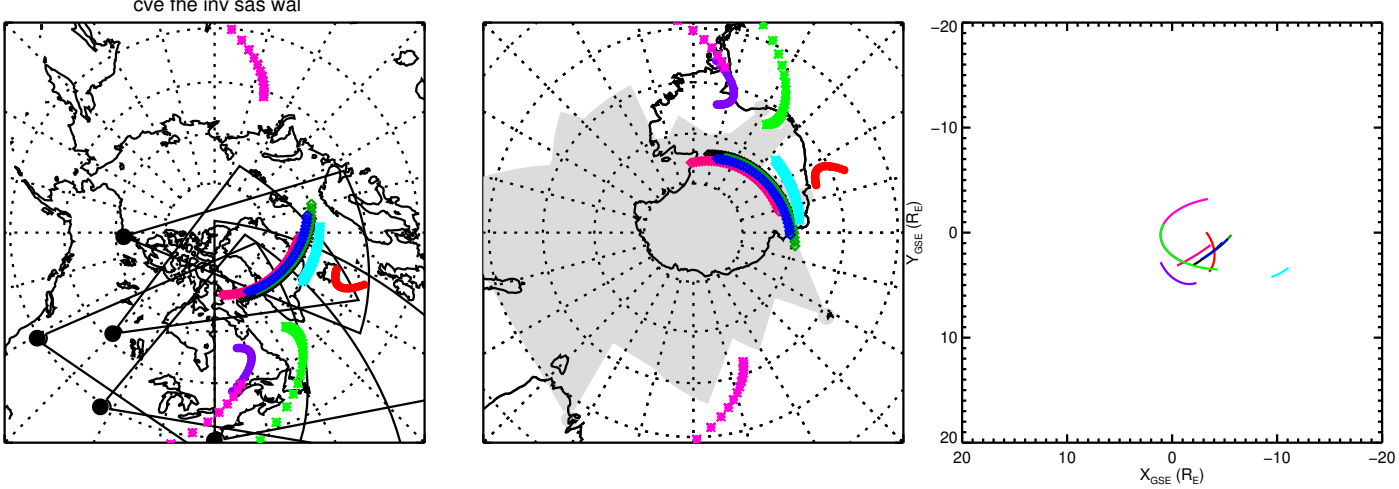
sye unw zho



(e) 1720UT to 1855UT
hkw inv pyk wal



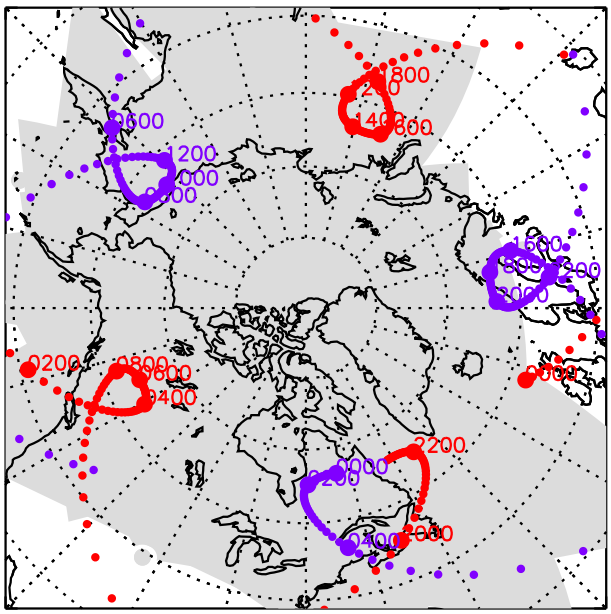
(f) 2100UT to 2355UT
cve fhe inv sas wal

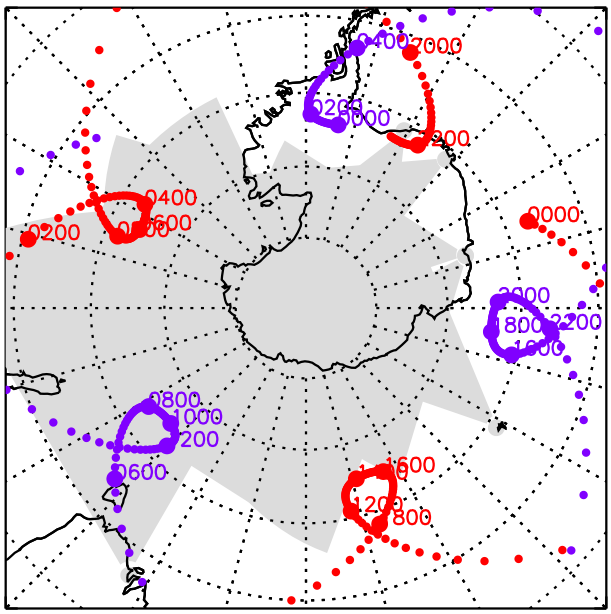


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

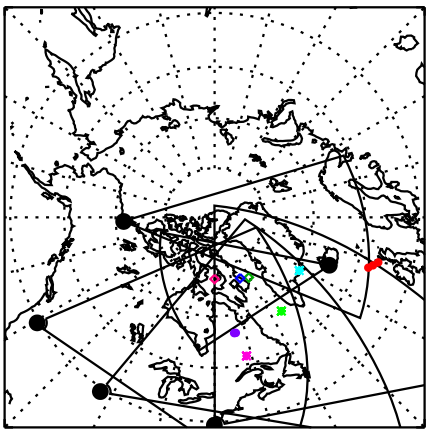
10–Feb–2017

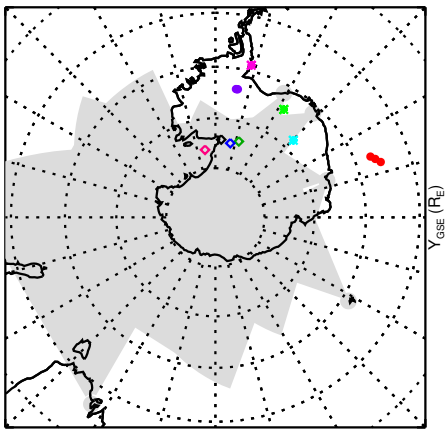
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

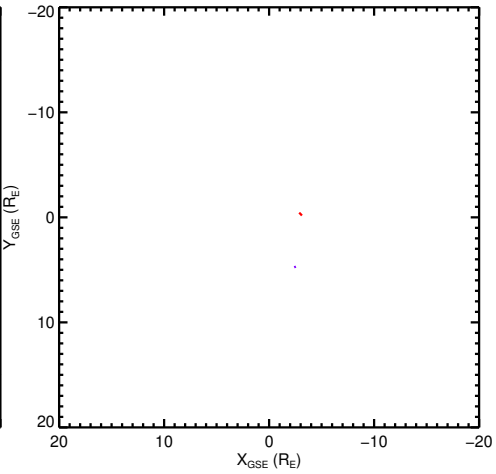




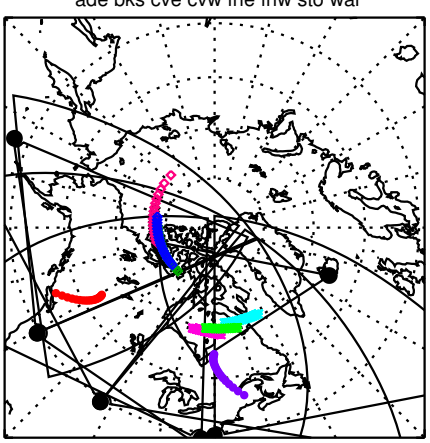
(a) 0000UT to 0010UT
cve fhe inv sto wal



