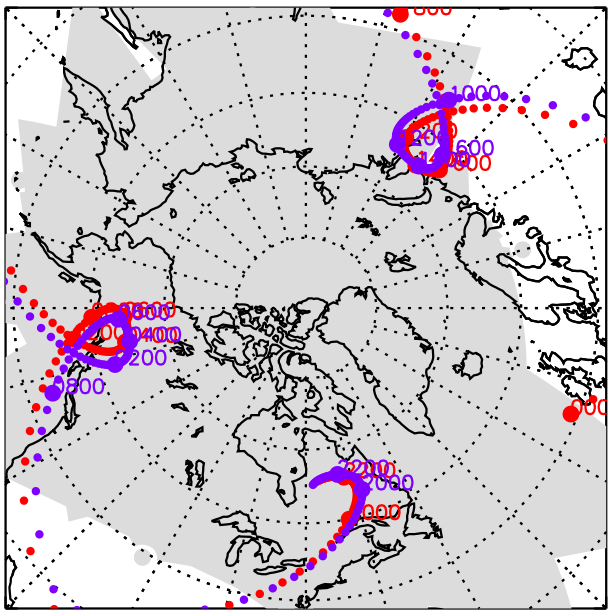
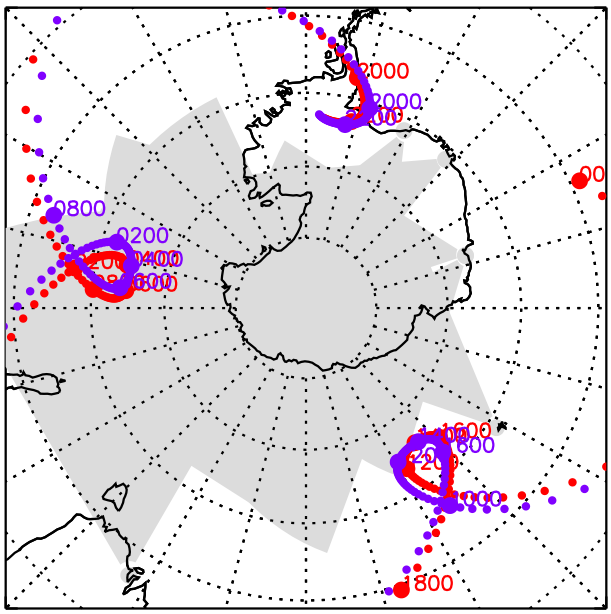
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

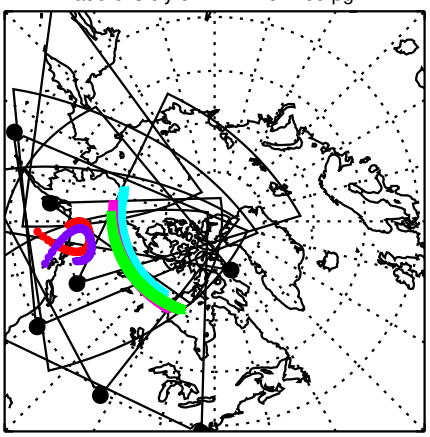
01−Apr−2017

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

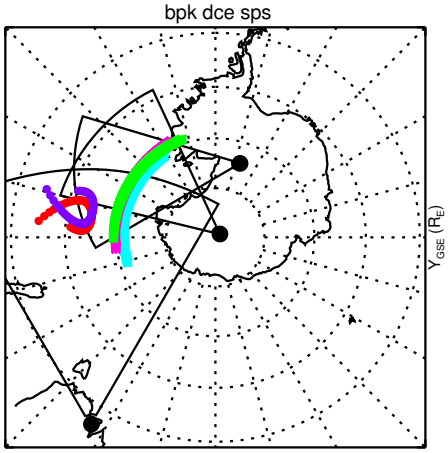


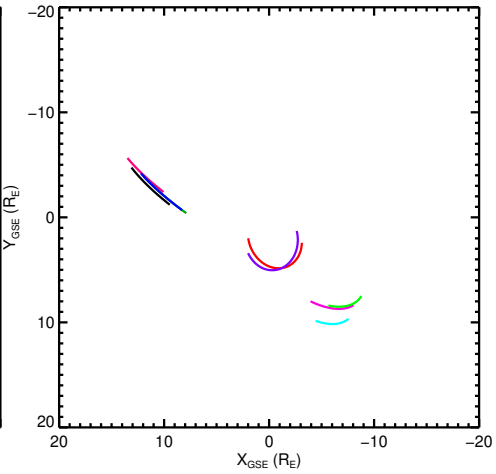


(a) 0145UT to 0750UT
ade bks cly cvw fhw hok kod pgr

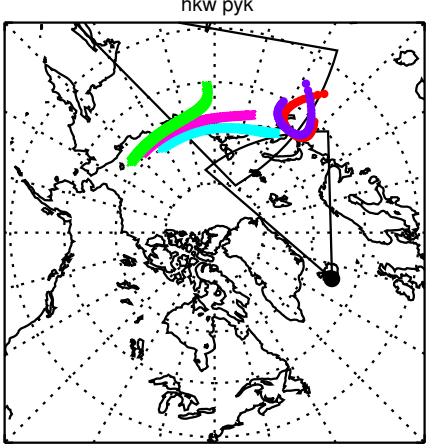


bpk dce sps

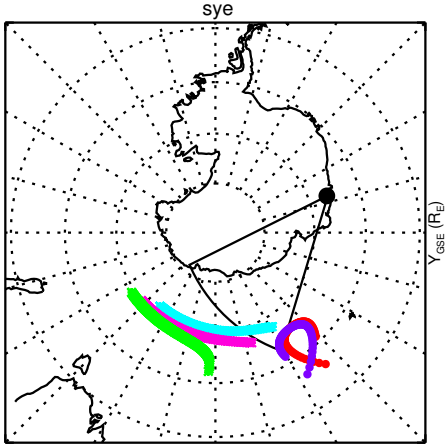


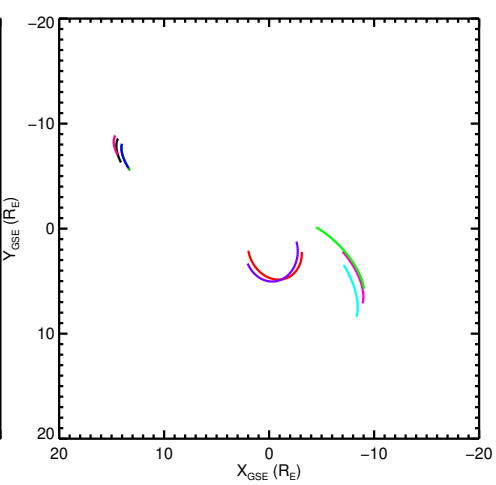


(b) 1045UT to 1655UT
hkw pyk

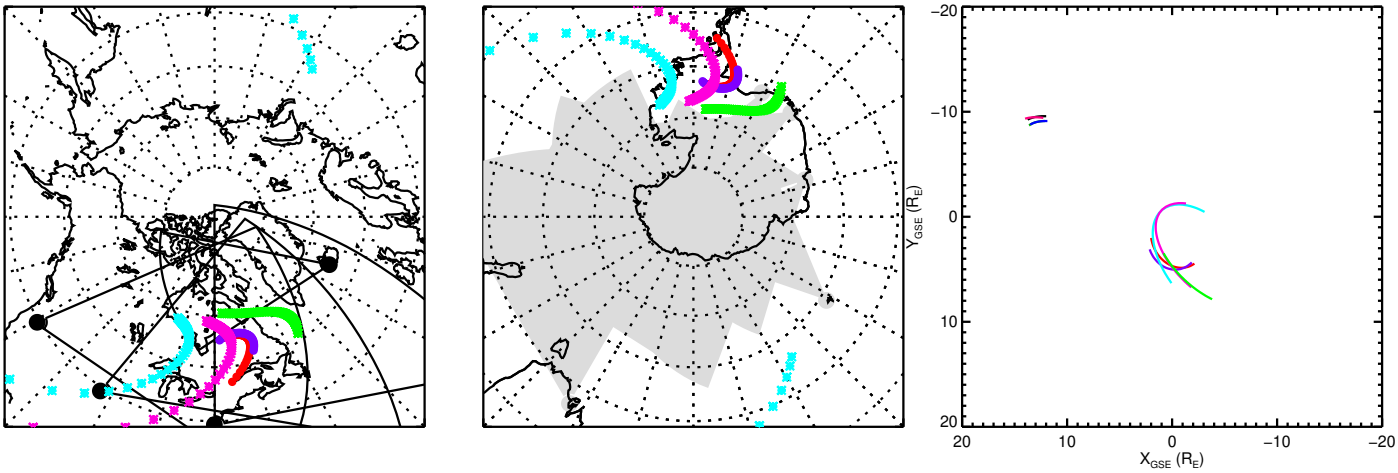


sye





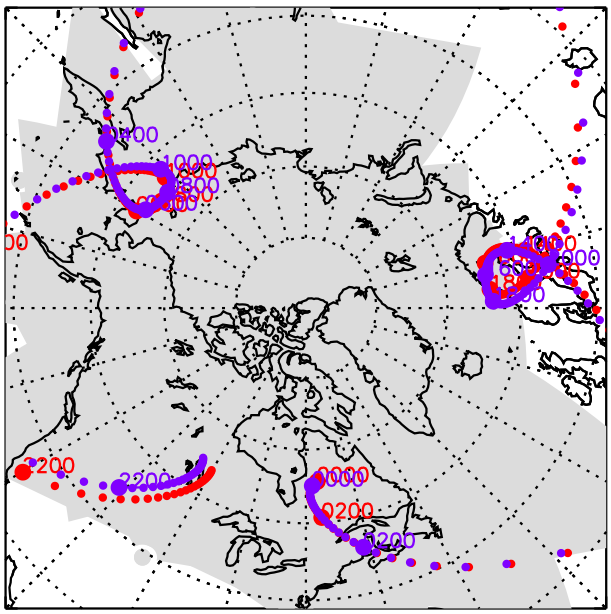
(c) 1940UT to 2355UT
cve fhe sto wal

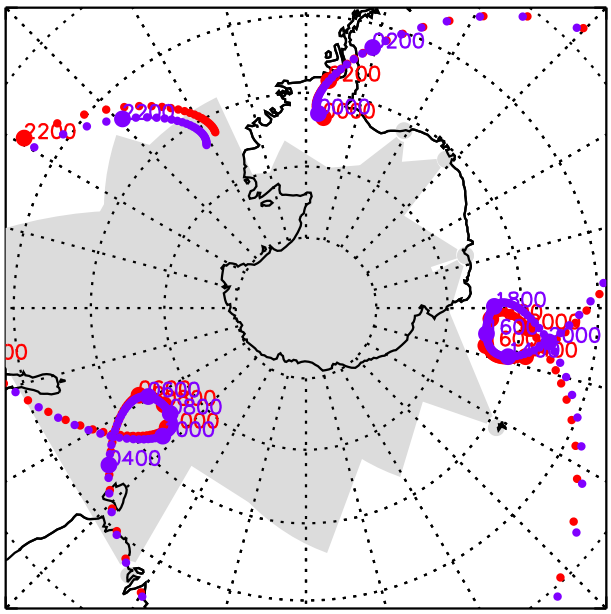


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

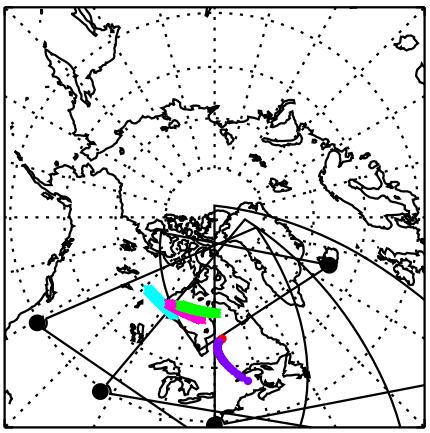
02–Apr–2017

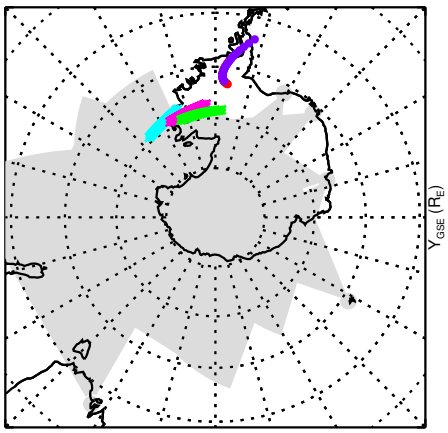
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

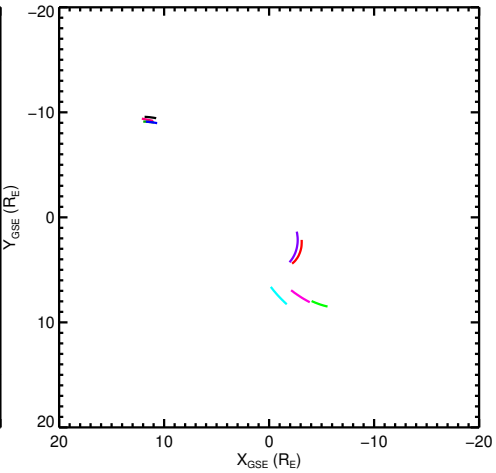




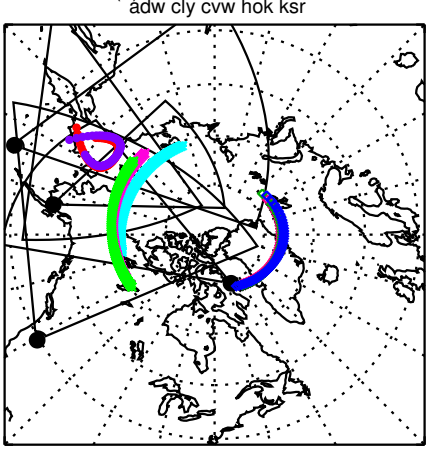
(a) 0000UT to 0155UT
cve fhe sto wal



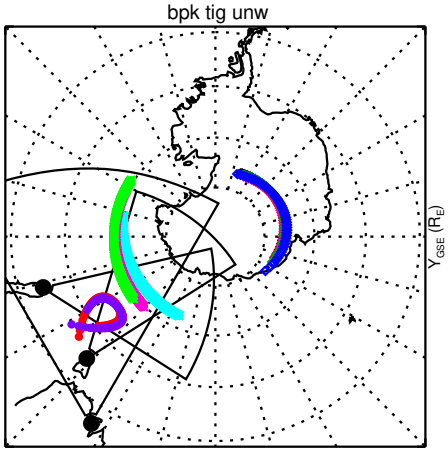


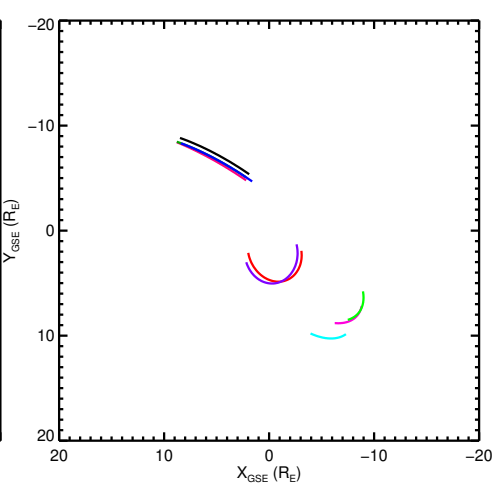


(b) 0440UT to 1100UT
adw cly cvw hok ksr

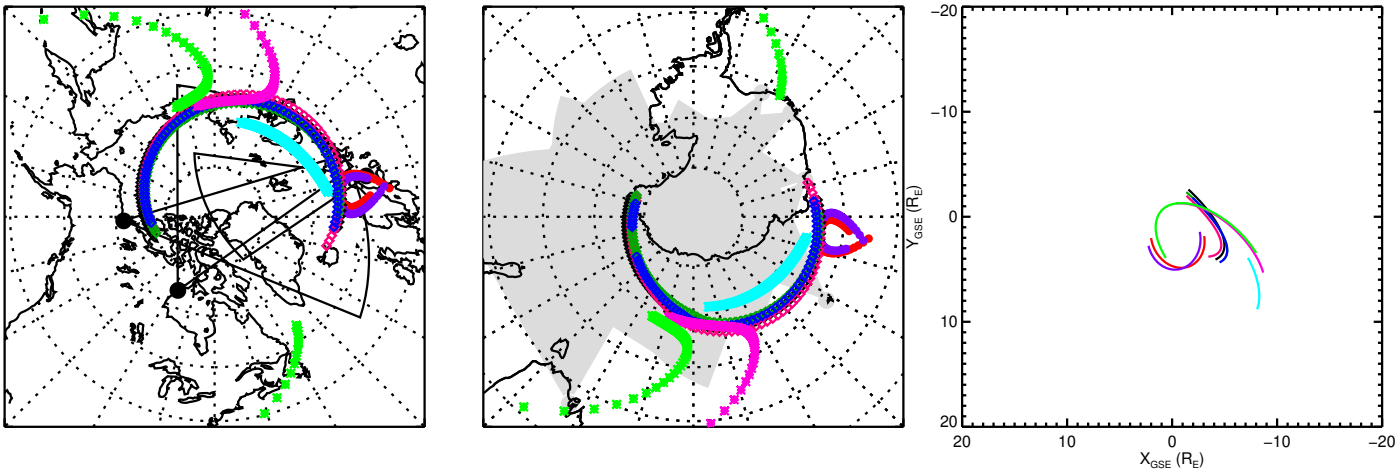


bpk tig unw



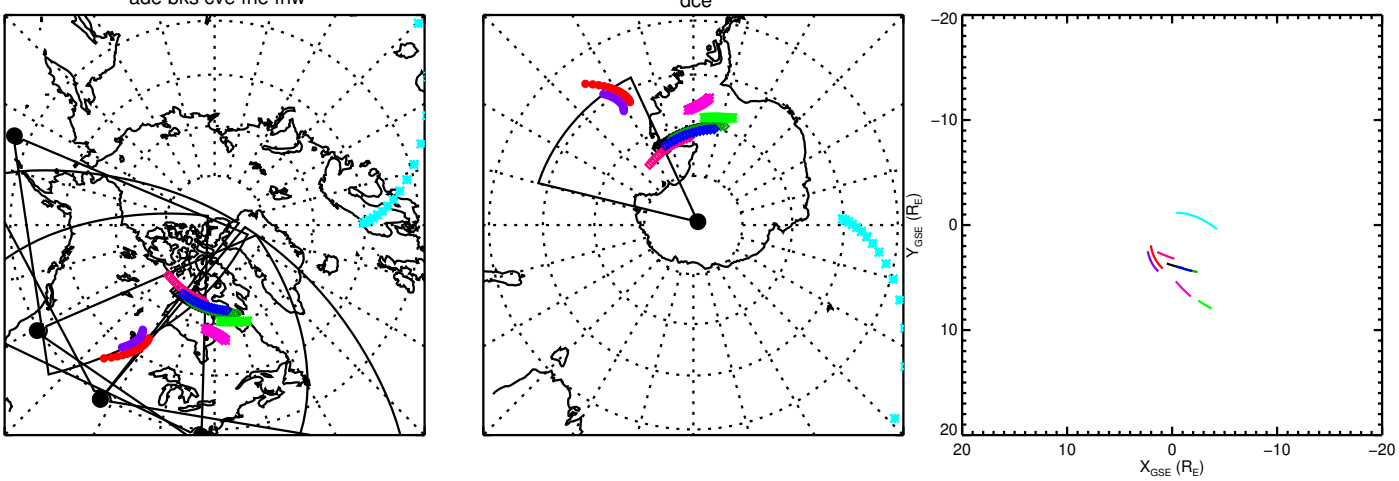


(c) 1335UT to 2000UT
han inv rkn



(d) 2230UT to 2355UT
ade bks cve fhe fhw

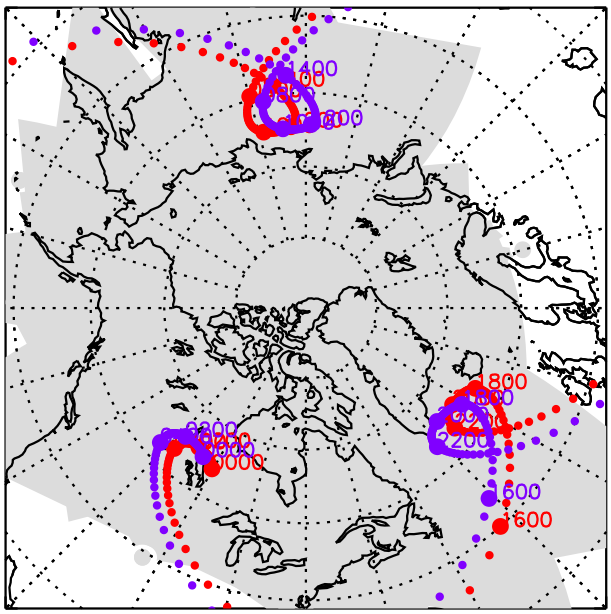
dce

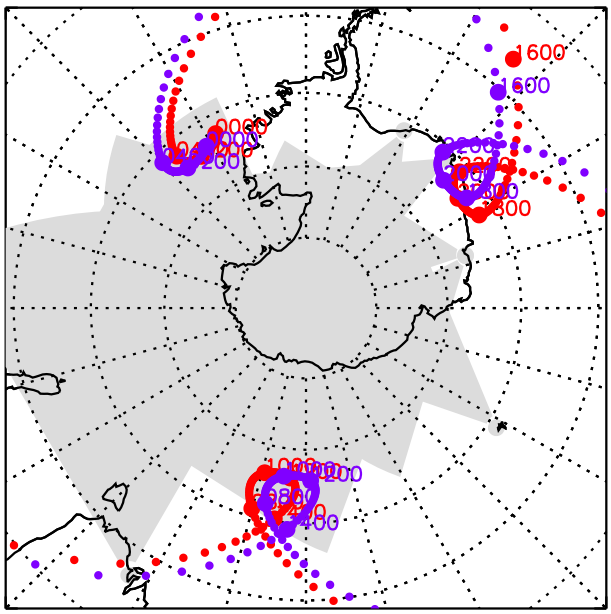


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

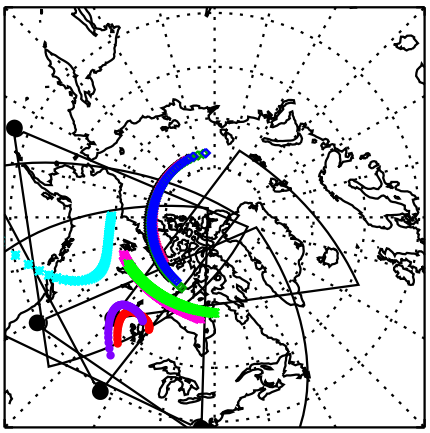
03–Apr–2017

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

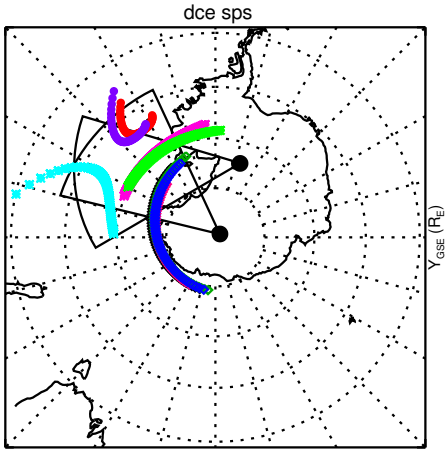


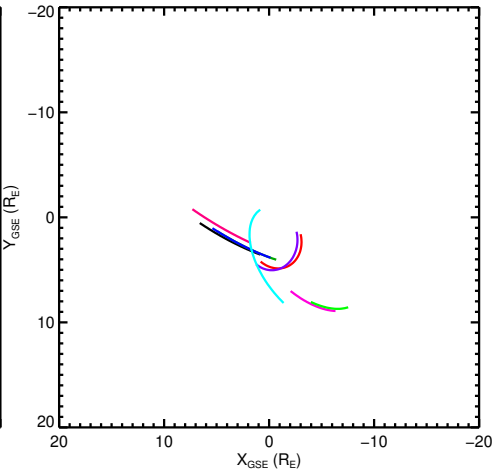


(a) 0000UT to 0505UT
ade bks cve fhw sas

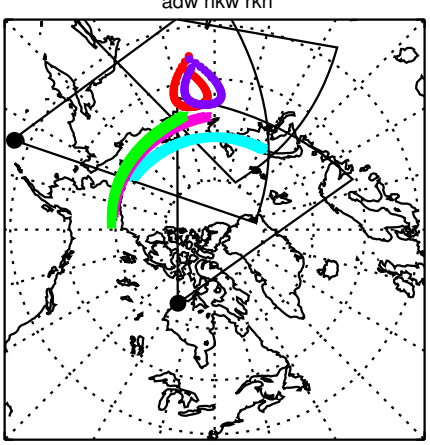


dce sps

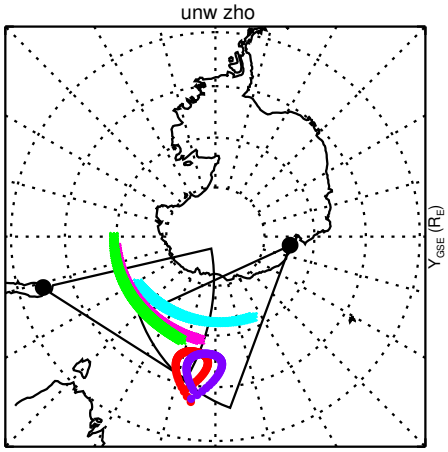


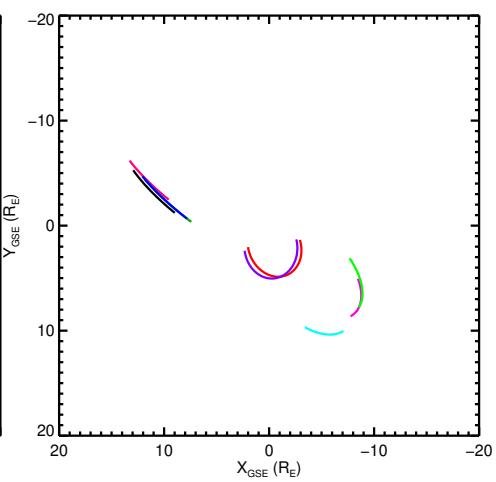


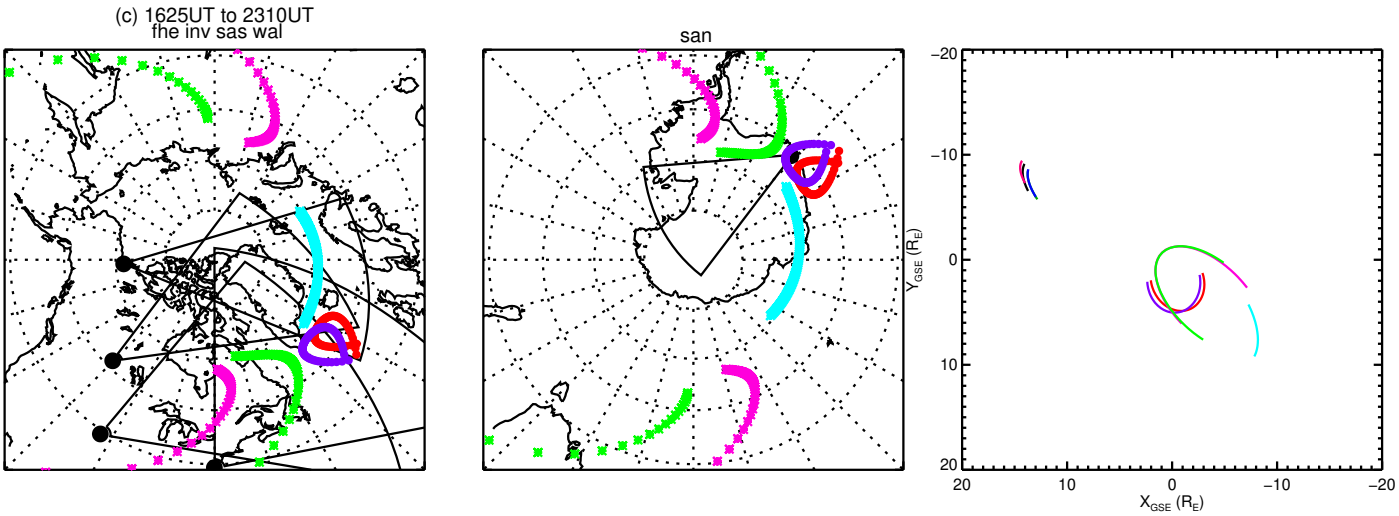
(b) 0730UT to 1410UT
adw hkw rkn



unw zho



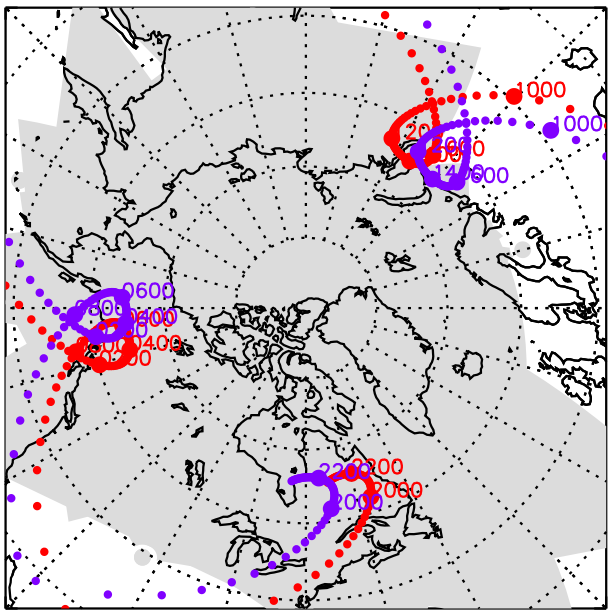


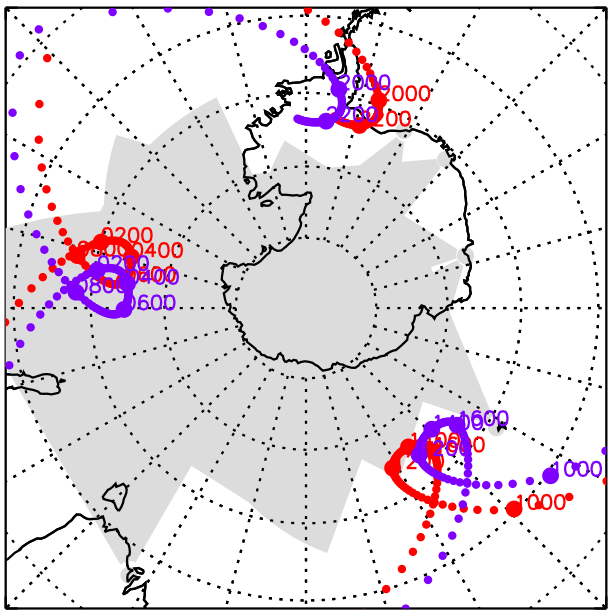

(c) 1625UT to 2310UT
fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

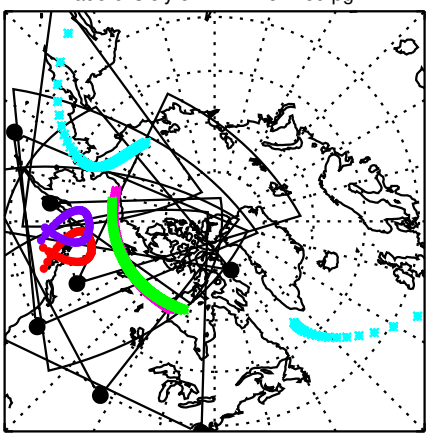
04–Apr–2017

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

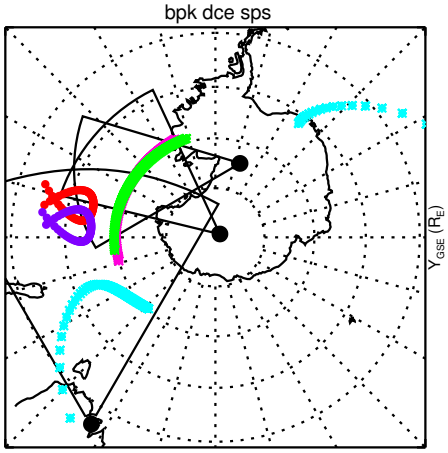


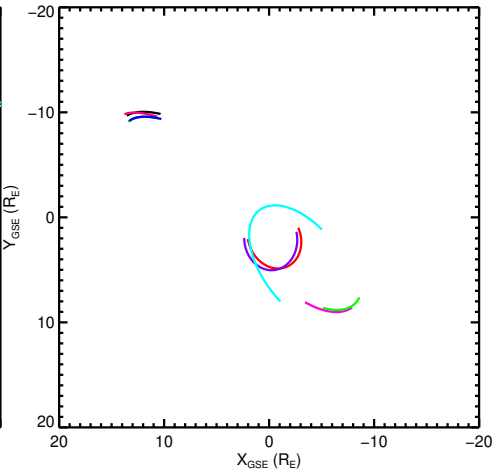


(a) 0125UT to 0815UT
ade bks cly cvw fhw hok kod pgr

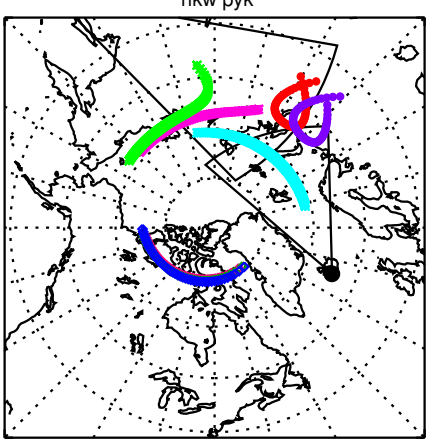


bpk dce sps

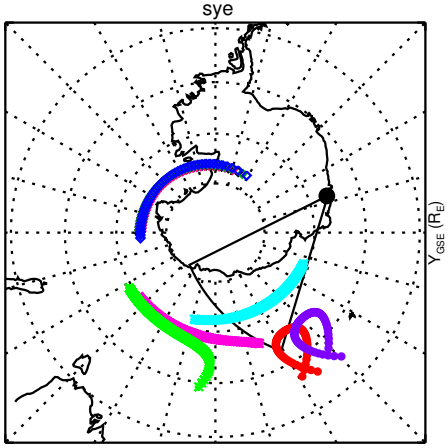


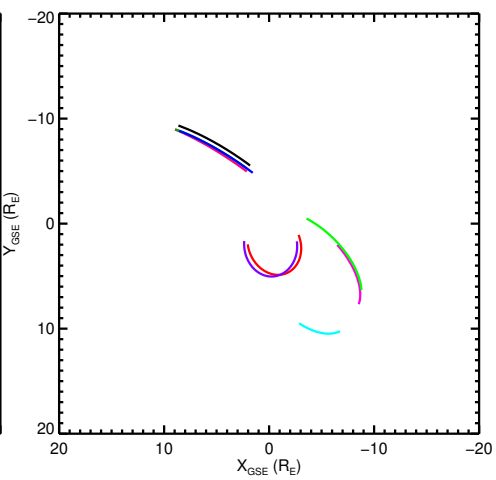


(b) 1020UT to 1710UT
hkw pyk

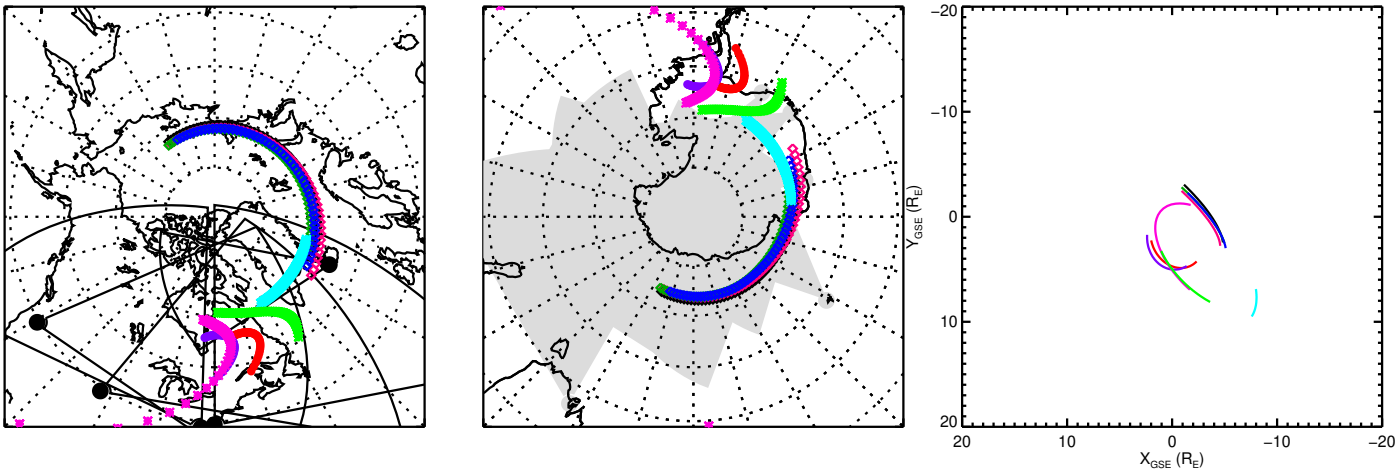


sye





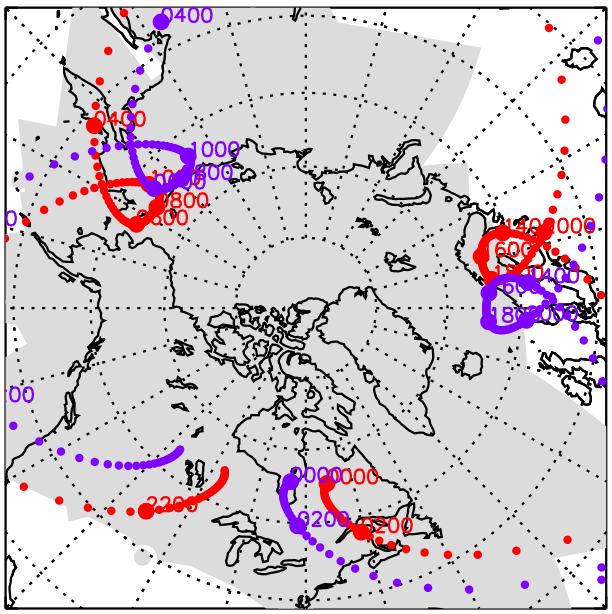
(c) 1925UT to 2355UT
bks cve fhe sto wal

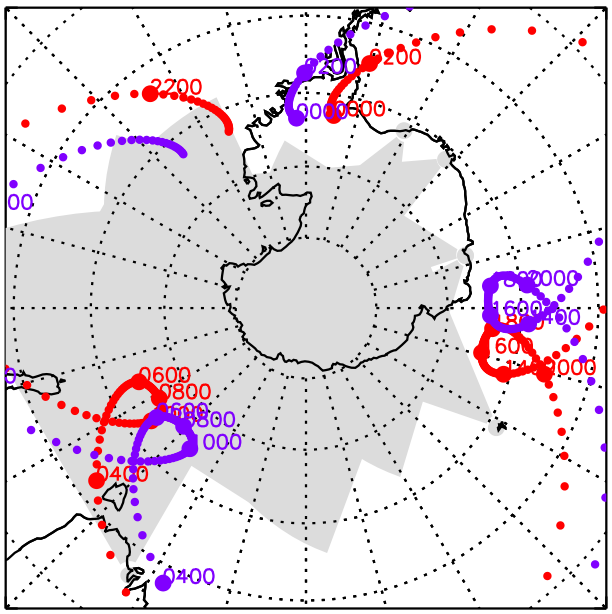


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

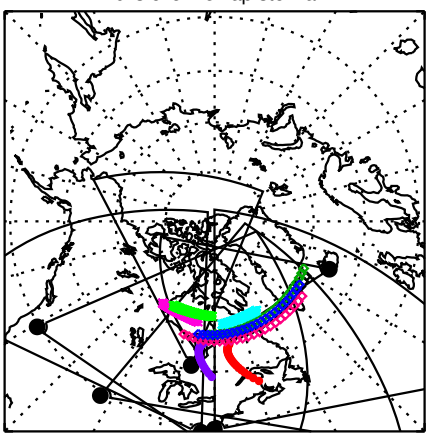
05–Apr–2017

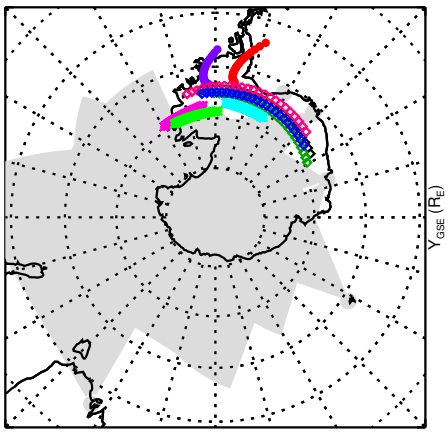
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

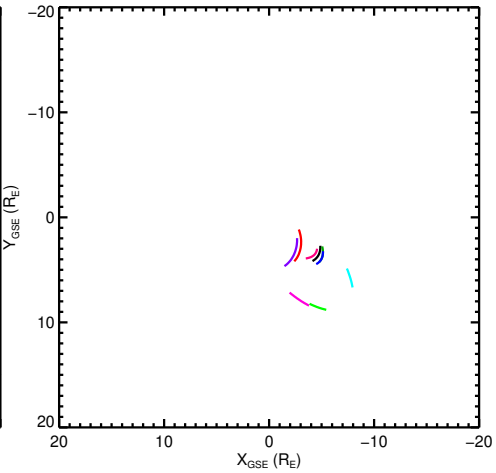




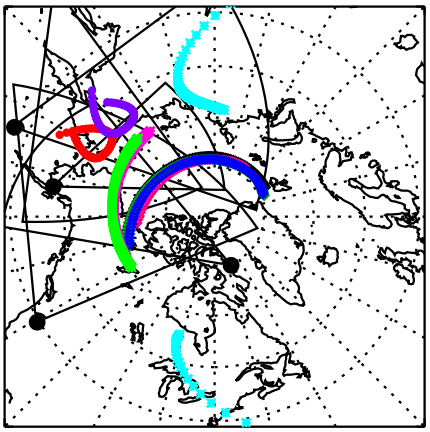
(a) 0000UT to 0205UT
bks cve fhe kap sto wal