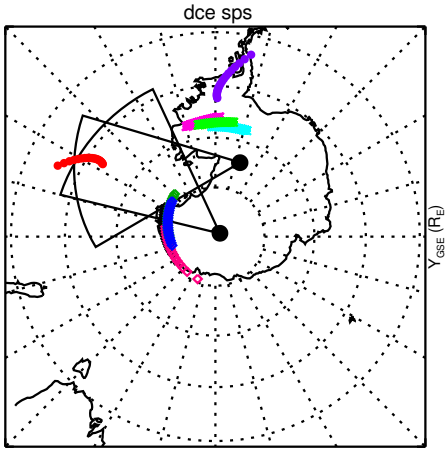


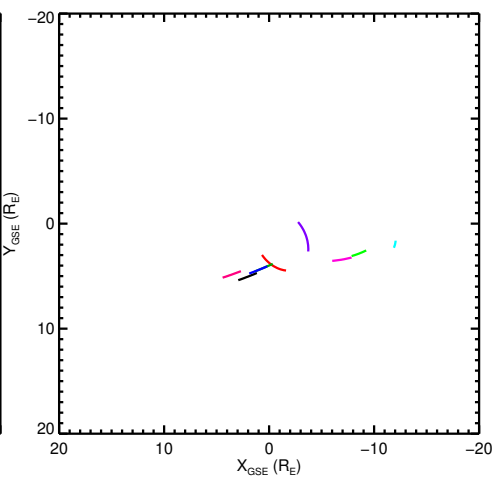


(b) 0220UT to 0400UT
ade bks cve cvw fhe fhw sto wal

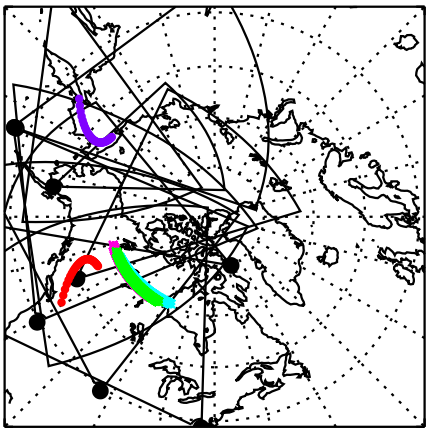


dce sps

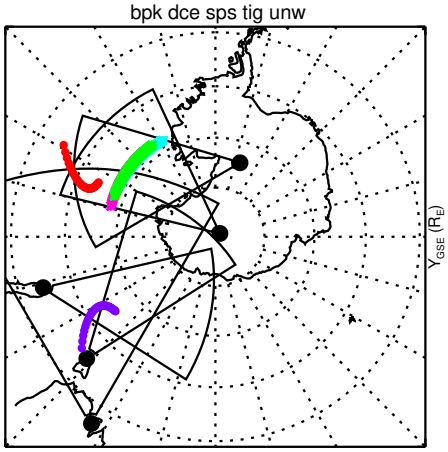


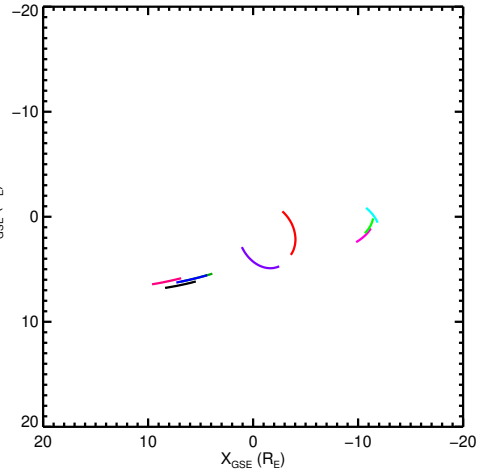


(c) 0605UT to 0910UT
ade adw bks cly cvw fhw hok ksr pgr

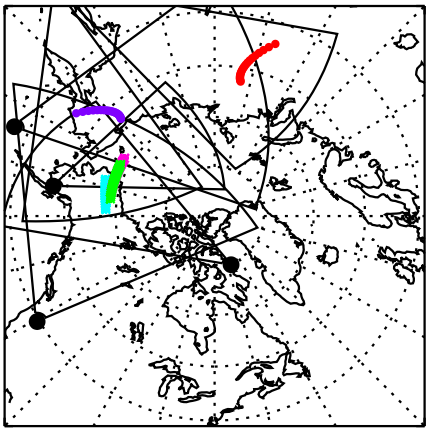


bpk dce sps tig unw

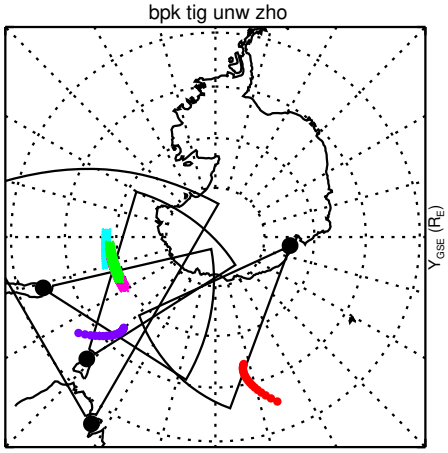


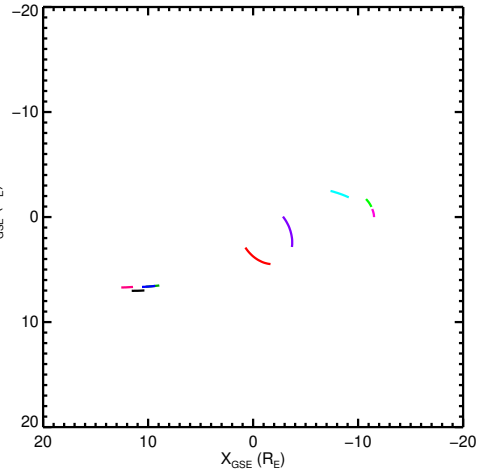


(d) 1115UT to 1300UT
adw cly cvw hkw hok ksr

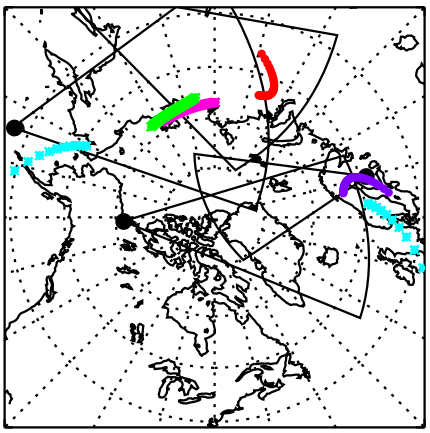


bpk tig unw zho

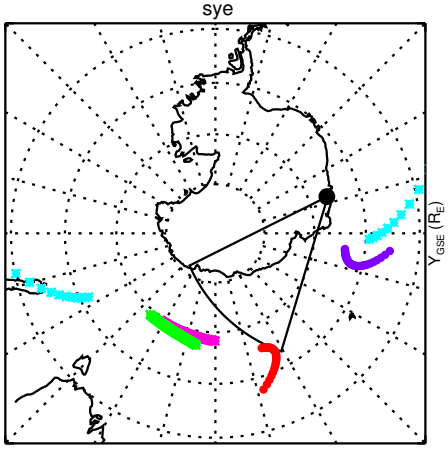


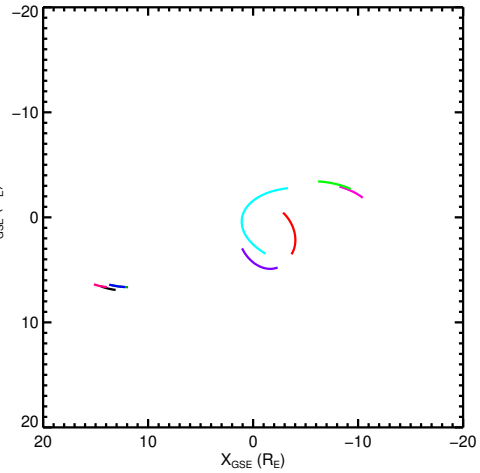


(e) 1510UT to 1805UT
adw han hkw inv

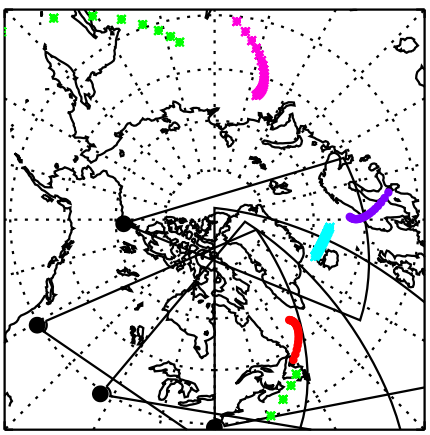


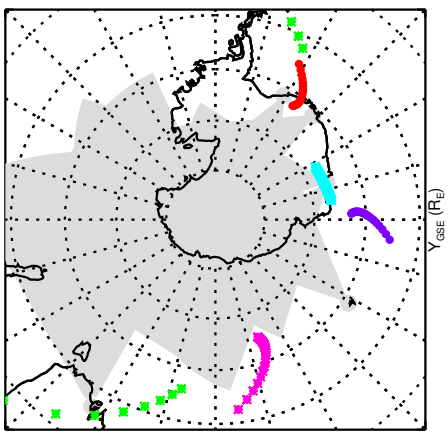
sye

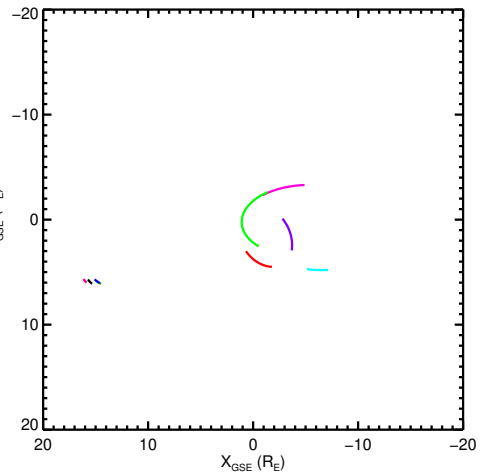




(f) 2015UT to 2205UT
cve fhe inv wal



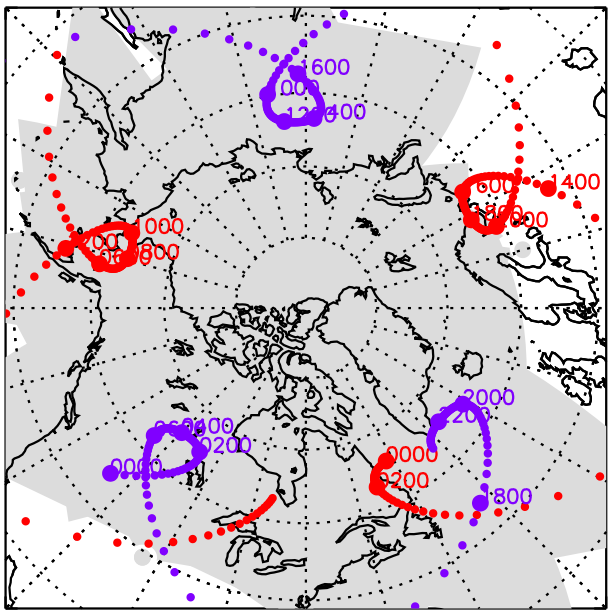


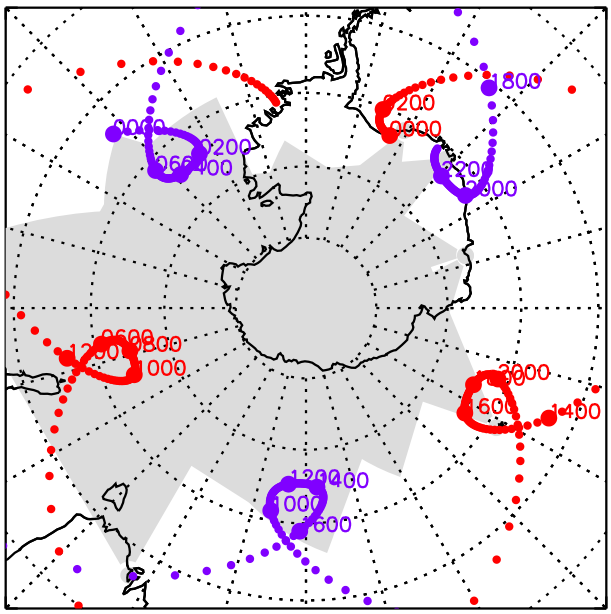


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

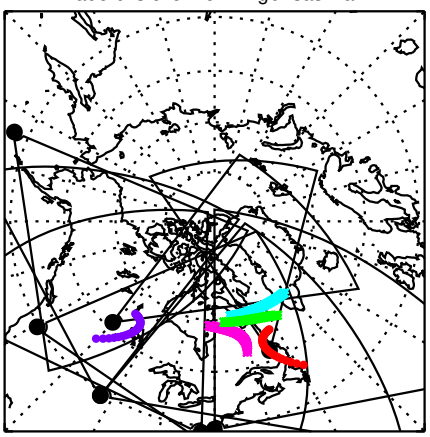
11–Feb–2017

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

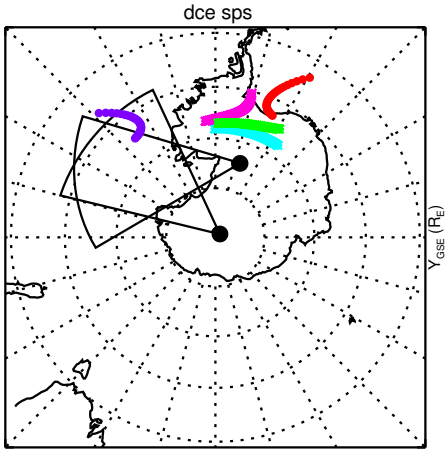


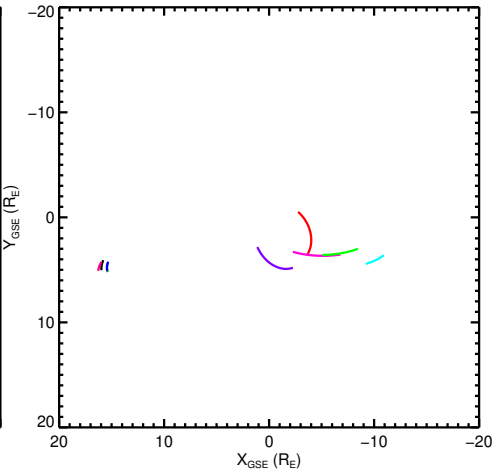


(a) 0010UT to 0305UT
ade bks cve fhe fhw gbr sas wal

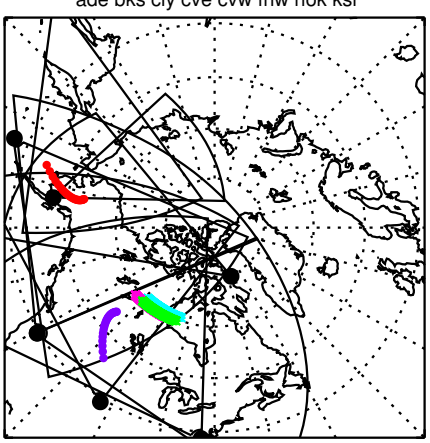


dce sps

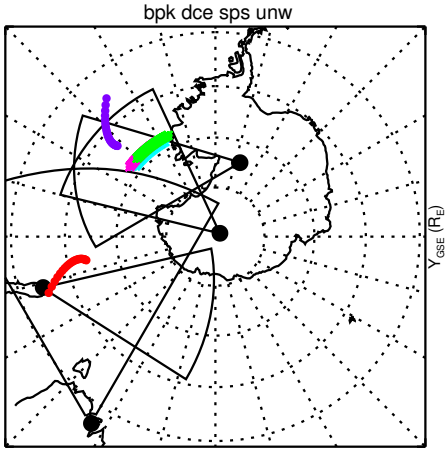


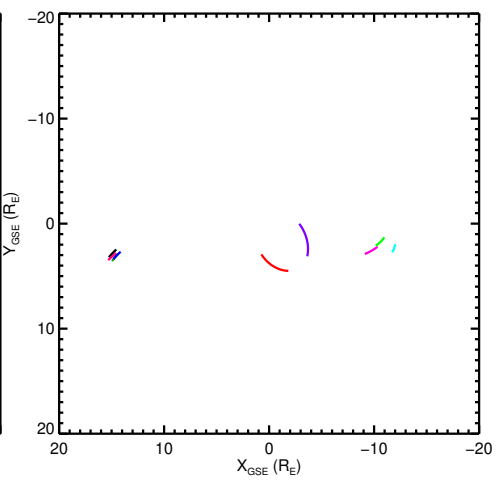


(b) 0510UT to 0705UT
ade bks cly cve cvw fhw hok ksr

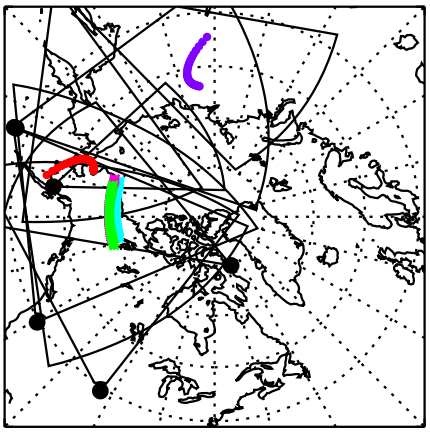


bpk dce sps unw

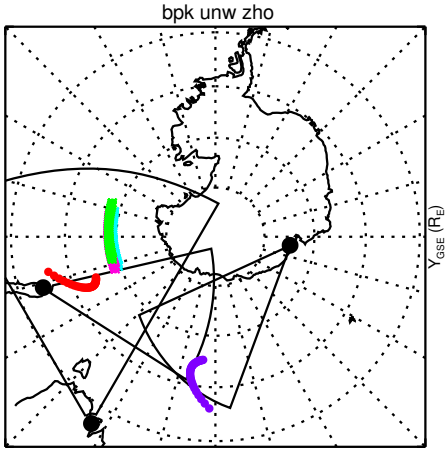


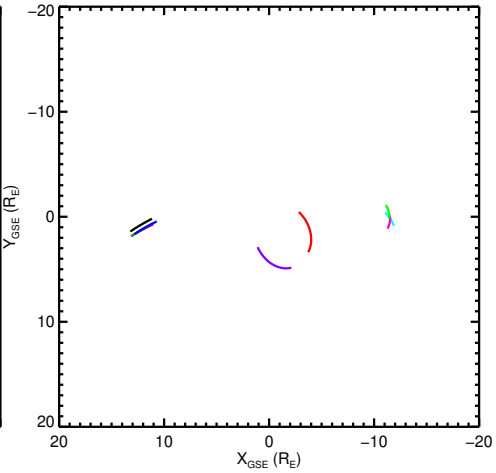


(c) 0915UT to 1200UT
ade adw cly cvw fhw hkw hok ksr

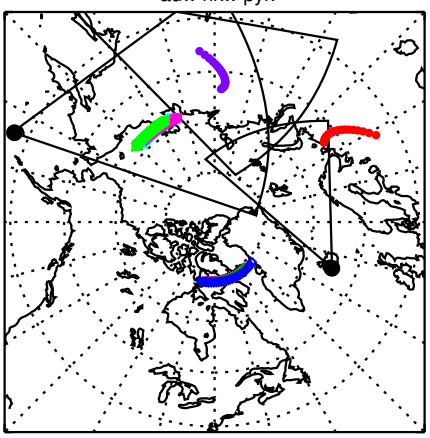


bpk unw zho

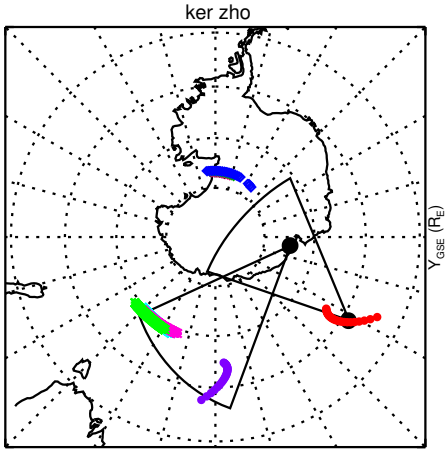


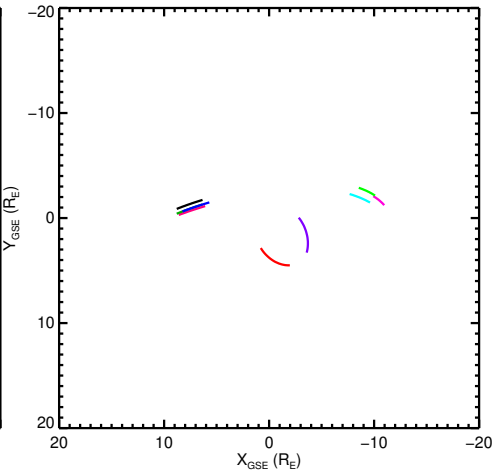


(d) 1405UT to 1610UT
adw hkw pyk

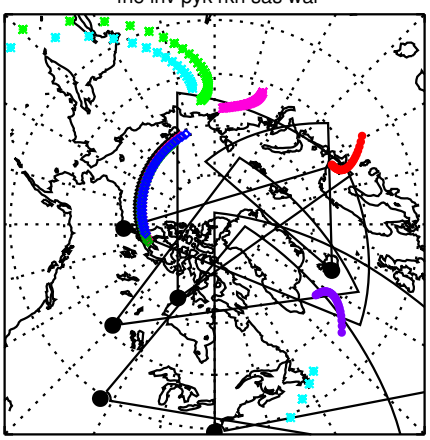


ker zho

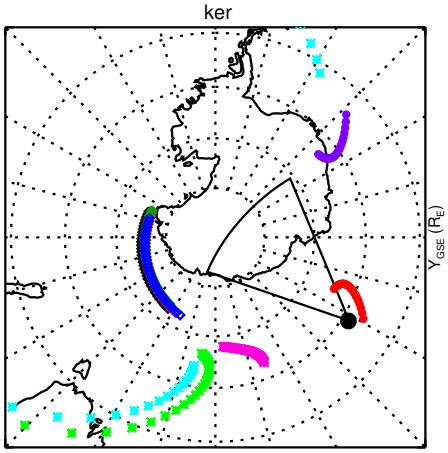


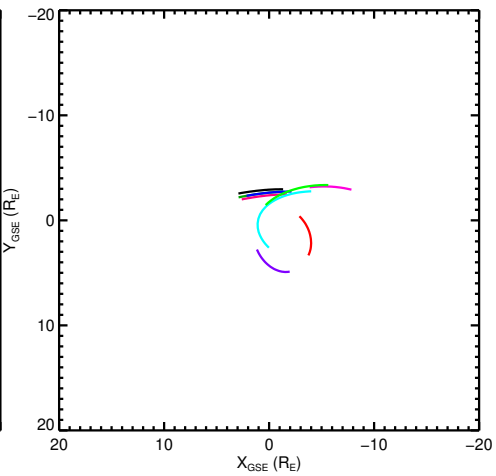


(e) 1815UT to 2055UT
fhe inv pyk rkn sas wal

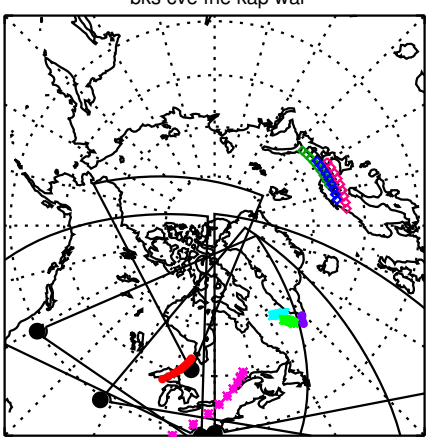


ker

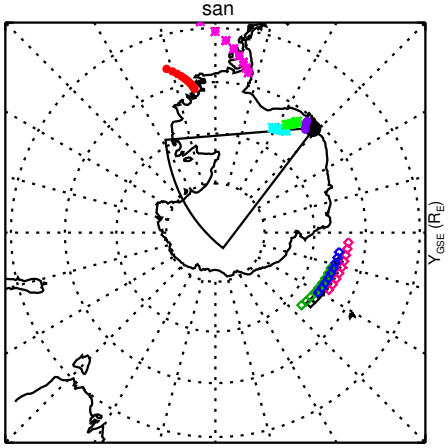


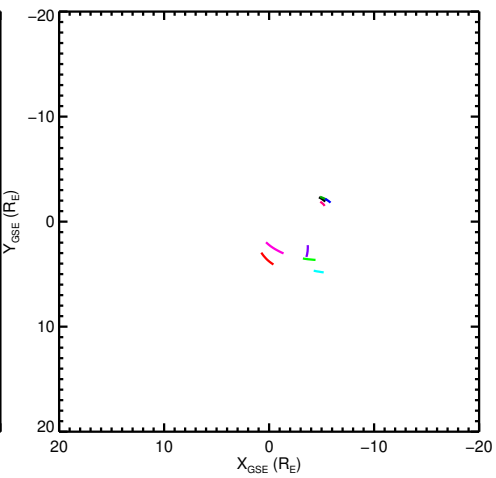


(f) 2305UT to 2355UT
bks cve fhe kap wal



san

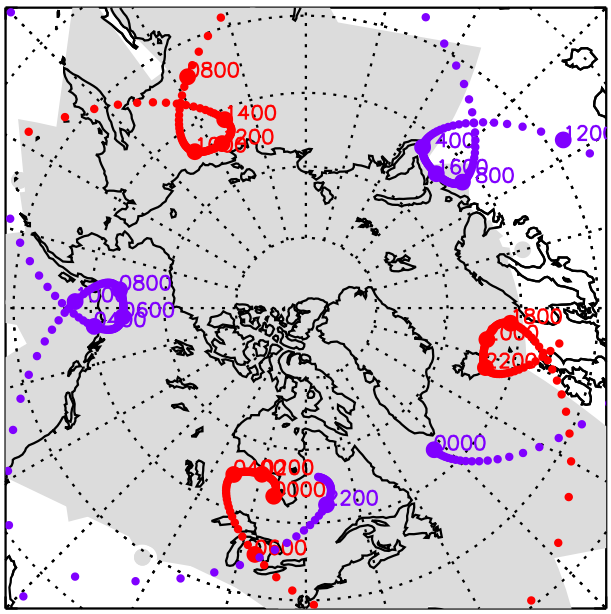


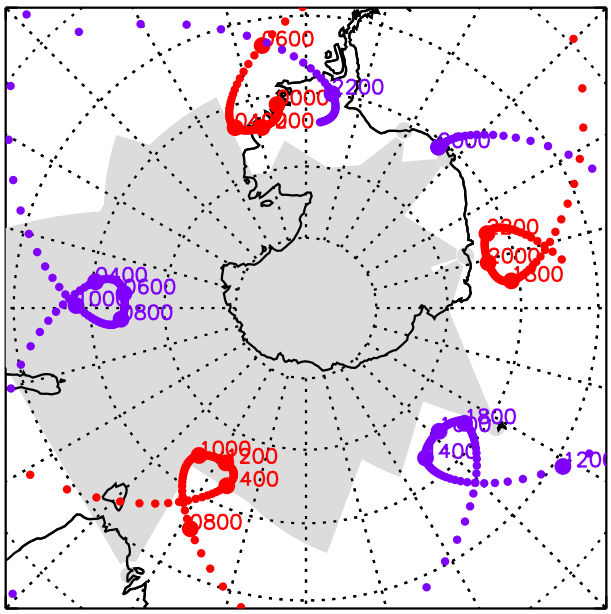


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

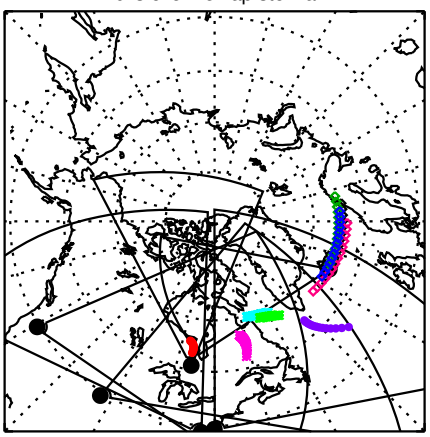
12–Feb–2017

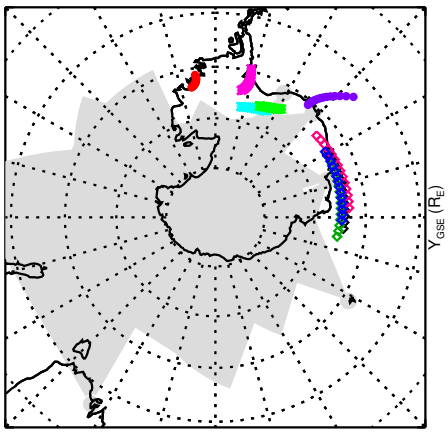
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

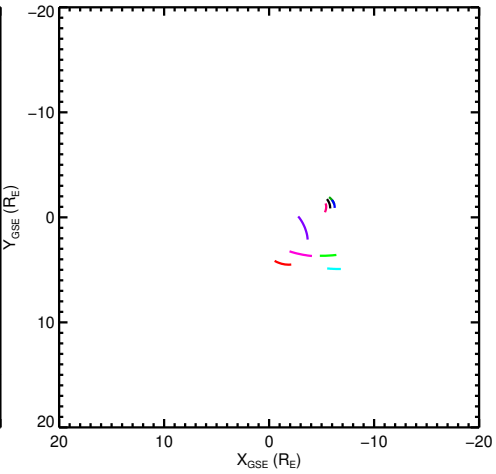




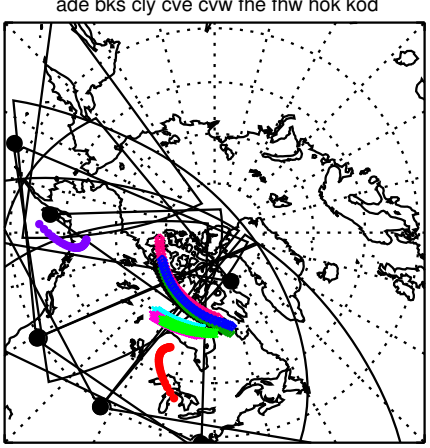
(a) 0000UT to 0115UT
bks cve fhe kap sto wal



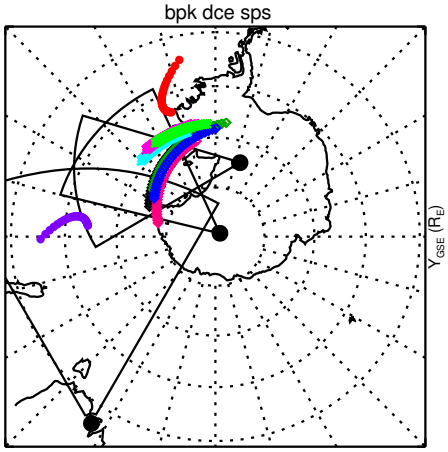


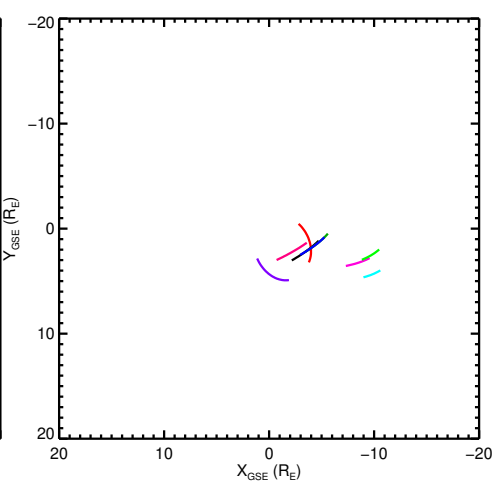


(b) 0320UT to 0555UT
ade bks cly cve cvw fhe fhw hok kod



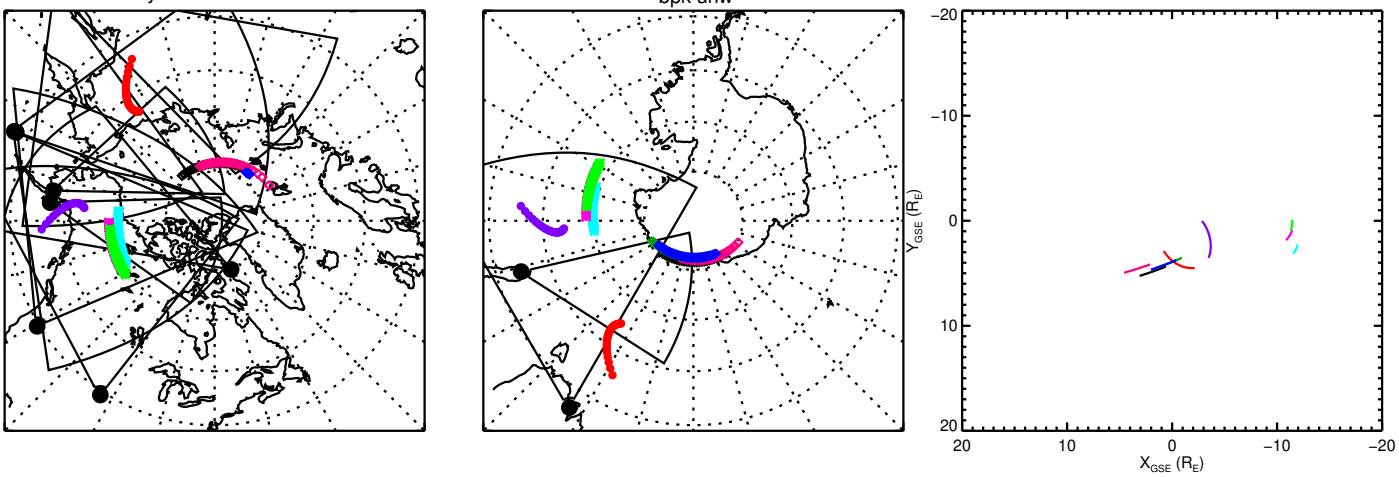
bpk dce sps





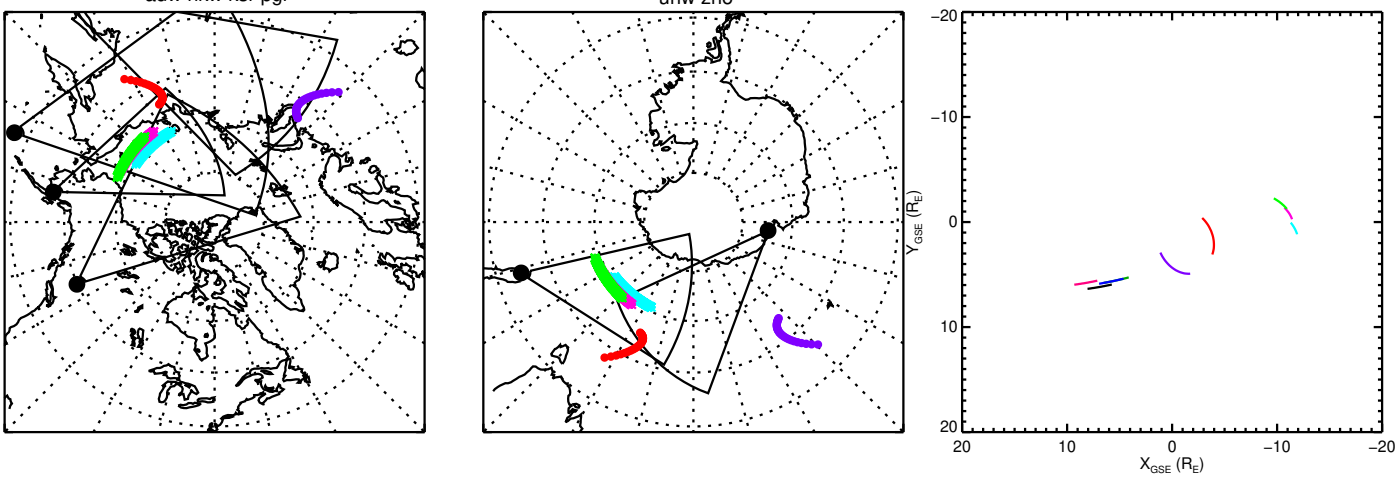
(c) 0800UT to 1015UT
ade adw cly cvw fhw hkw hok kod ksr

bpk unw

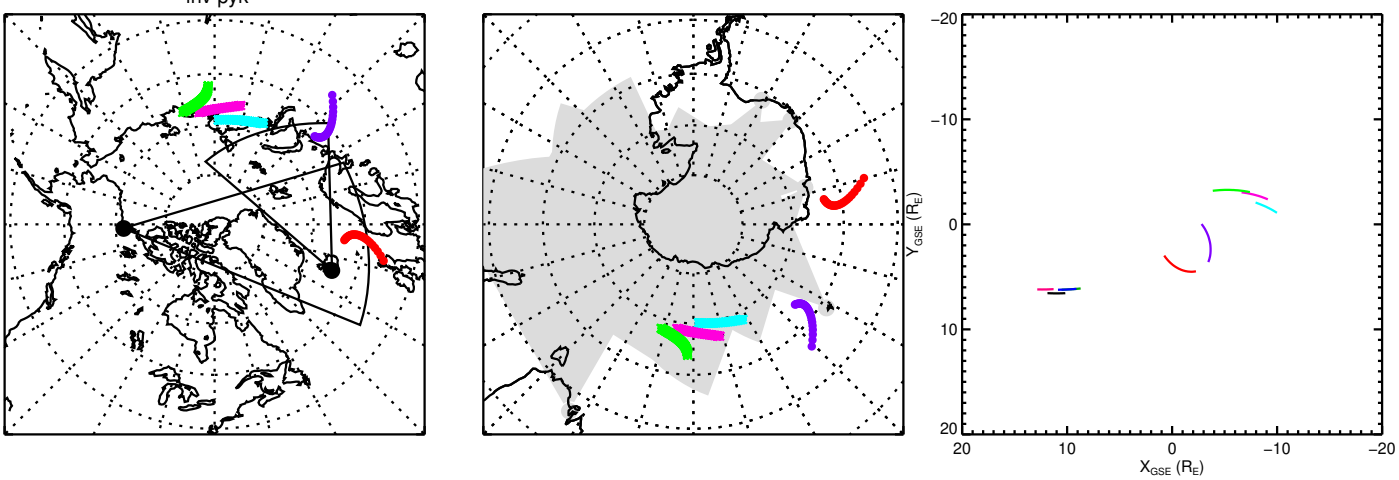


(d) 1225UT to 1450UT
adw hkw ksr pgr

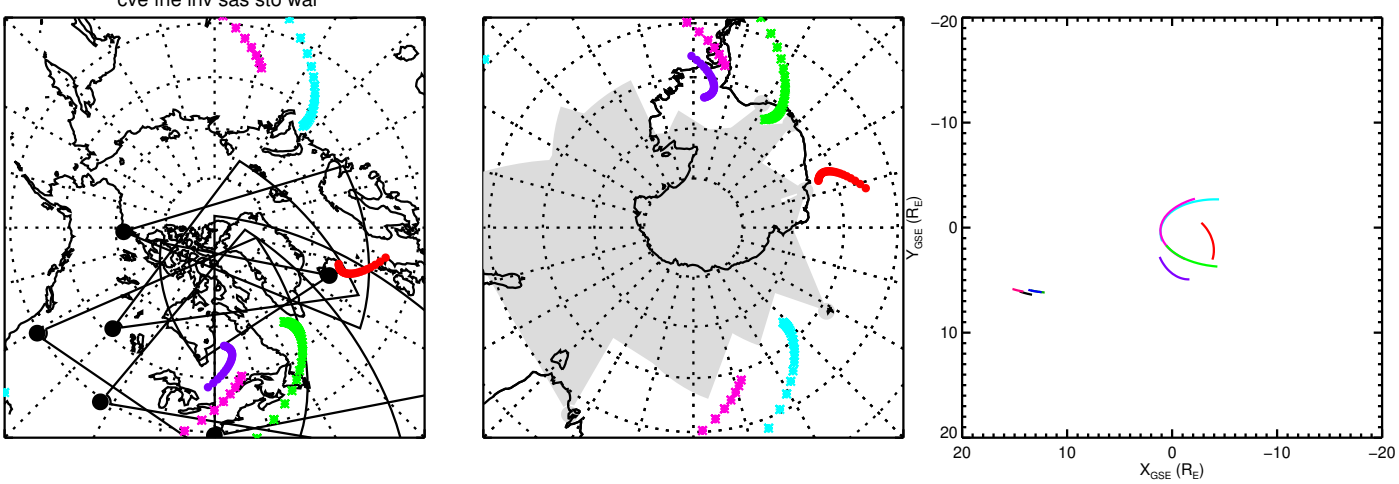
unw zho



(e) 1700UT to 1920UT
inv pyk



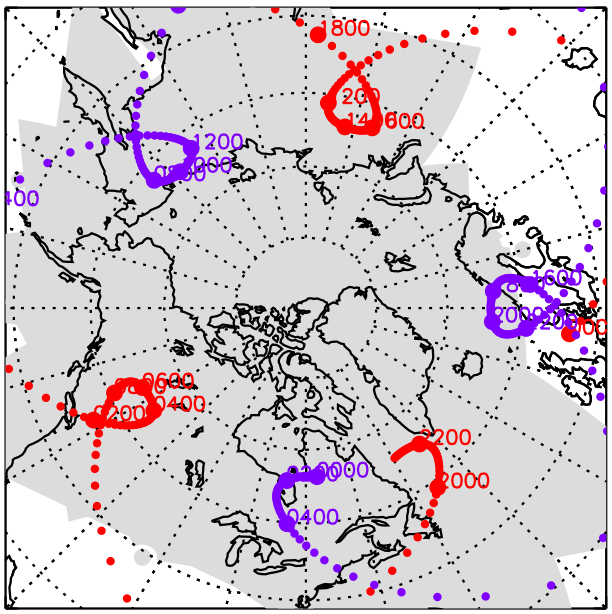
(f) 2125UT to 2350UT
cve fhe inv sas sto wal

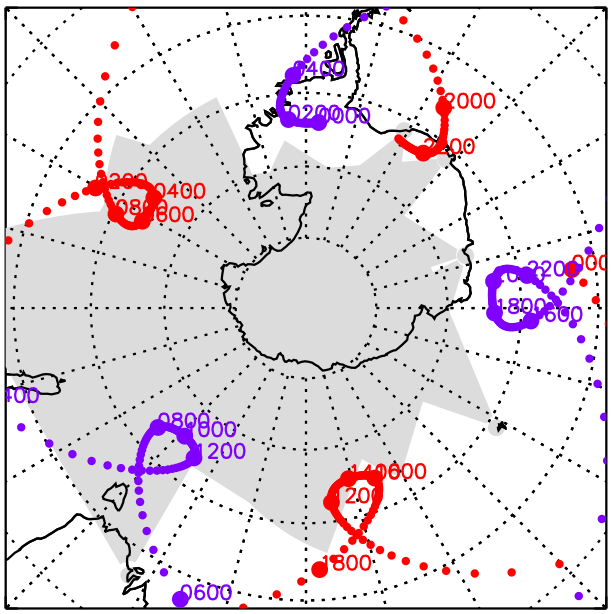


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

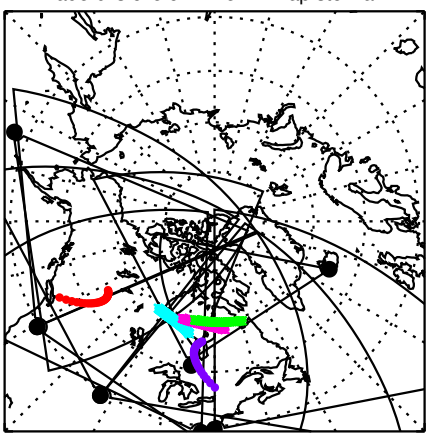
13–Feb–2017

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

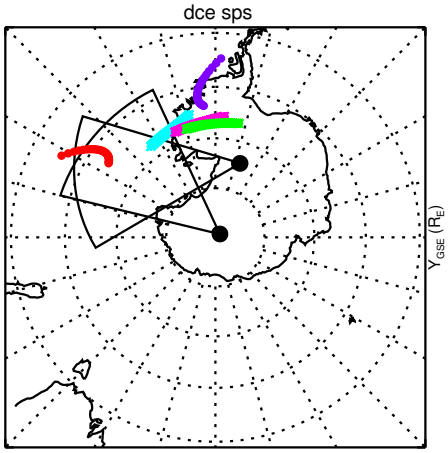


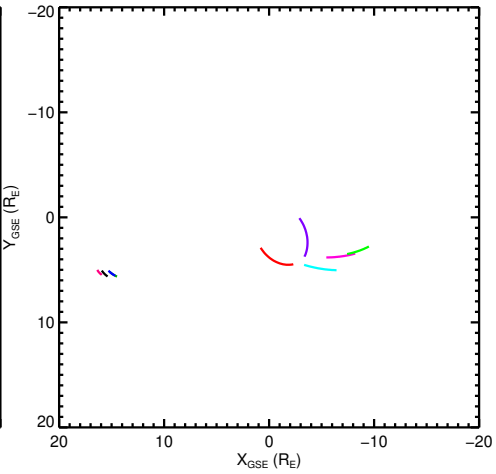


(a) 0155UT to 0420UT
ade bks cve cvw fhe fhw kap sto wal

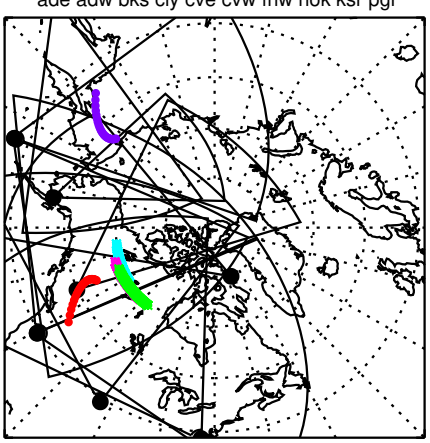


dce sps

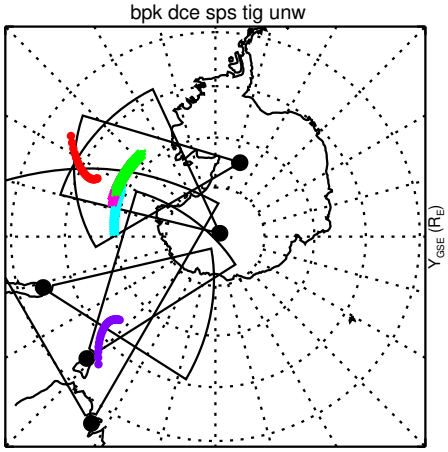


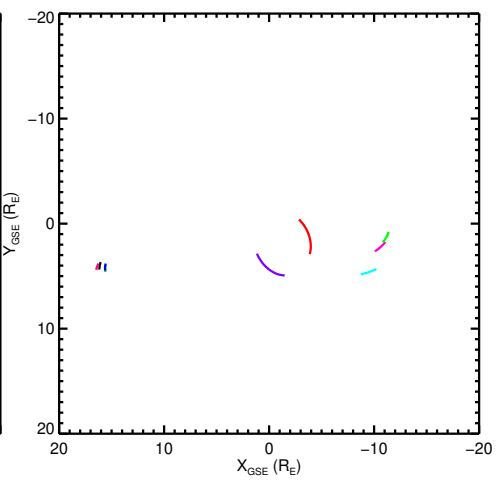


(b) 0630UT to 0845UT
ade adw bks cly cve cvw fhw hok ksr pgr



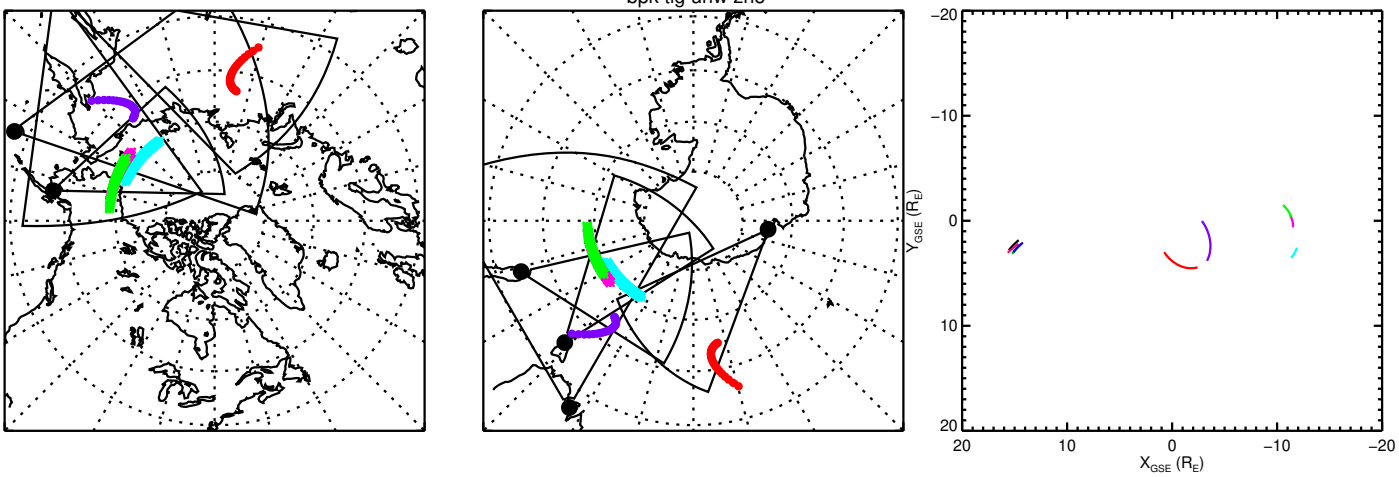
bpk dce sps tig unw



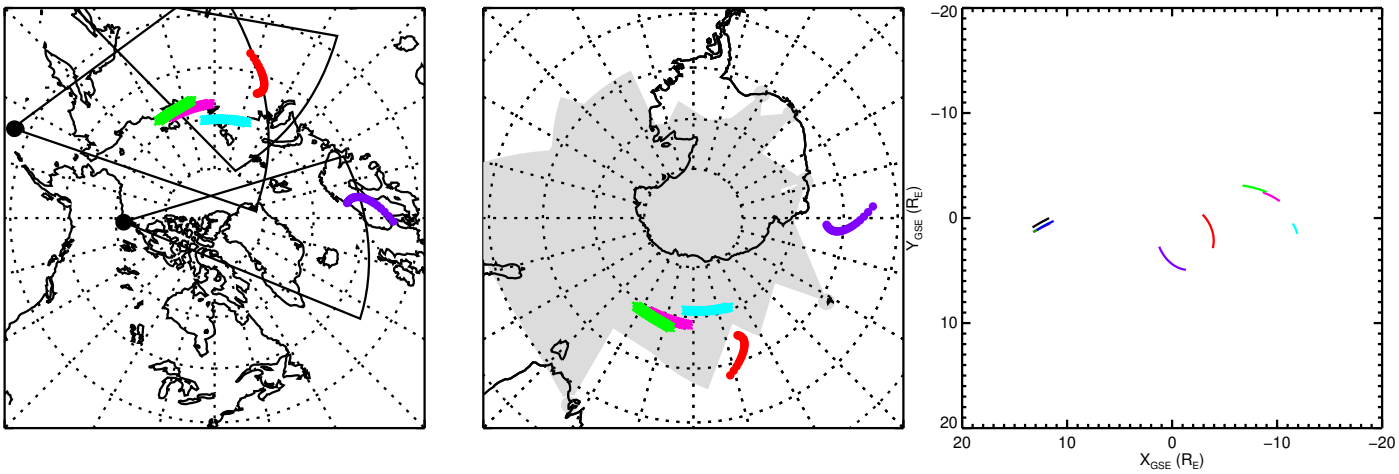


(c) 1055UT to 1325UT
adw hkw hok ksr

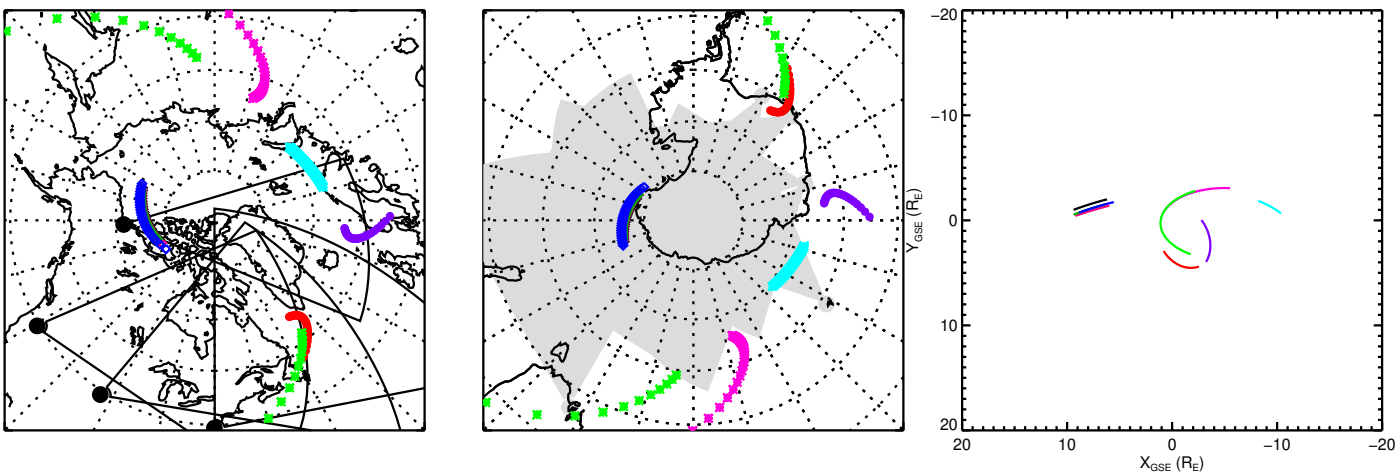
bpk tig unw zho



(d) 1530UT to 1740UT
adw hkw inv



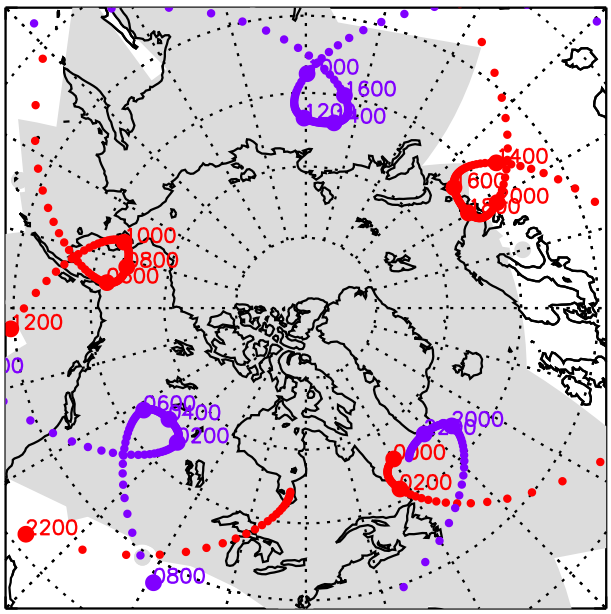
(e) 1950UT to 2230UT
cve fhe inv wal

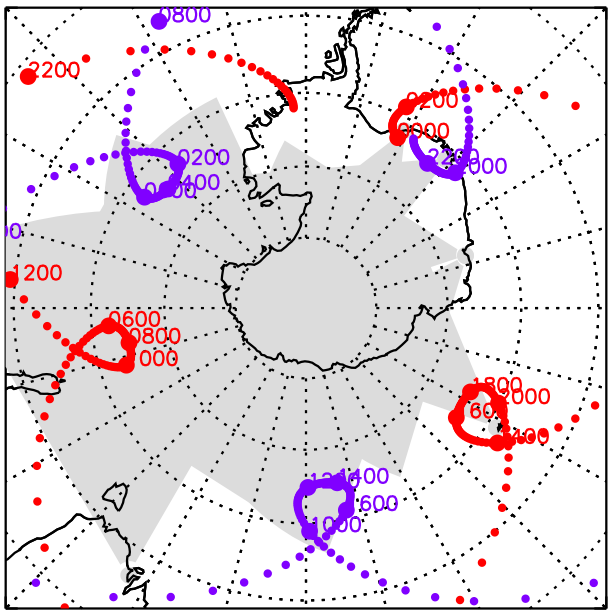


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

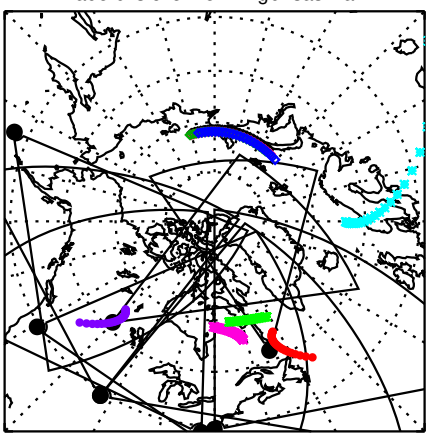
14–Feb–2017

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

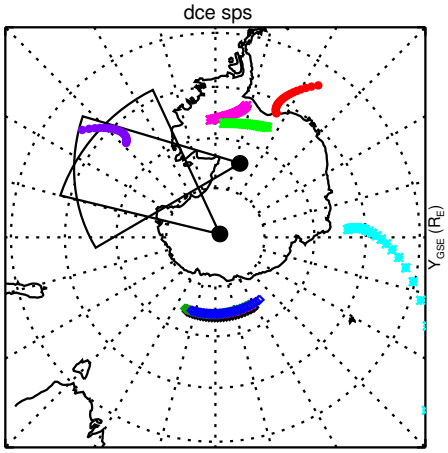


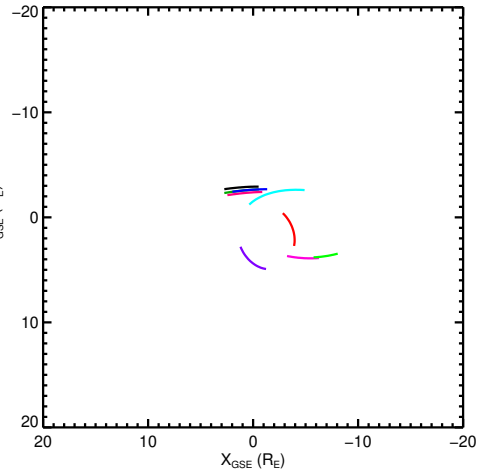


(a) 0035UT to 0240UT
ade bks cve fhe fhw gbr sas wal

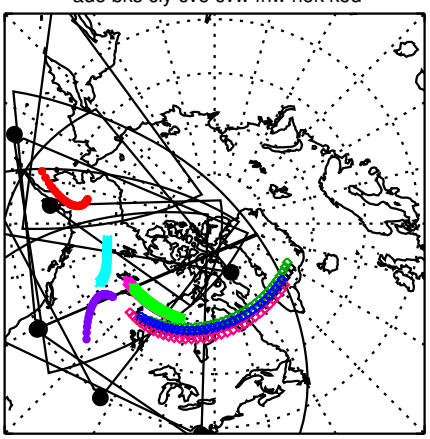


dce sps

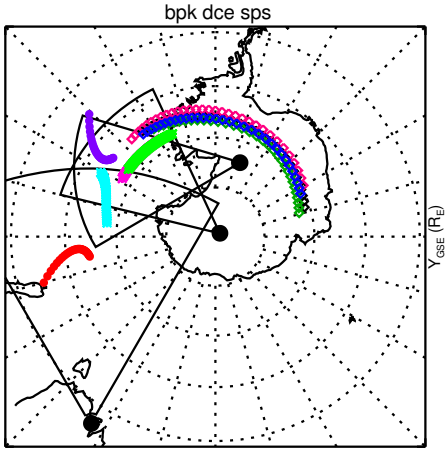


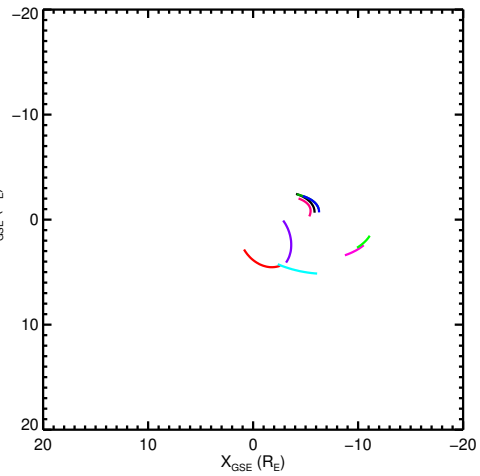


(b) 0445UT to 0730UT
ade bks cly cve cvw fhw hok kod

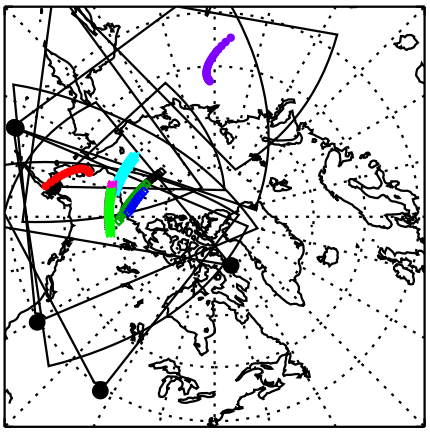


bpk dce sps

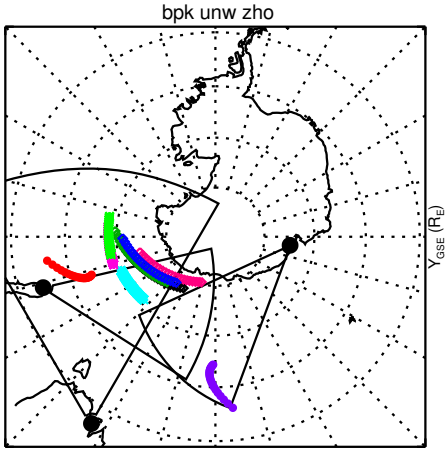


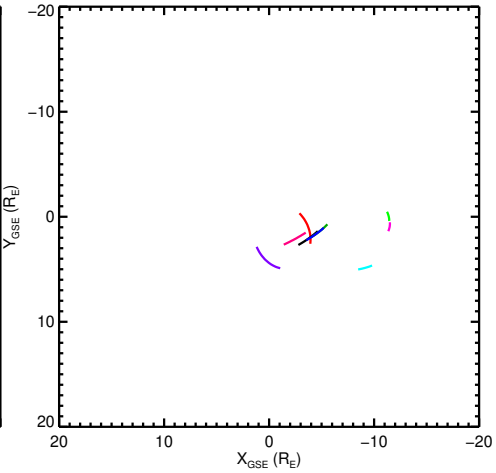


(c) 0940UT to 1135UT
ade adw cly cvw fhw hkw hok ksr

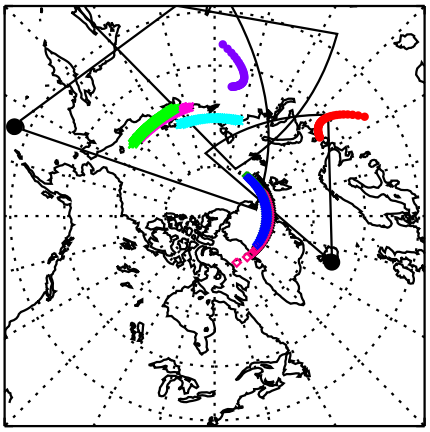


bpk unw zho

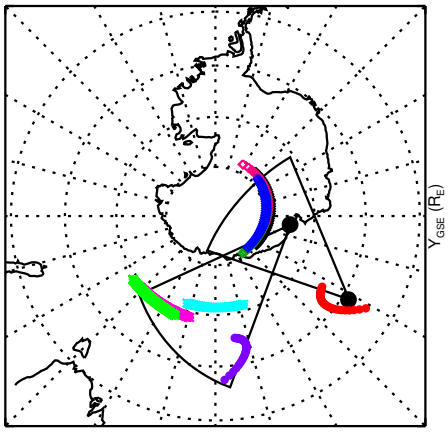


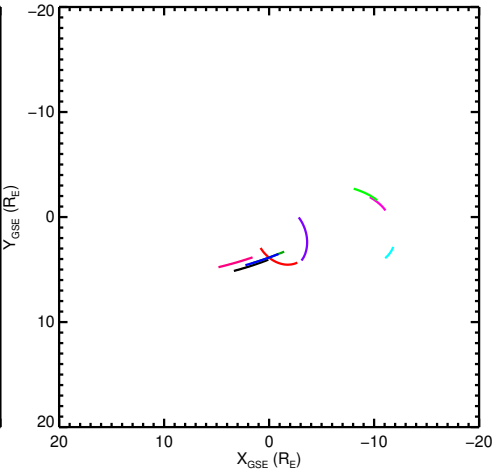


(d) 1345UT to 1635UT
adw hkw pyk

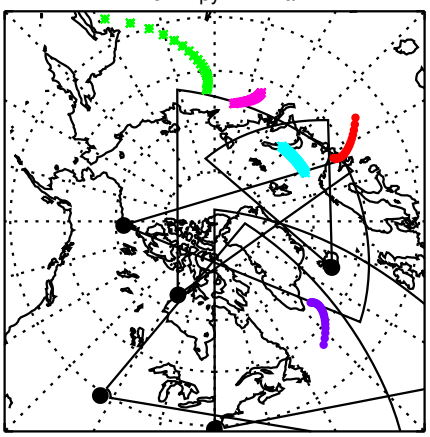


ker zho

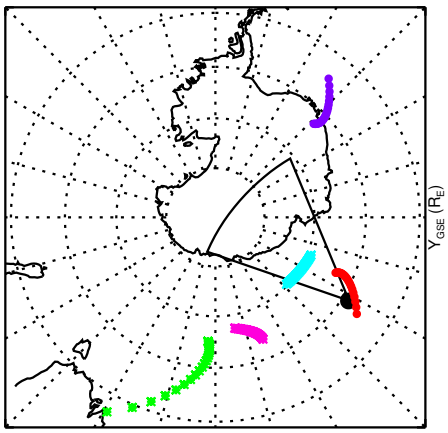


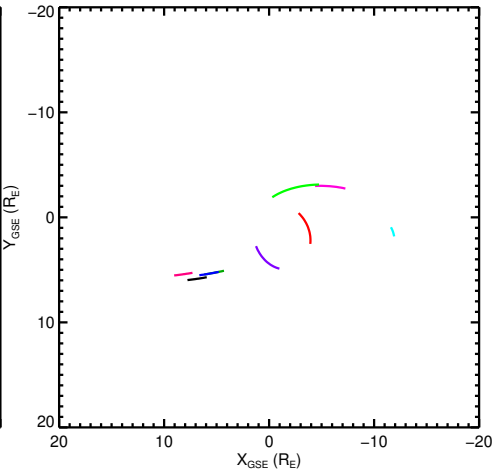


(e) 1840UT to 2035UT
fhe inv pyk rkn wal

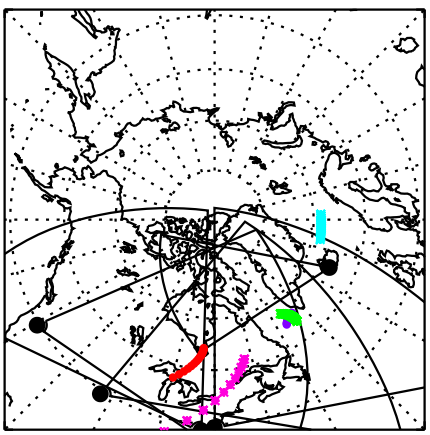


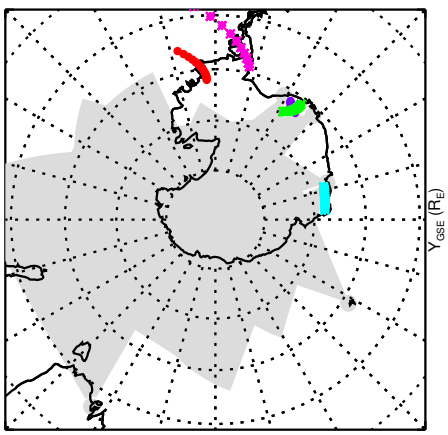
ker

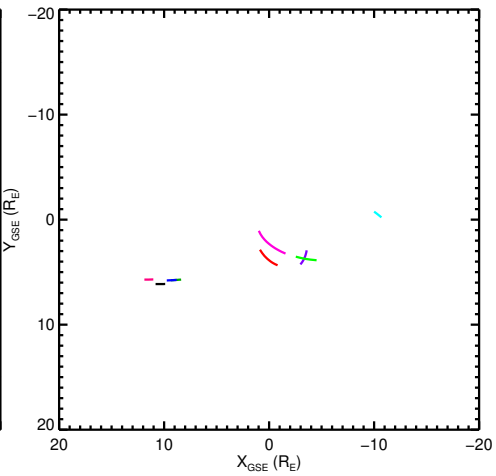




(f) 2240UT to 2355UT
bks cve fhe sto wal



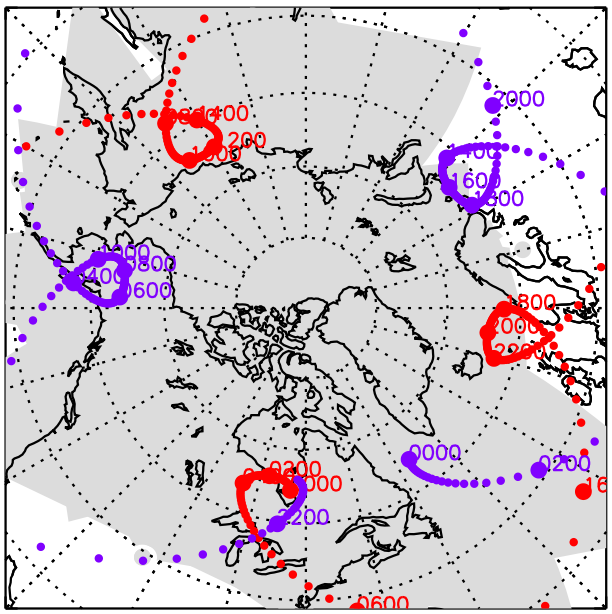


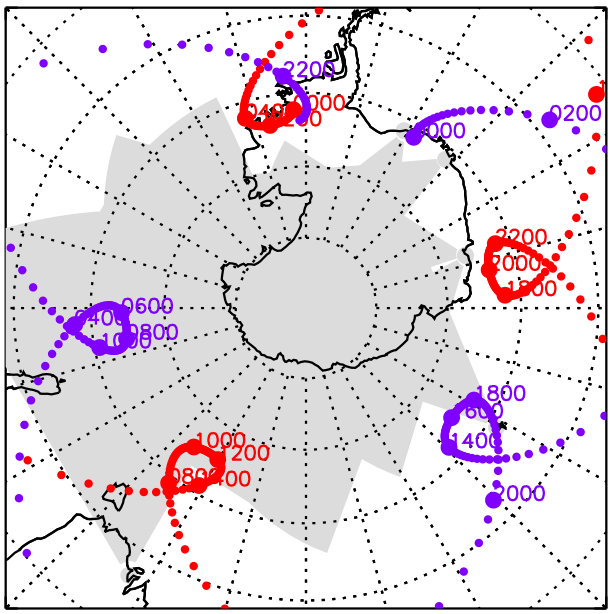


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

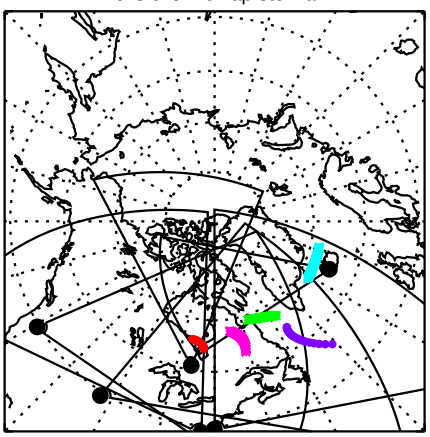
15–Feb–2017

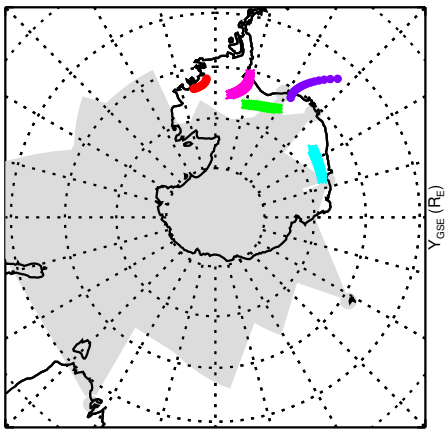
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

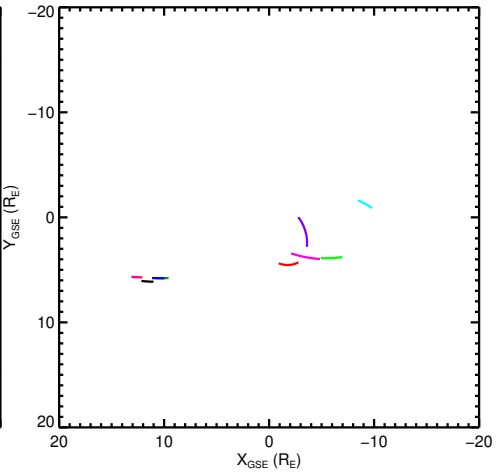




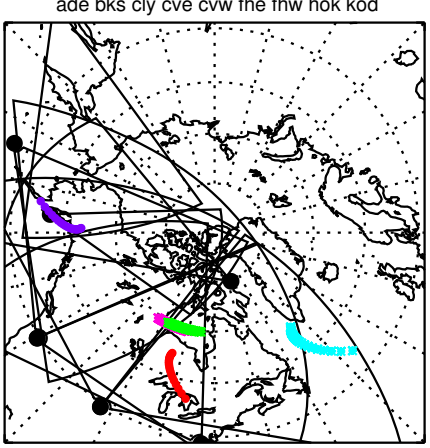
(a) 0000UT to 0140UT
bks cve fhe kap sto wal