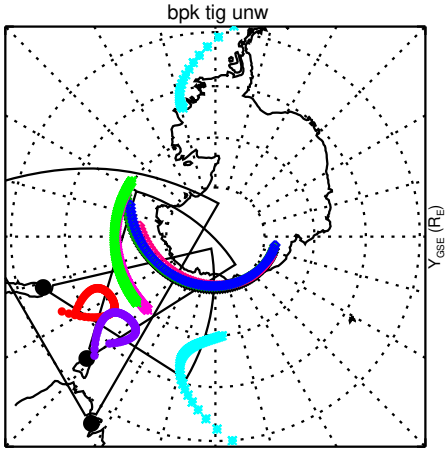


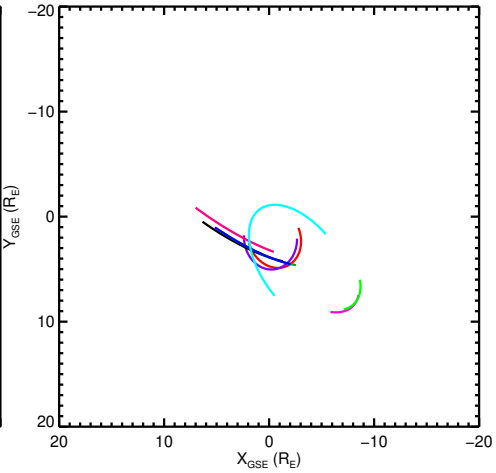


(b) 0430UT to 1105UT
adw cly cvw hok ksr

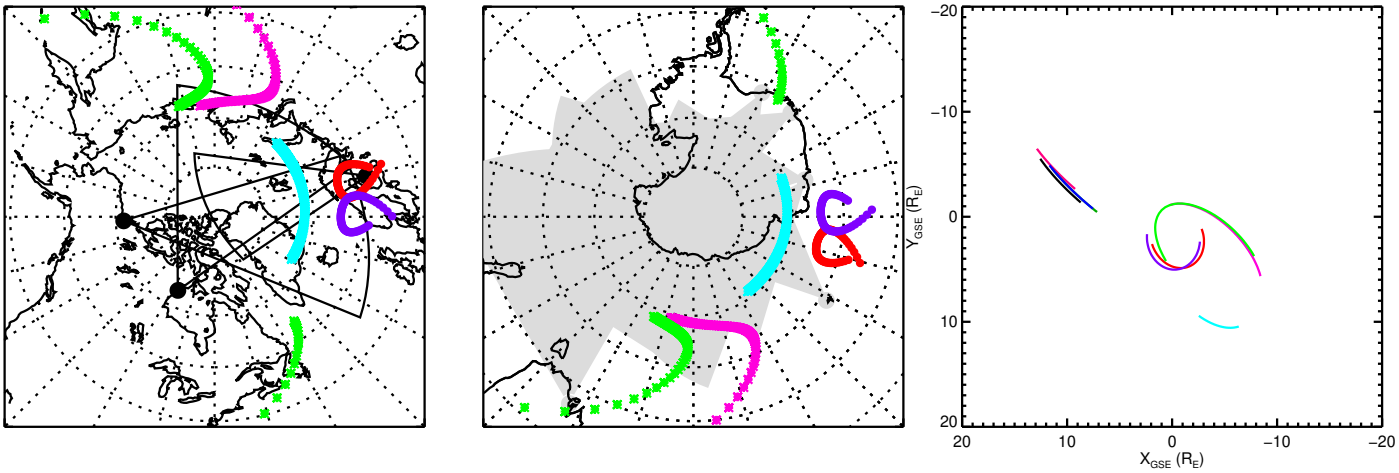


bpk tig unw



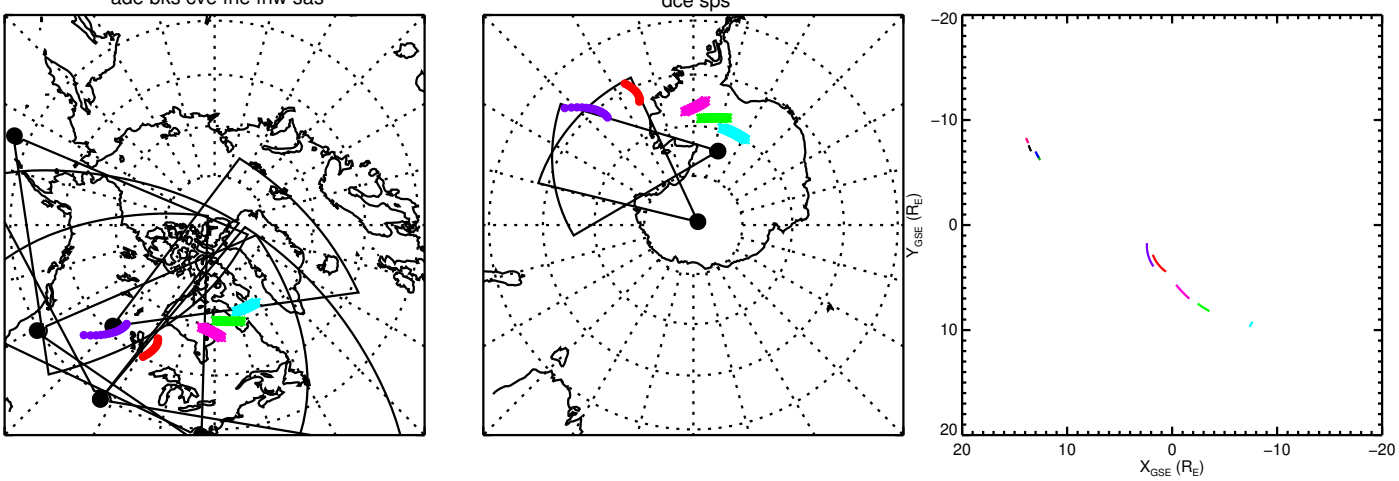


(c) 1330UT to 2000UT
han inv rkn



(d) 2235UT to 2355UT
ade bks cve fhe fhw sas

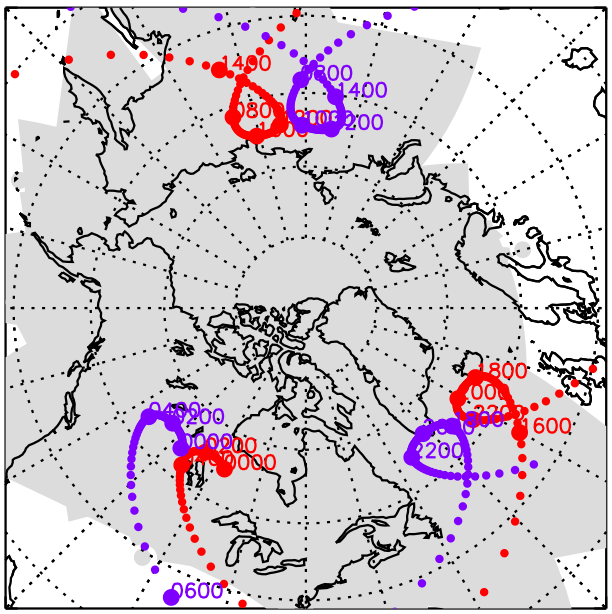
dce sps

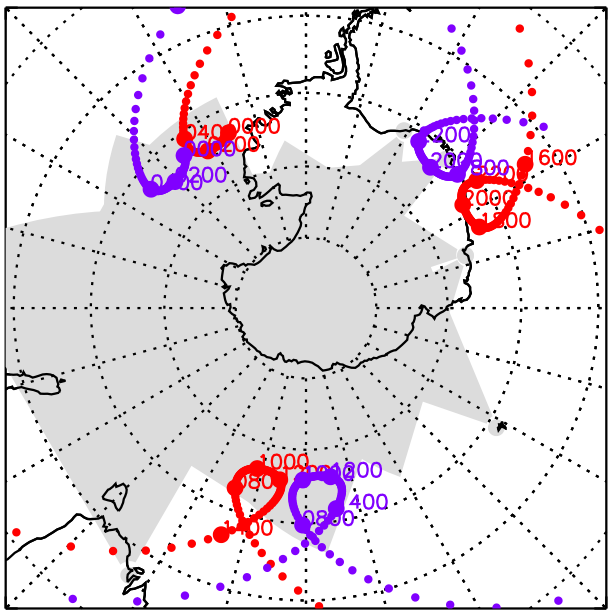


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

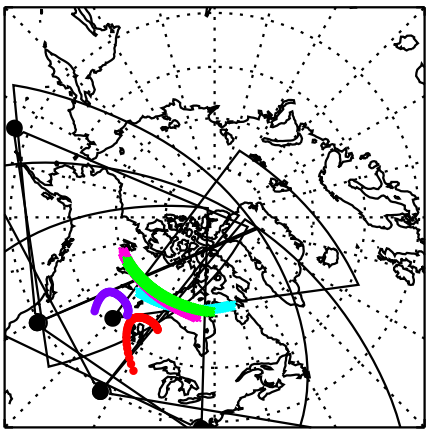
06–Apr–2017

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

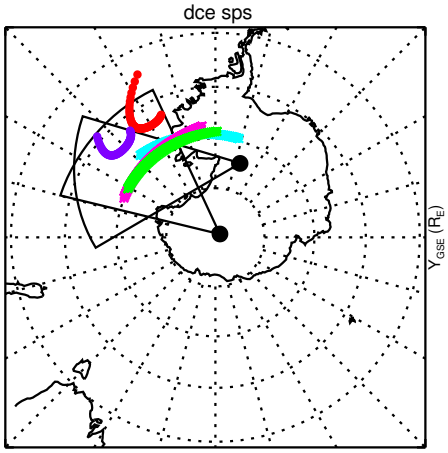


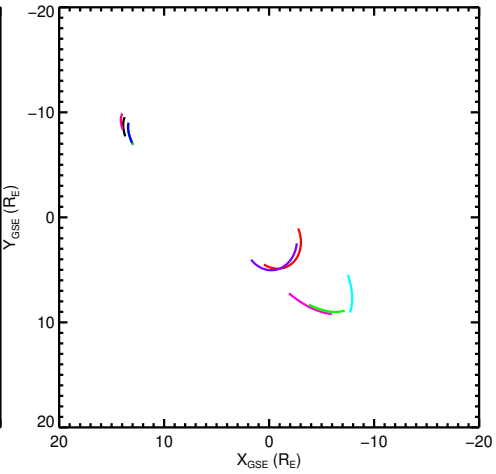


(a) 0000UT to 0500UT
ade bks cve cvw fhe fhw sas

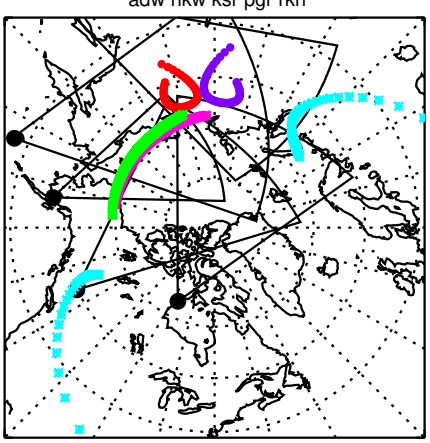


dce sps

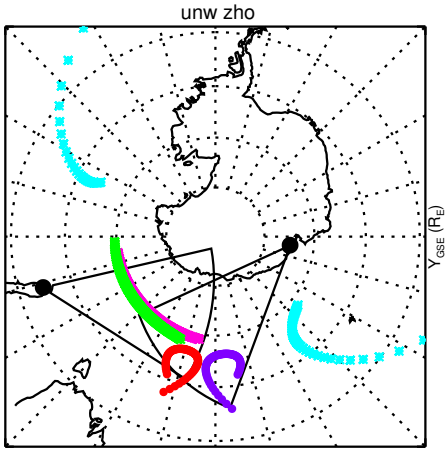


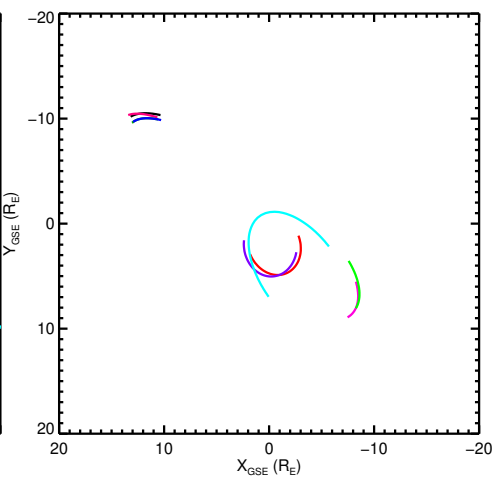


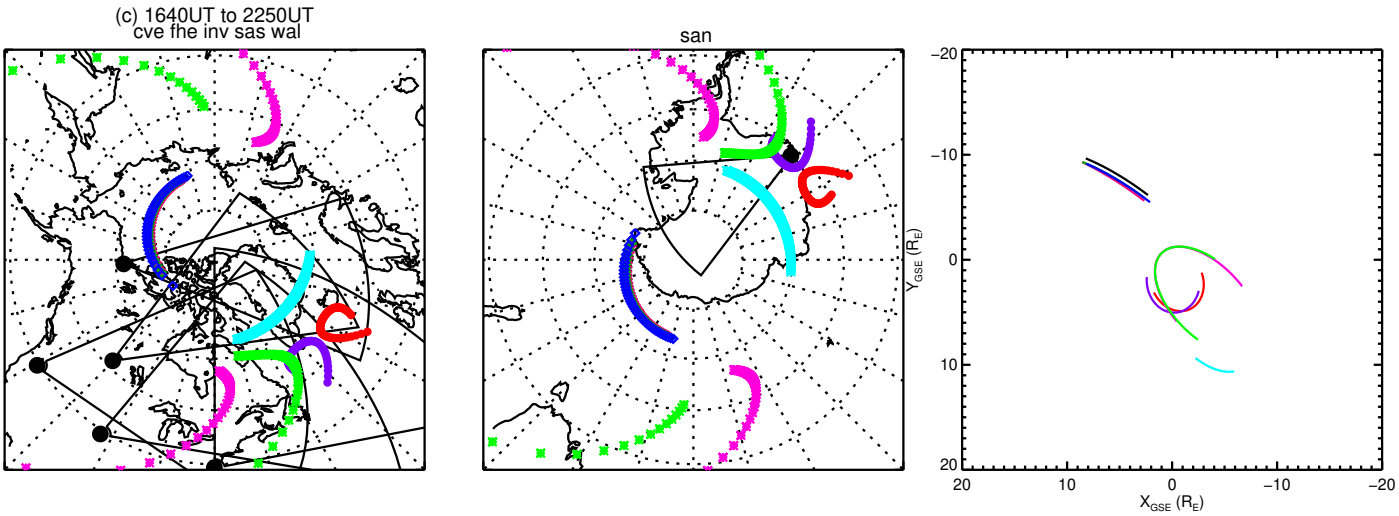
(b) 0735UT to 1355UT
adw hkw ksr pgr rkn



unw zho



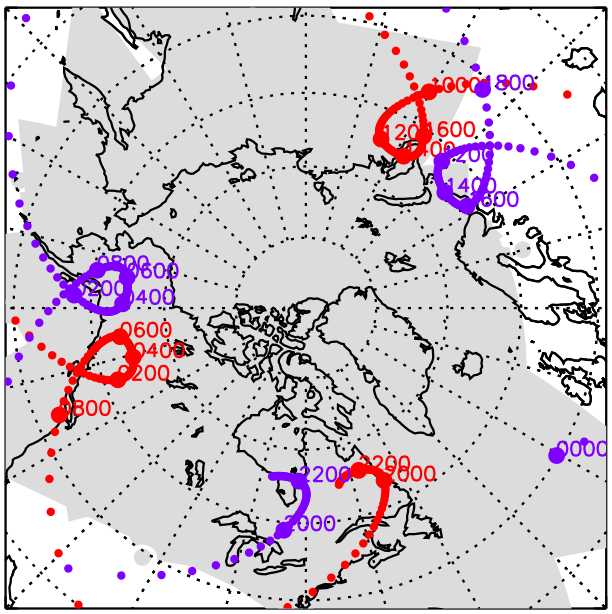


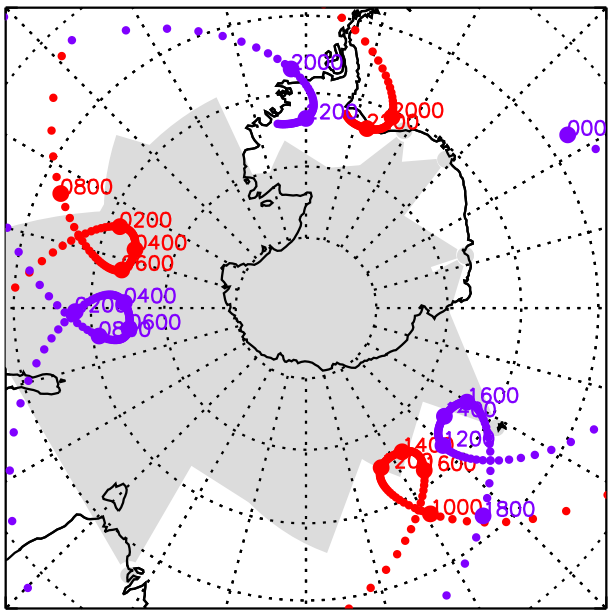

(c) 1640UT to 2250UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

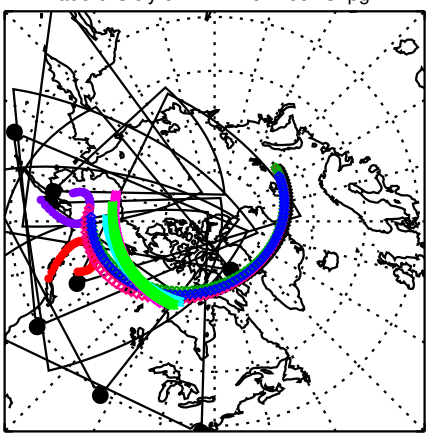
07–Apr–2017

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

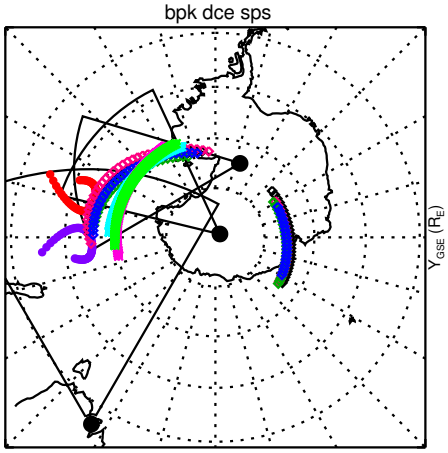


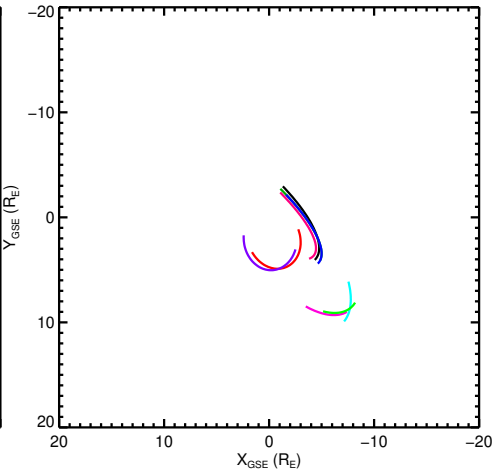


(a) 0145UT to 0750UT
ade bks cly cvw fhw hok kod ksr pgr

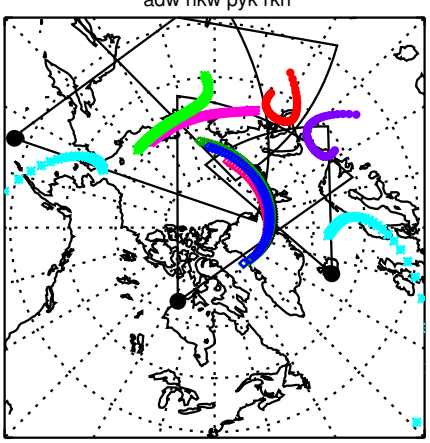


bpk dce sps

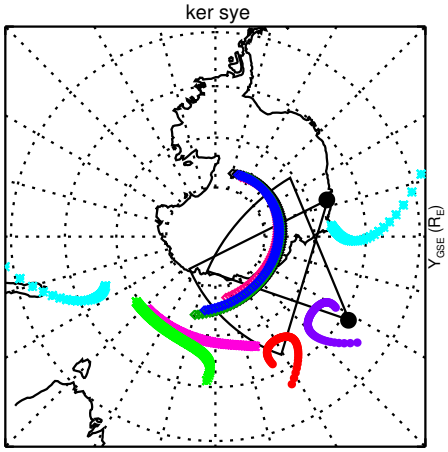


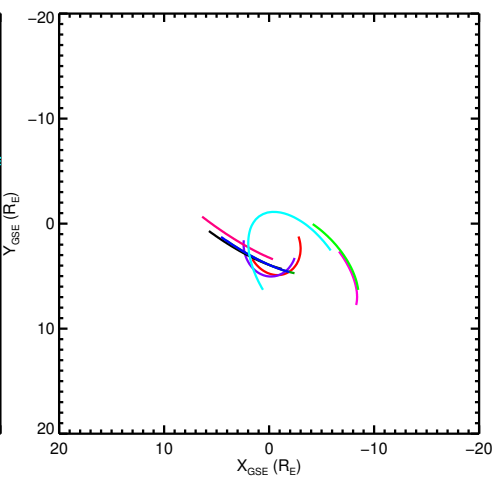


(b) 1045UT to 1645UT
adw hkw pyk rkn

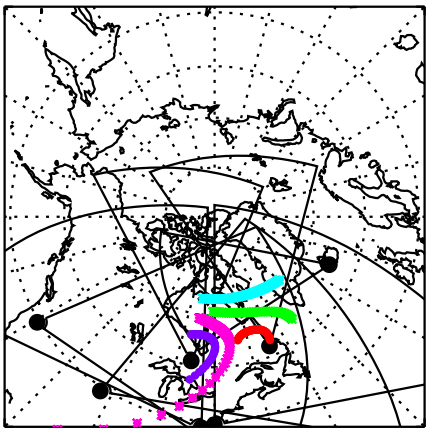


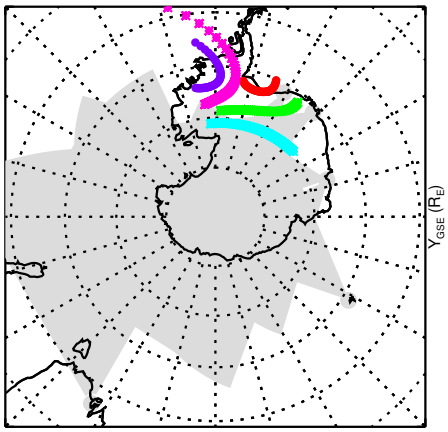
ker sye

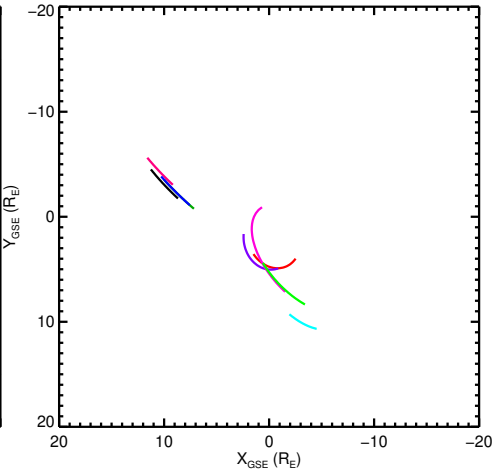




(c) 1950UT to 2355UT
bks cve fhe gbr kap sto wal



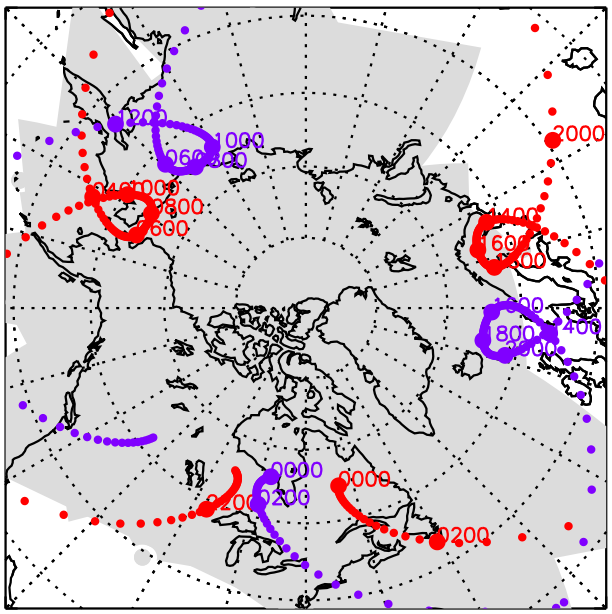


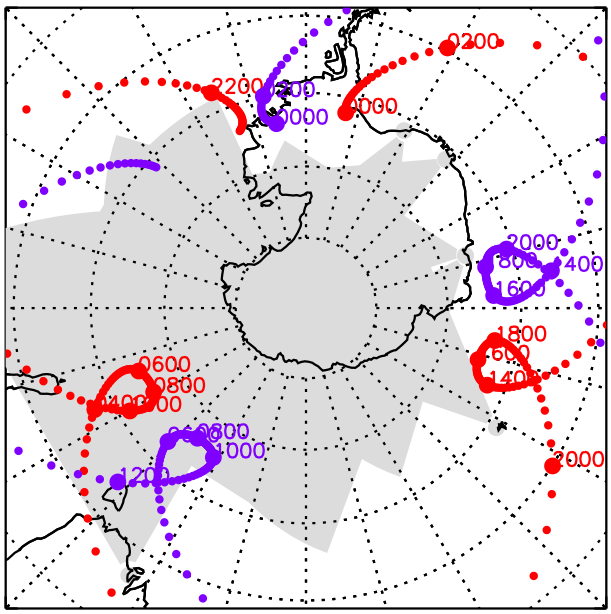


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

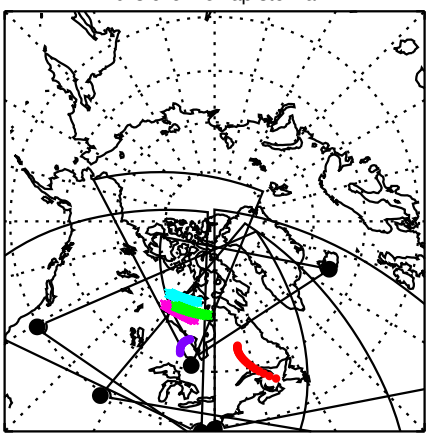
08–Apr–2017

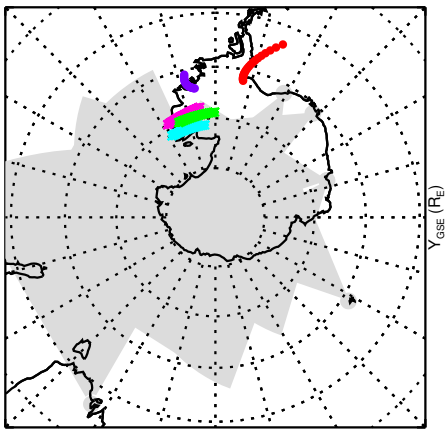
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

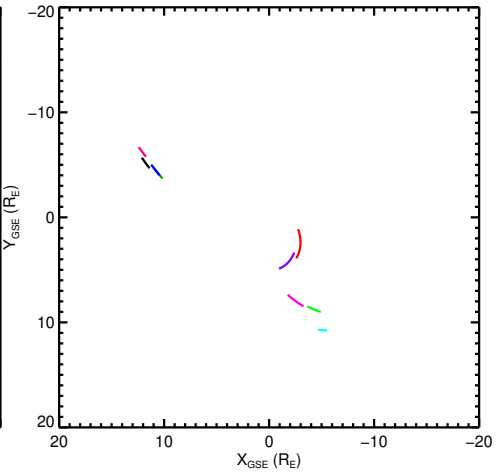




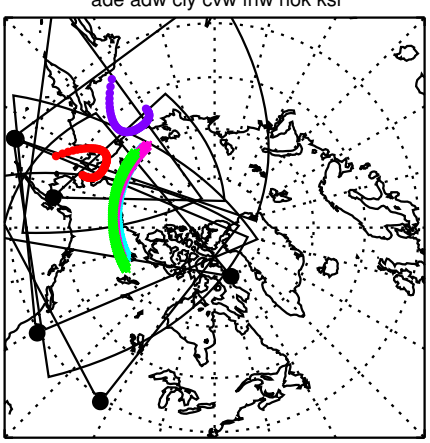
(a) 0000UT to 0145UT
bks cve fhe kap sto wal



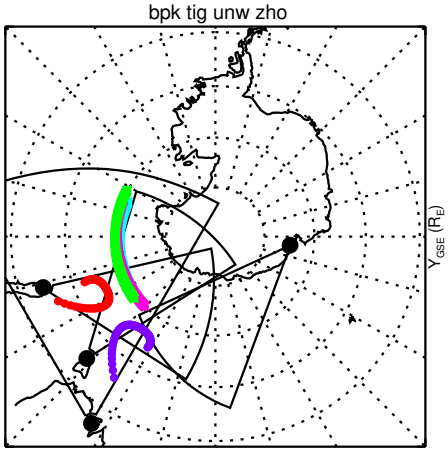


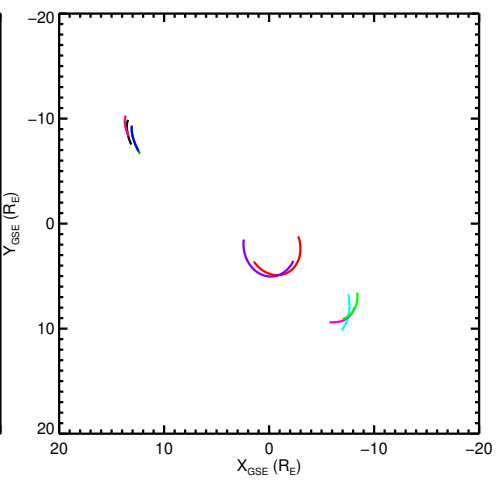


(b) 0450UT to 1040UT
ade adw cly cvw fhw hok ksr

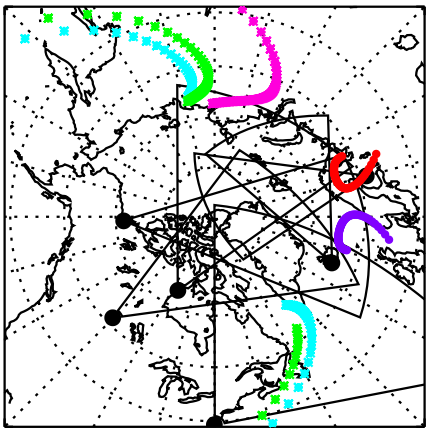


bpk tig unw zho

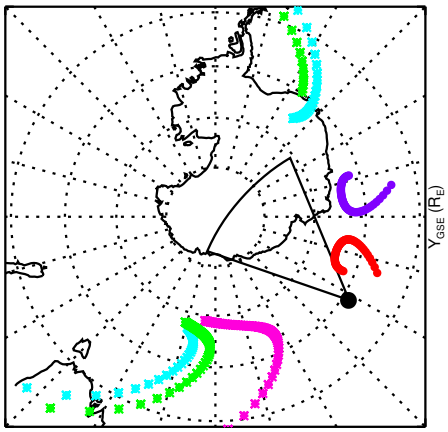


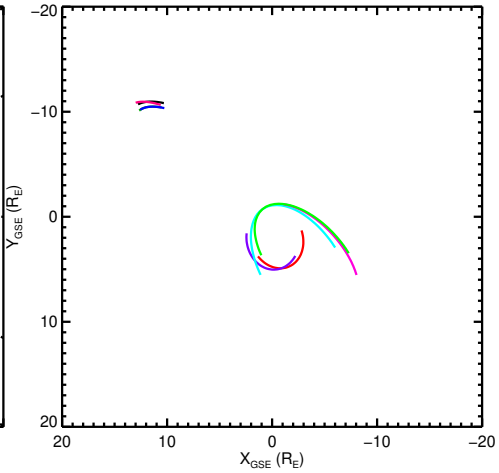


(c) 1355UT to 1935UT
han inv pyk rkn sas wal

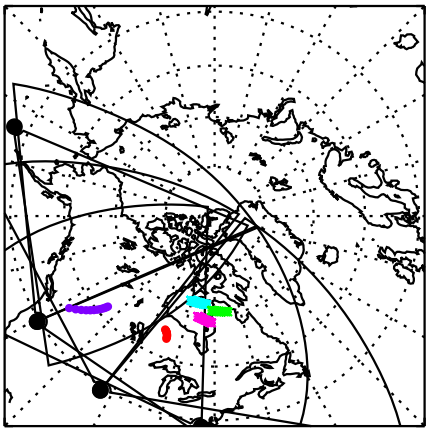


ker

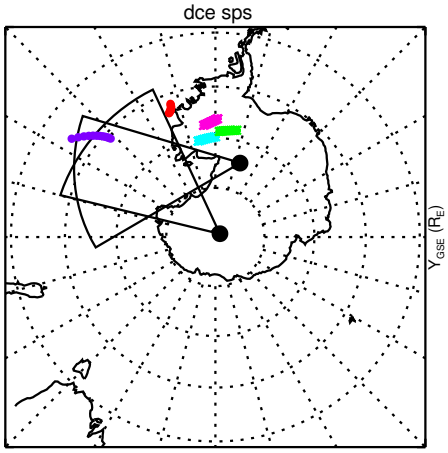


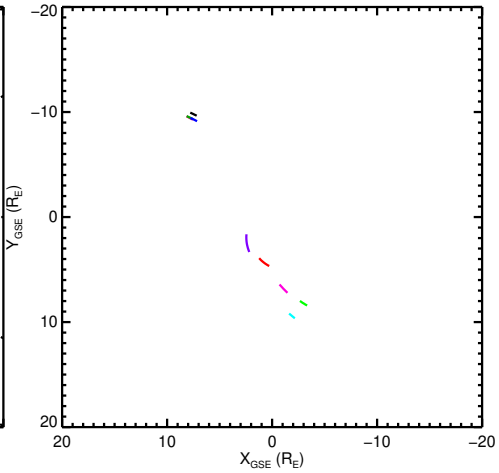


(d) 2300UT to 2355UT
ade bks cve cvw fhe fhw



dce sps

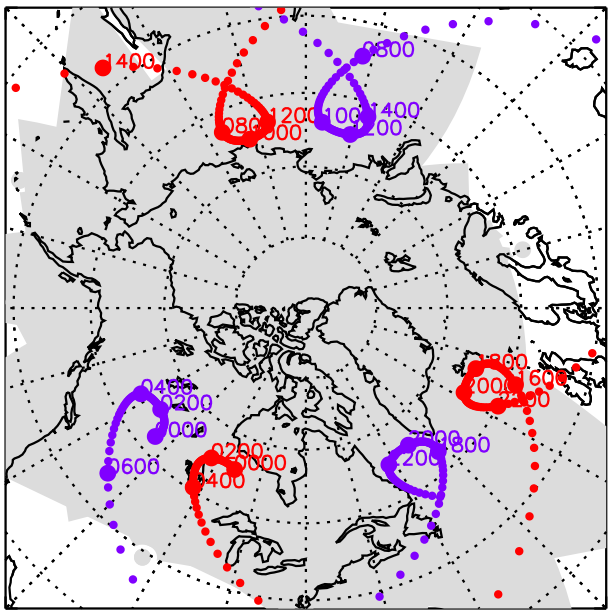


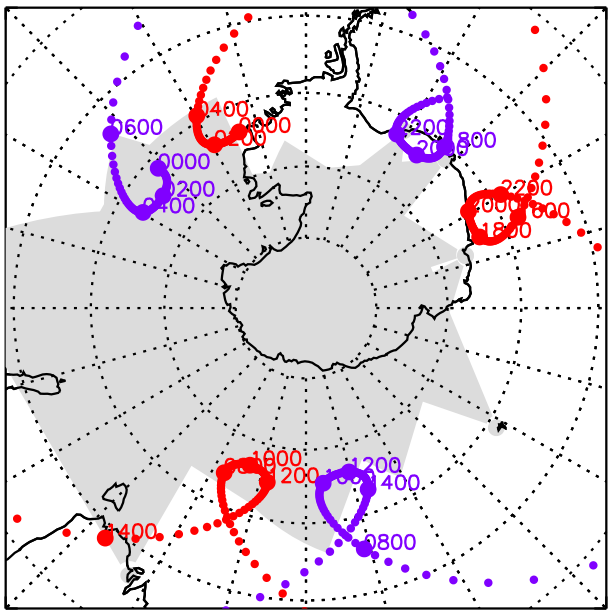


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

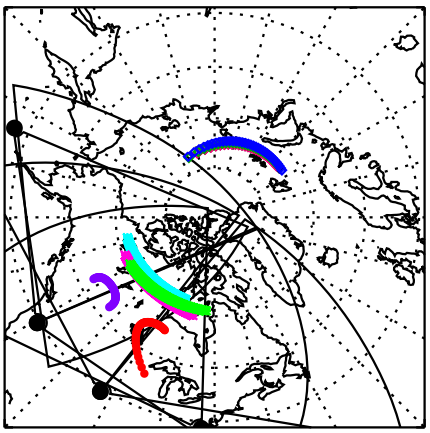
09–Apr–2017

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

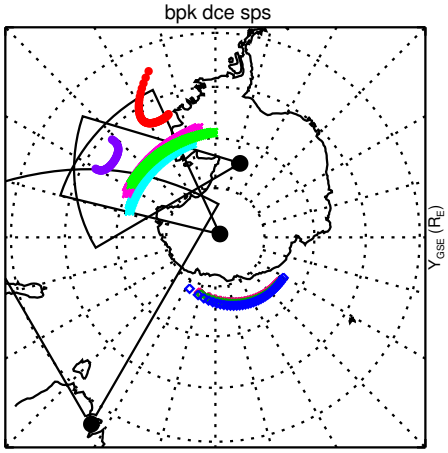


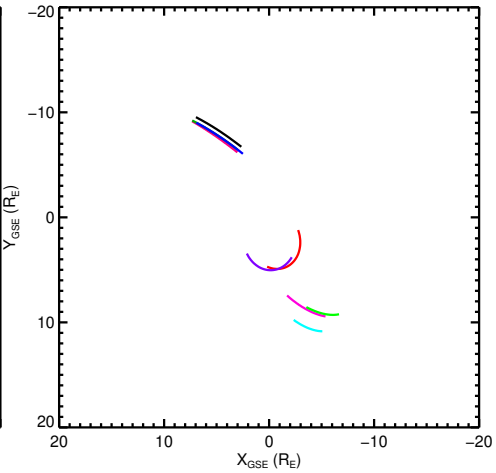


(a) 0000UT to 0435UT
ade bks cve cvw fhe fhw

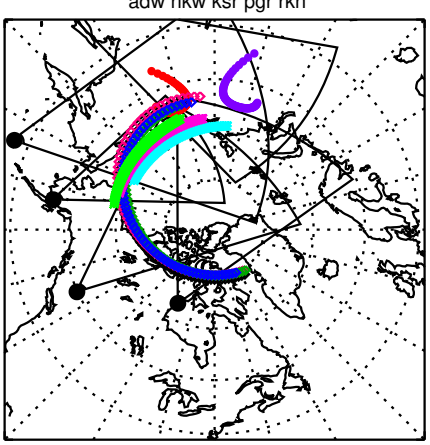


bpk dce sps

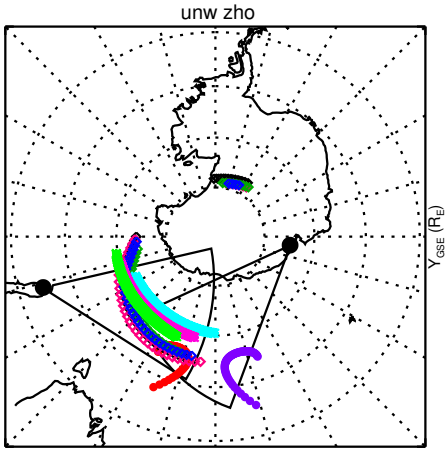


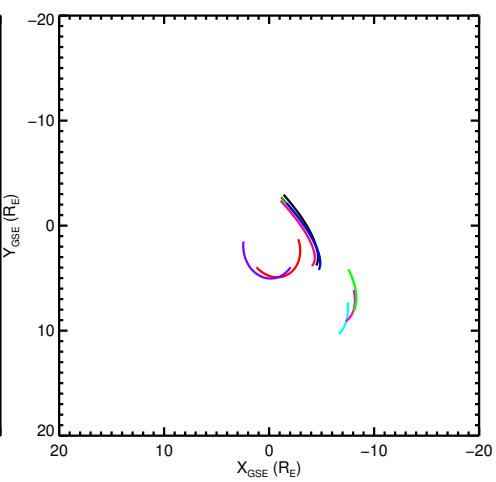


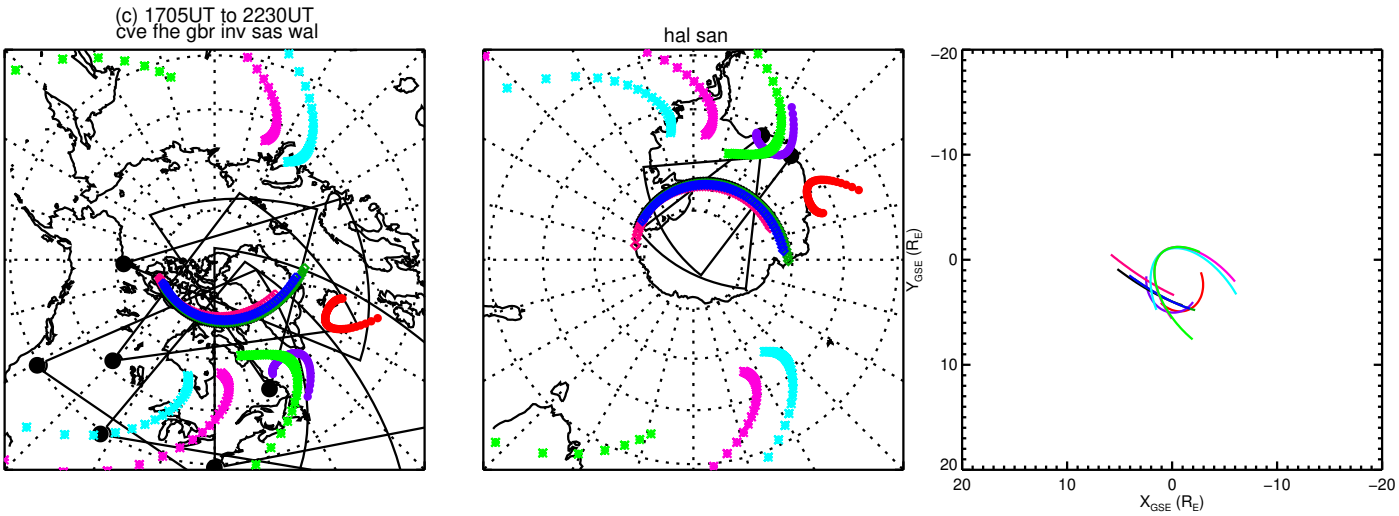
(b) 0800UT to 1330UT
adw hkw ksr pgr rkn



unw zho



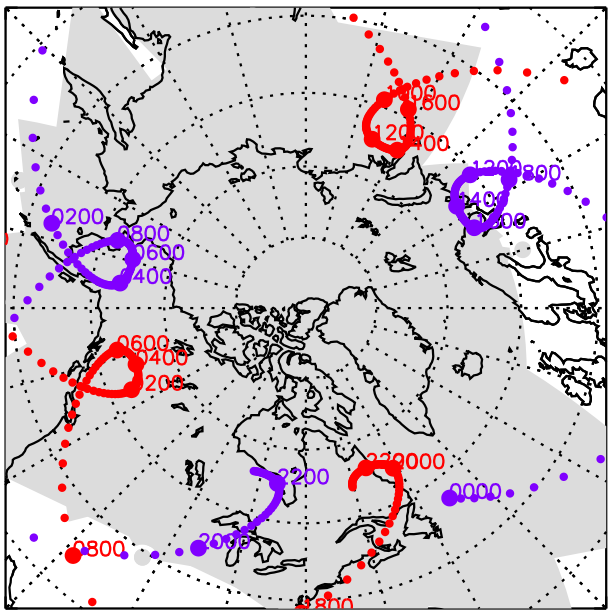


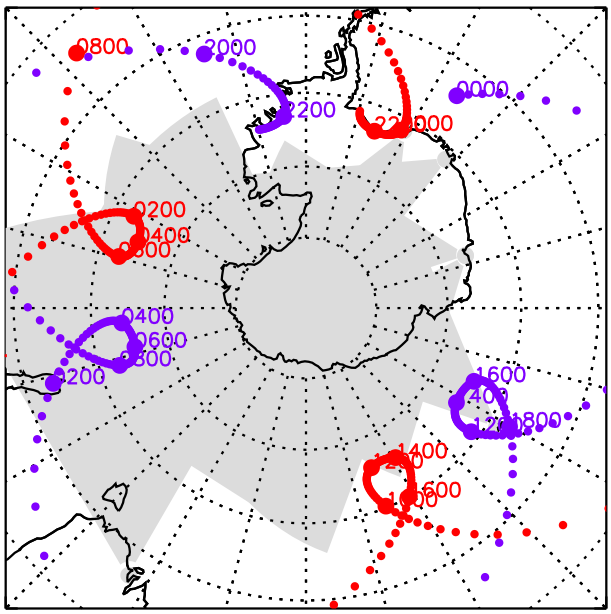

(c) 1705UT to 2230UT
cve fhe gbr inv sas wal
hal san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

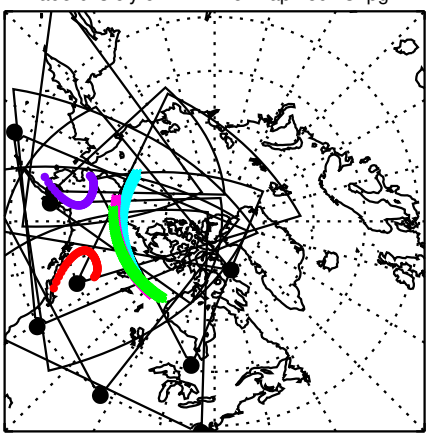
10–Apr–2017

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

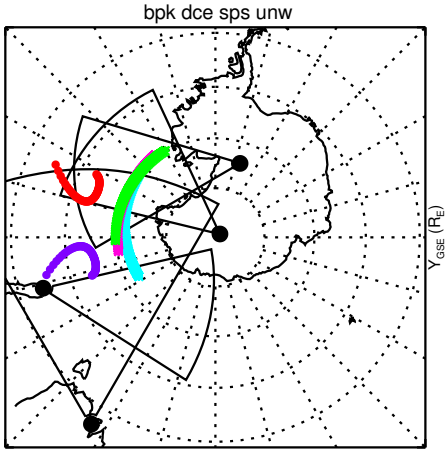


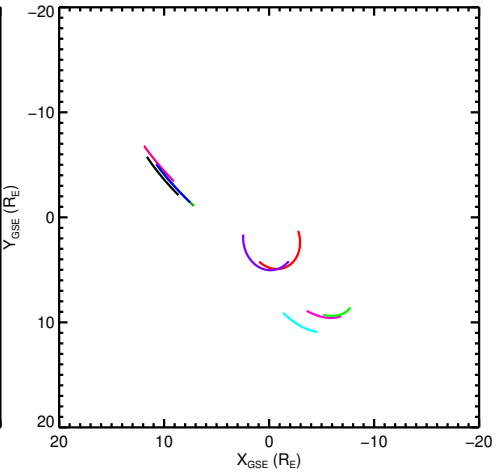


(a) 0210UT to 0725UT
ade bks cly cvw fhw hok kap kod ksr pgr

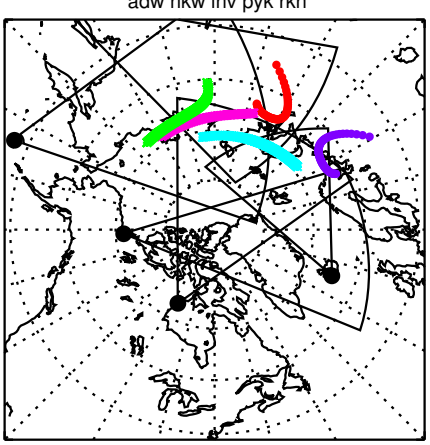


bpk dce sps unw

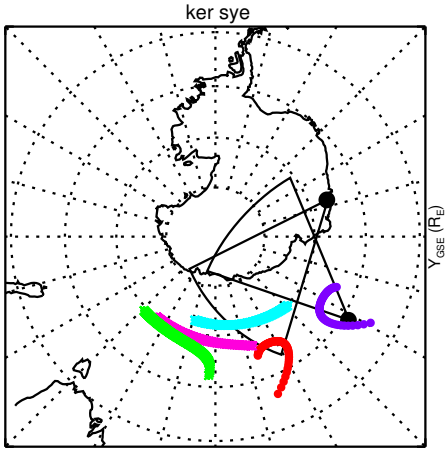


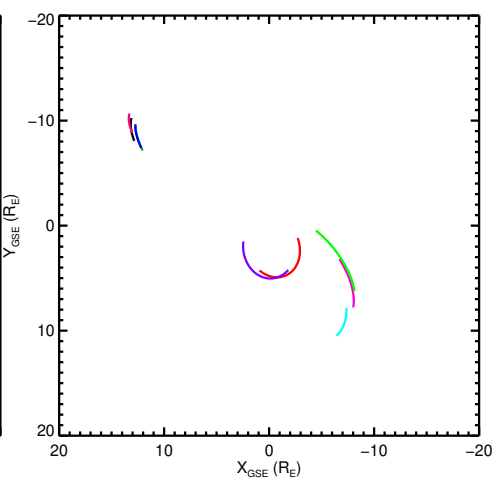


(b) 1110UT to 1625UT
adw hkw inv pyk rkn

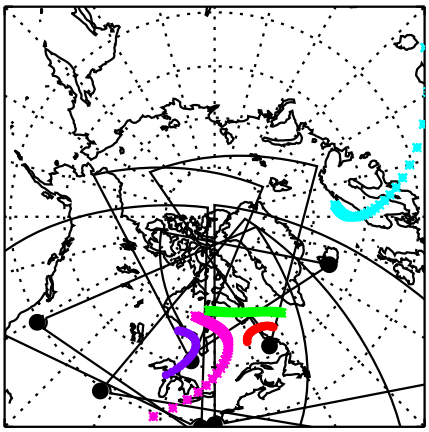


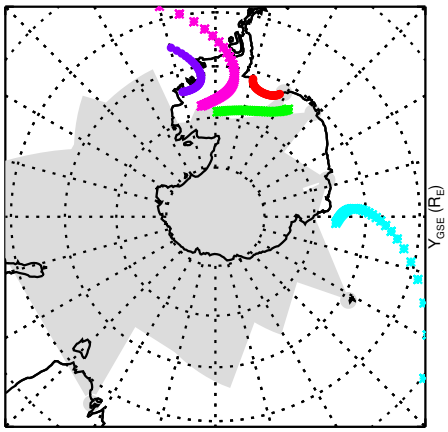
ker sye

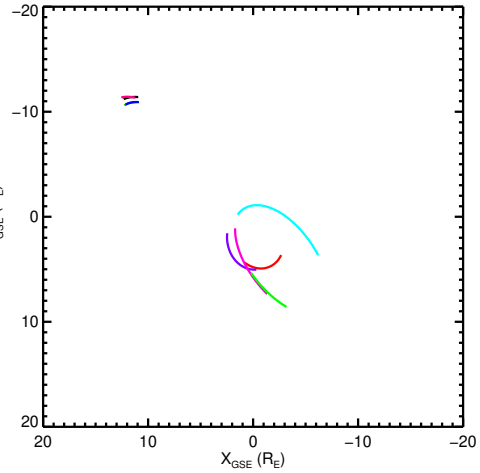




(c) 2015UT to 2355UT
bks cve fhe gbr kap sto wal



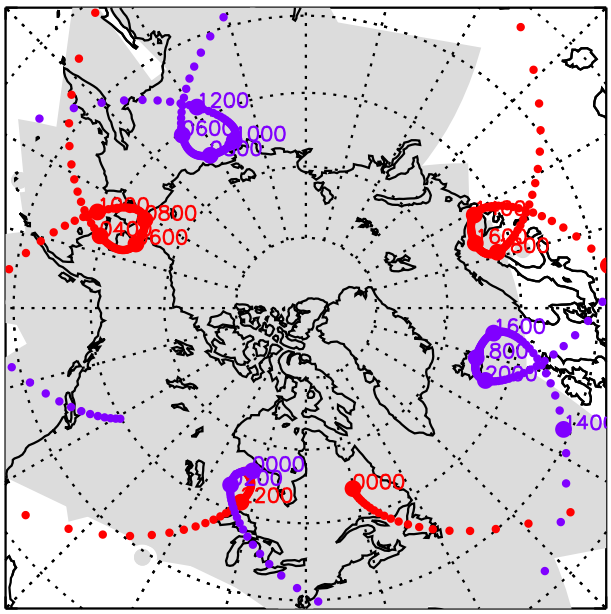


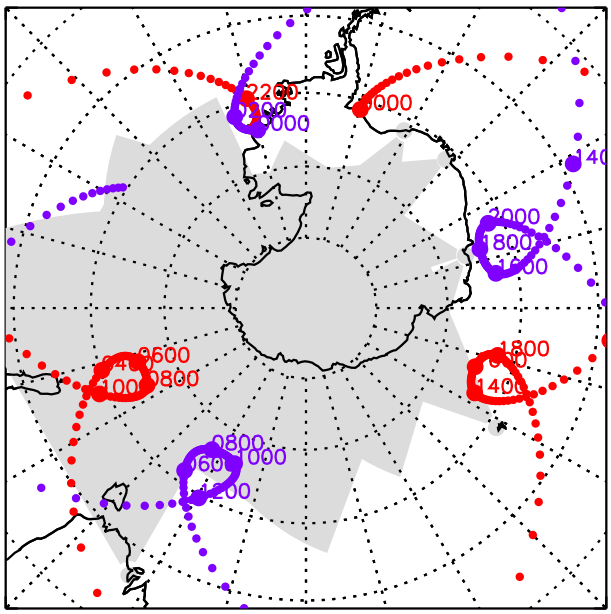


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

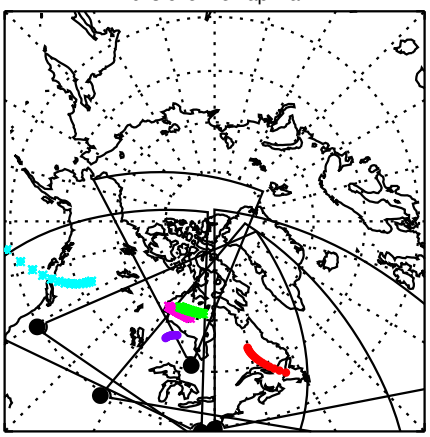
11–Apr–2017

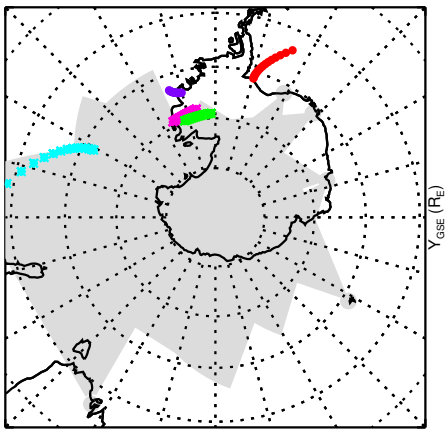
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

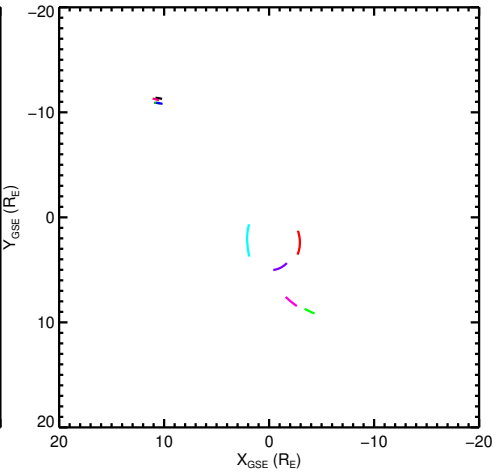




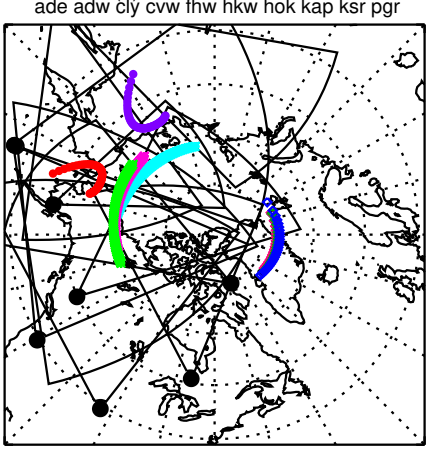
(a) 0000UT to 0120UT
bks cve fhe kap wal



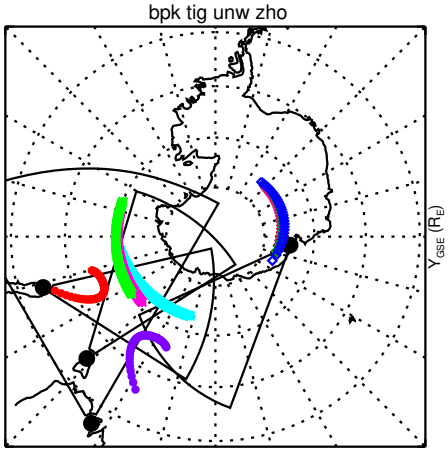


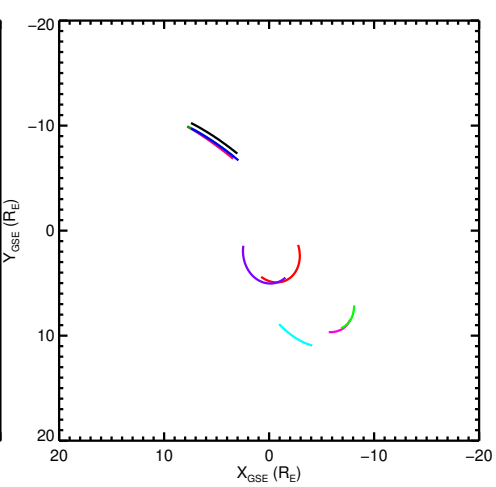


(b) 0515UT to 1015UT
ade adw cly cvw fhw hkw hok kap ksr pgr

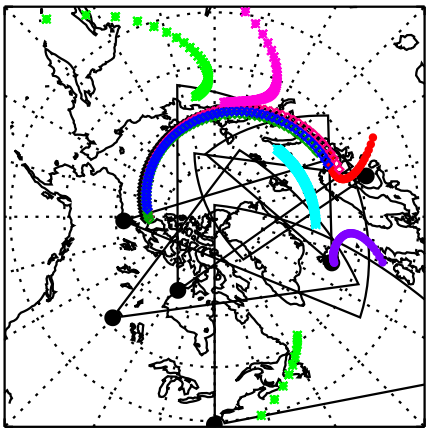


bpk tig unw zho





(c) 1420UT to 1915UT
han inv pyk rkn sas wal



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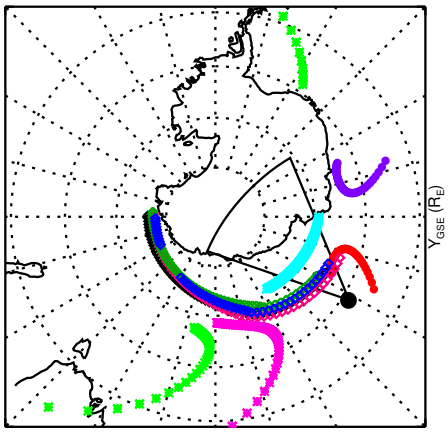
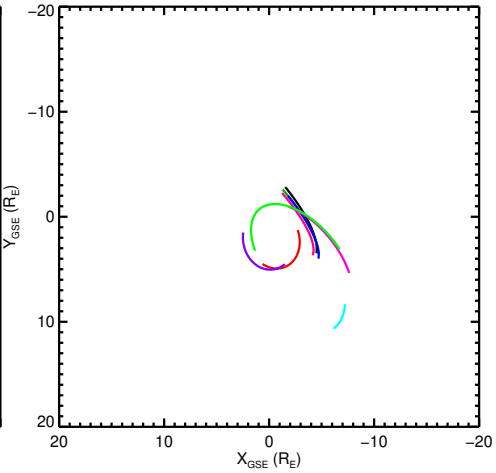
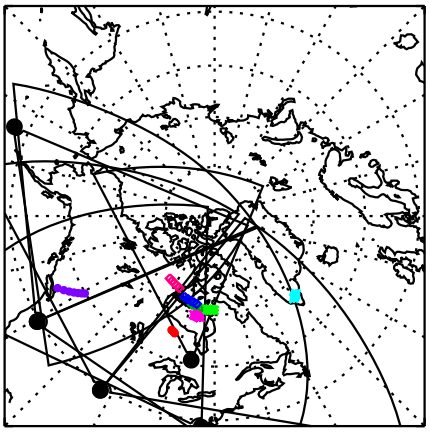
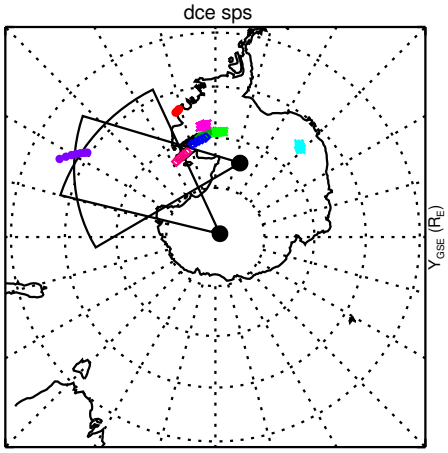