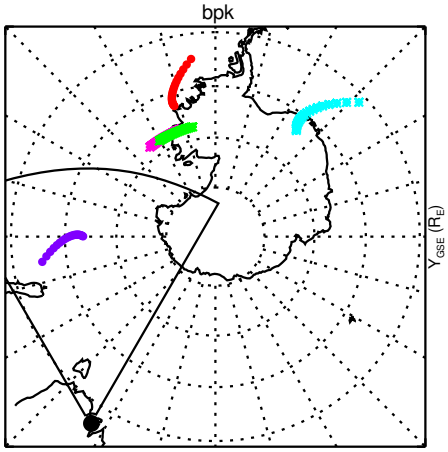


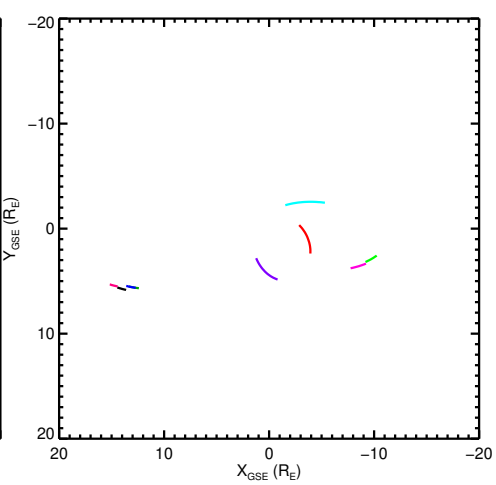


(b) 0345UT to 0530UT
ade bks cly cve cvw fhe fhw hok kod

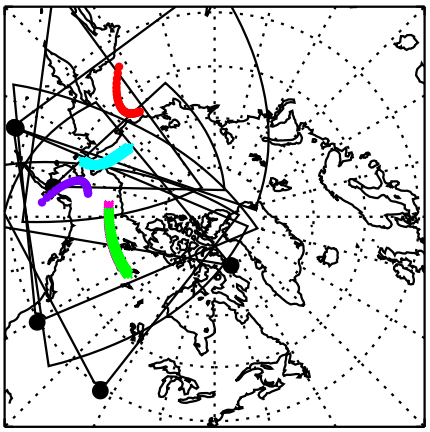


bpk

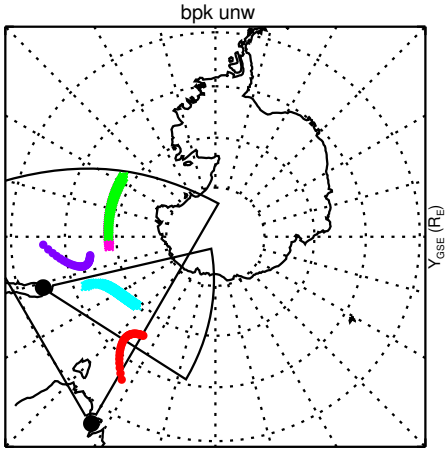


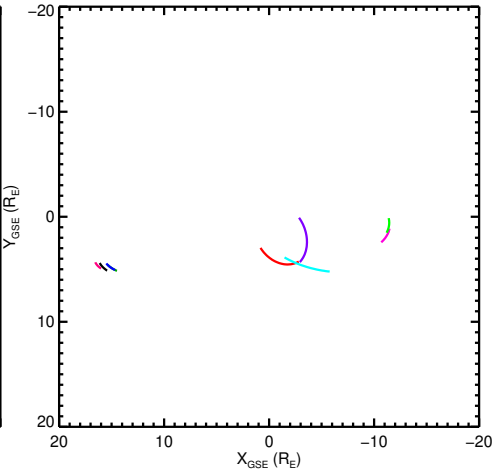


(c) 0740UT to 1040UT
ade adw cly cvw fhw hok ksr

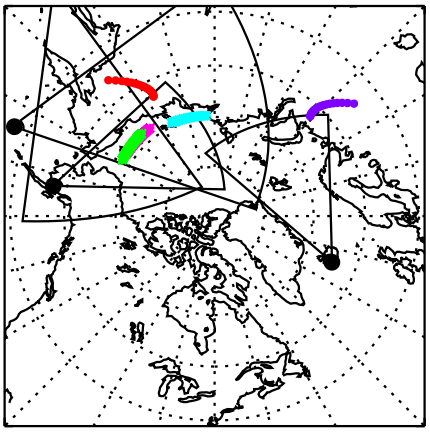


bpk unw

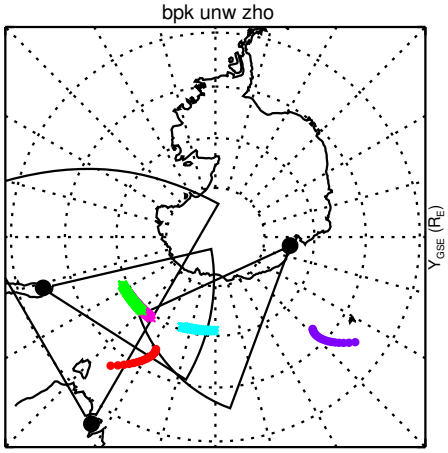


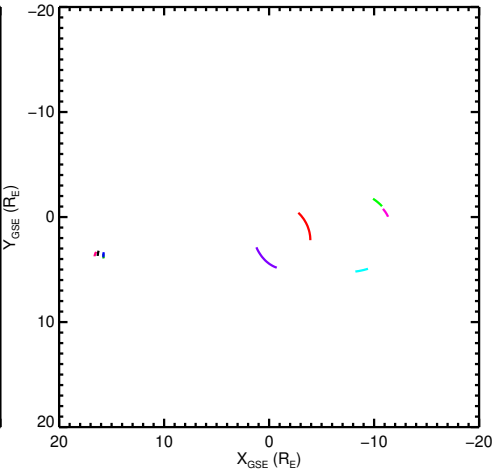


(d) 1250UT to 1430UT
adw hok ksr pyk

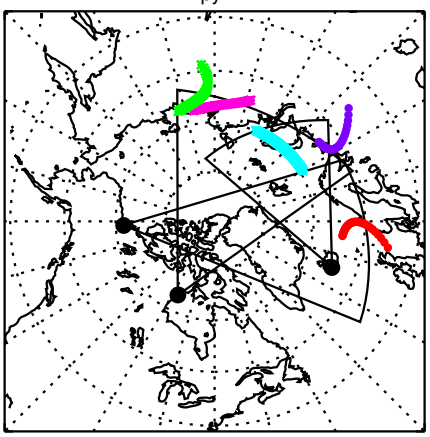


bpk unw zho

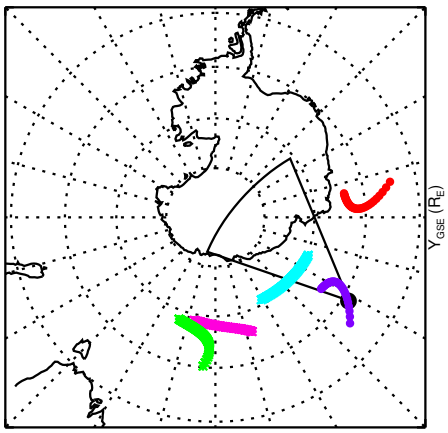


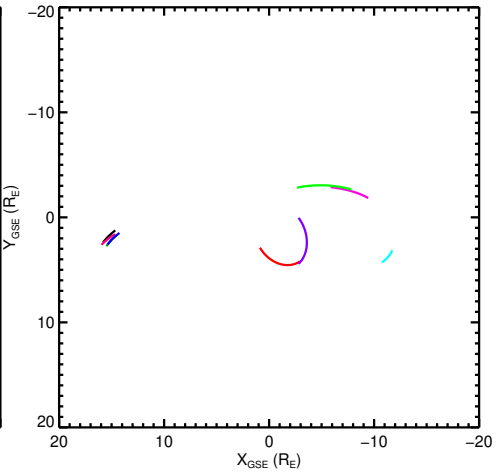


(e) 1635UT to 1945UT
inv pyk rkn

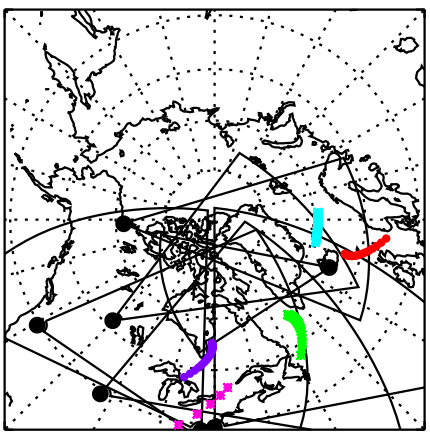


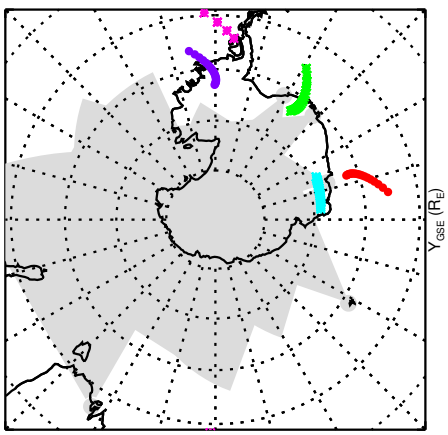
ker

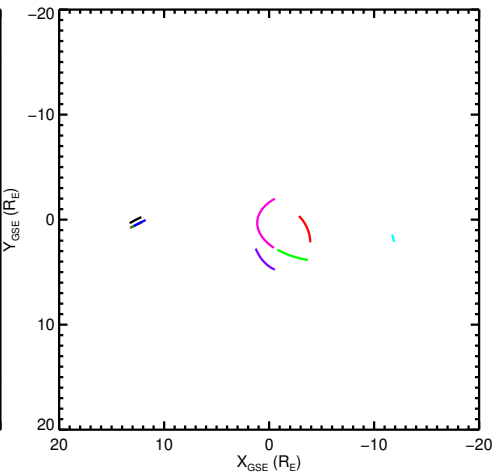




(f) 2150UT to 2325UT
bks cve fhe inv sas sto wal



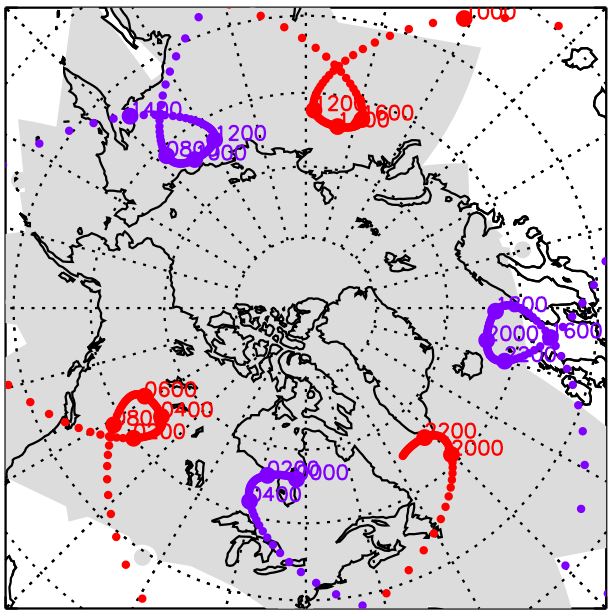


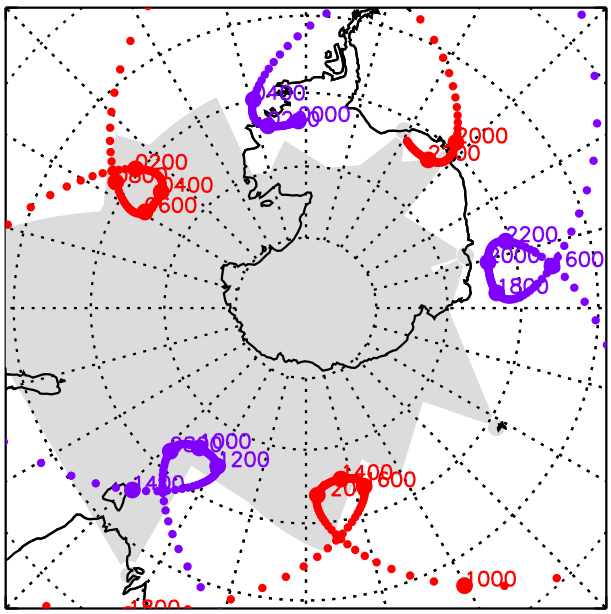


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

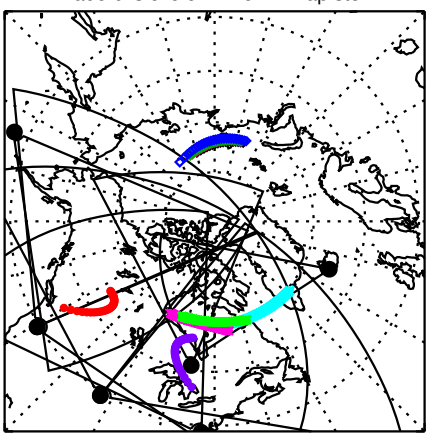
16–Feb–2017

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

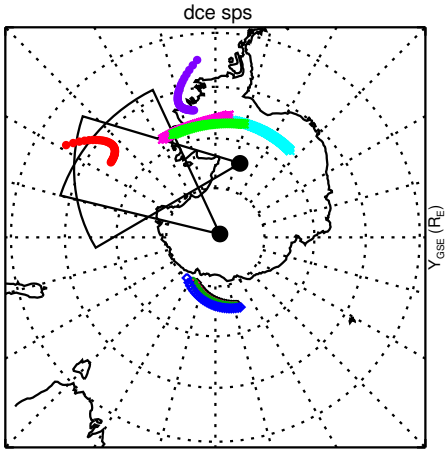


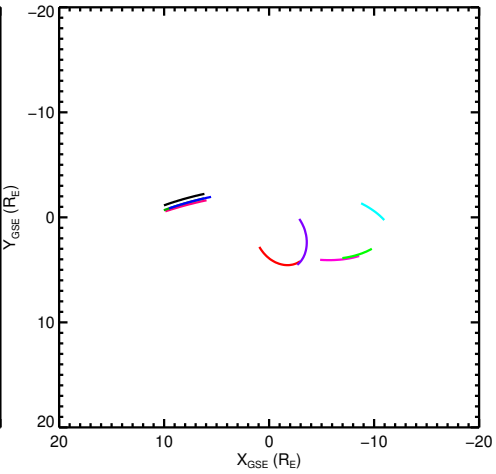


(a) 0130UT to 0445UT
ade bks cve cvw fhe fhw kap sto

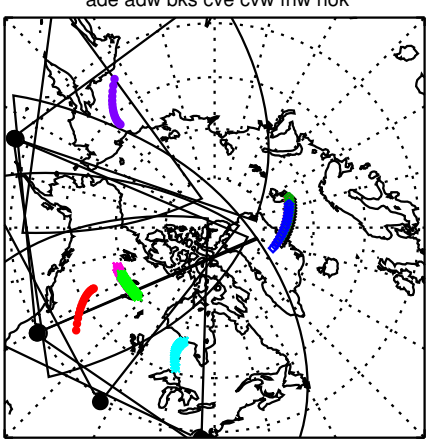


dce sps

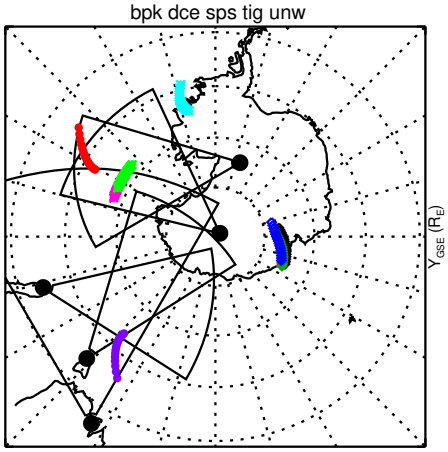


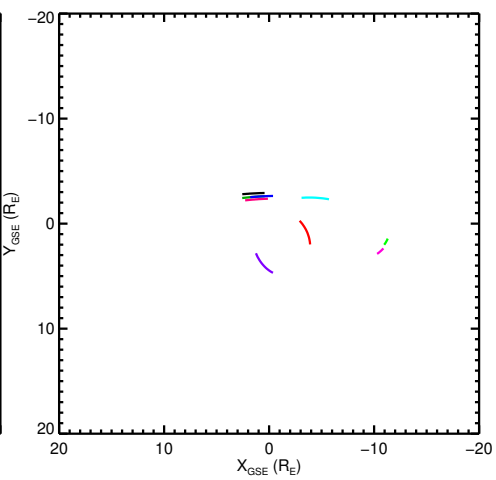


(b) 0655UT to 0820UT
ade adw bks cve cvw fhw hok



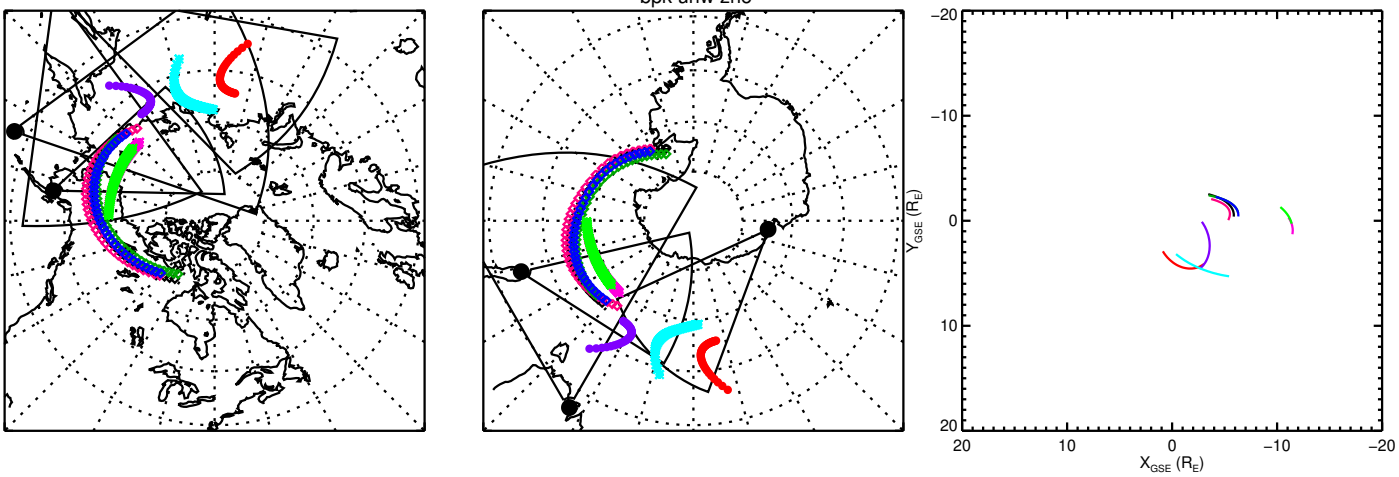
bpk dce sps tig unw





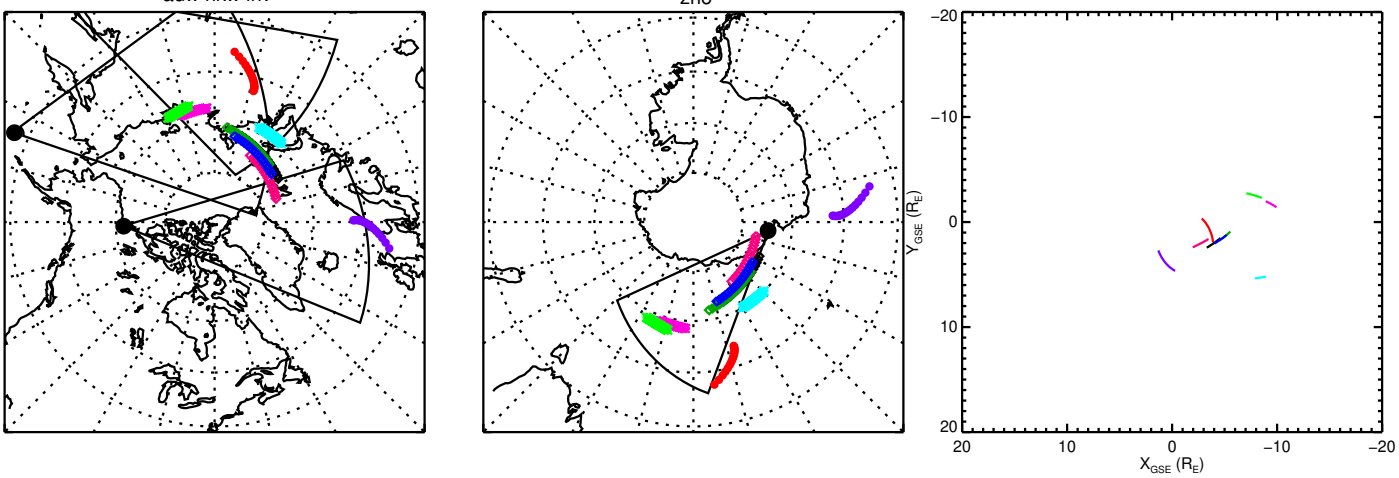
(c) 1030UT to 1350UT
adw hkw hok ksr

bpk unw zho



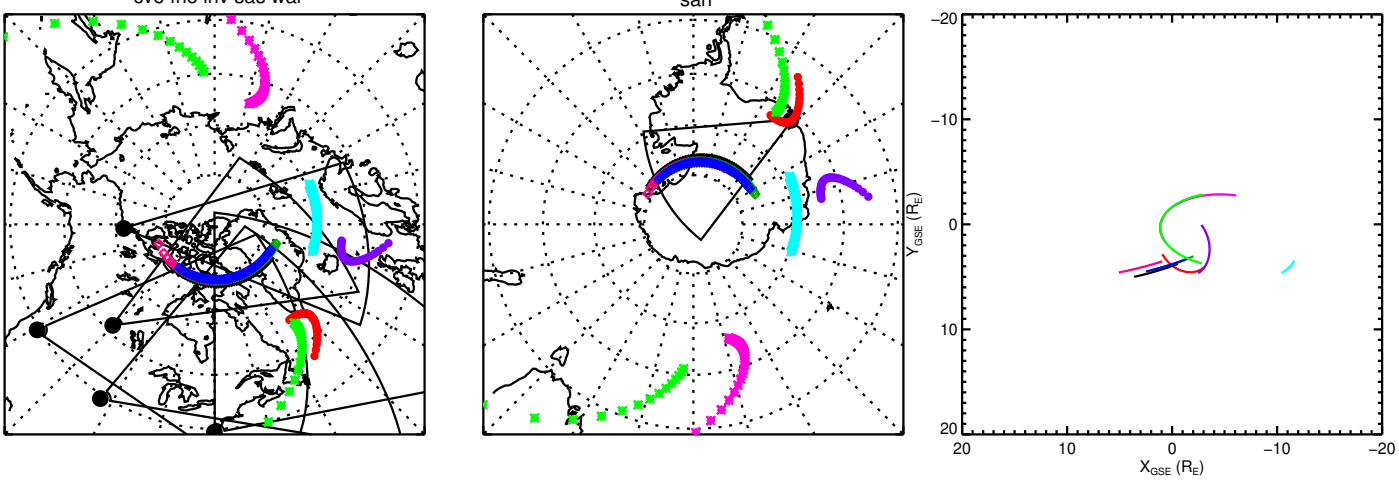
(d) 1555UT to 1720UT
adw hkw inv

zho



(e) 1925UT to 2255UT
cve fhe inv sas wal

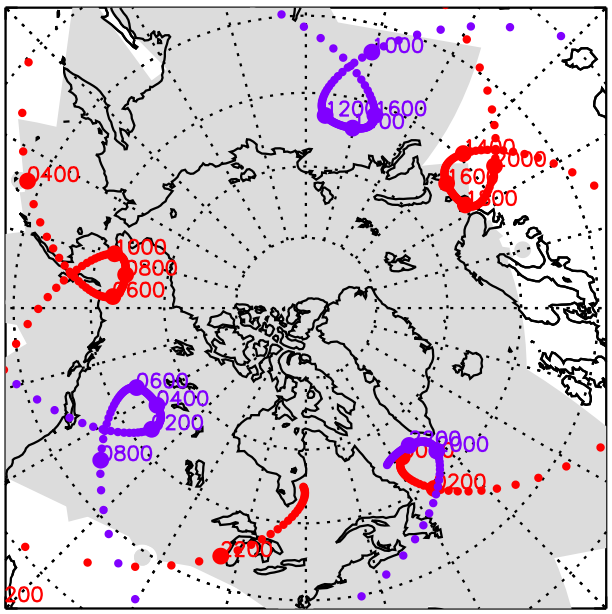
san

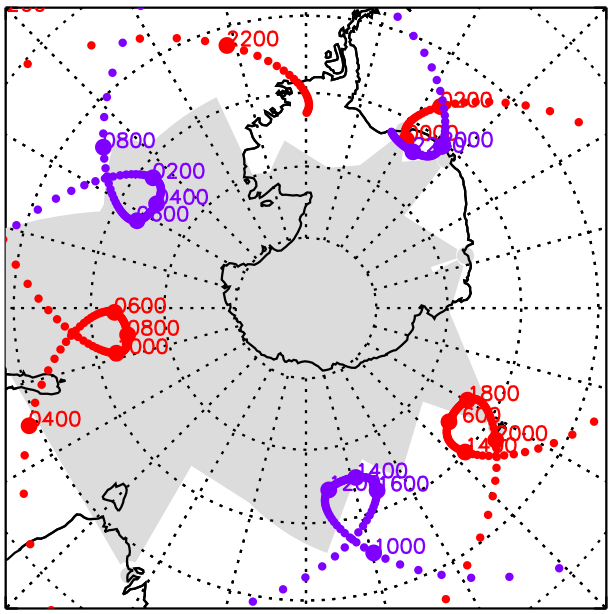


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

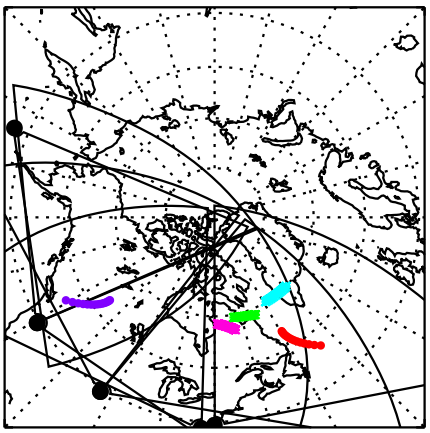
17−Feb−2017

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

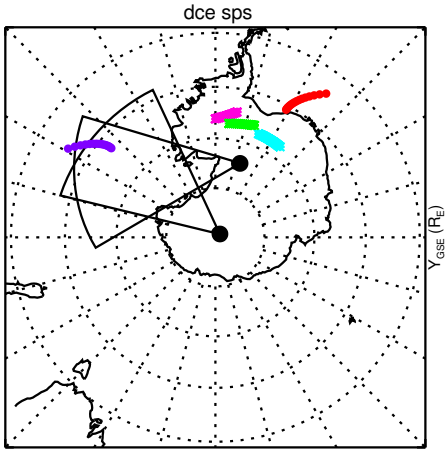


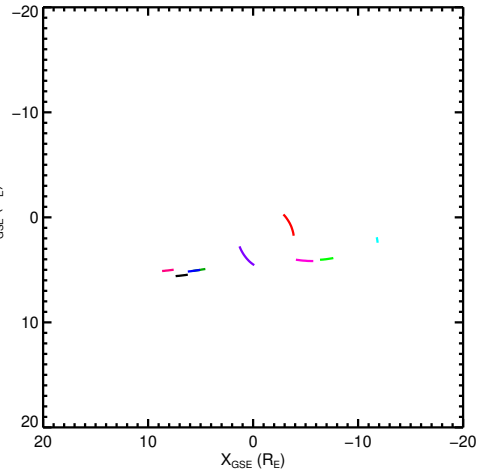


(a) 0100UT to 0215UT
ade bks cve cvw fhe fhw wal

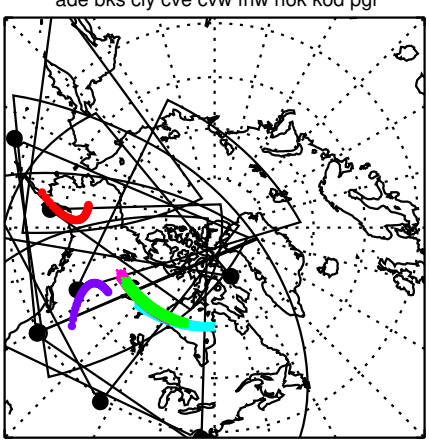


dce sps

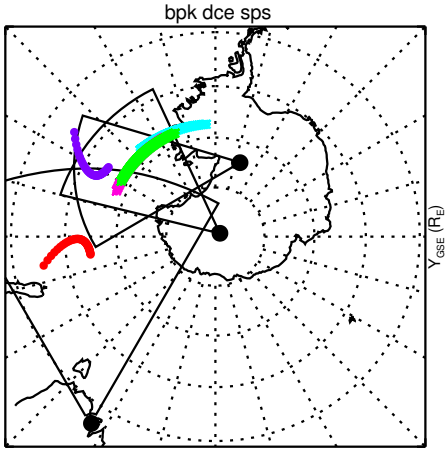


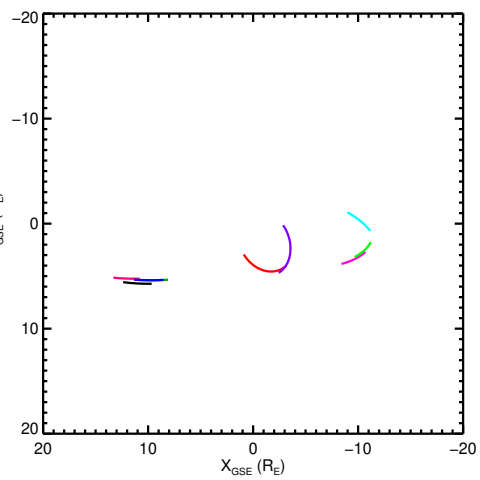


(b) 0425UT to 0755UT
ade bks cly cve cvw fhw hok kod pgr

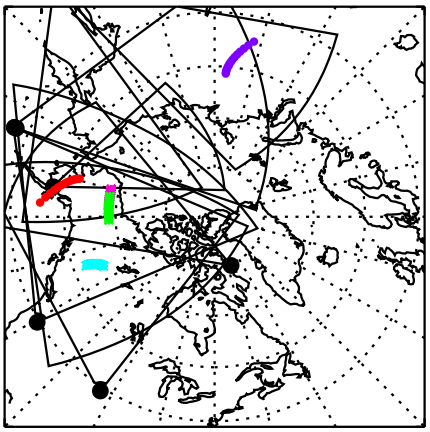


bpk dce sps

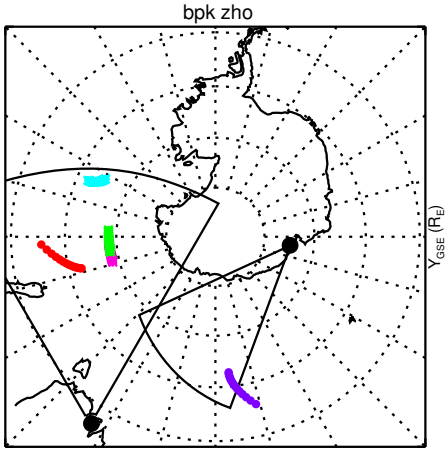


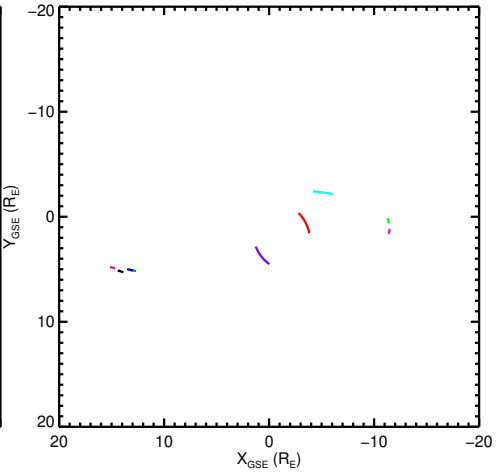


(c) 1005UT to 1115UT
ade adw cly cvw fhw hkw hok ksr

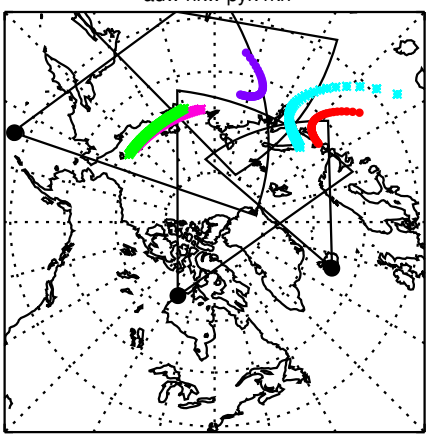


bpk zho

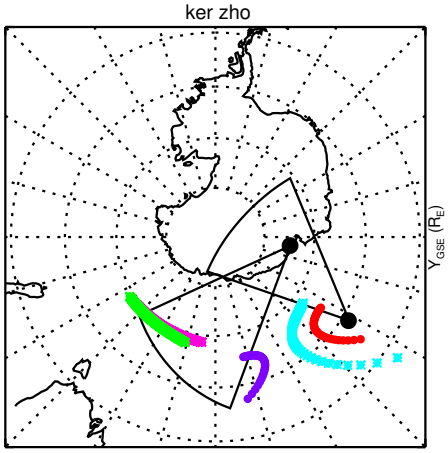


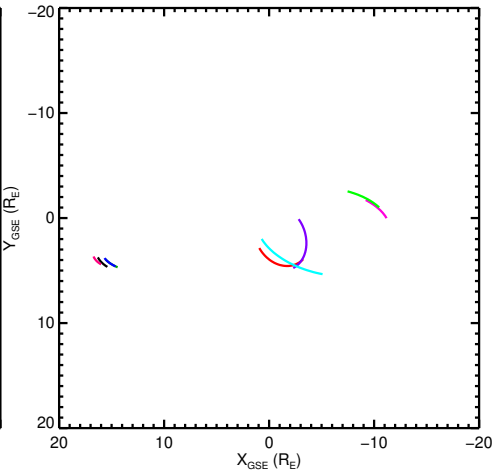


(d) 1320UT to 1700UT
adw hkw pyk rkn

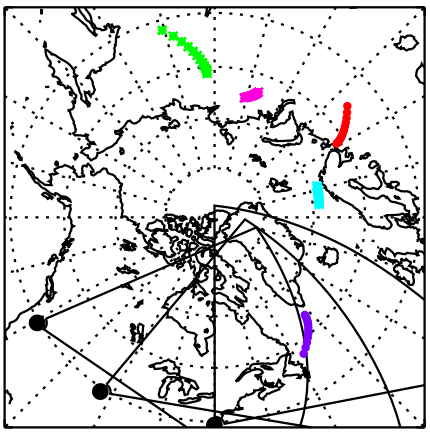


ker zho

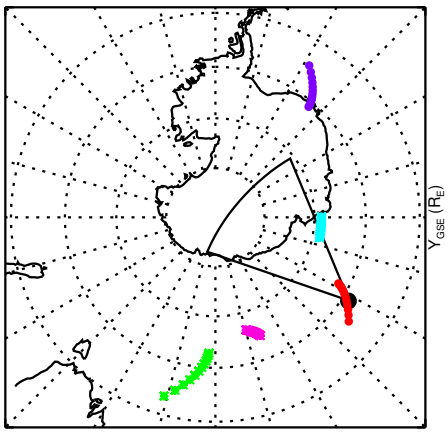


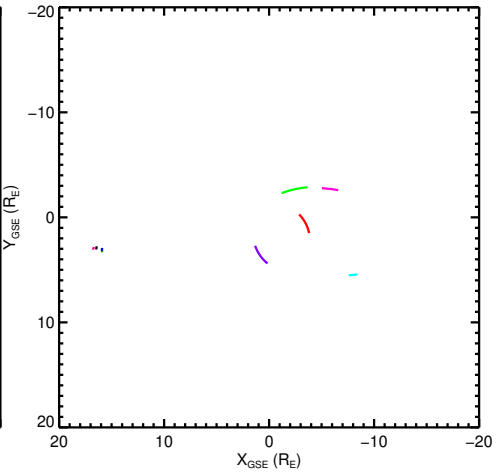


(e) 1905UT to 2010UT
cve fhe wal

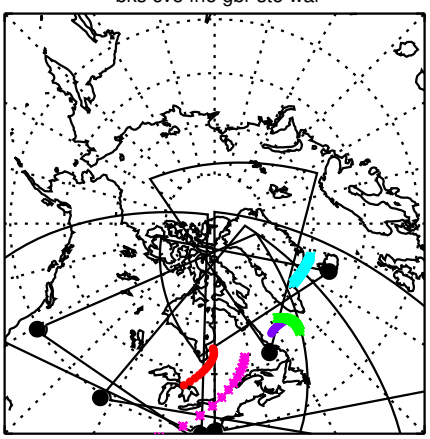


ker

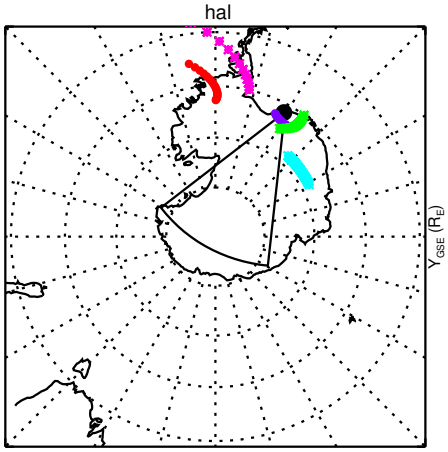


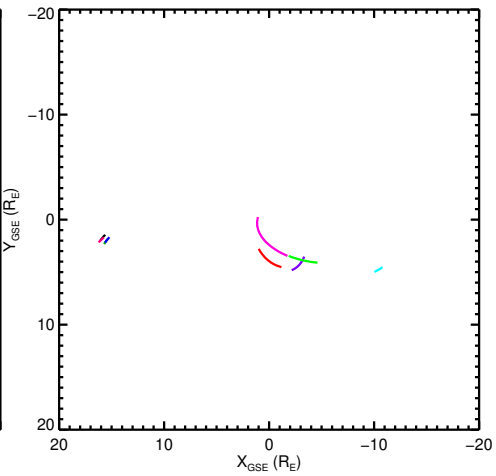


(f) 2215UT to 2355UT
bks cve fhe gbr sto wal



hal

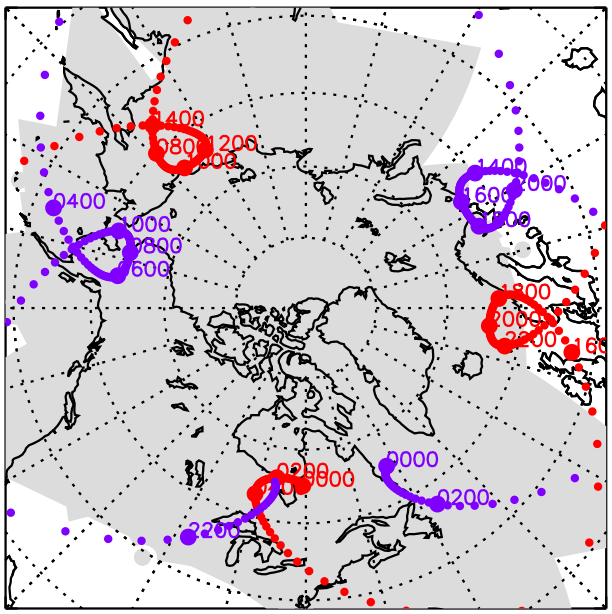


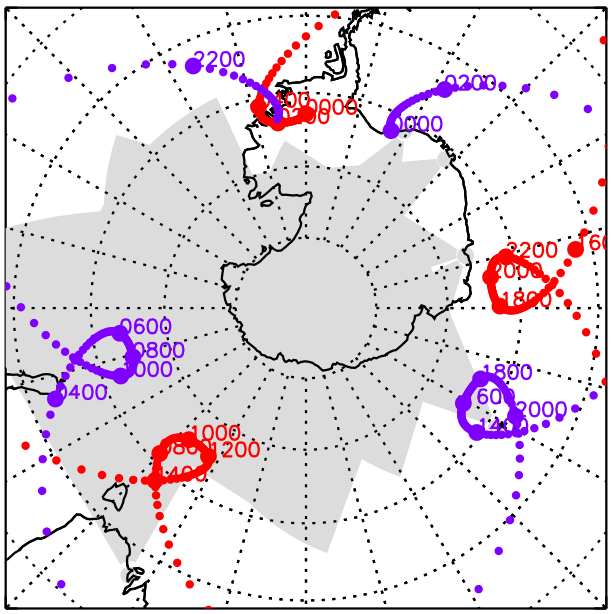


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

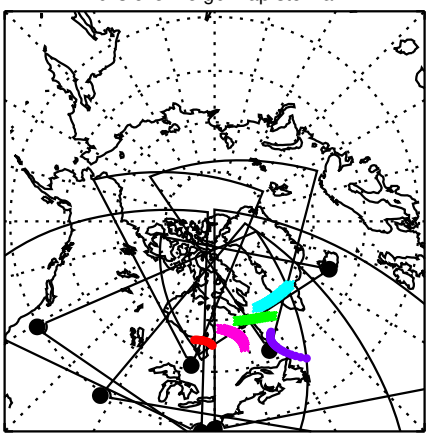
18–Feb–2017

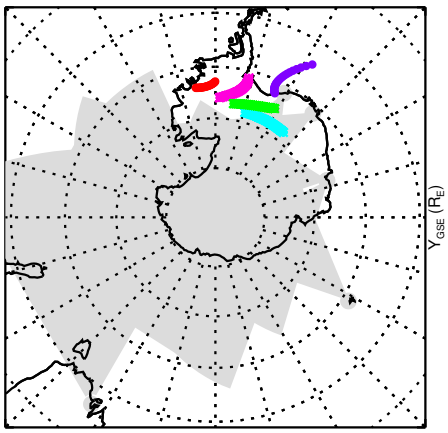
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