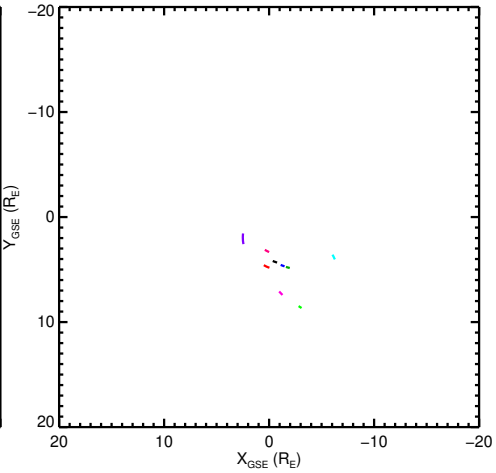


(d) 2325UT to 2355UT
ade bks cve cvw fhe fhw kap



dce sps

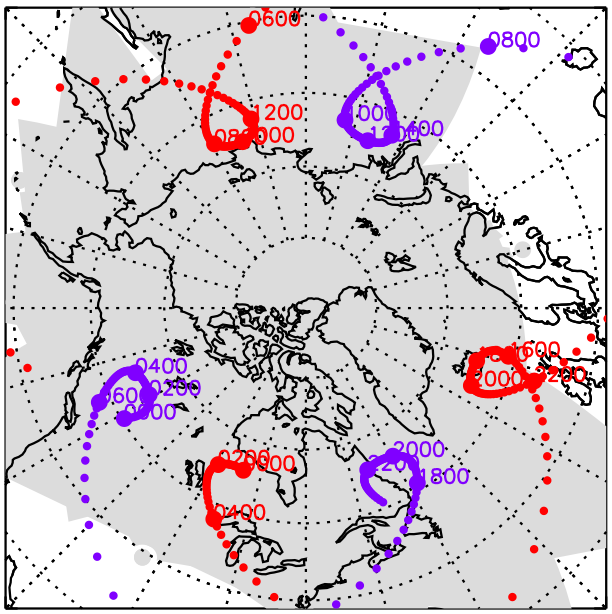


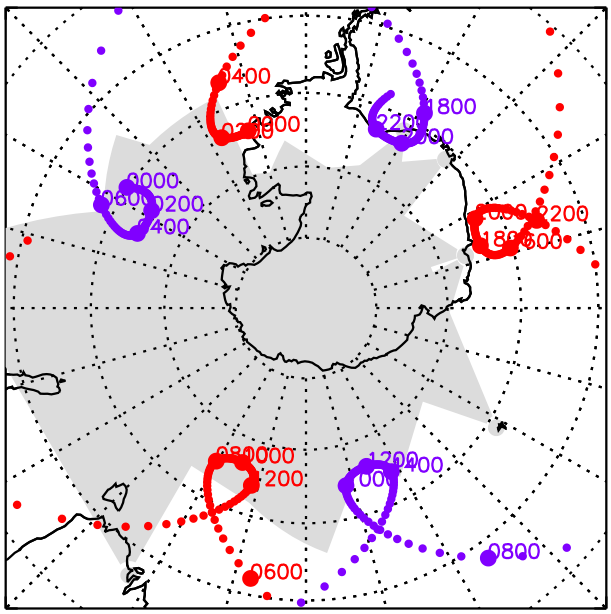


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

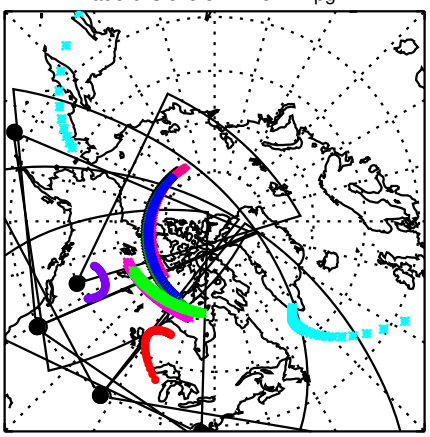
12–Apr–2017

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

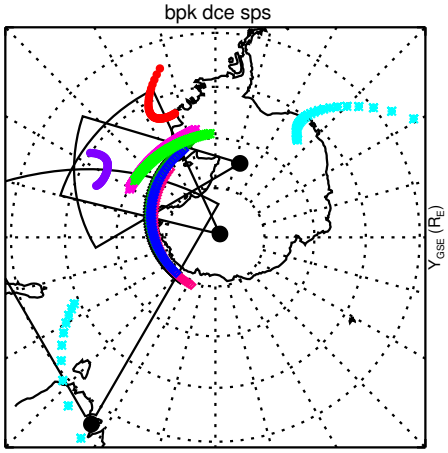


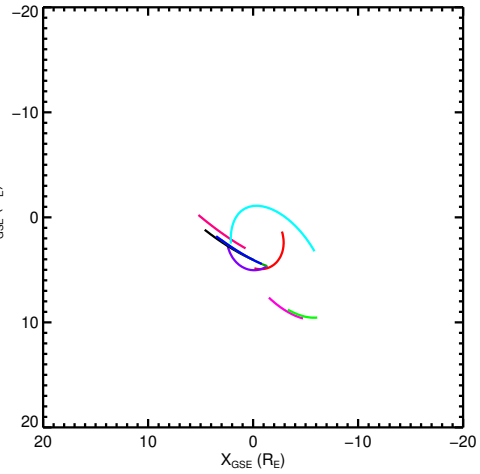


(a) 0000UT to 0410UT
ade bks cve cvw fhe fhw pgr

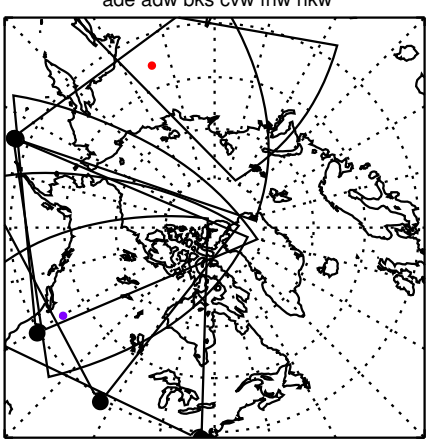


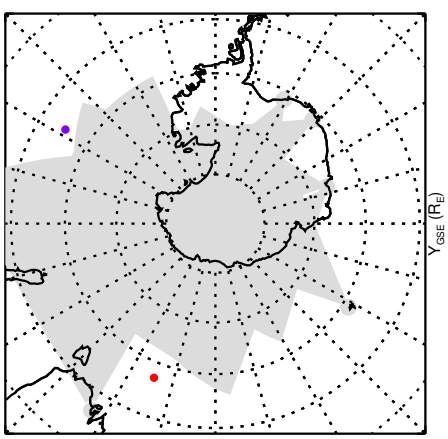
bpk dce sps

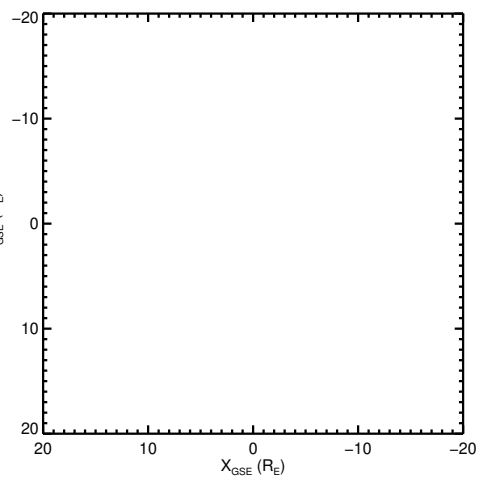




(b) 0620UT to 0620UT
ade adw bks cvw fhw hkw

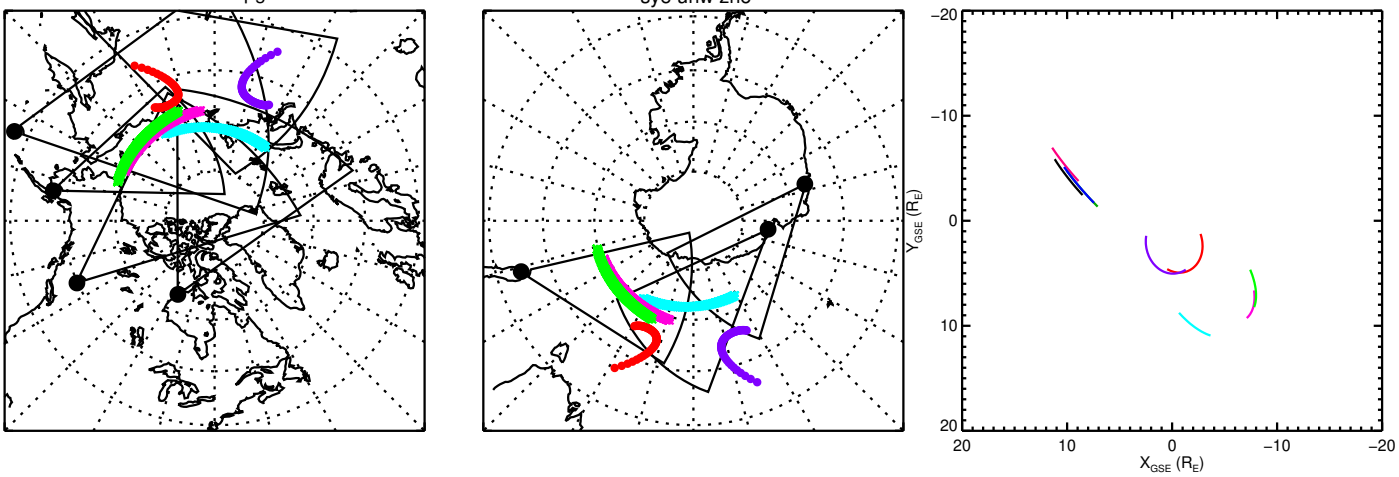




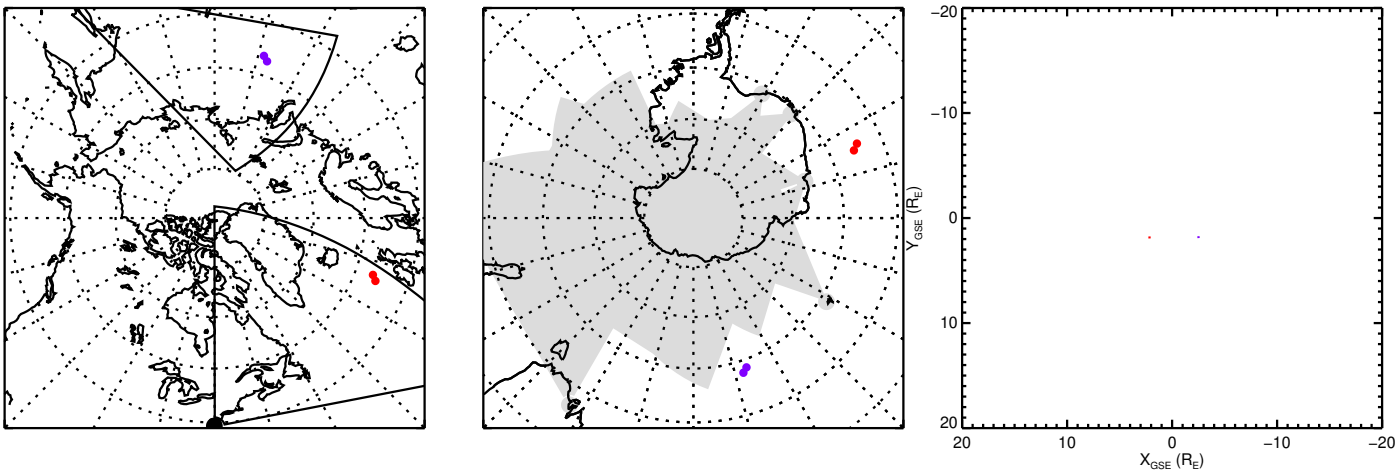


(c) 0825UT to 1310UT
adw hkw ksr pgr rkn

sye unw zho

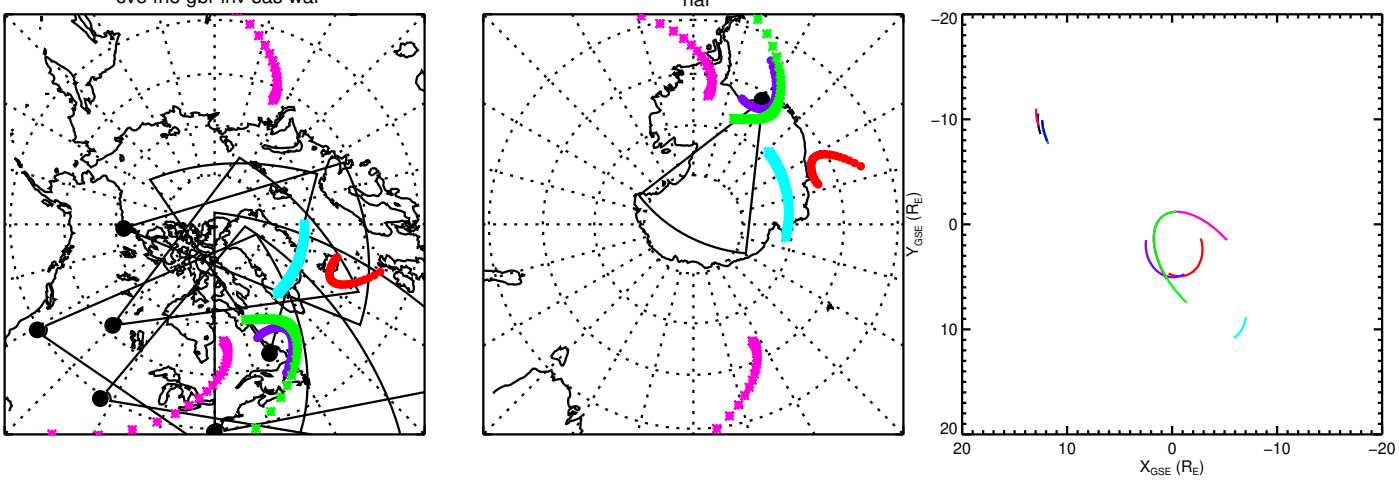


(d) 1515UT to 1520UT
hkw wal



(e) 1730UT to 2205UT
cve fhe gbr inv sas wal

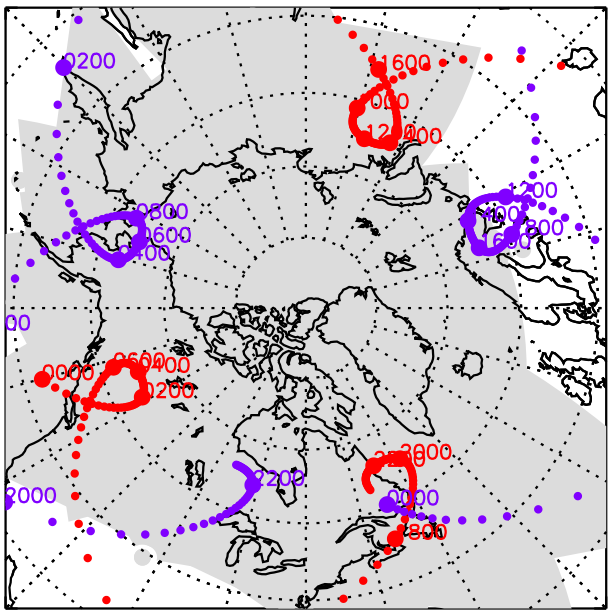
hal

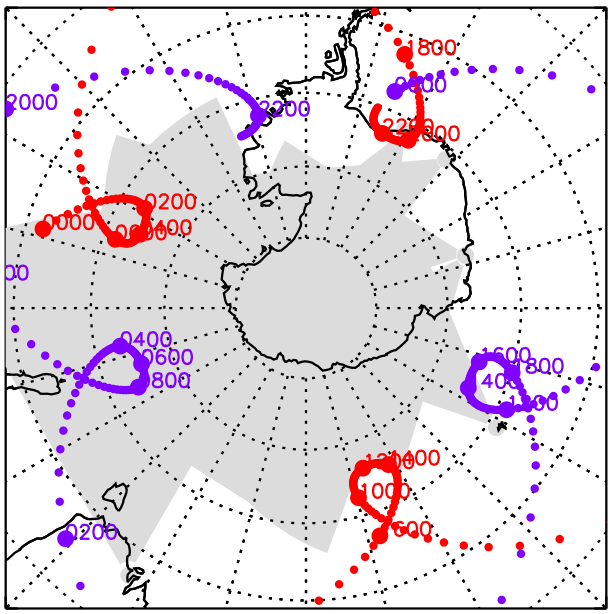


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

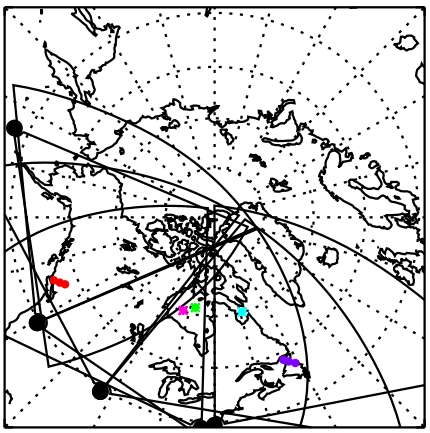
13–Apr–2017

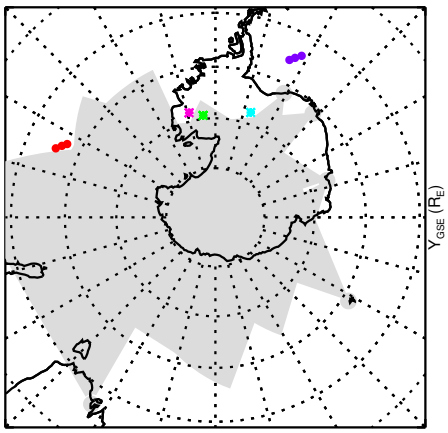
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

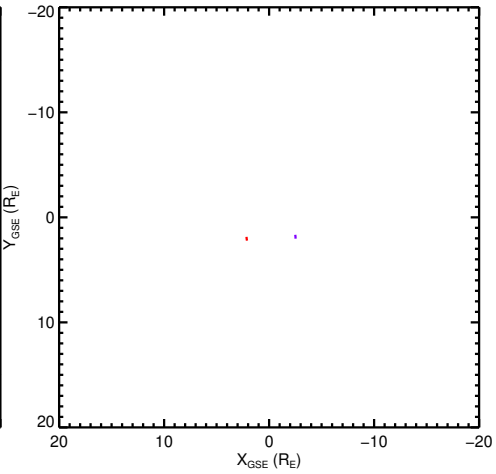




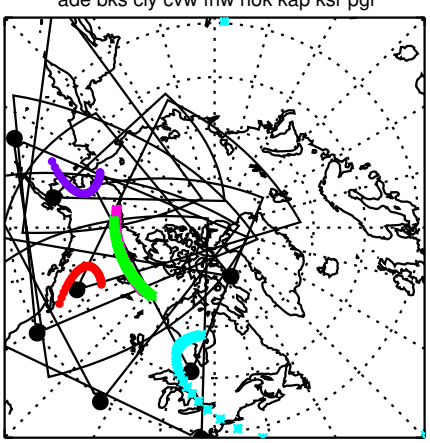
(a) 0015UT to 0025UT
ade bks cve cvw fhe fhw wal



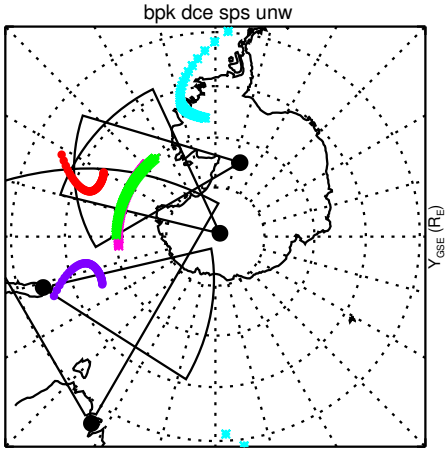


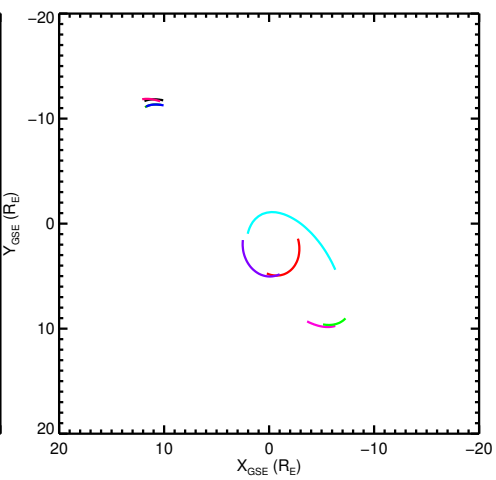


(b) 0235UT to 0700UT
ade bks cly cvw fhw hok kap ksr pgr

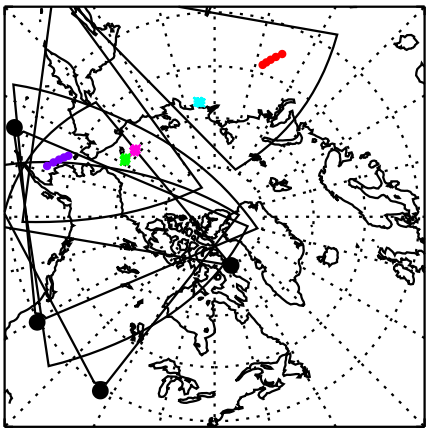


bpk dce sps unw

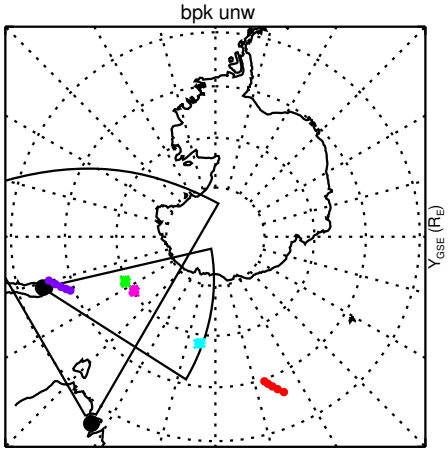


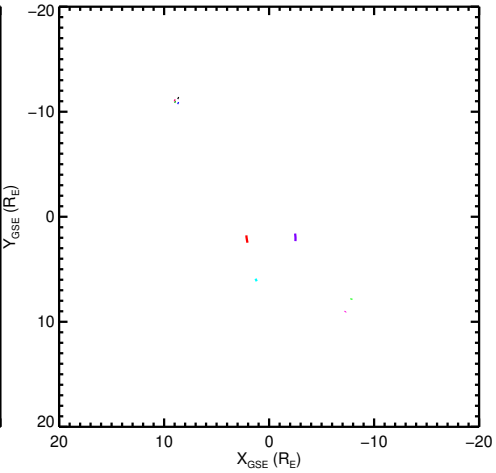


(c) 0910UT to 0930UT
ade cly cvw fhw hkw hok

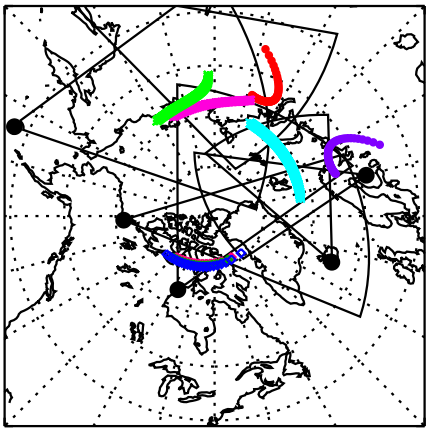


bpk unw

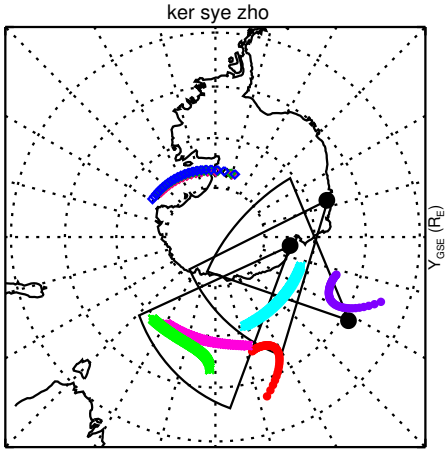


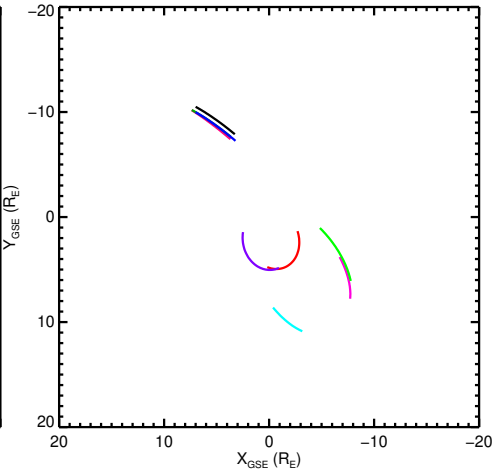


(d) 1135UT to 1600UT
adw han hkw inv pyk rkn

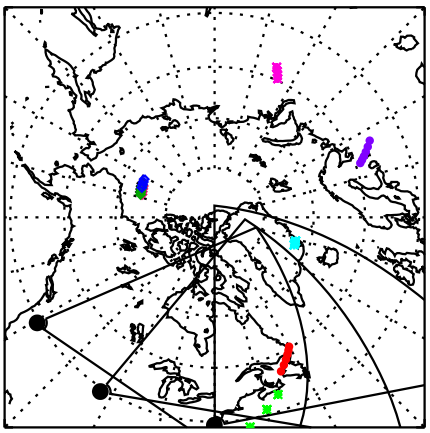


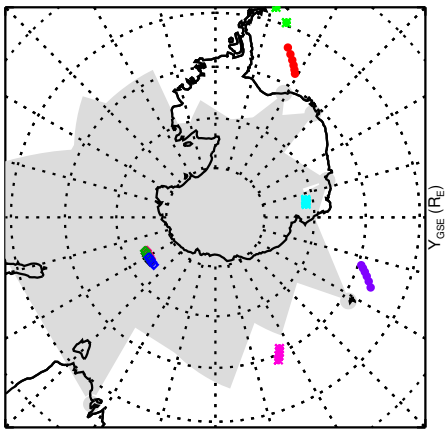
ker sye zho

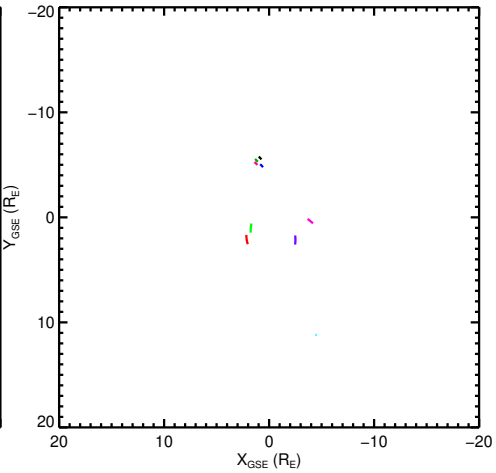




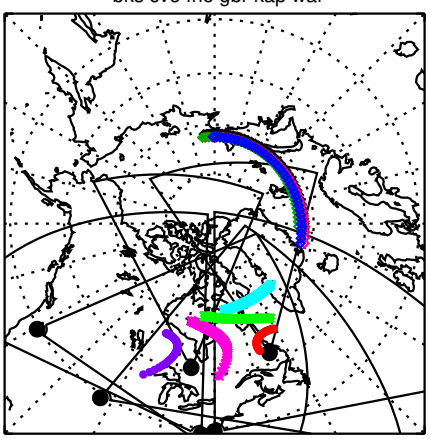
(e) 1805UT to 1830UT
cve fhe wal



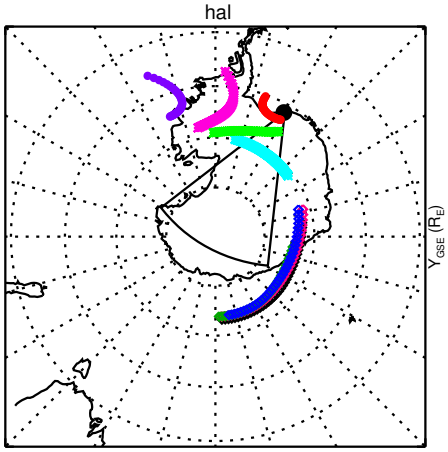


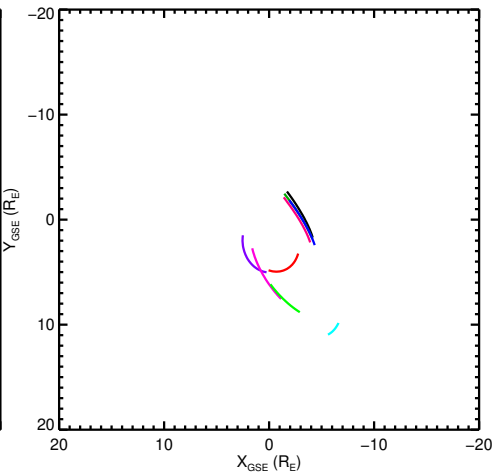


(f) 2040UT to 2355UT
bks cve fhe gbr kap wal



hal

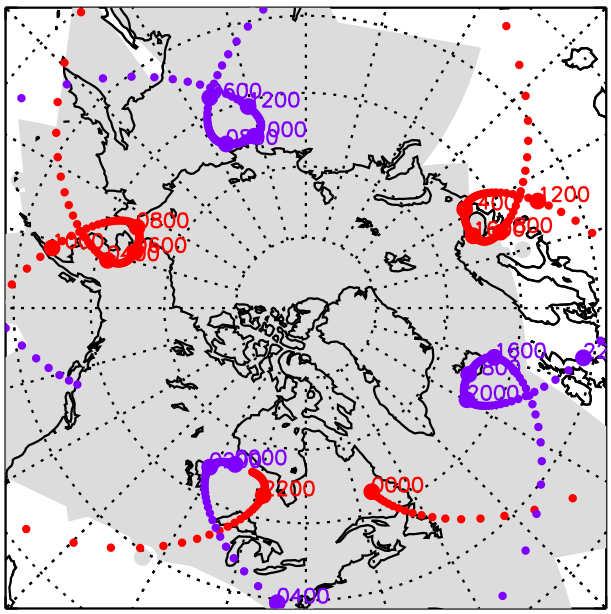


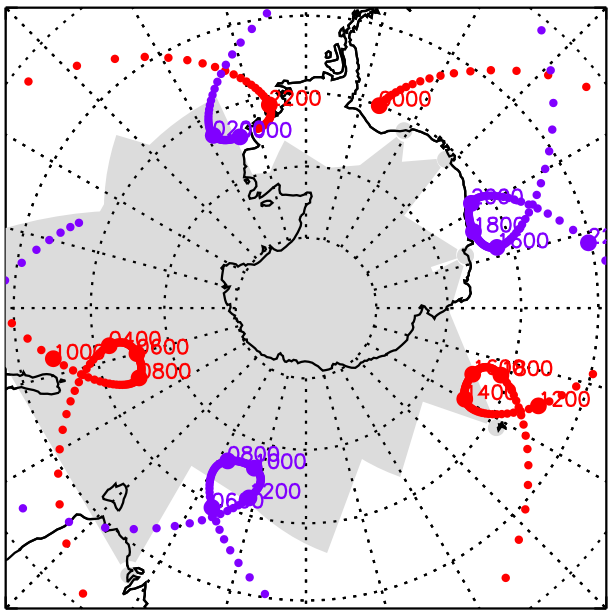


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

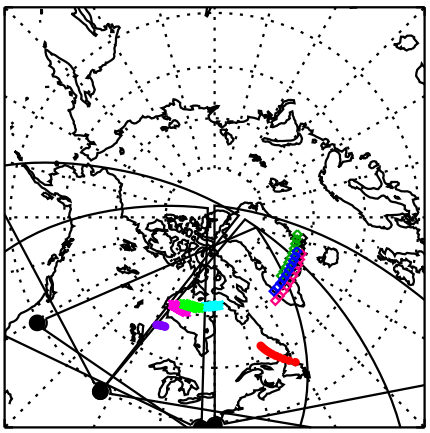
14–Apr–2017

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

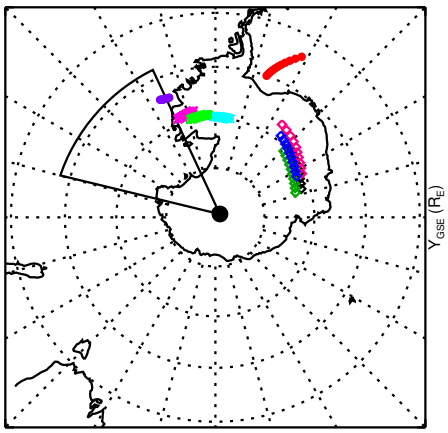


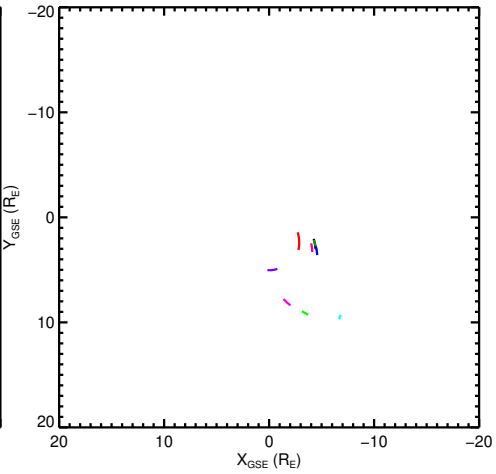


(a) 0000UT to 0055UT
bks cve fhe fhw wal

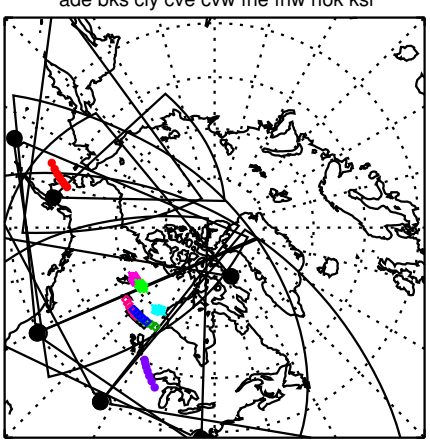


dce

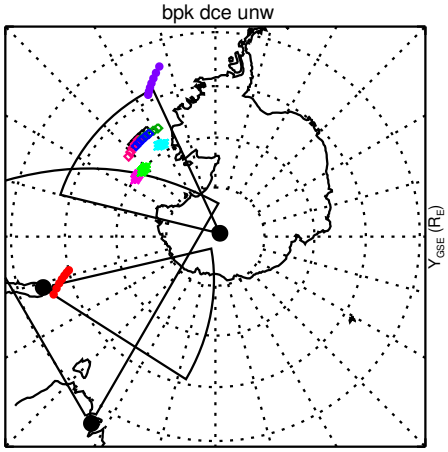


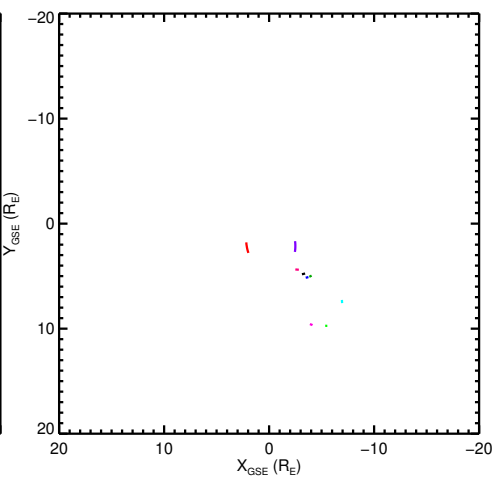


(b) 0305UT to 0335UT
ade bks cly cve cvw fhe fhw hok ksr

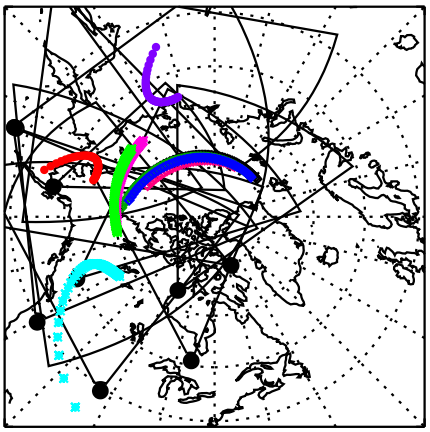


bpk dce unw

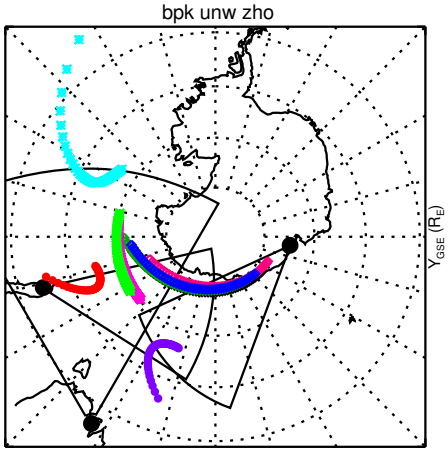


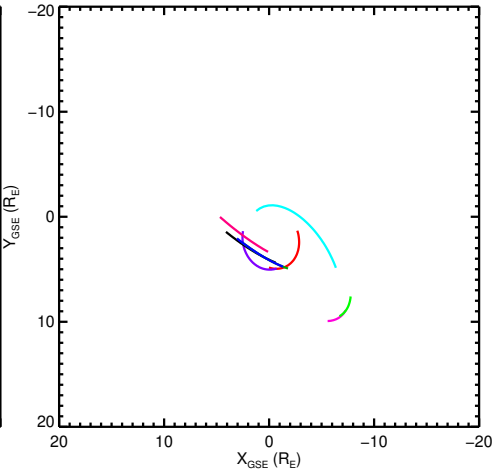


(c) 0540UT to 0955UT
ade adw cly cvw fhw hkw hok kap ksr pgr rkn

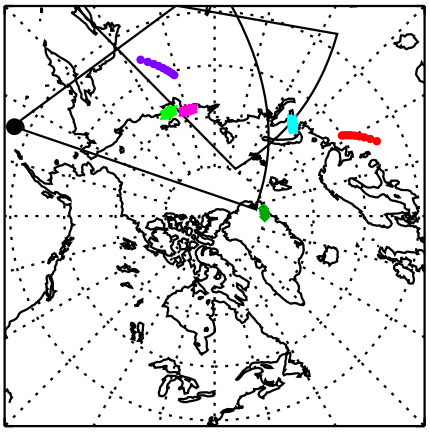


bpk unw zho

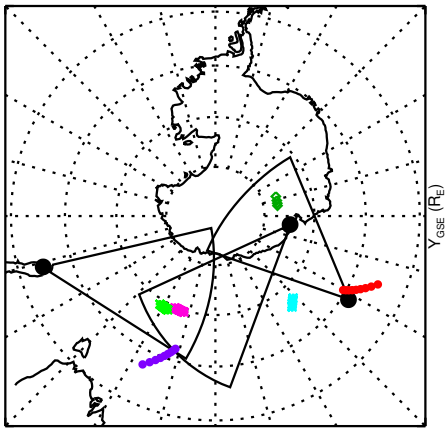


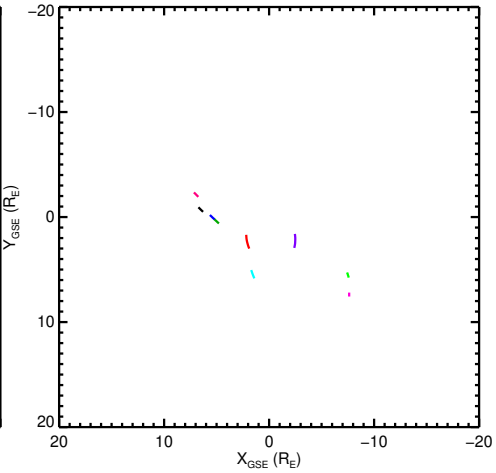


(d) 1200UT to 1240UT
adw hkw

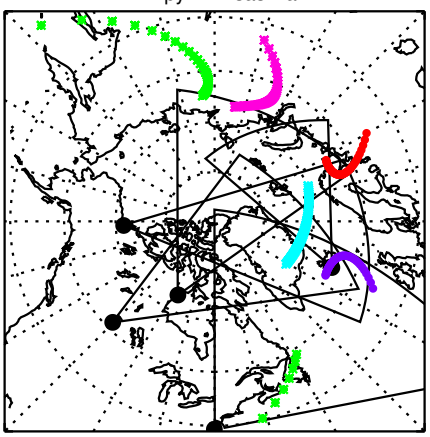


ker unw zho





(e) 1445UT to 1850UT
inv pyk rkn sas wal



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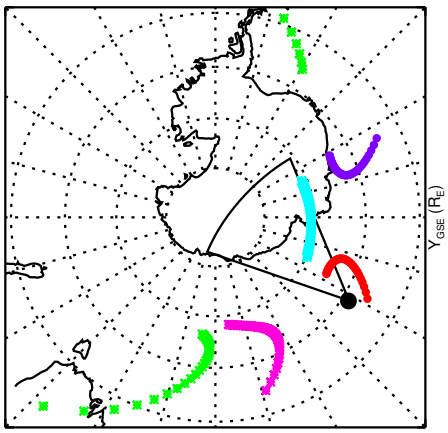
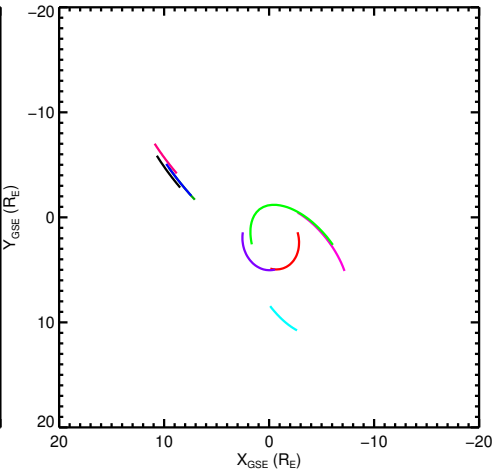
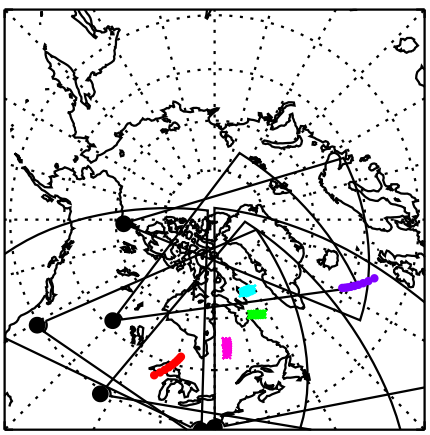
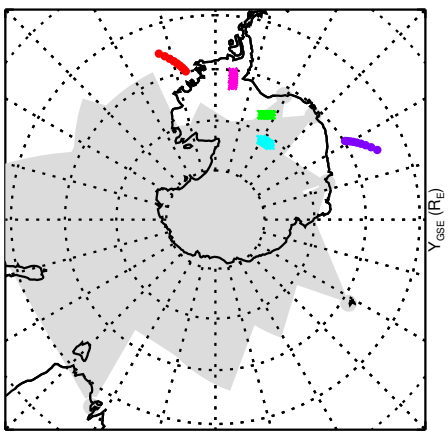
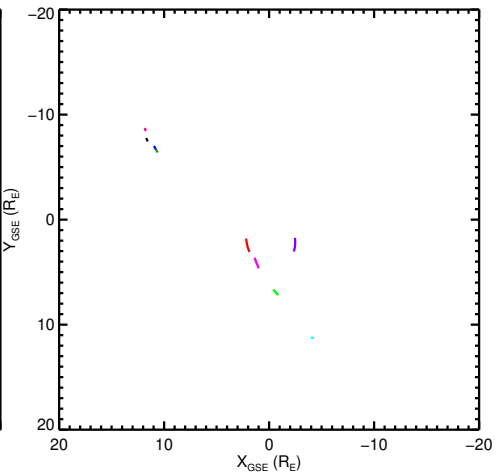


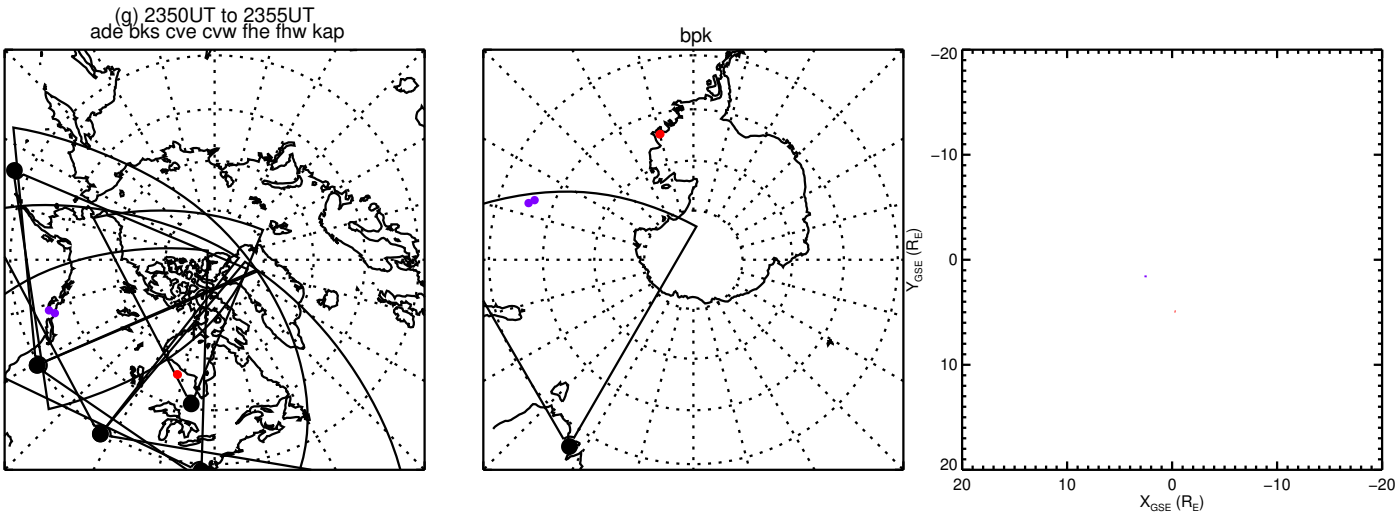


(f) 2100UT to 2140UT
bks cve fhe inv sas wal





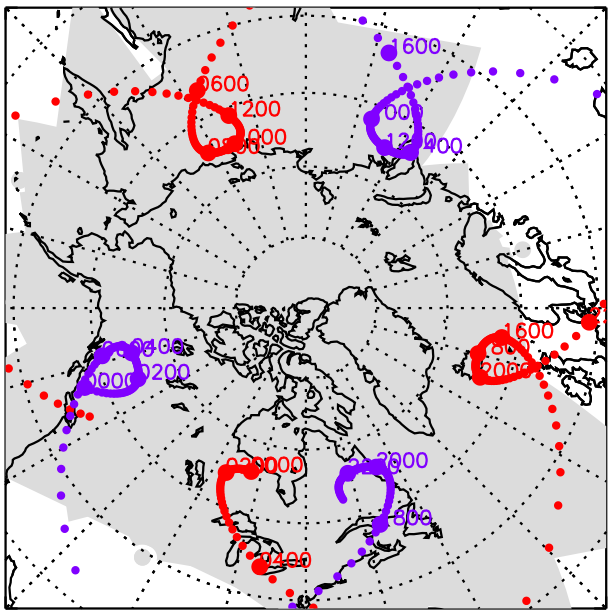


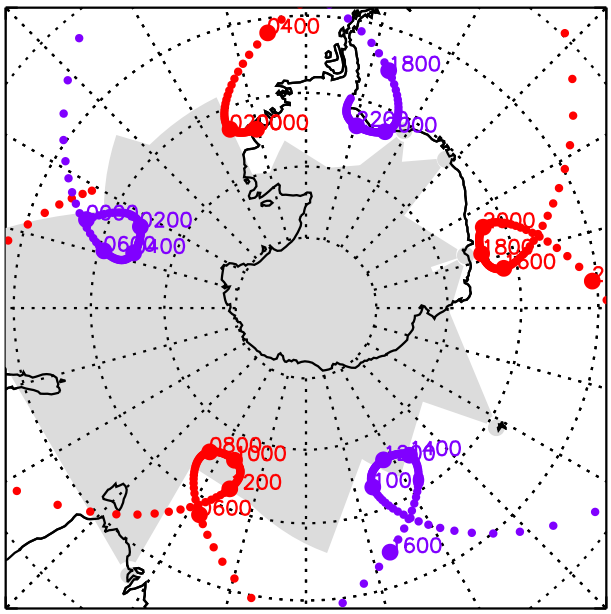

(g) 2350UT to 2355UT
ade bks cve cvw fhe fhw kap
bpk
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