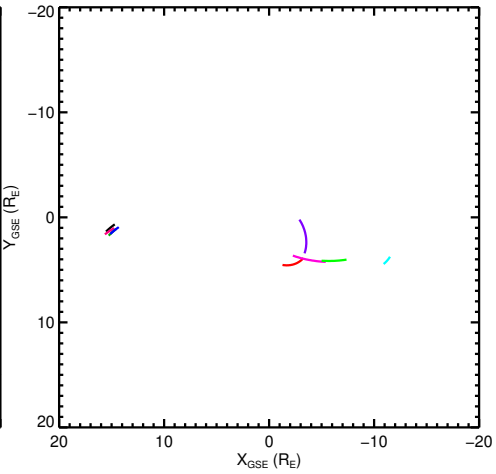




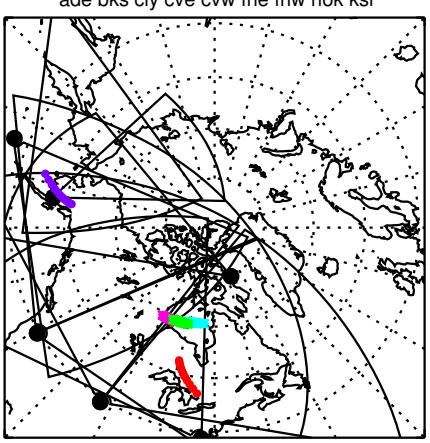
(a) 0000UT to 0200UT
bks cve fhe gbr kap sto wal



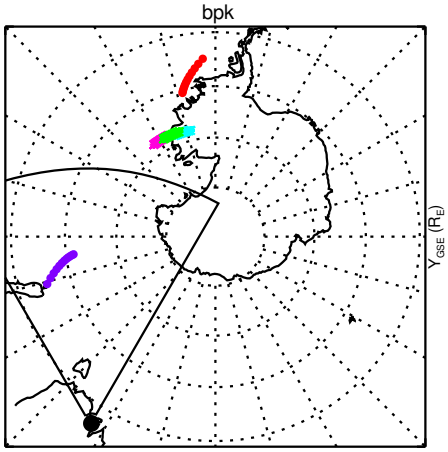


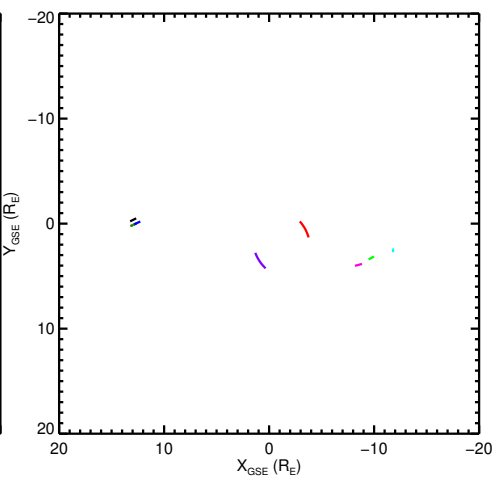


(b) 0410UT to 0505UT
ade bks cly cve cvw fhe fhw hok ksr

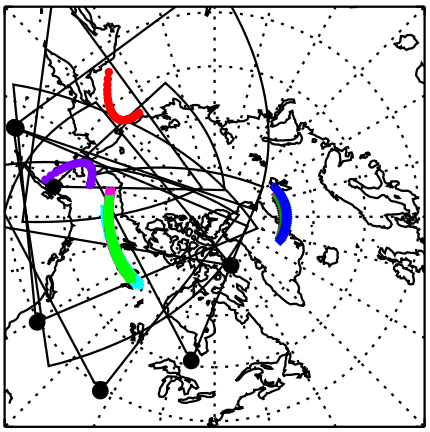


bpk

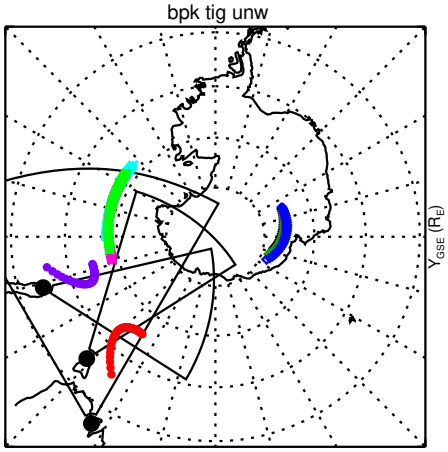


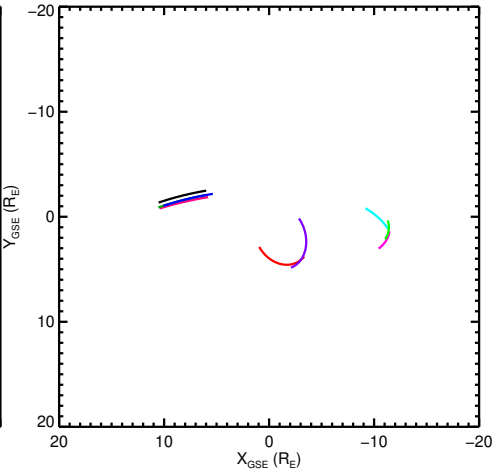


(c) 0715UT to 1105UT
ade adw cly cvw fhw hok kap ksr

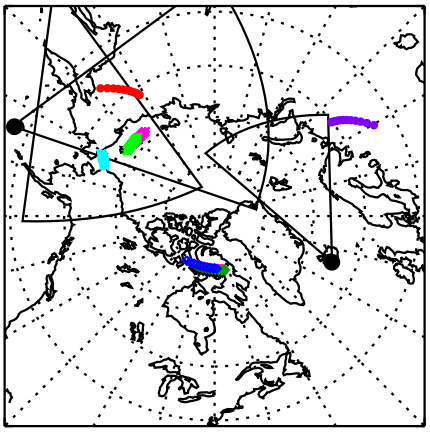


bpk tig unw

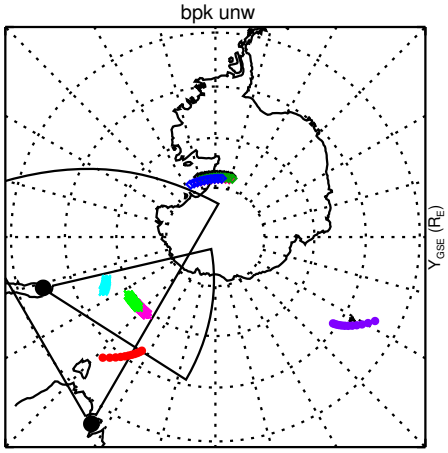


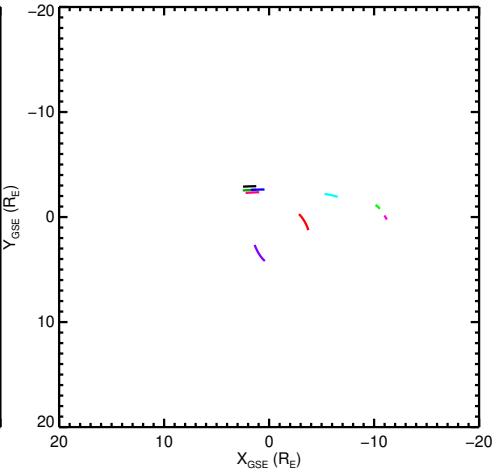


(d) 1310UT to 1405UT
adw hok pyk

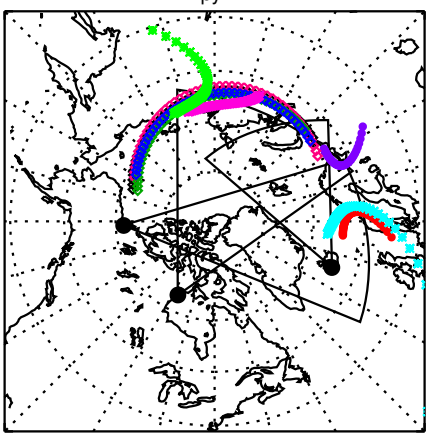


bpk unw

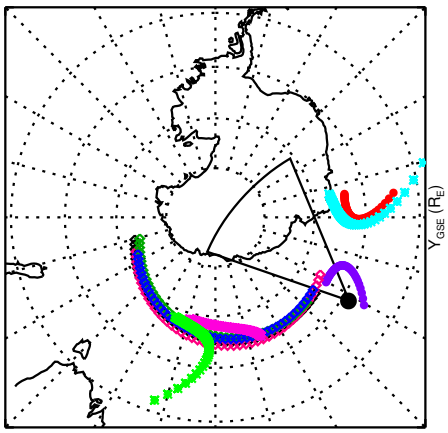


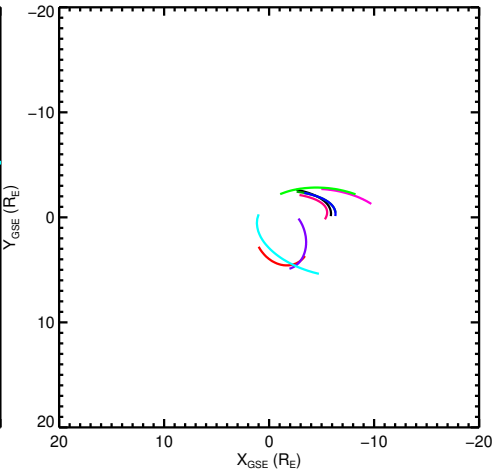


(e) 1610UT to 2010UT
inv pyk rkn

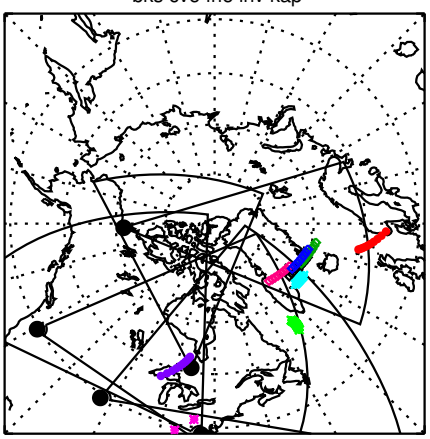


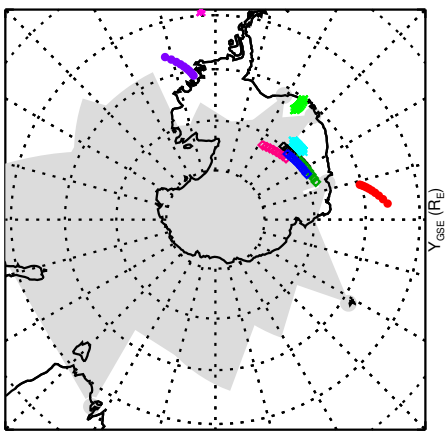
ker

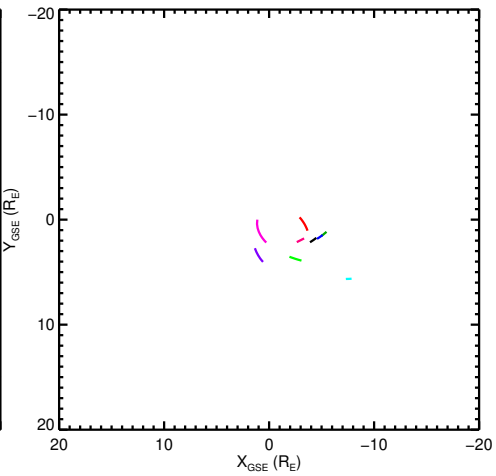




(f) 2215UT to 2300UT
bks cve fhe inv kap



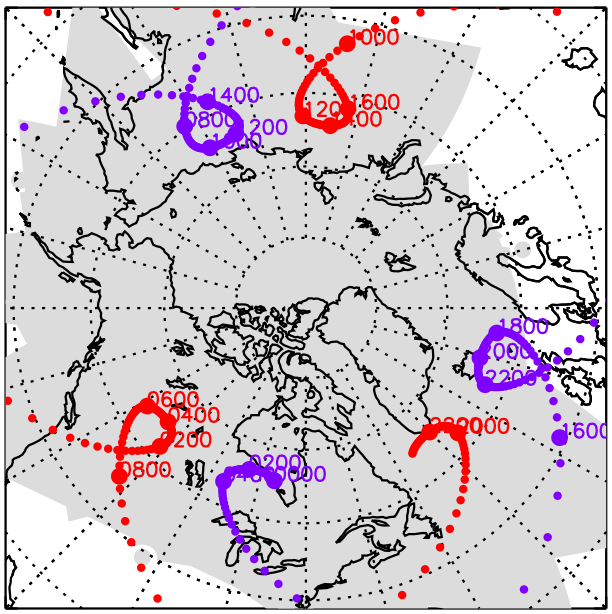


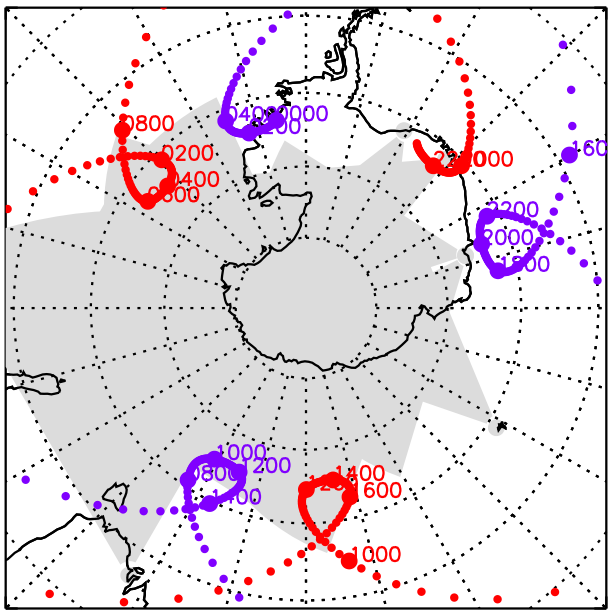


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

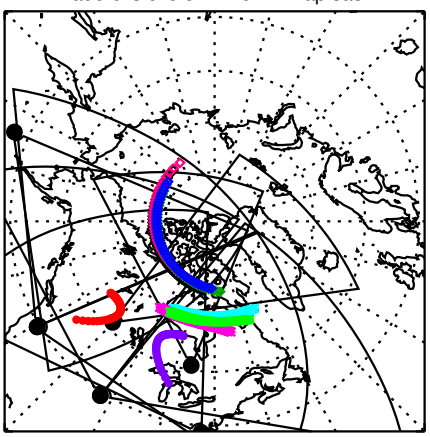
19–Feb–2017

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

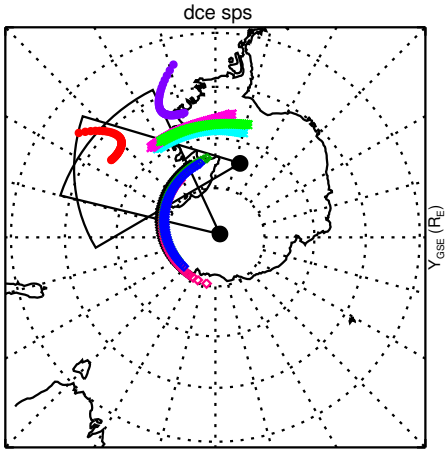


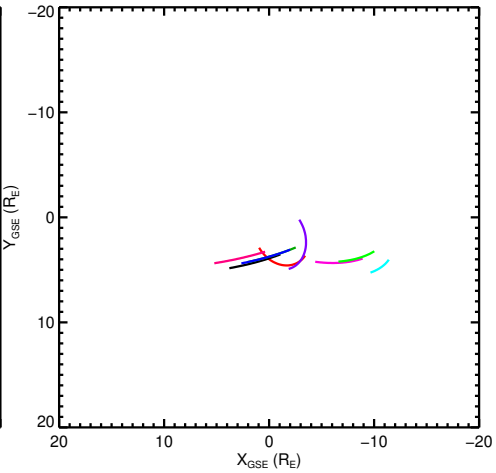


(a) 0110UT to 0510UT
ade bks cve cvw fhe fhw kap sas

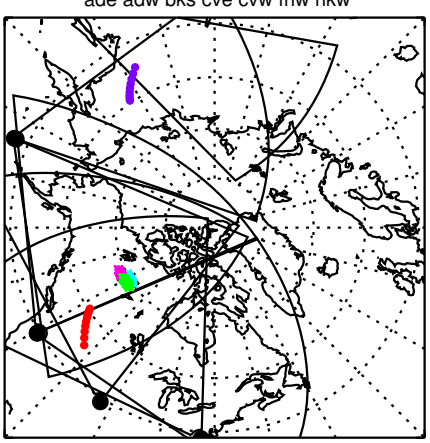


dce sps

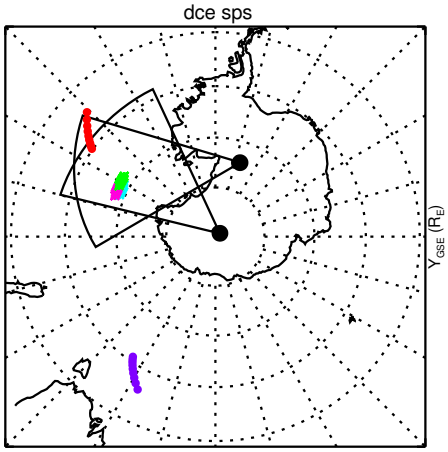


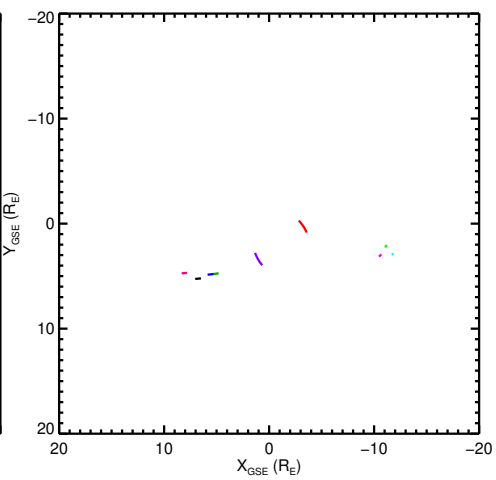


(b) 0720UT to 0800UT
ade adw bks cve cvw fhw hkw

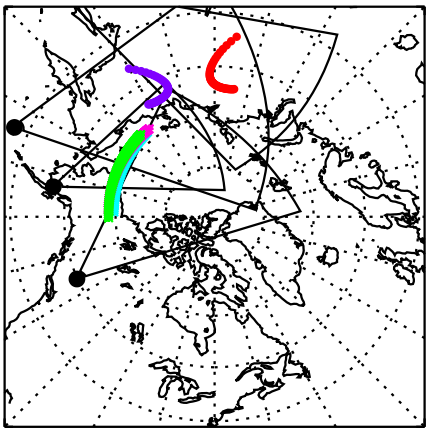


dce sps

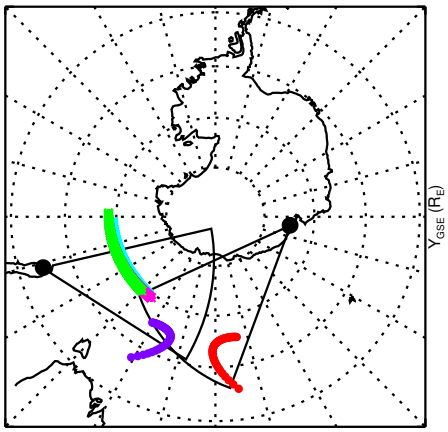


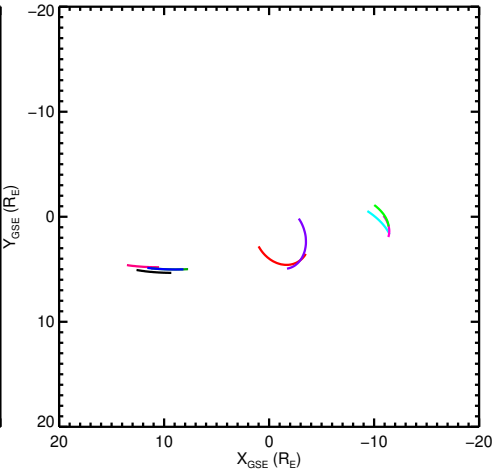


(c) 1005UT to 1415UT
adw hkw ksr pgr

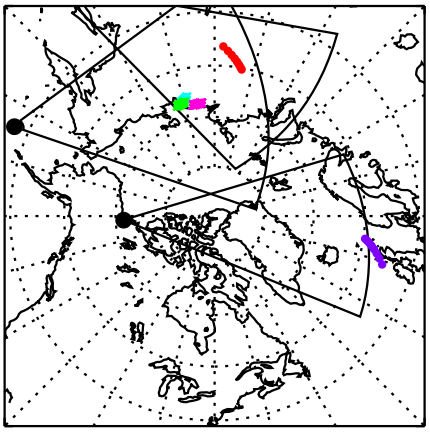


unw zho

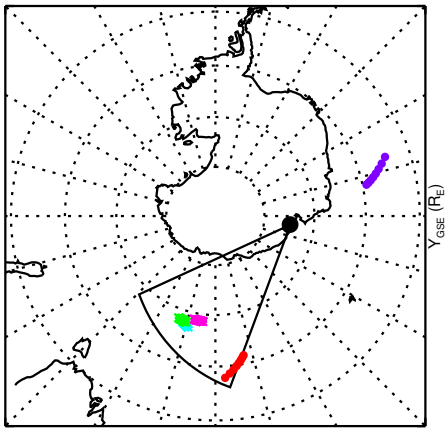


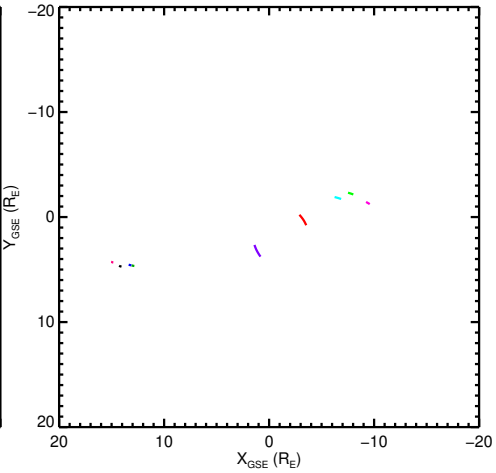


(d) 1620UT to 1655UT
adw hkw inv

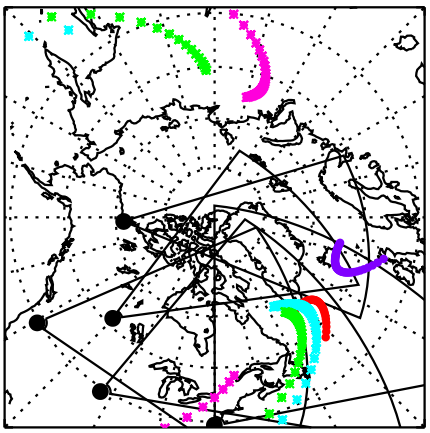


zho

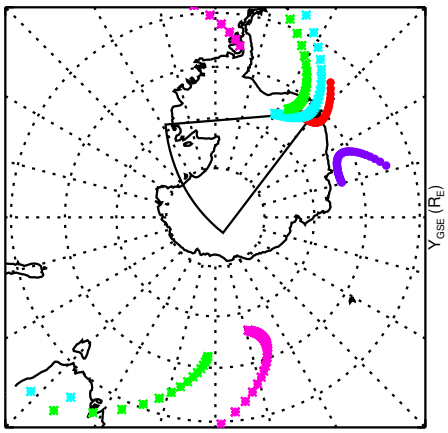


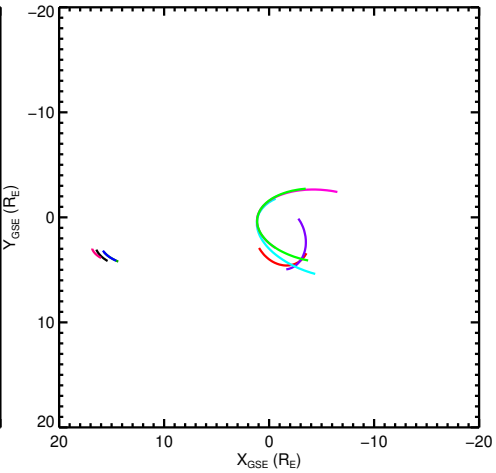


(e) 1905UT to 2320UT
cve fhe inv sas wal



san

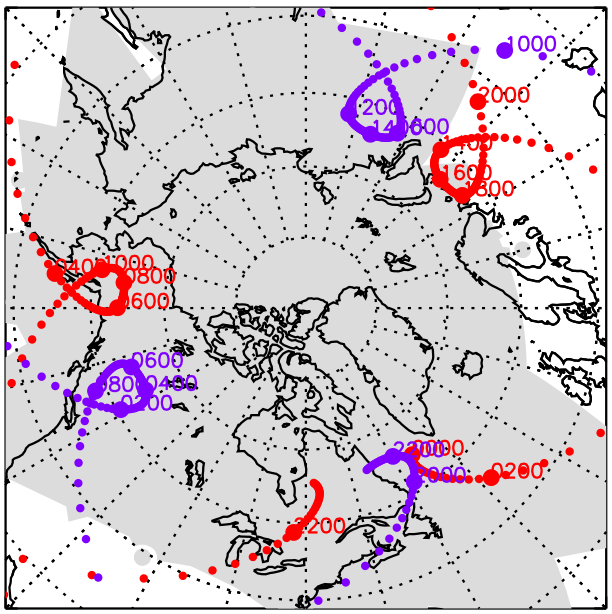


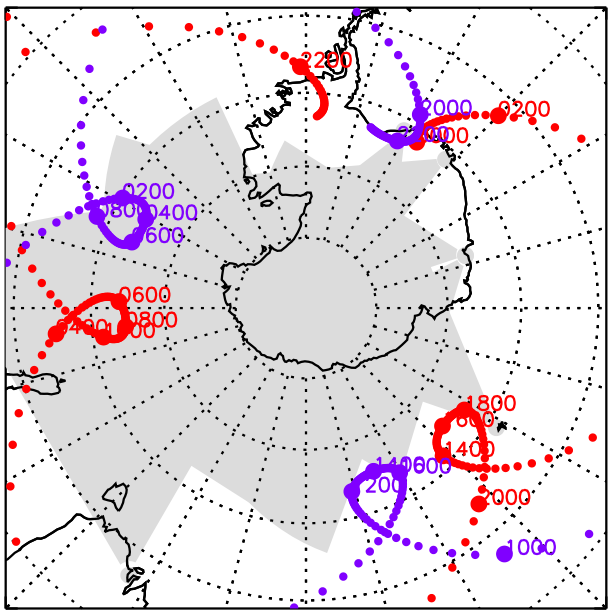


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

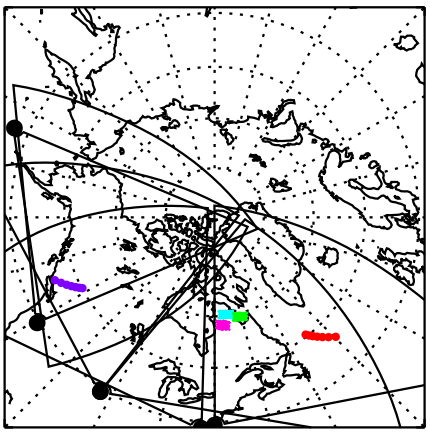
20–Feb–2017

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

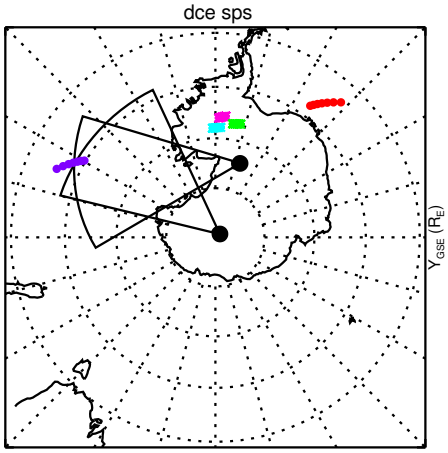


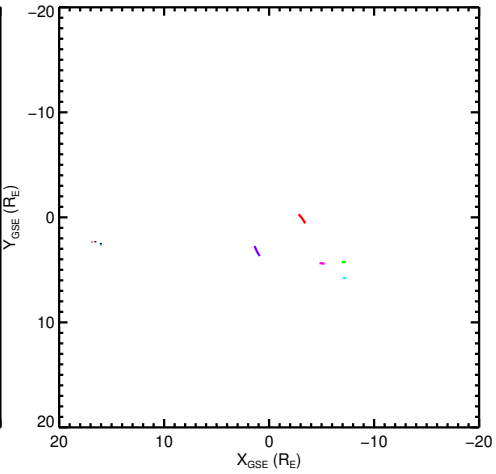


(a) 0125UT to 0155UT
ade bks cvw fhe fhw wal

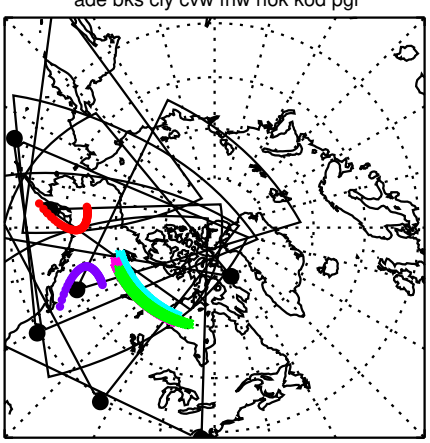


dce sps

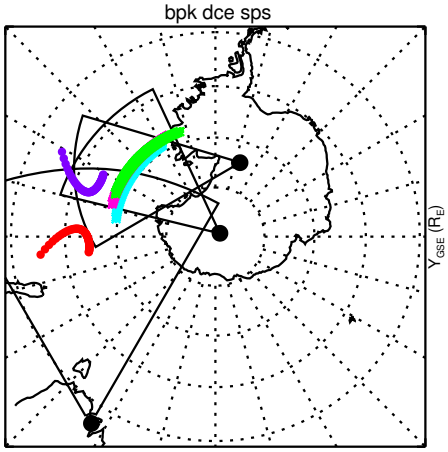


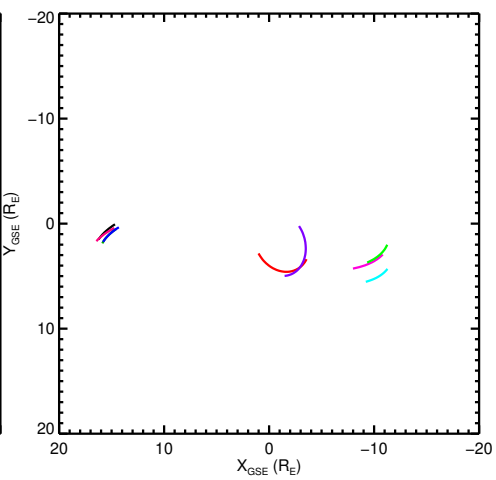


(b) 0400UT to 0820UT
ade bks cly cvw fhw hok kod pgr

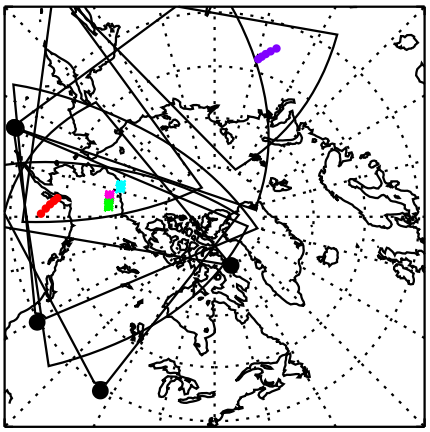


bpk dce sps

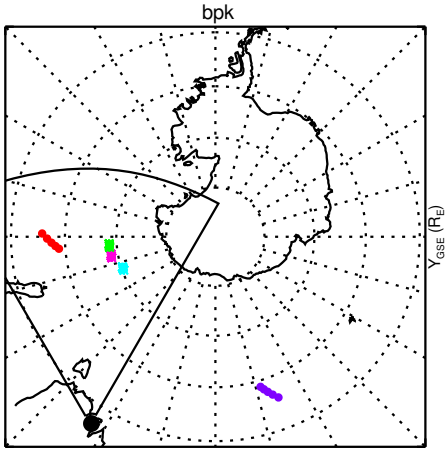


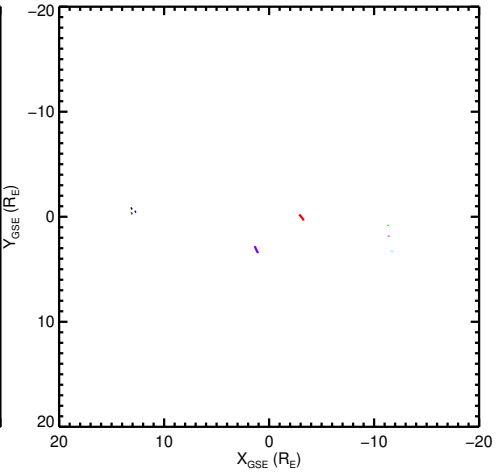


(c) 1030UT to 1050UT
ade adw cly cvw fhw hkw hok

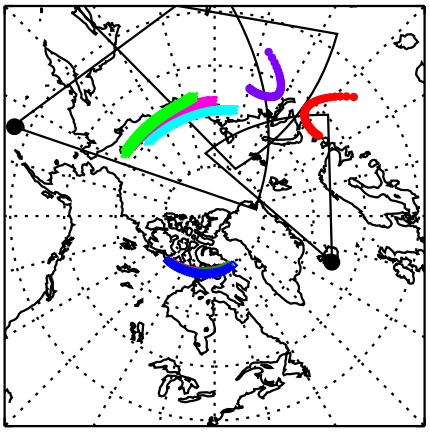


bpk

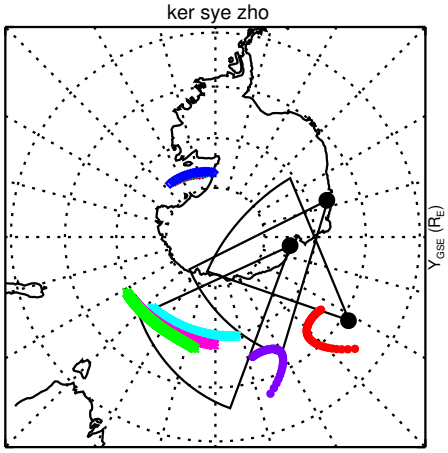


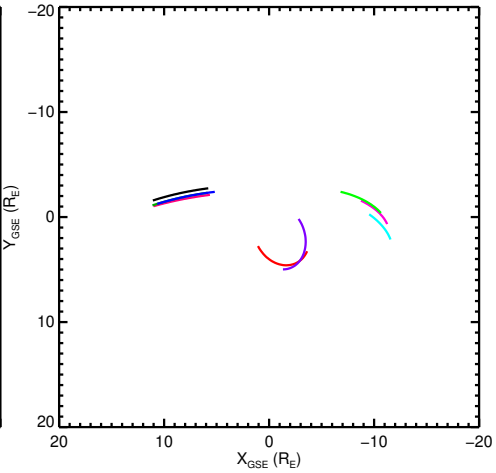


(d) 1255UT to 1725UT
adw hkw pyk

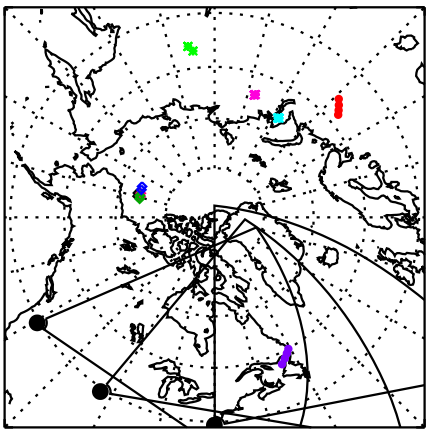


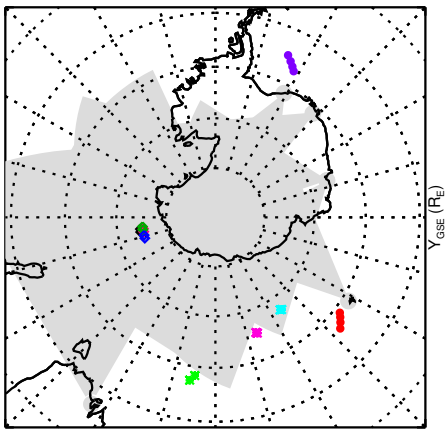
ker sye zho

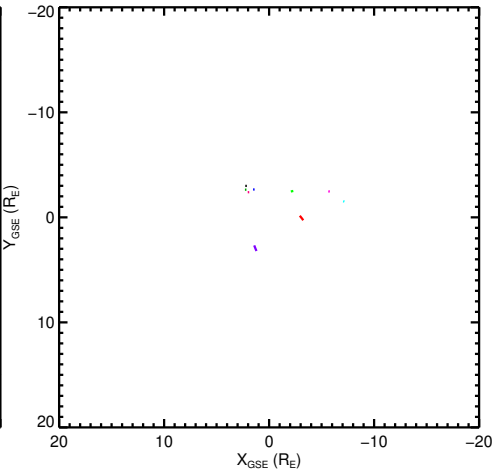




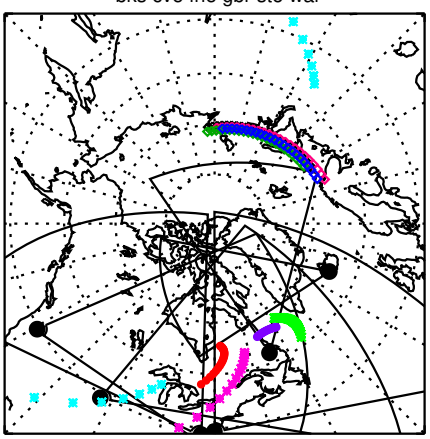
(e) 1930UT to 1945UT
cve fhe wal



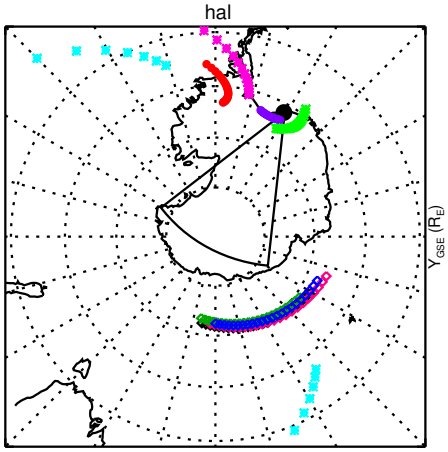


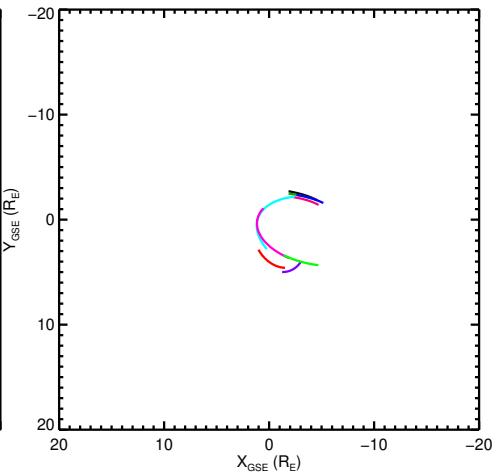


(f) 2155UT to 2355UT
bks cve fhe gbr sto wal



hal

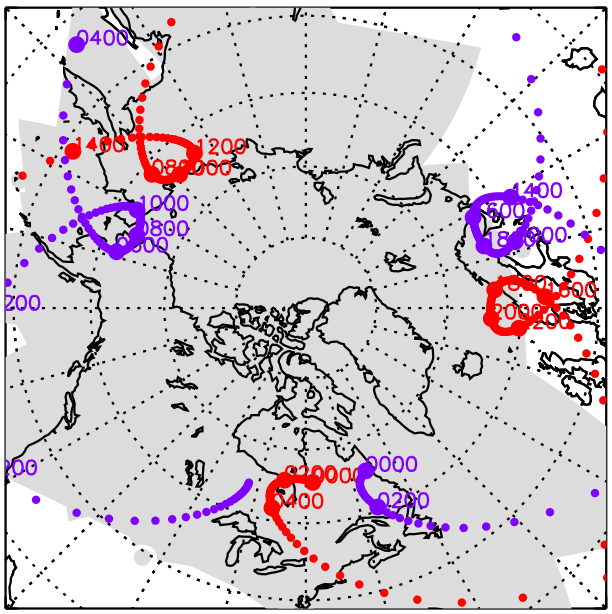


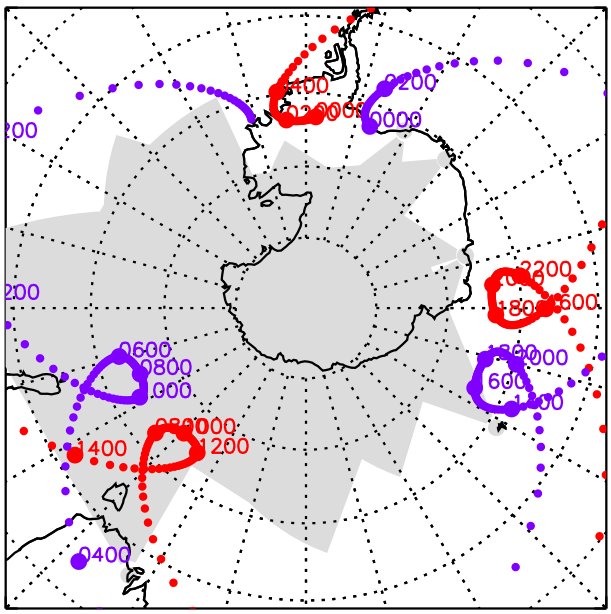


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

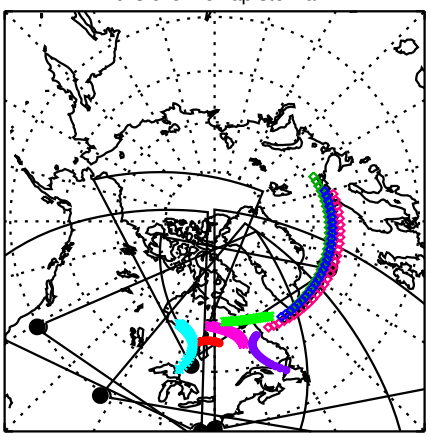
21−Feb−2017

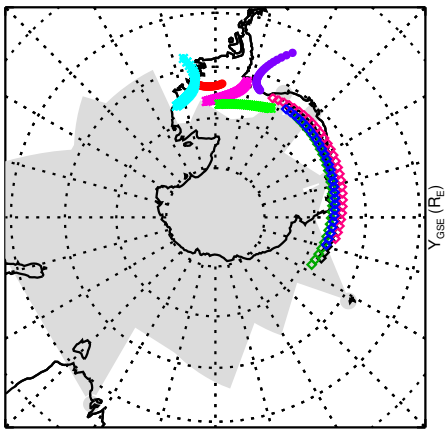
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

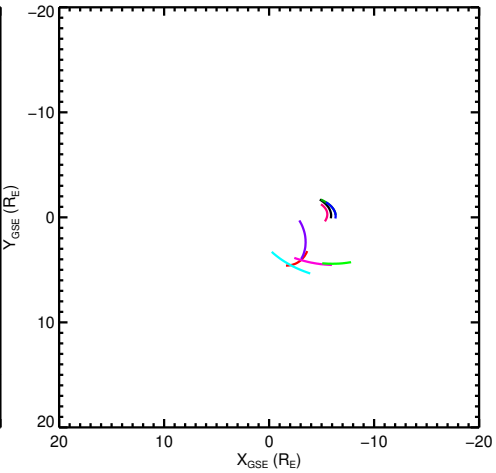




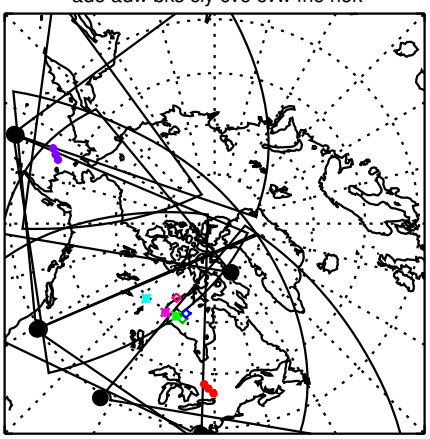
(a) 0000UT to 0225UT
bks cve fhe kap sto wal