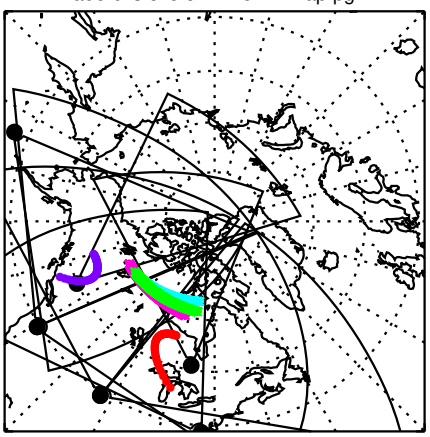
15–Apr–2017

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

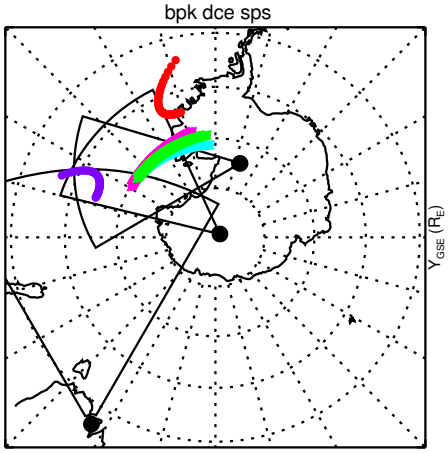


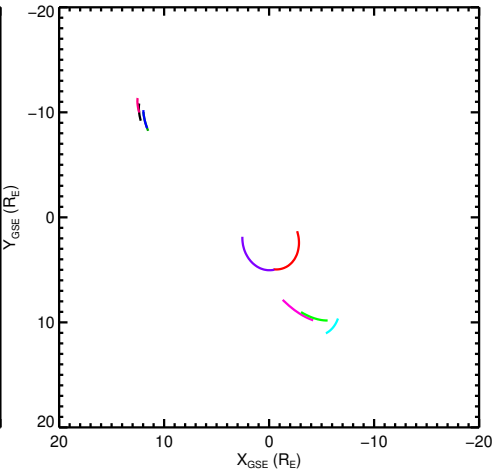


(a) 0000UT to 0350UT
ade bks cve cvw fhe fhw kap pgr

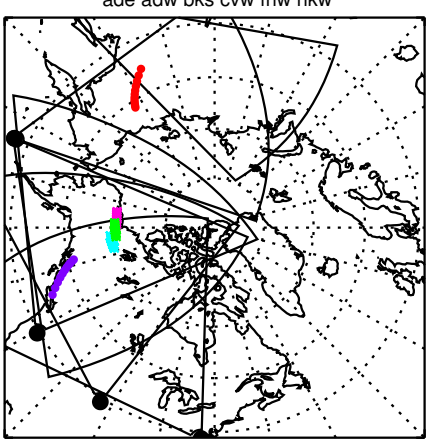


bpk dce sps

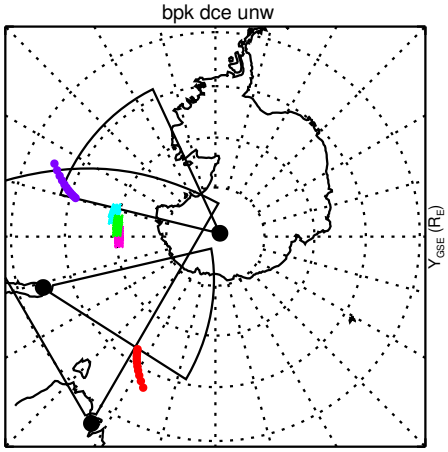


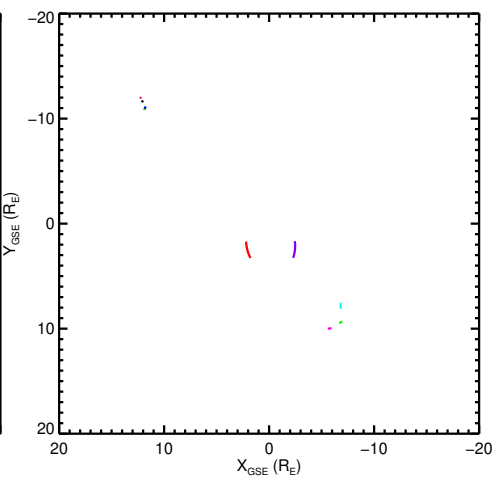


(b) 0555UT to 0645UT
ade adw bks cvw fhw hkw

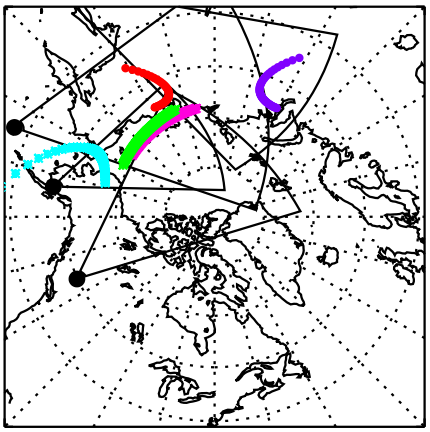


bpk dce unw

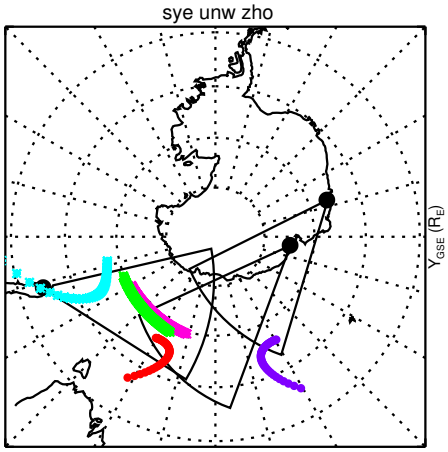


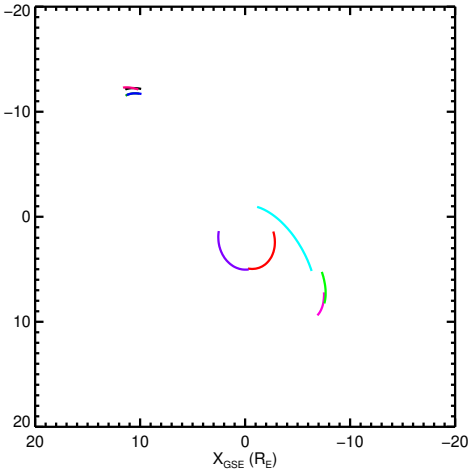


(c) 0850UT to 1245UT
adw hkw ksr pgr

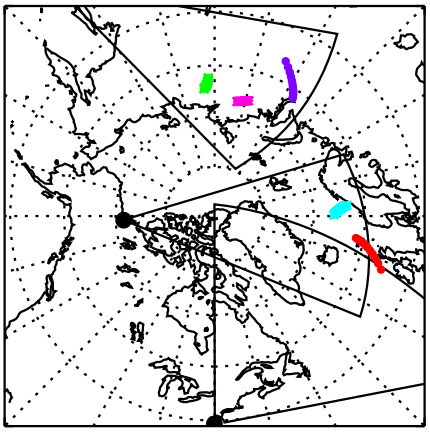


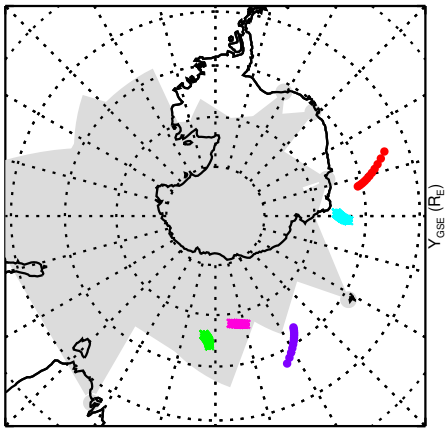
sye unw zho

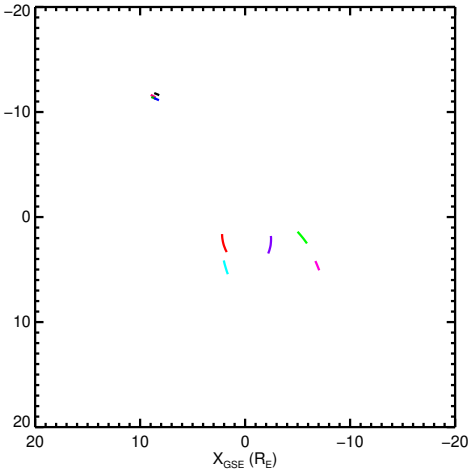




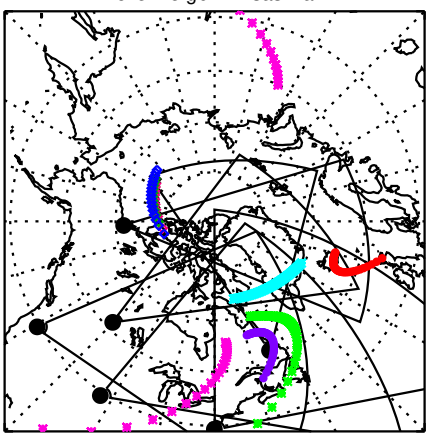
(d) 1450UT to 1545UT
hkw inv wal

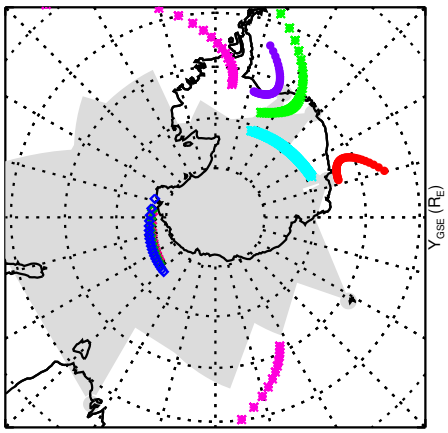


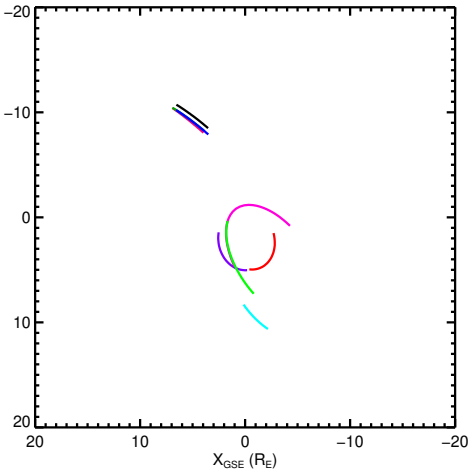




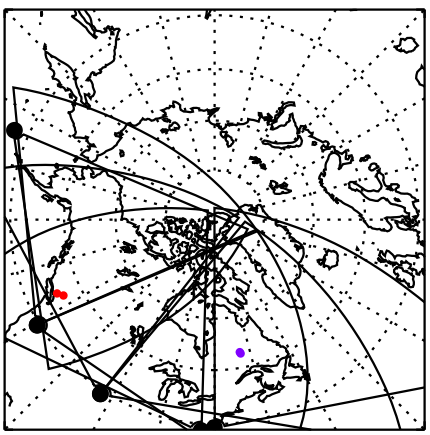
(e) 1755UT to 2140UT
cve fhe gbr inv sas wal