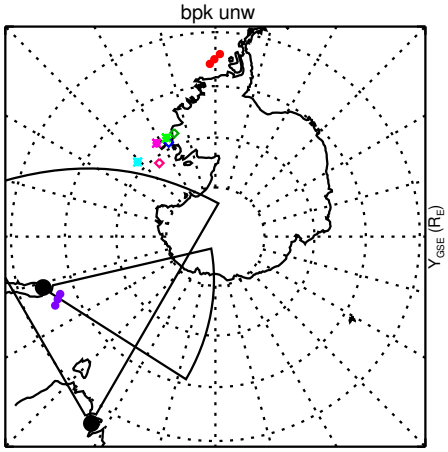


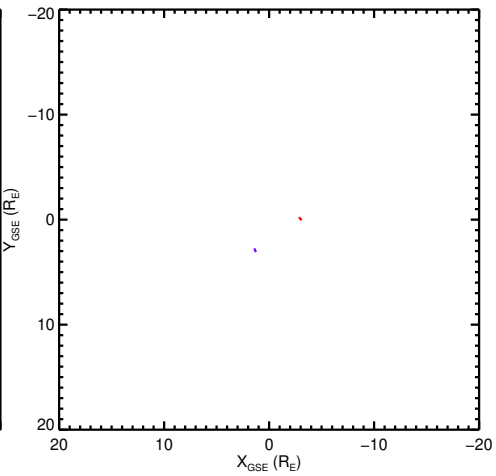


(b) 0435UT to 0445UT
ade adw bks cly cve cvw fhe hok

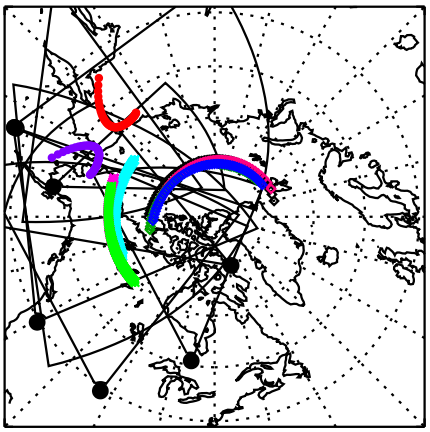


bpk unw

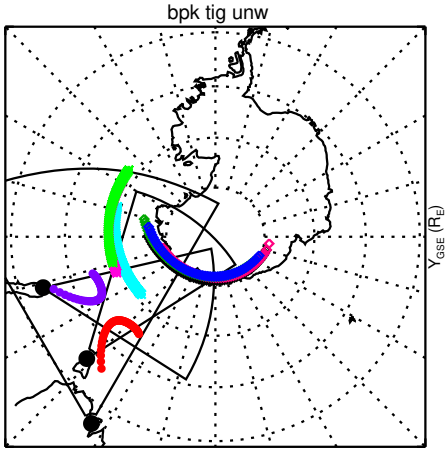


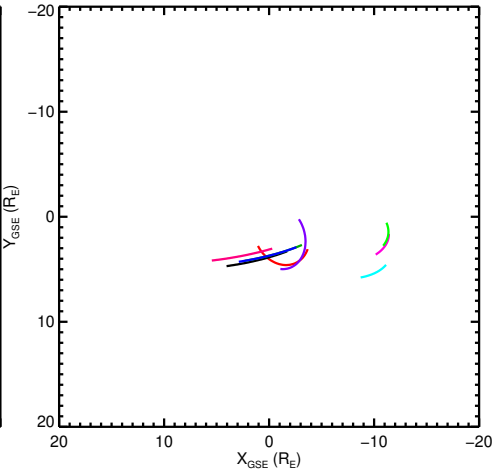


(c) 0650UT to 1130UT
ade adw cly cvw fhw hok kap ksr

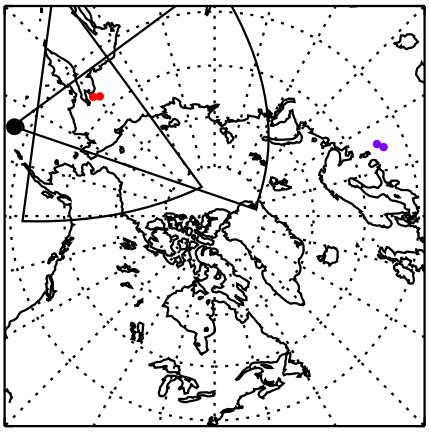


bpk tig unw

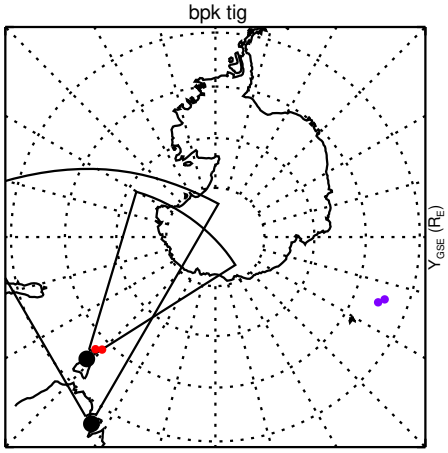


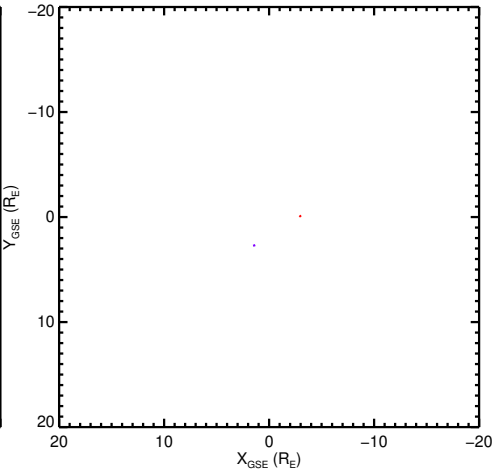


(d) 1335UT to 1340UT
adw hok

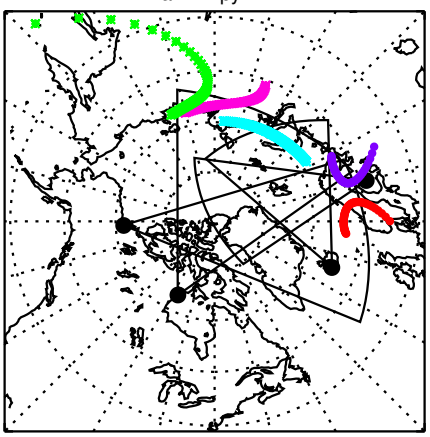


bpk tig

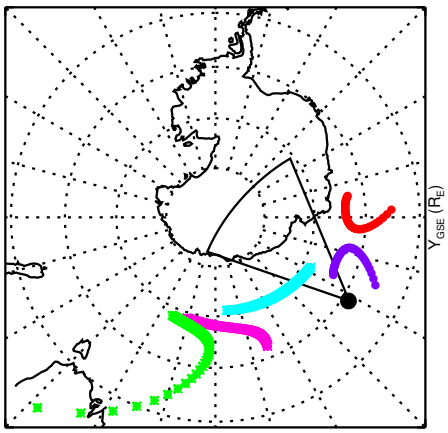


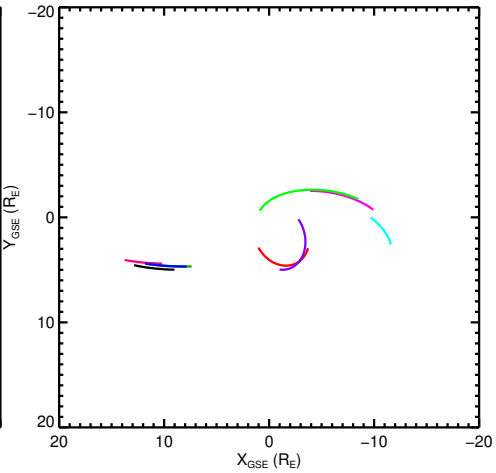


(e) 1550UT to 2035UT
han inv pyk rkn

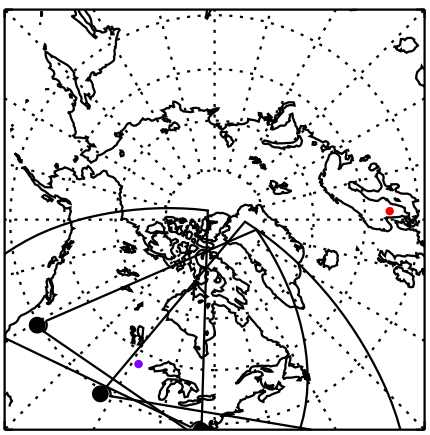


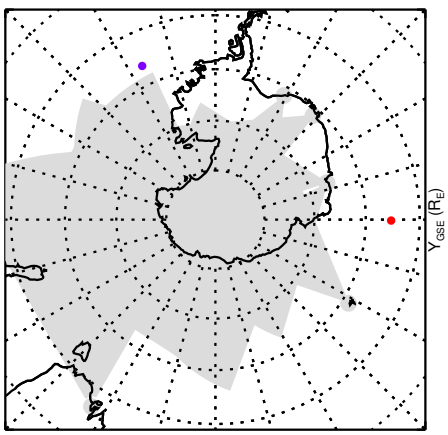
ker

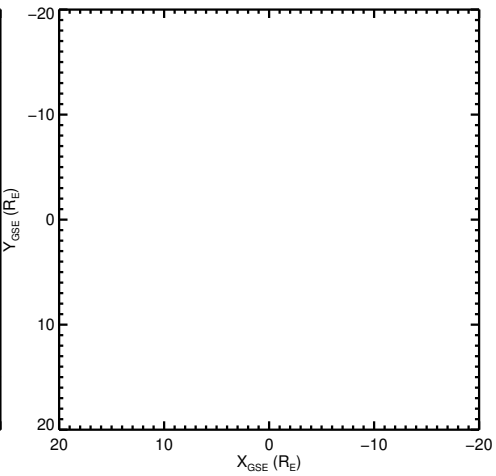




(f) 2240UT to 2240UT
bks cve fhe



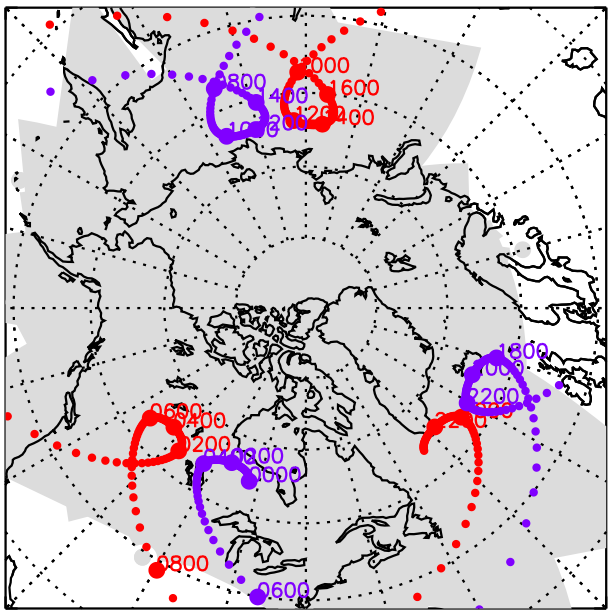


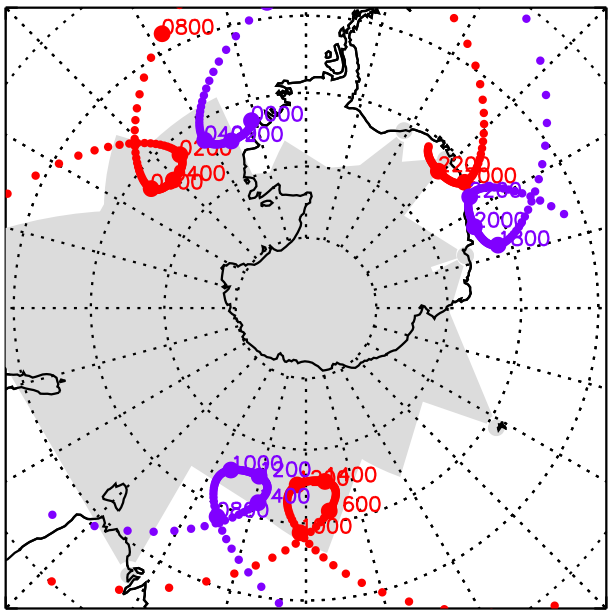


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

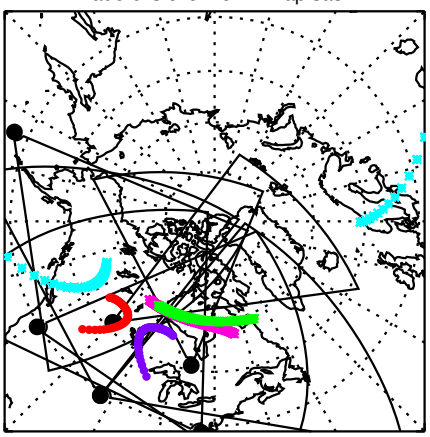
22–Feb–2017

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

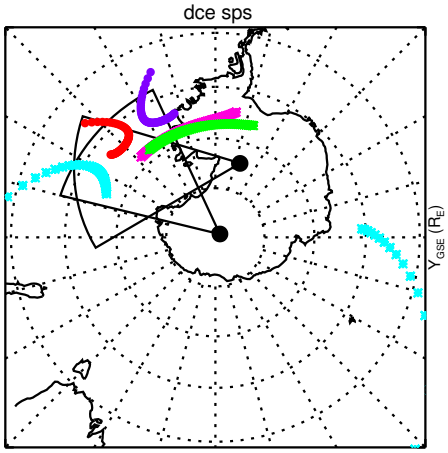


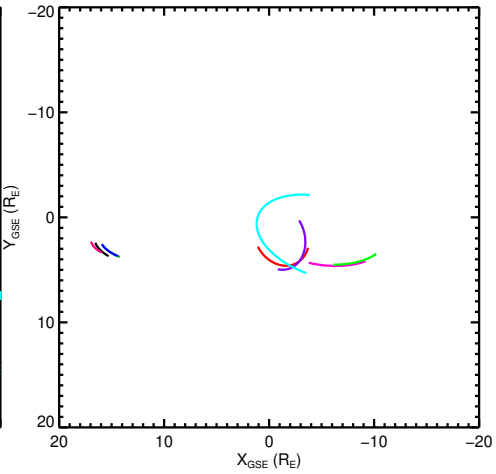


(a) 0045UT to 0535UT
ade bks cve fhe fhw kap sas

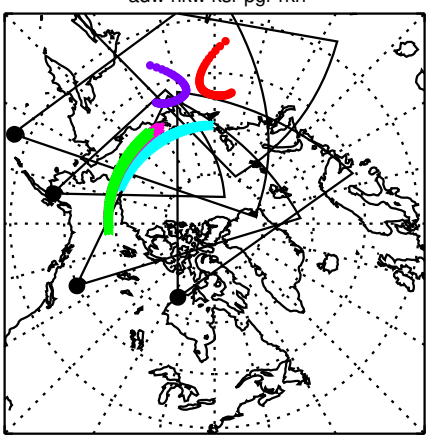


dce sps

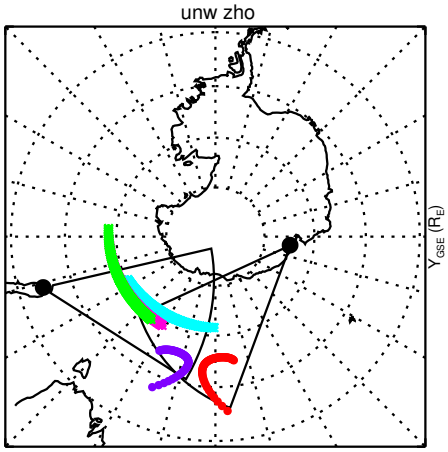


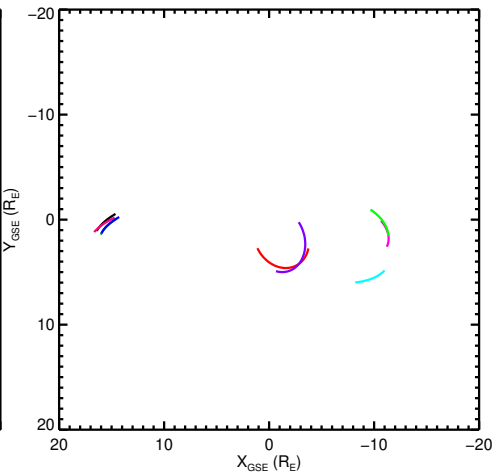


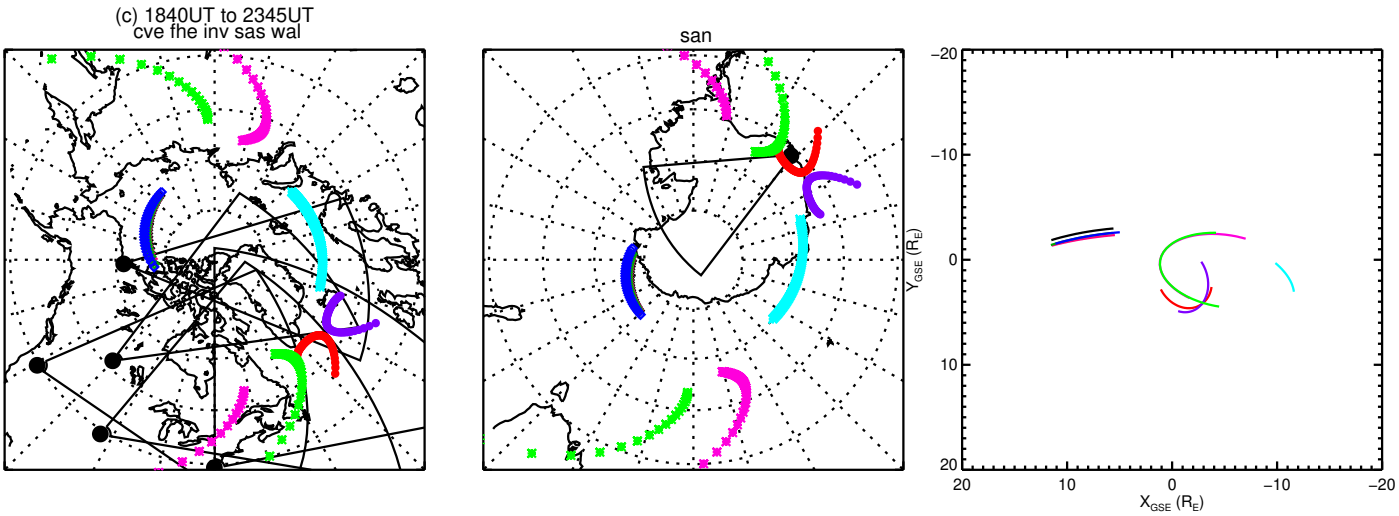
(b) 0940UT to 1440UT
adw hkw ksr pgr rkn



unw zho



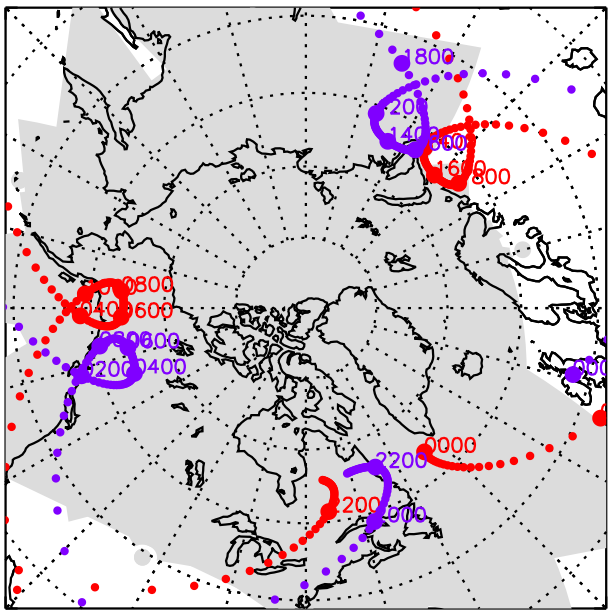


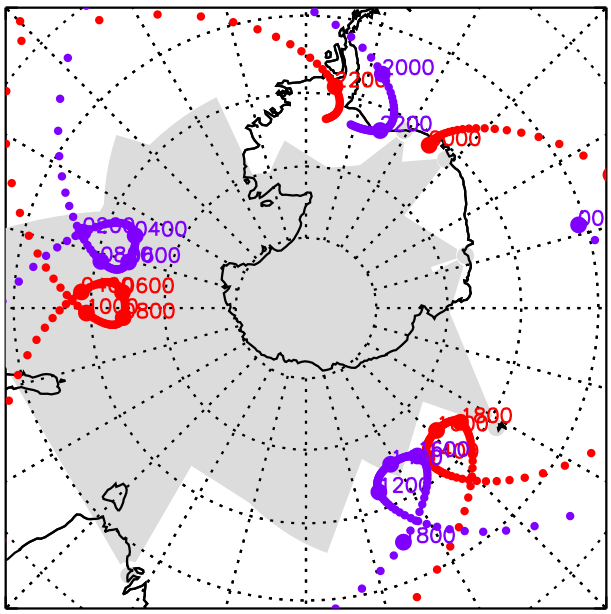

(c) 1840UT to 2345UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

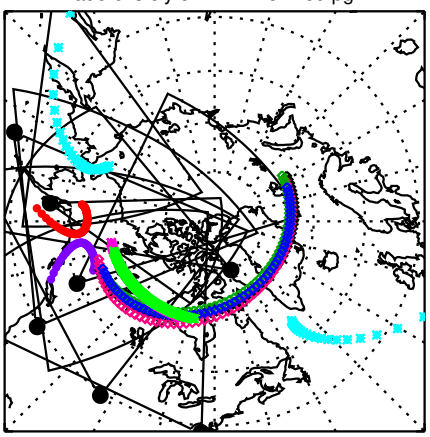
23–Feb–2017

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

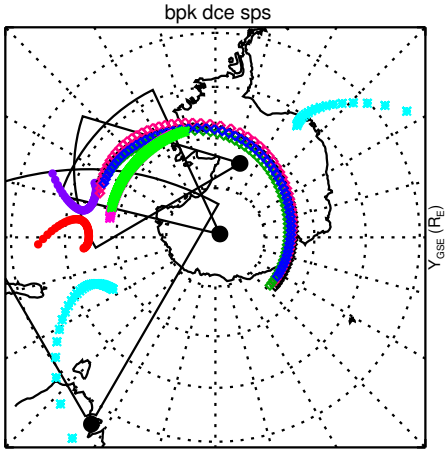


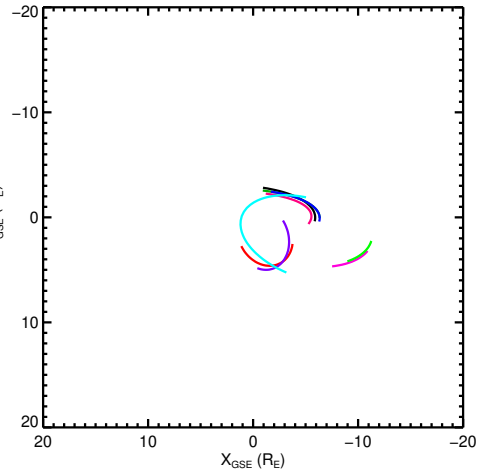


(a) 0335UT to 0845UT
ade bks cly cvw fhw hok kod pgr

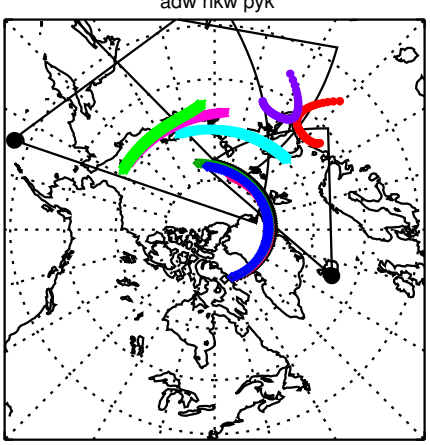


bpk dce sps

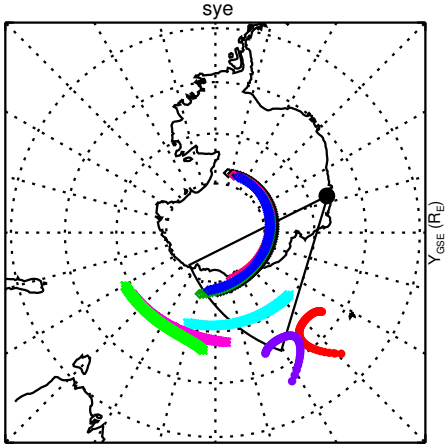


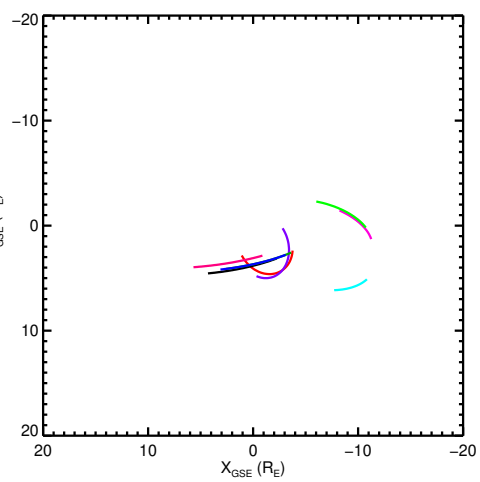


(b) 1235UT to 1750UT
adw hkw pyk

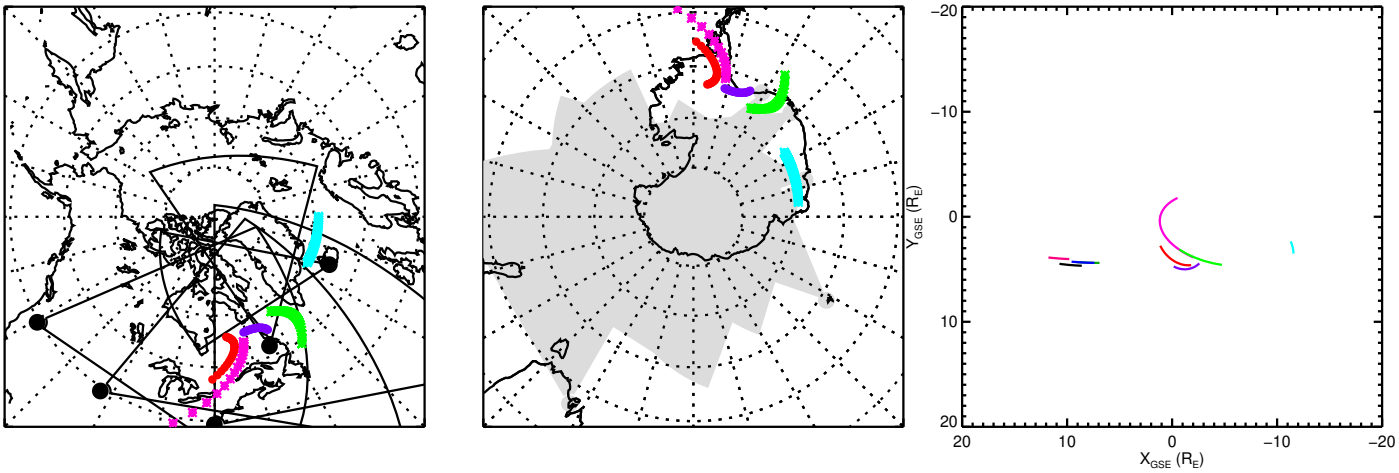


sye





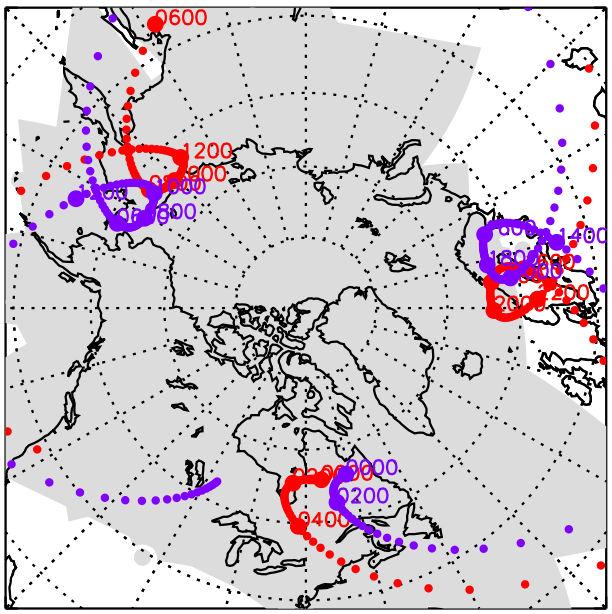
(c) 2130UT to 2355UT
cve fhe gbr sto wal

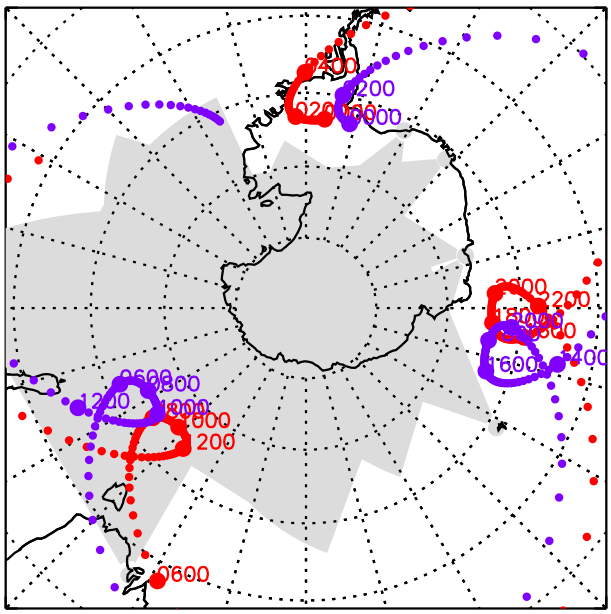


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

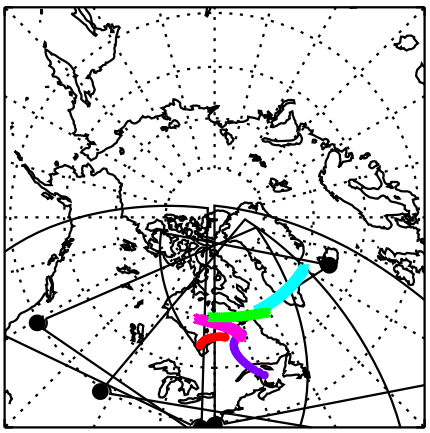
24–Feb–2017

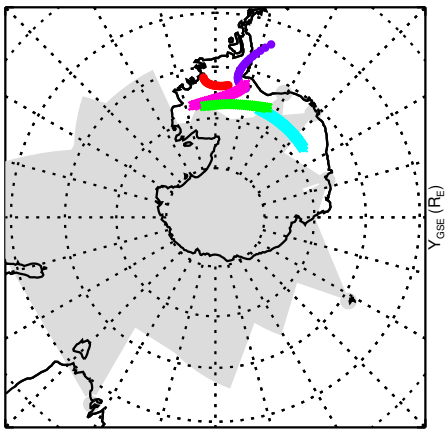
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

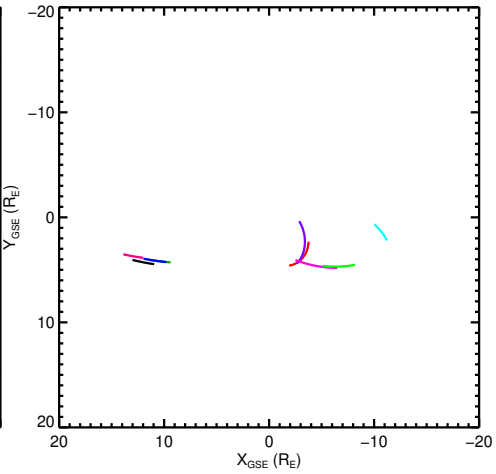




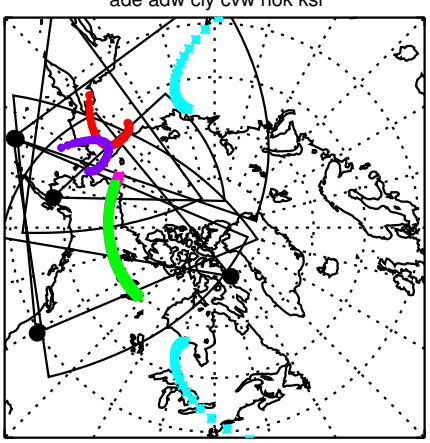
(a) 0000UT to 0250UT
bks cve fhe sto wal



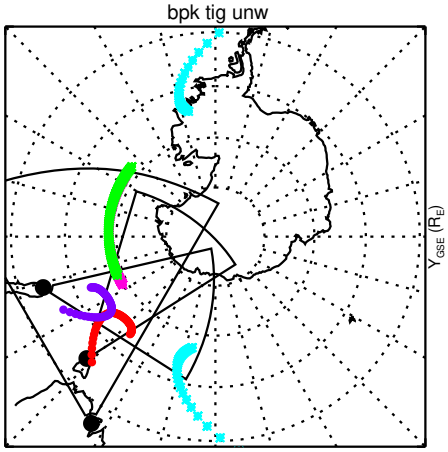


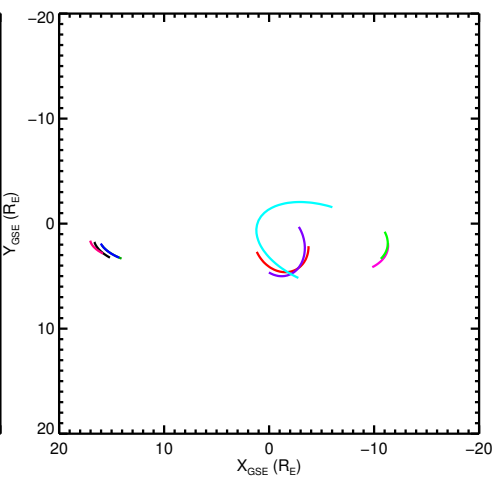


(b) 0625UT to 1155UT
ade adw cly cvw hok ksr

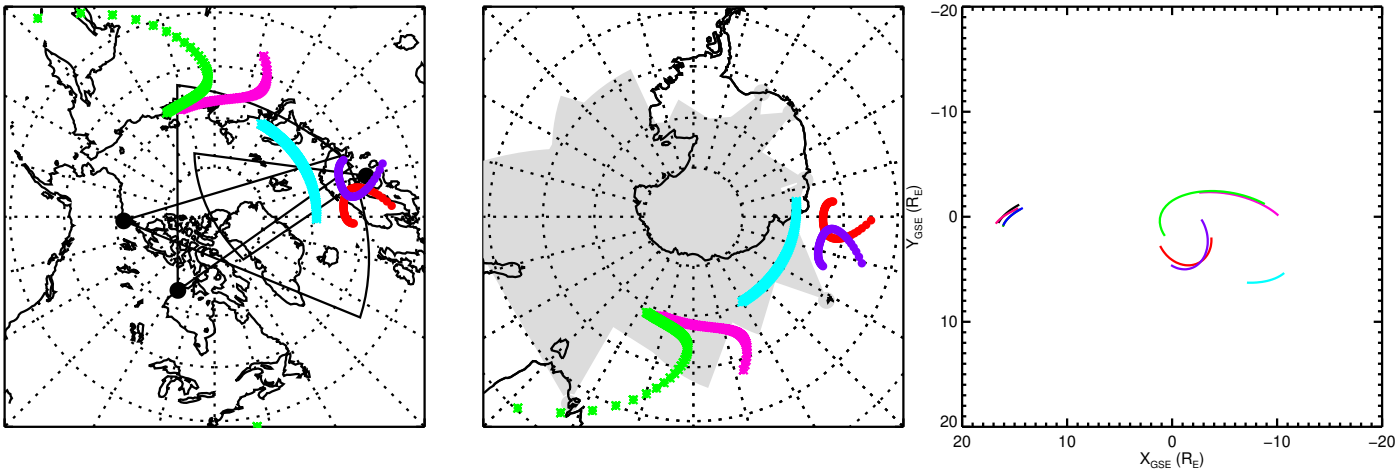


bpk tig unw





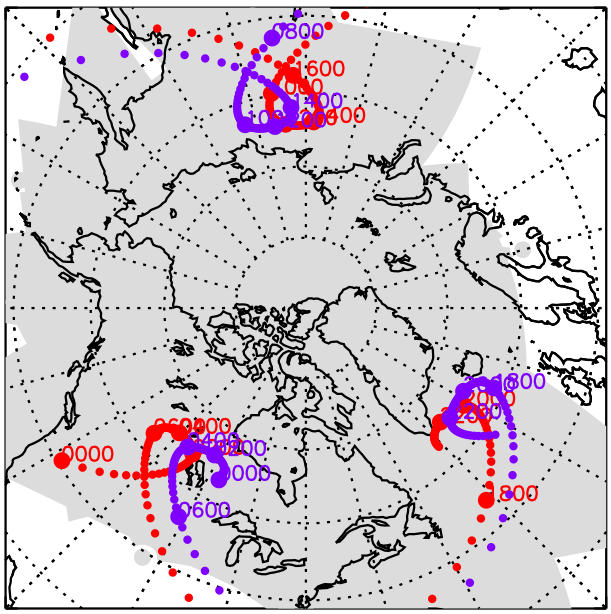
(c) 1525UT to 2100UT
han inv rkn

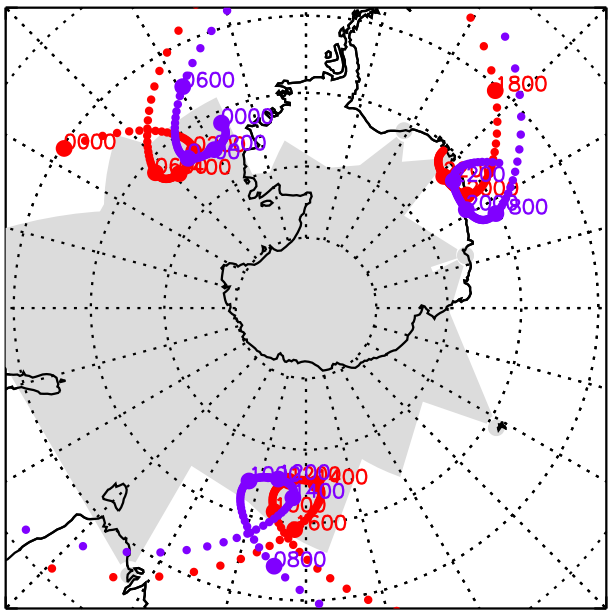


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

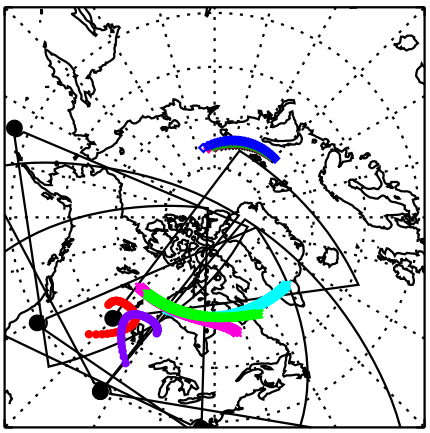
25–Feb–2017

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

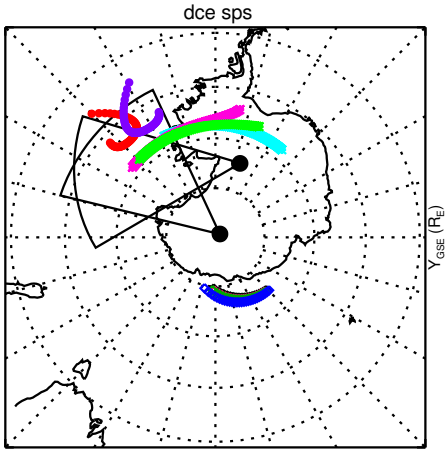


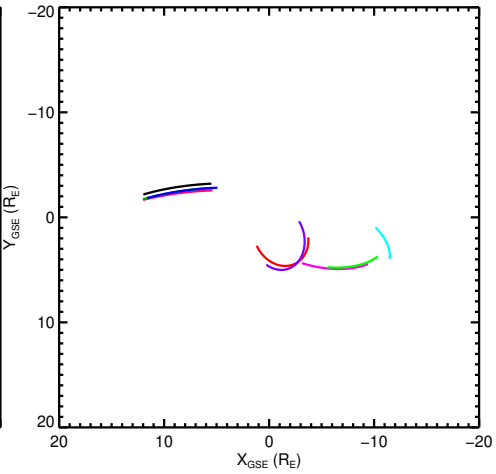


(a) 0020UT to 0600UT
ade bks cve fhe fhw sas

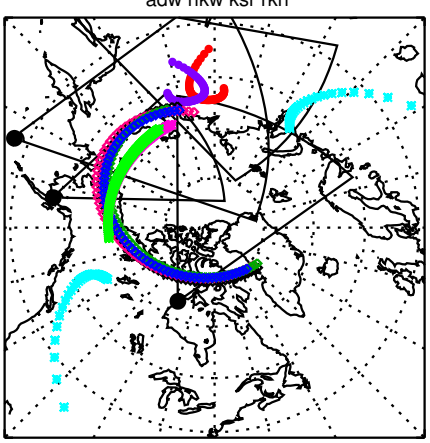


dce sps

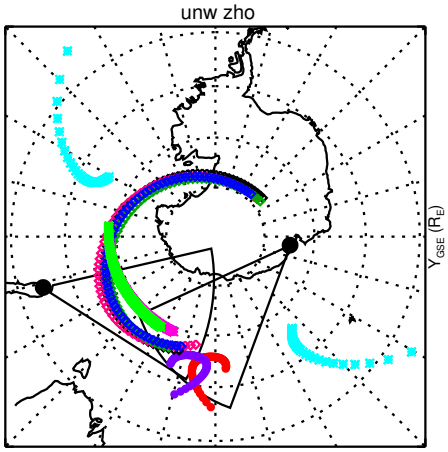


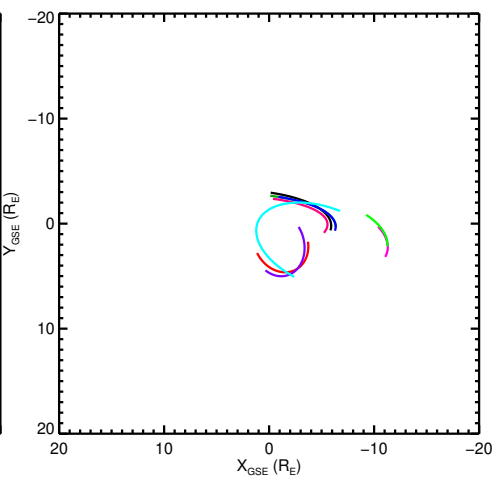


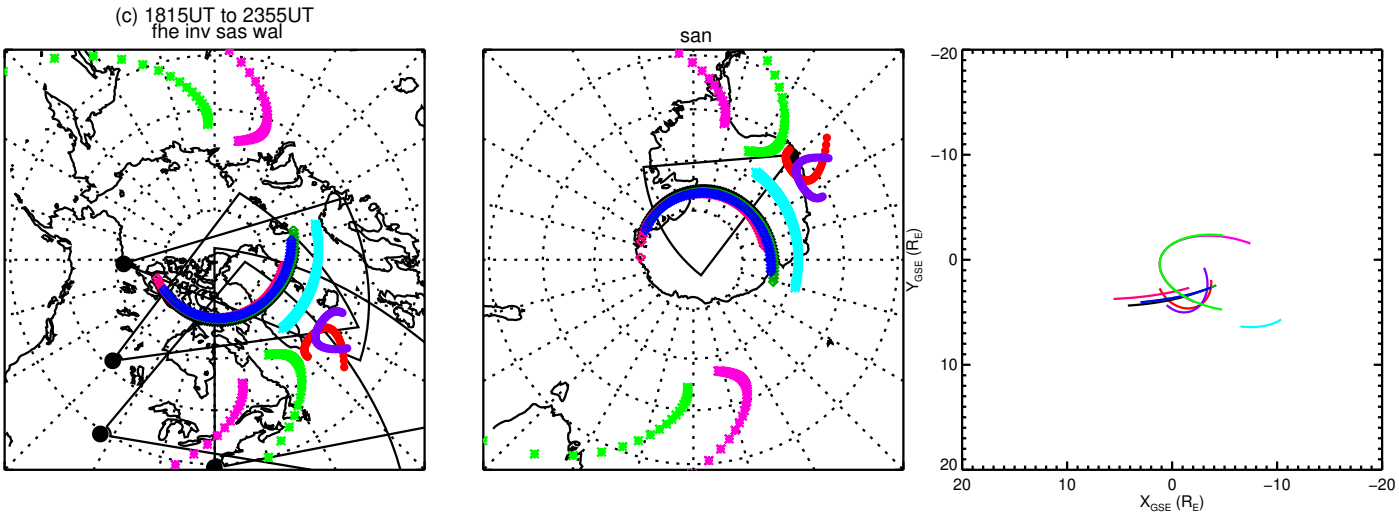
(b) 0920UT to 1505UT
adw hkw ksr rkn



unw zho



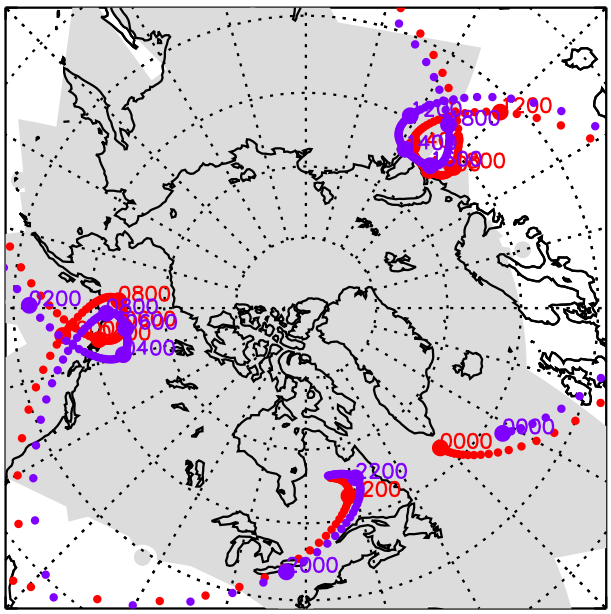


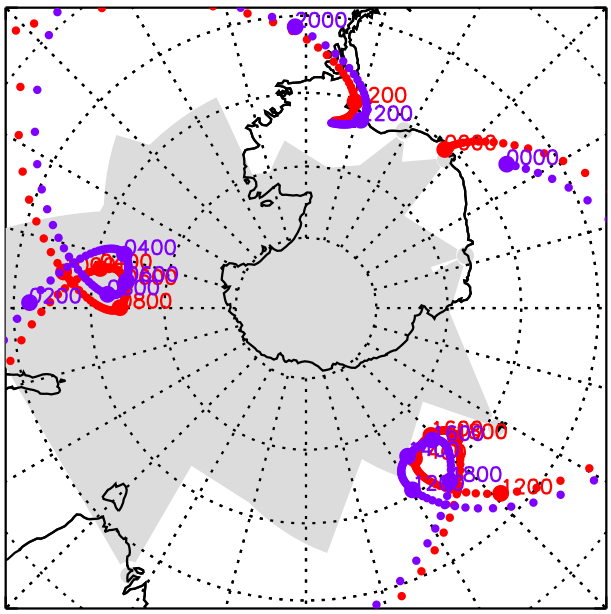

(c) 1815UT to 2355UT
fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

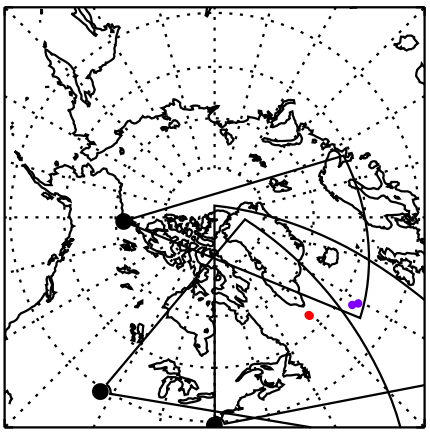
26–Feb–2017

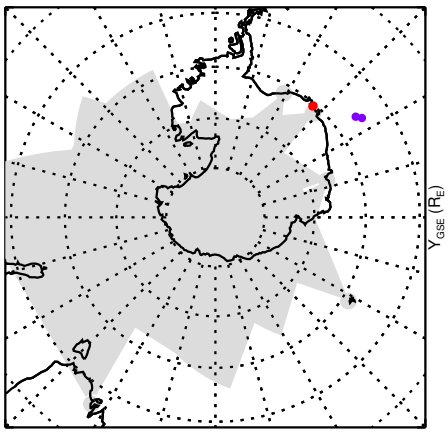
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

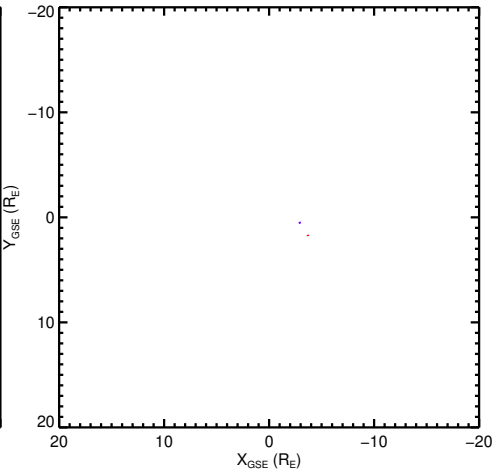




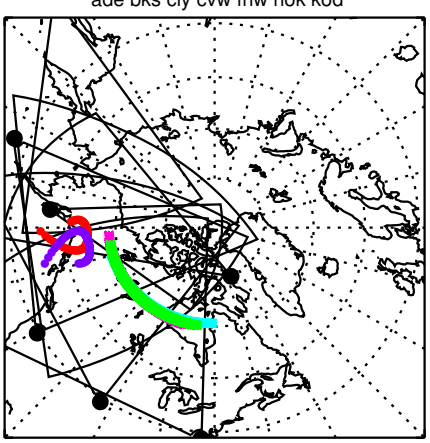
(a) 0000UT to 0005UT
fhe inv wal



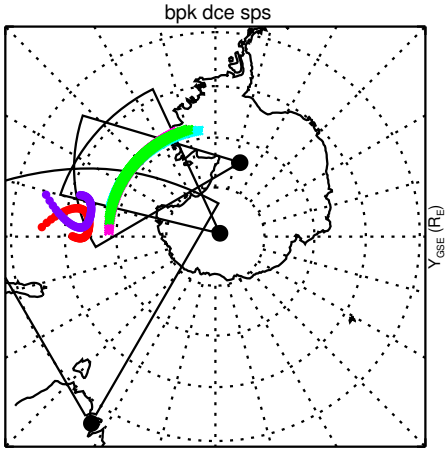


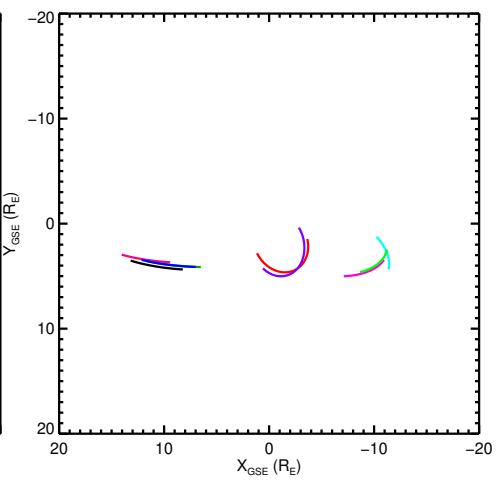


(b) 0315UT to 0910UT
ade bks cly cvw fhw hok kod



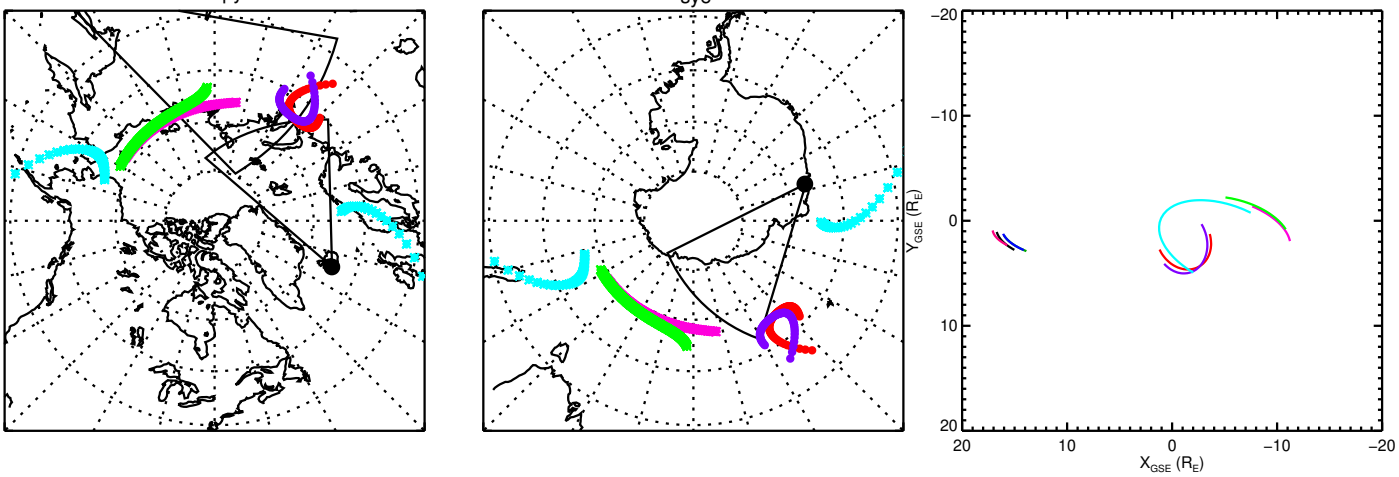
bpk dce sps



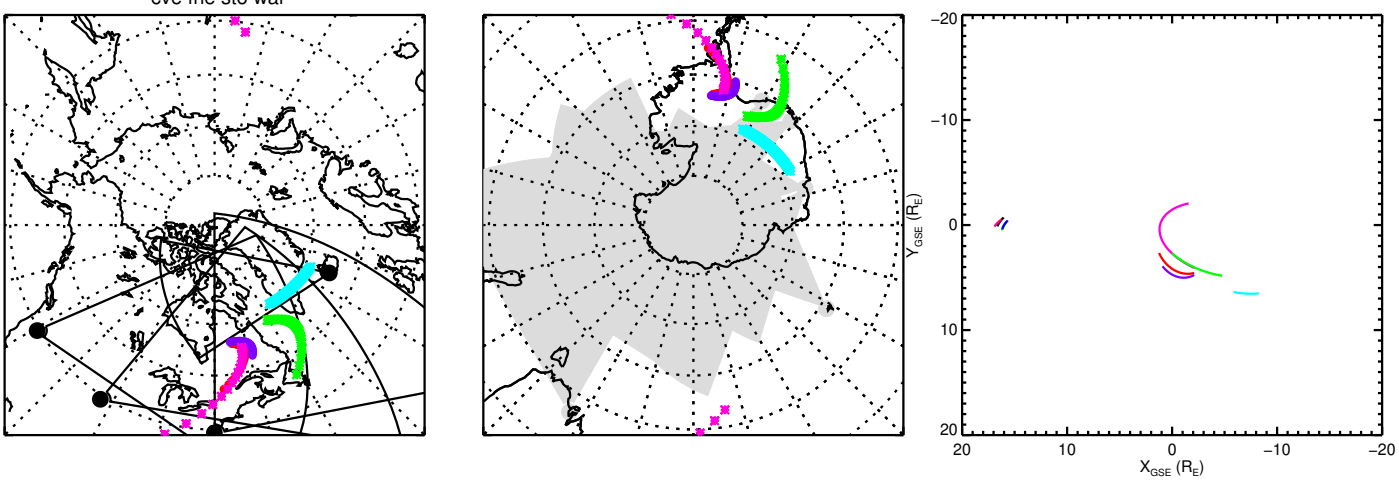


(c) 1210UT to 1815UT
hkw pyk

sye



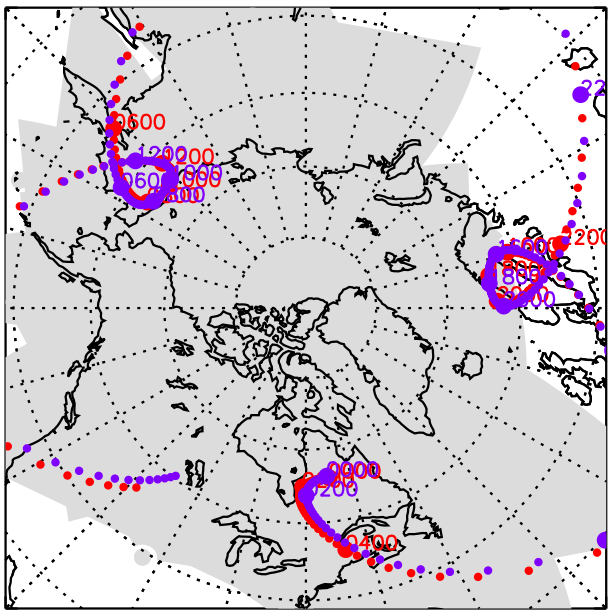
(d) 2105UT to 2355UT
cve fhe sto wal

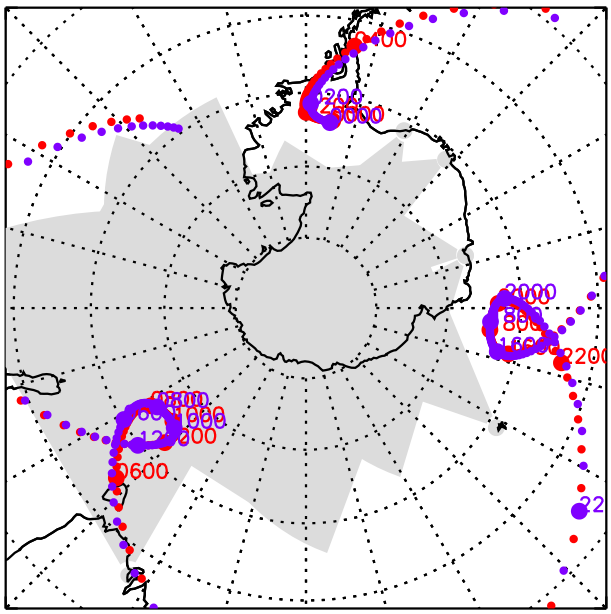


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

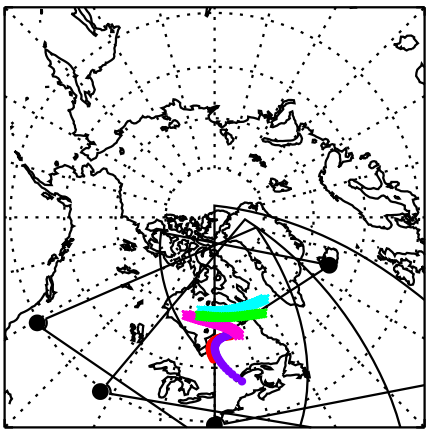
27−Feb−2017

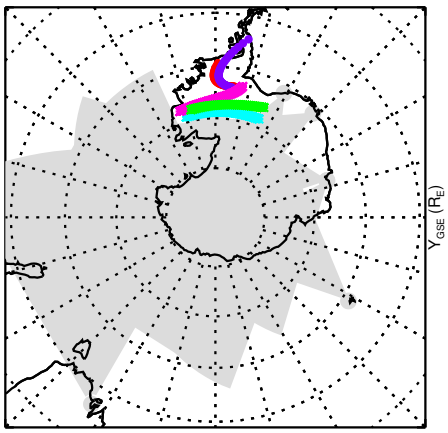
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

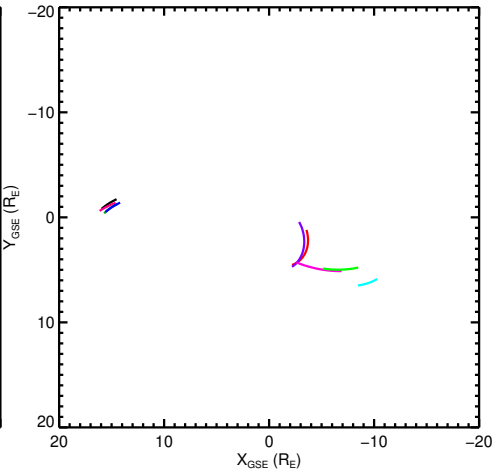




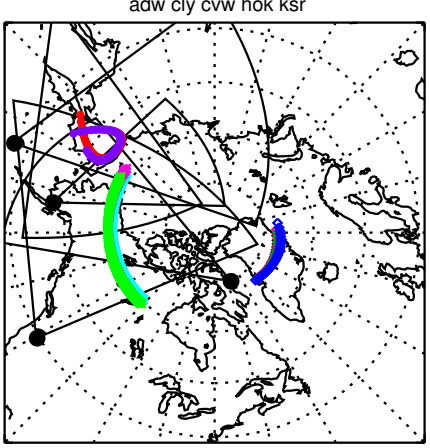
(a) 0000UT to 0315UT
cve fhe sto wal



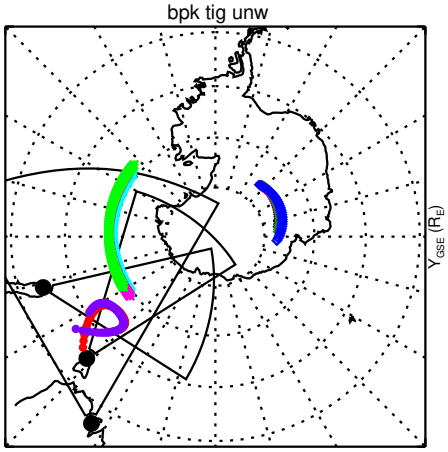


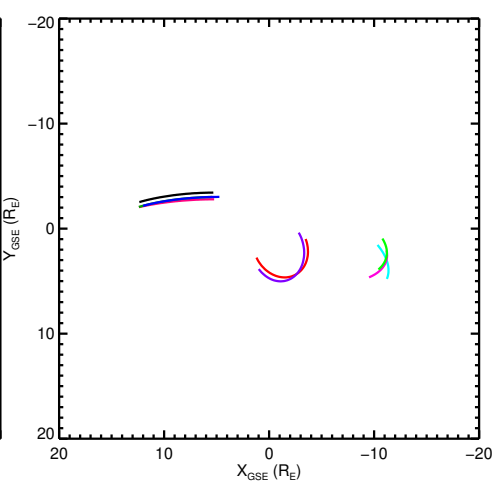


(b) 0605UT to 1220UT
adw cly cvw hok ksr

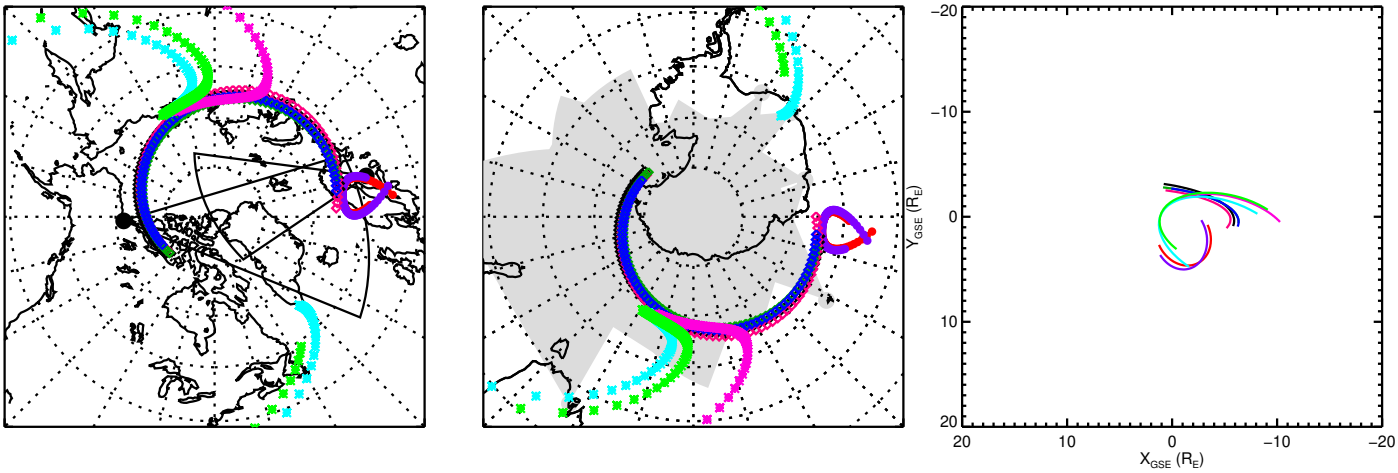


bpk tig unw





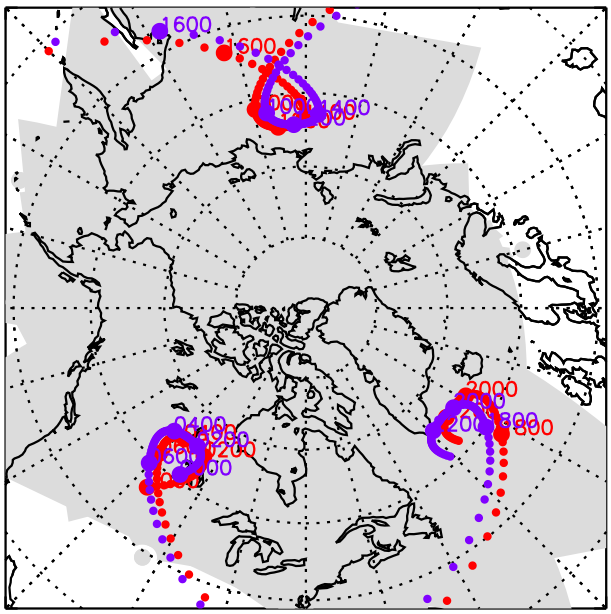
(c) 1500UT to 2125UT
han inv

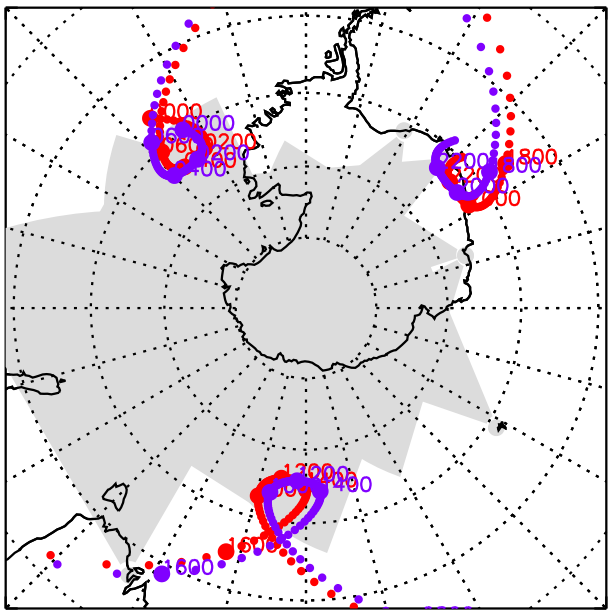


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

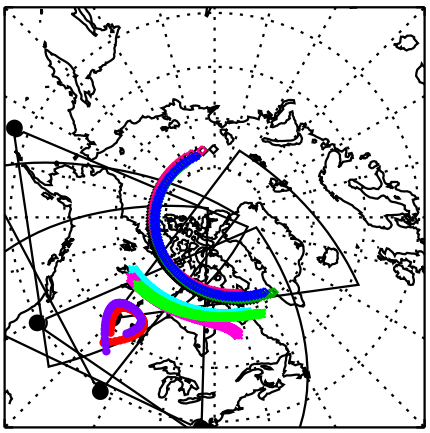
28–Feb–2017

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

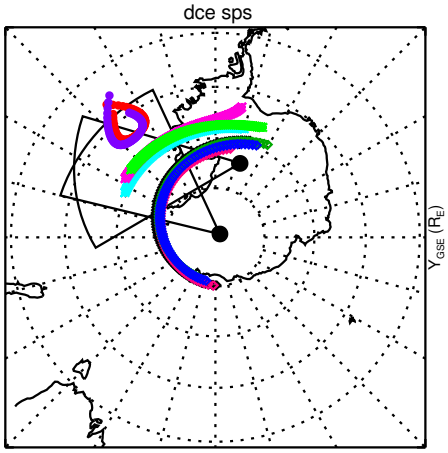


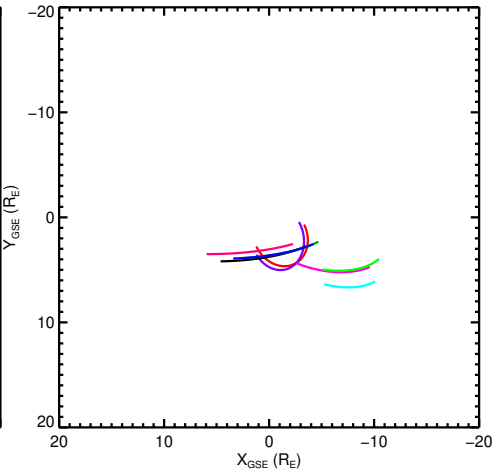


(a) 0000UT to 0625UT
ade bks cve fhw sas

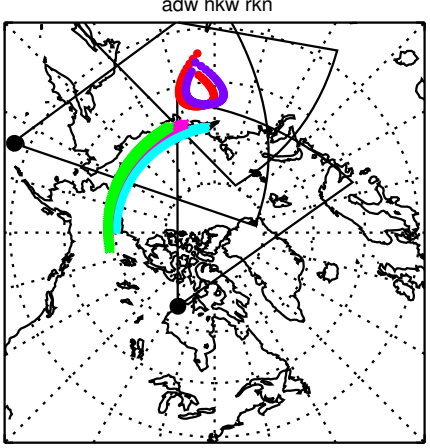


dce sps

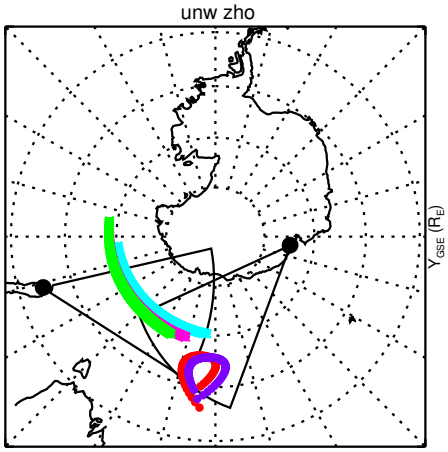


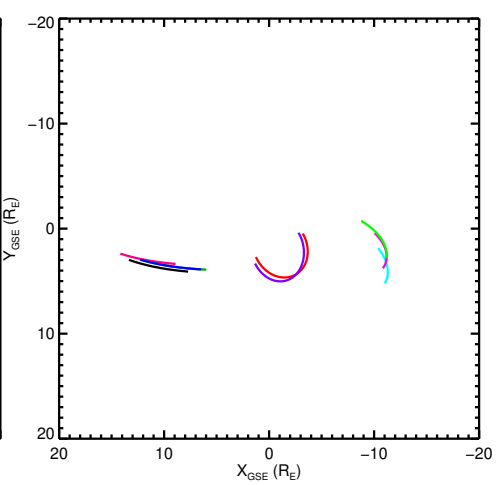


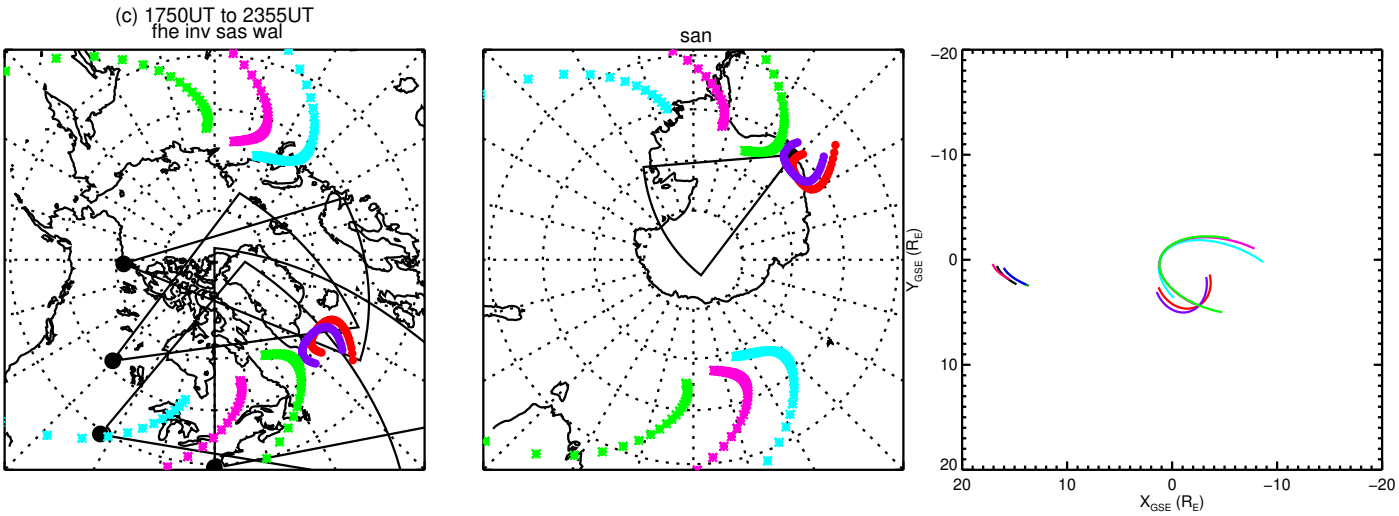
(b) 0855UT to 1530UT
adw hkw rkn



unw zho






(c) 1750UT to 2355UT
fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)