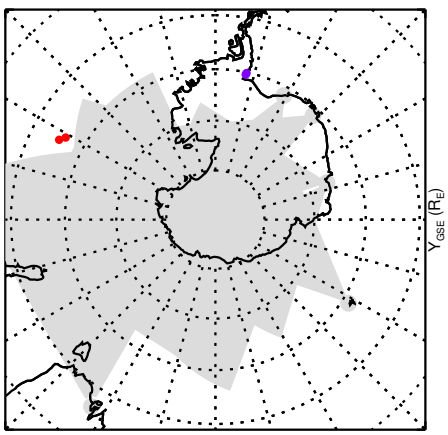


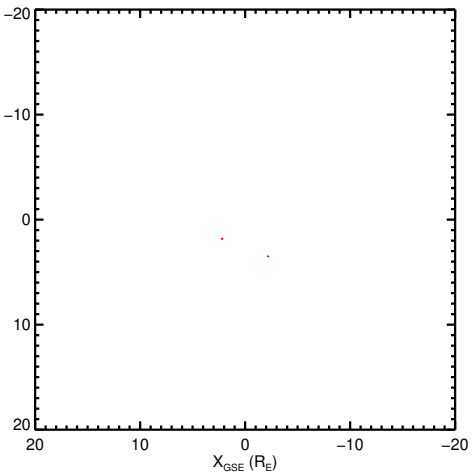




(f) 2350UT to 2355UT
ade bks cve cvw fhe fhw wal



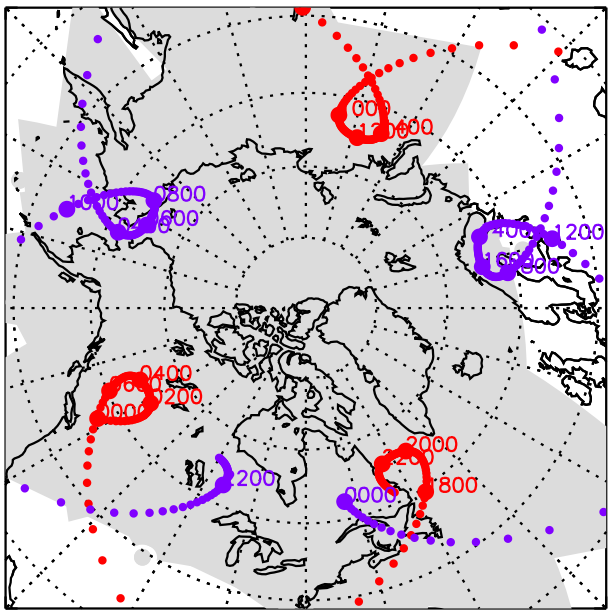


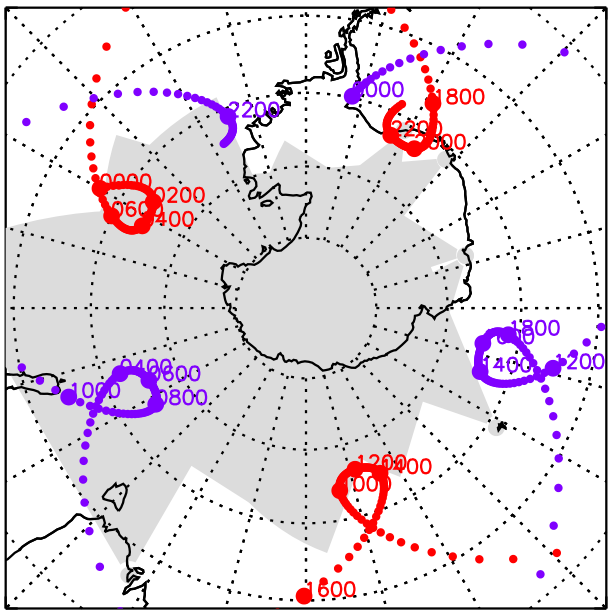


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

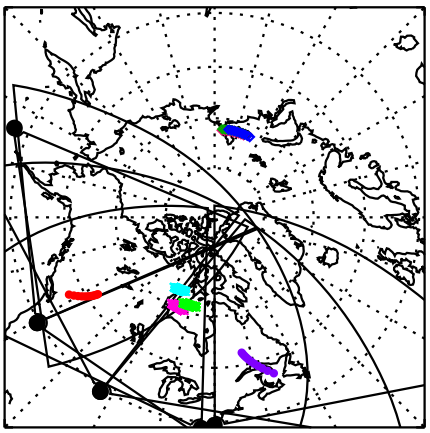
16–Apr–2017

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

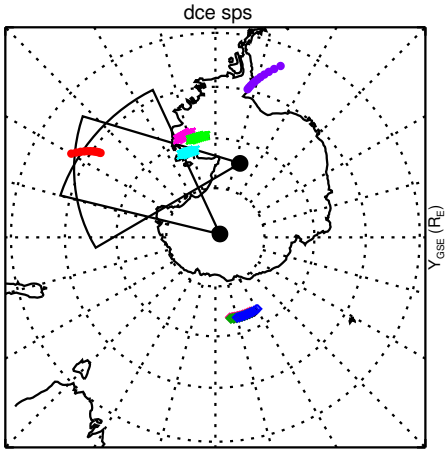


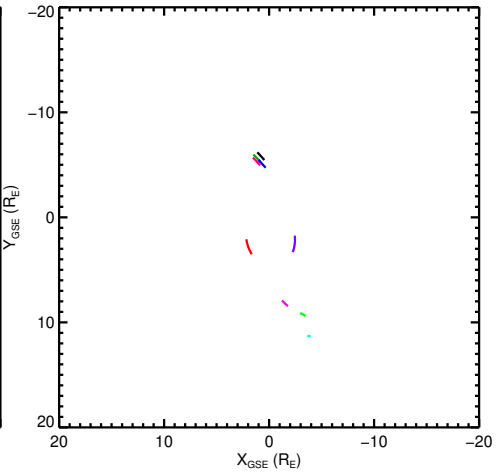


(a) 0000UT to 0050UT
ade bks cve cvw fhe fhw wal

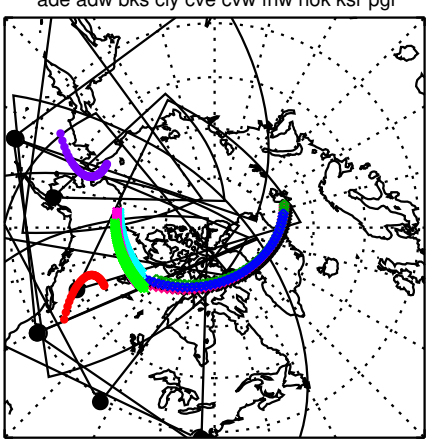


dce sps

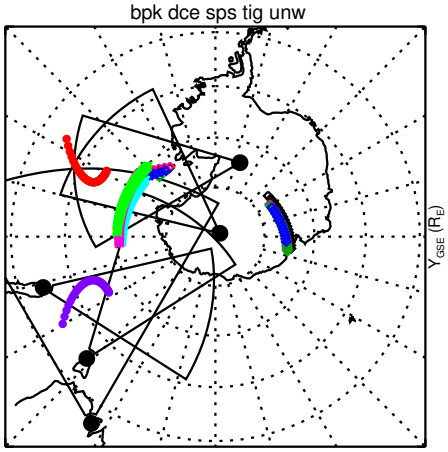


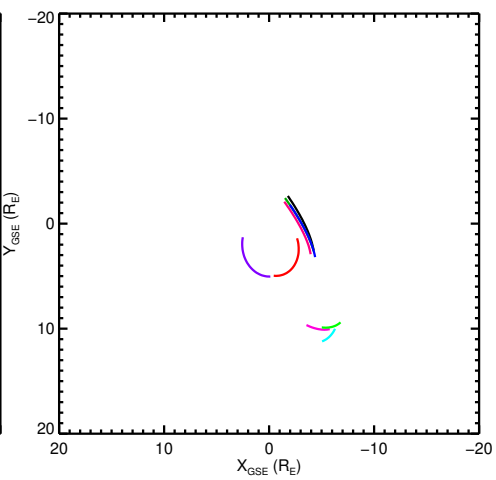


(b) 0255UT to 0640UT
ade adw bks cly cve cvw fhw hok ksr pgr

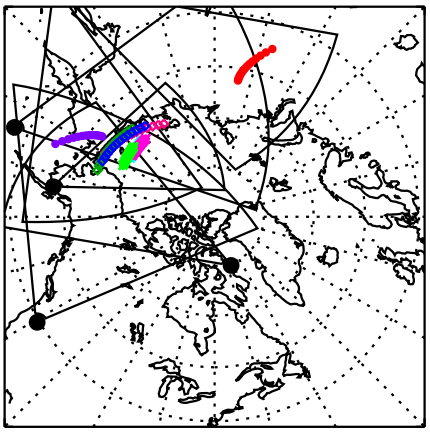


bpk dce sps tig unw

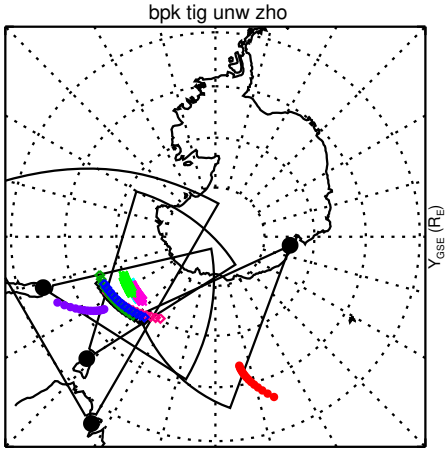


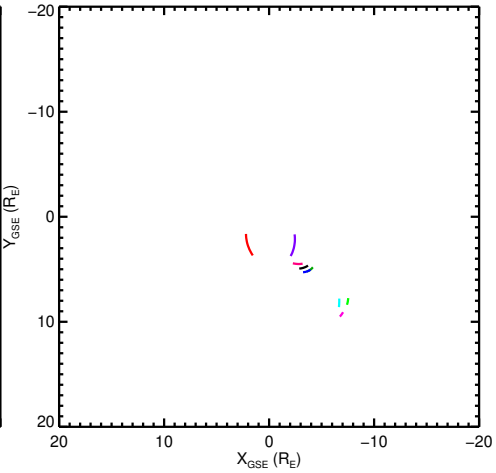


(c) 0845UT to 0955UT
adw cly cvw hkw hok ksr

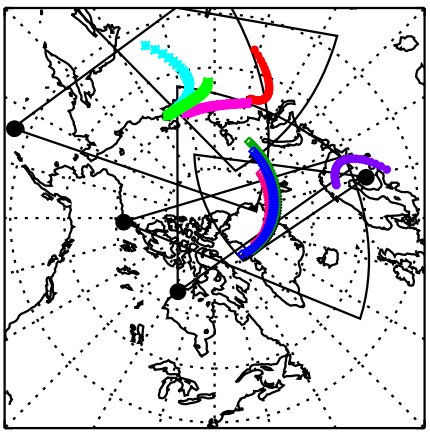


bpk tig unw zho

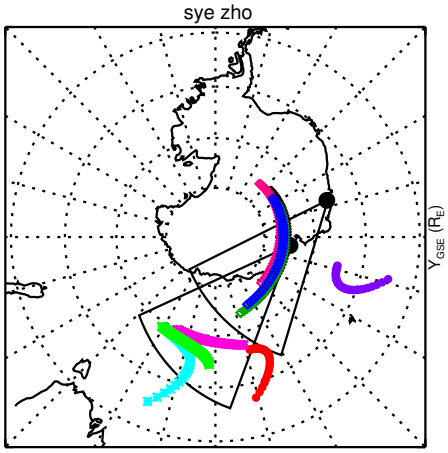


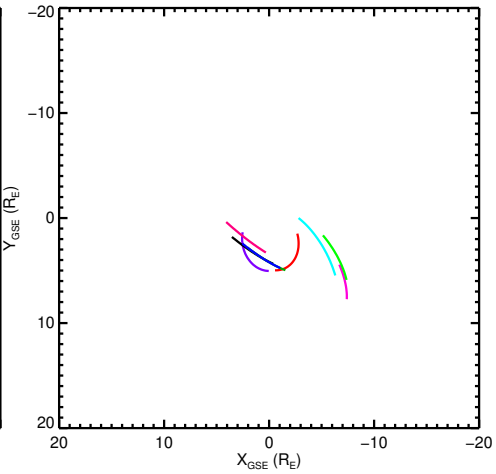


(d) 1200UT to 1535UT
adw han hkw inv rkn

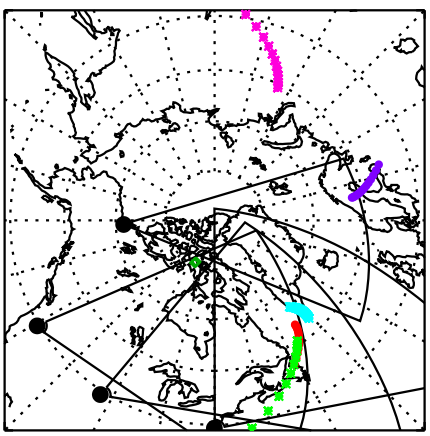


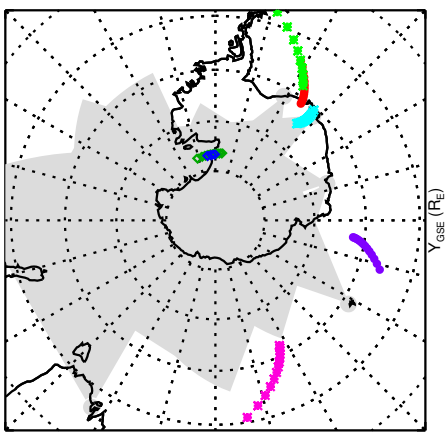
sye zho

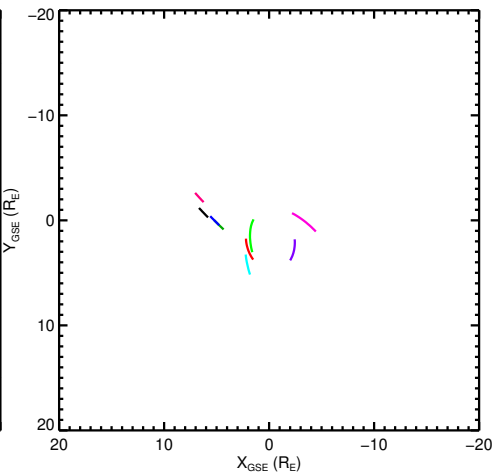




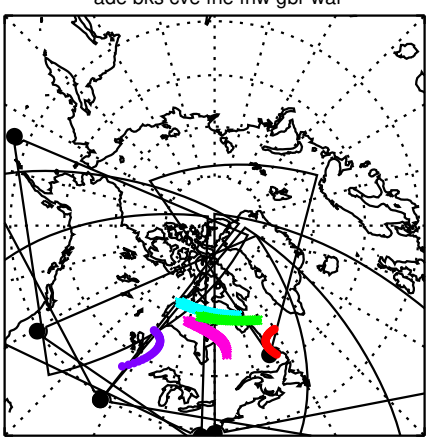
(e) 1745UT to 1855UT
cve fhe inv wal



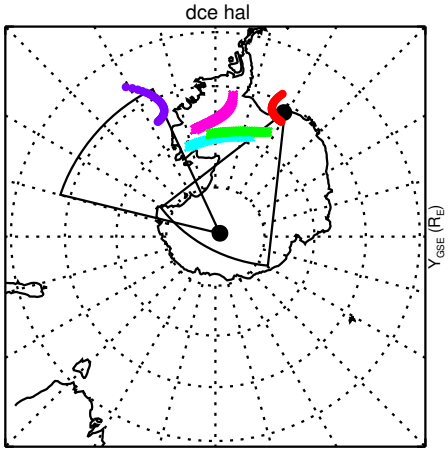


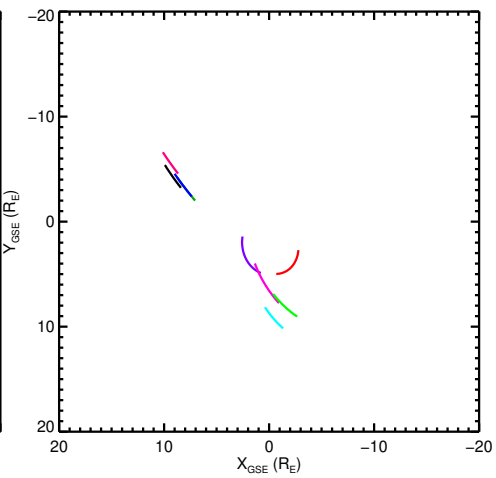


(f) 2105UT to 2355UT
ade bks cve fhe fhw gbr wal



dce hal

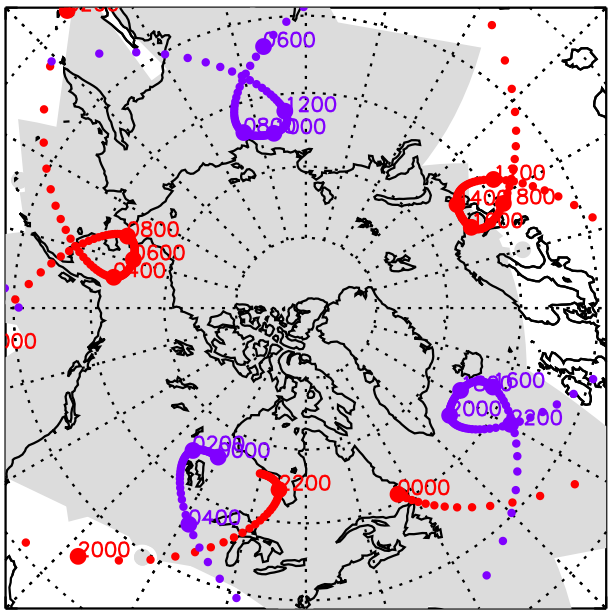


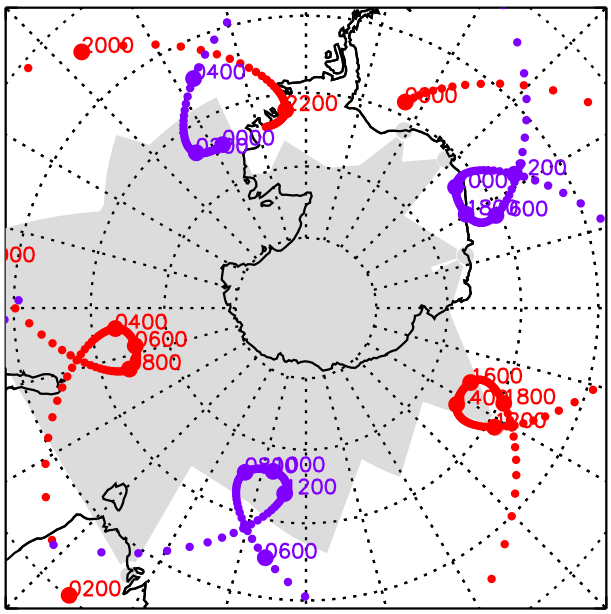


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

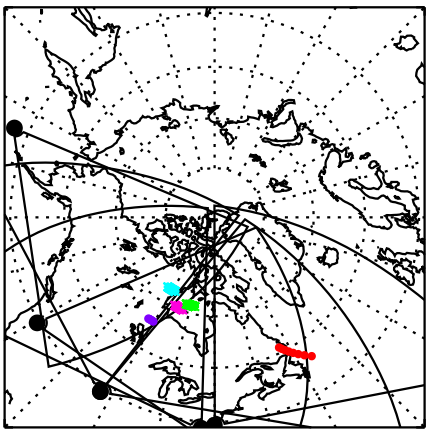
17–Apr–2017

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

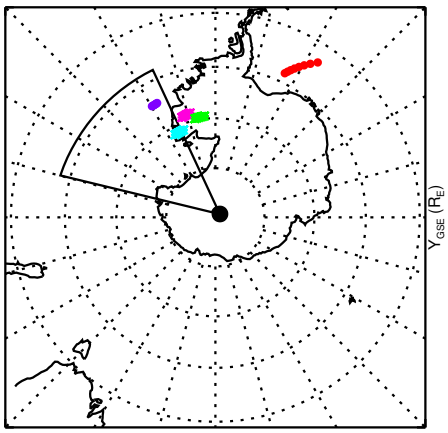


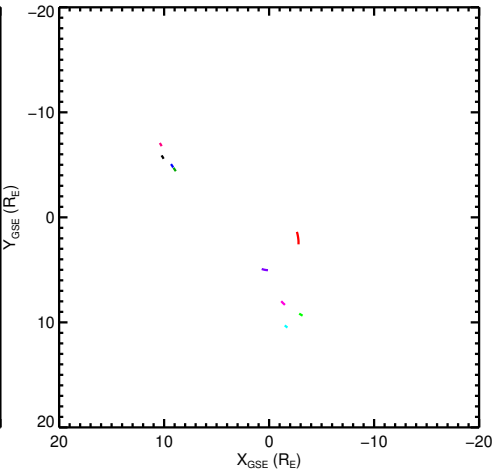


(a) 0000UT to 0035UT
ade bks cve fhe fhw wal

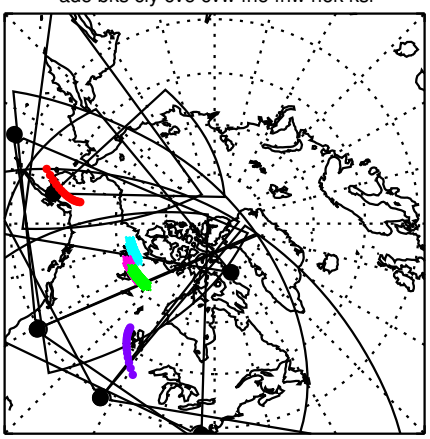


dce

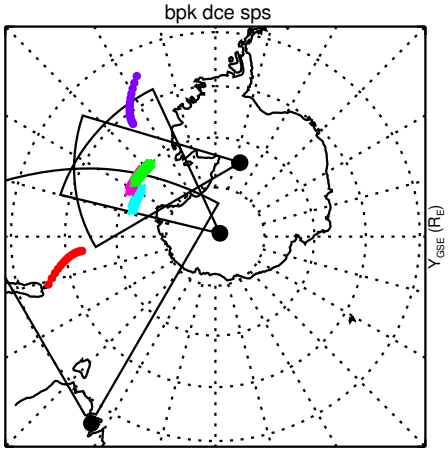


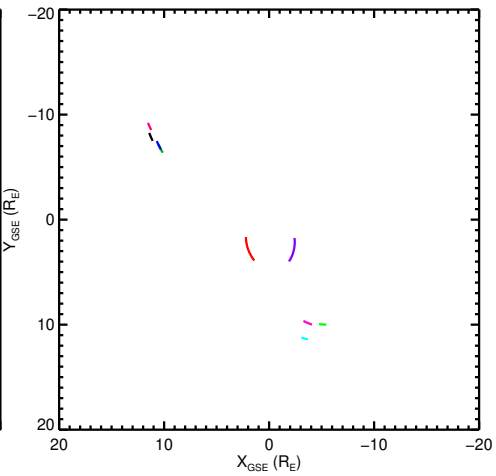


(b) 0240UT to 0400UT
ade bks cly cve cvw fhe fhw hok ksr

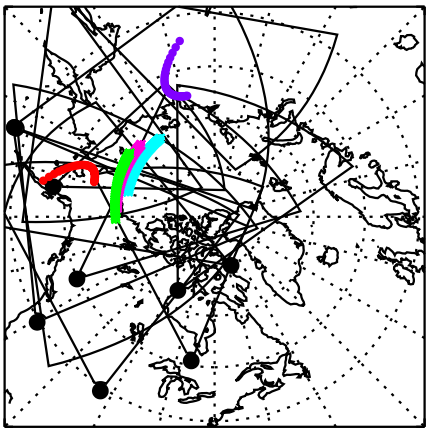


bpk dce sps

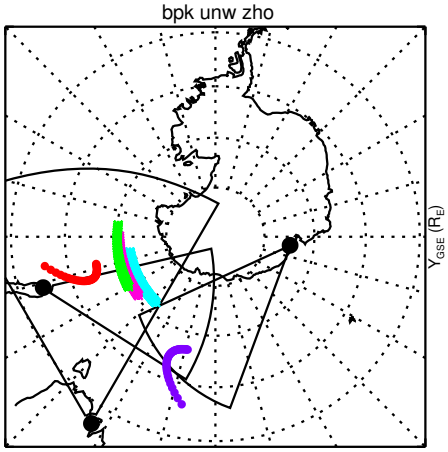


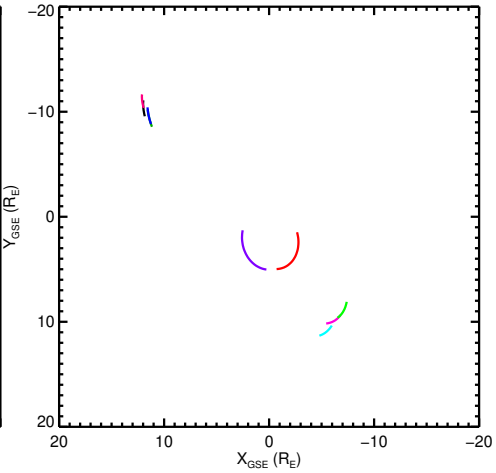


(c) 0605UT to 0930UT
ade adw cly cvw fhw hkw hok kap ksr pgr rkn

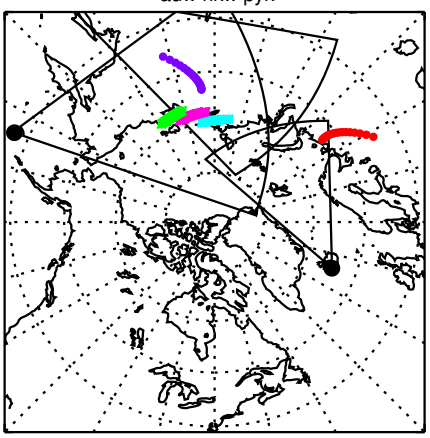


bpk unw zho

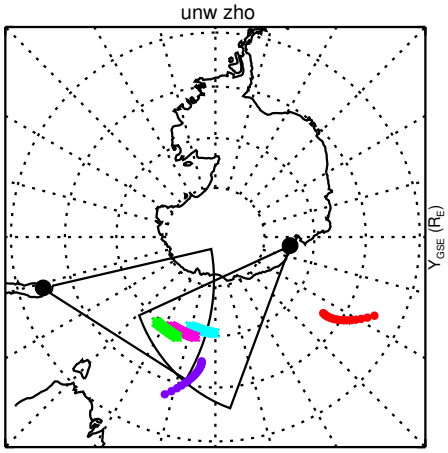


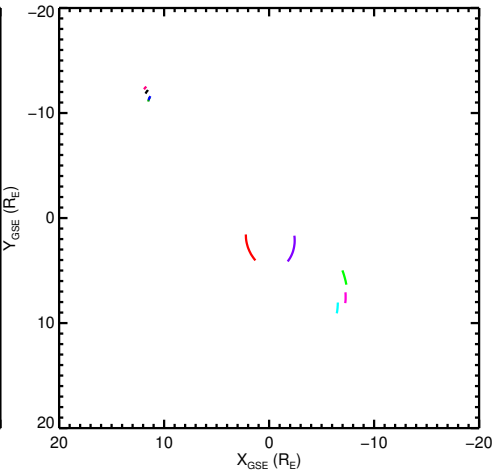


(d) 1135UT to 1305UT
adw hkw pyk

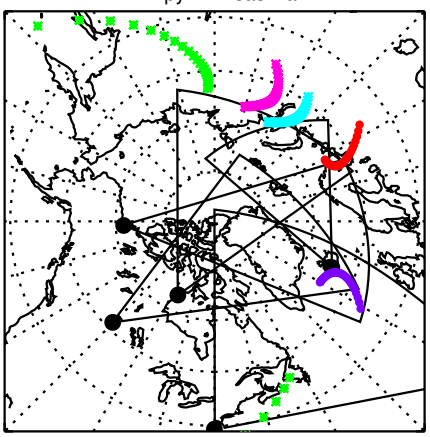


unw zho

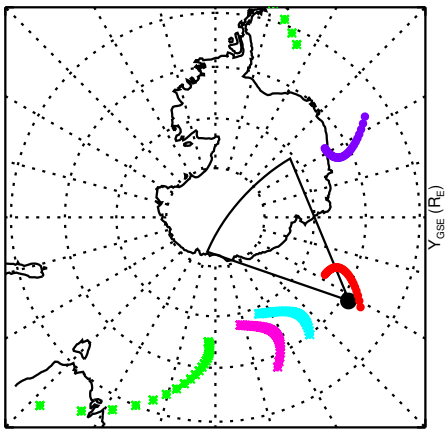


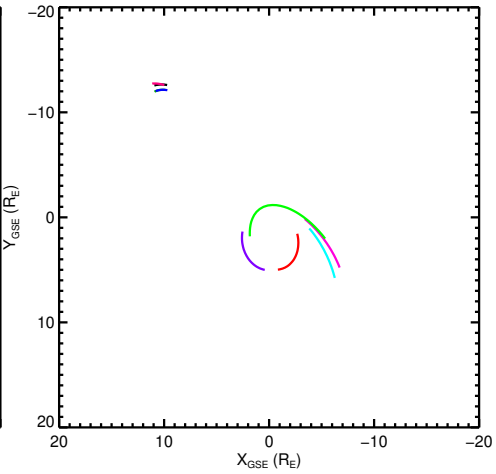


(e) 1510UT to 1825UT
inv pyk rkn sas wal

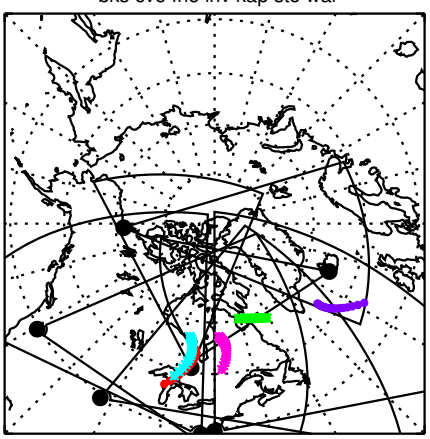


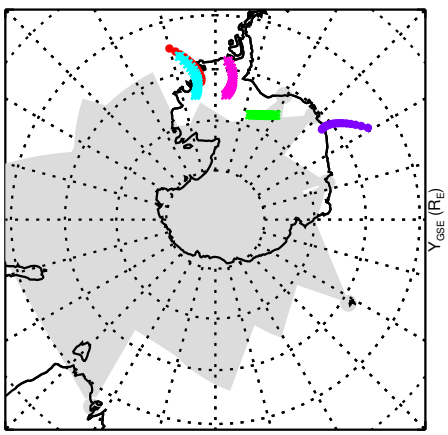
ker

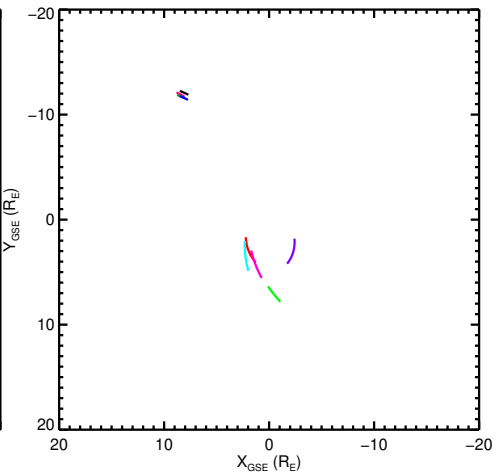




(f) 2035UT to 2205UT
bks cve fhe inv kap sto wal



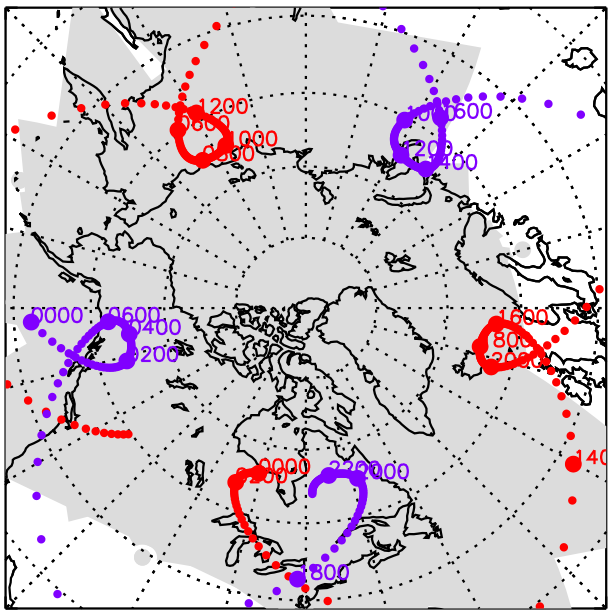


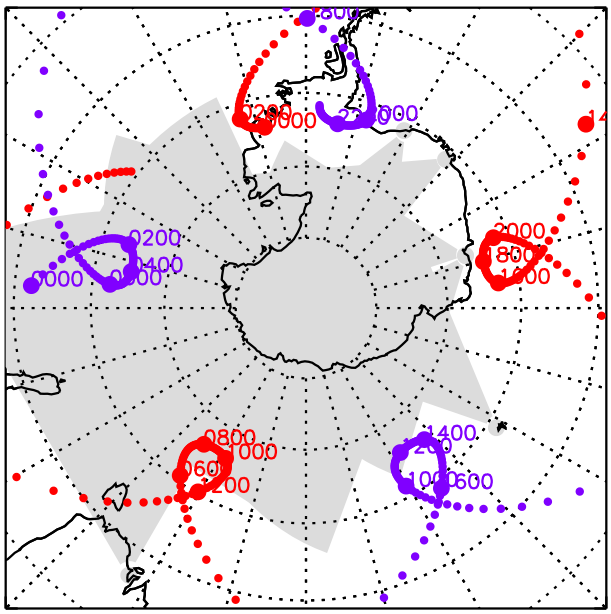


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

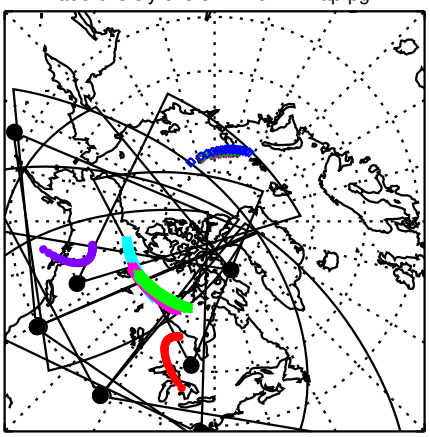
18–Apr–2017

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

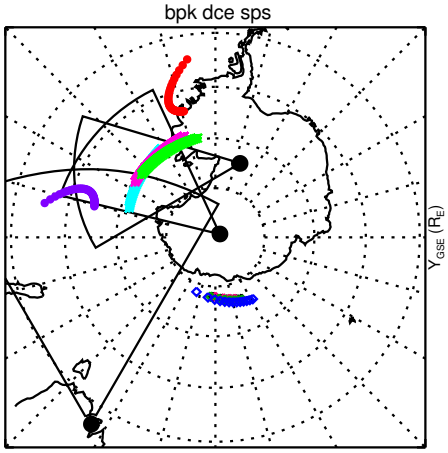


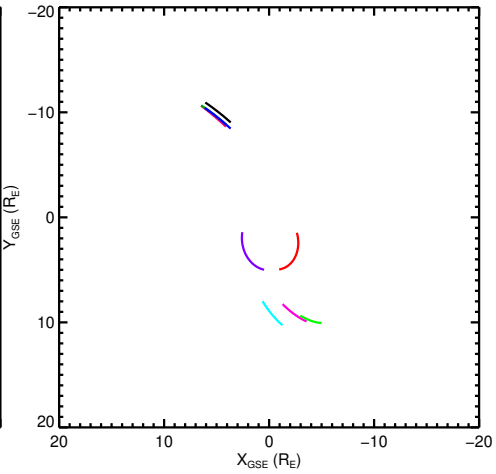


(a) 0015UT to 0325UT
ade bks cly cve cvw fhe fhw kap pgr

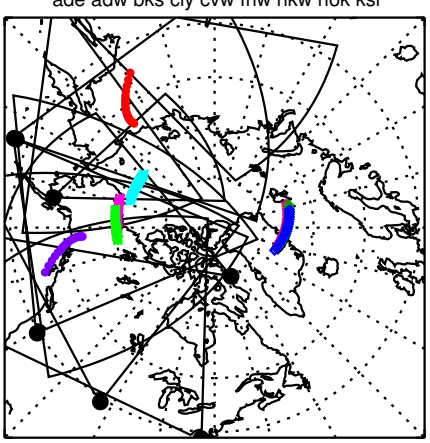


bpk dce sps

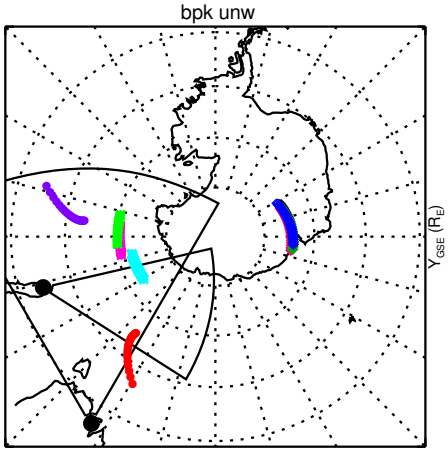


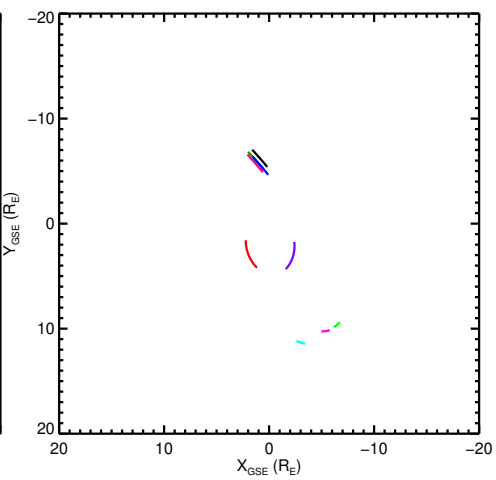


(b) 0530UT to 0710UT
ade adw bks cly cvw fhw hkw hok ksr



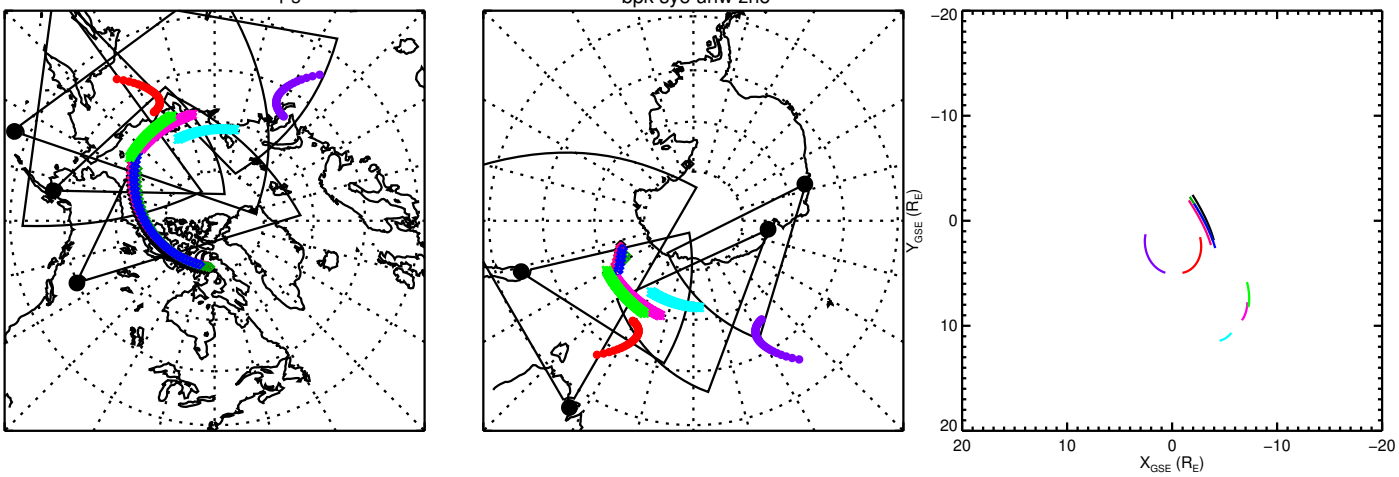
bpk unw



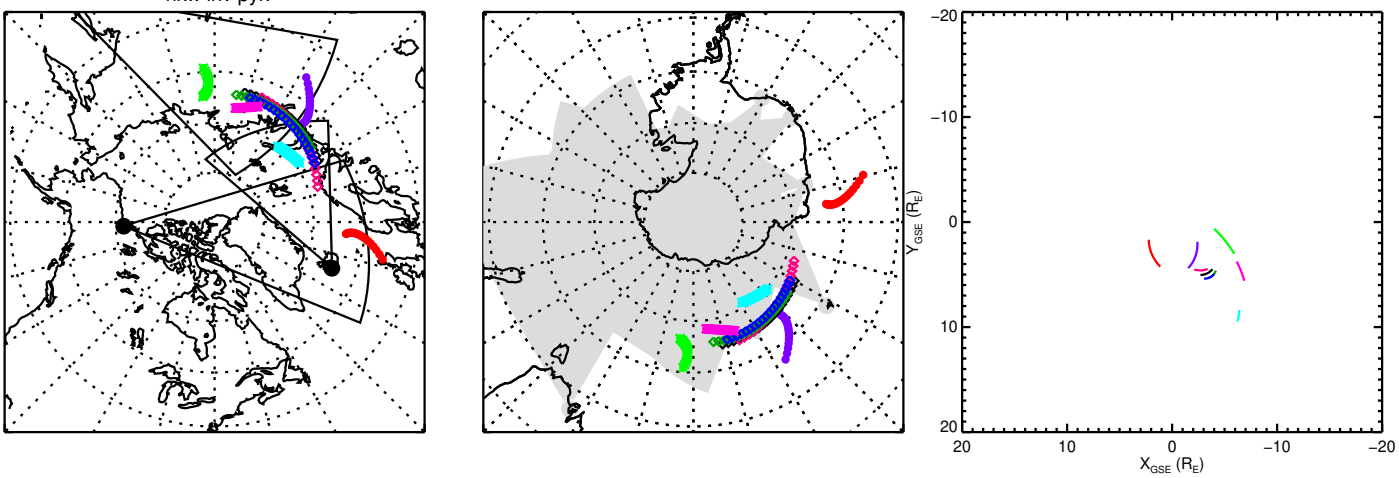


(c) 0915UT to 1220UT
adw hkw hok ksr pgr

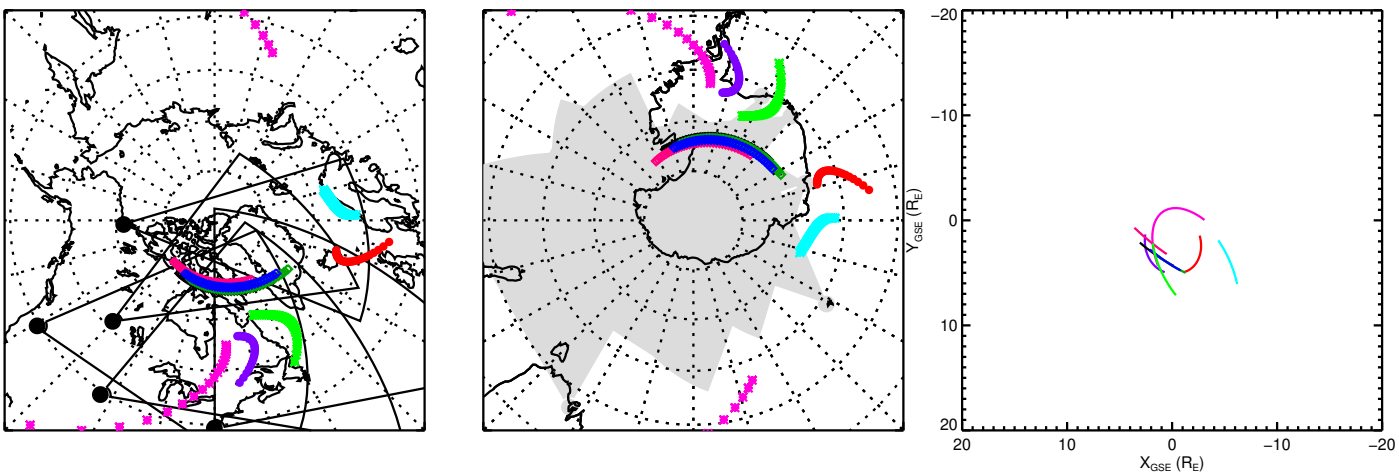
bpk sye unw zho



(d) 1430UT to 1610UT
hkw inv pyk

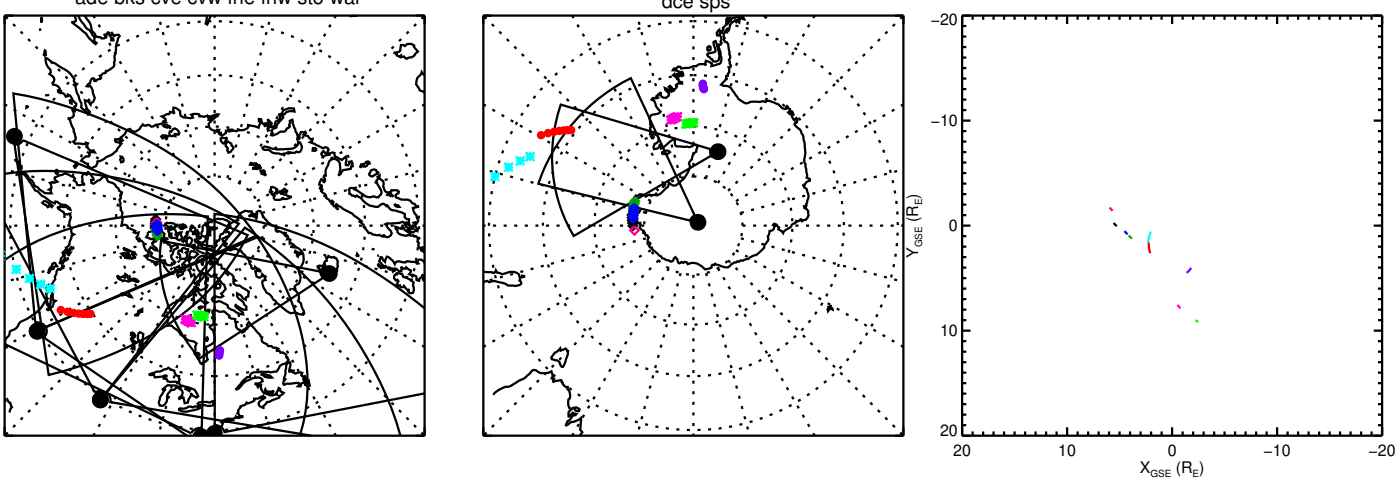


(e) 1820UT to 2120UT
cve fhe inv sas wal



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

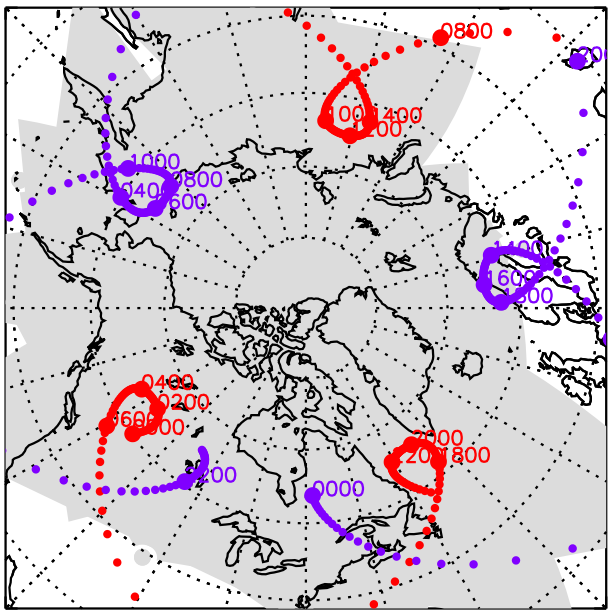
dce sps

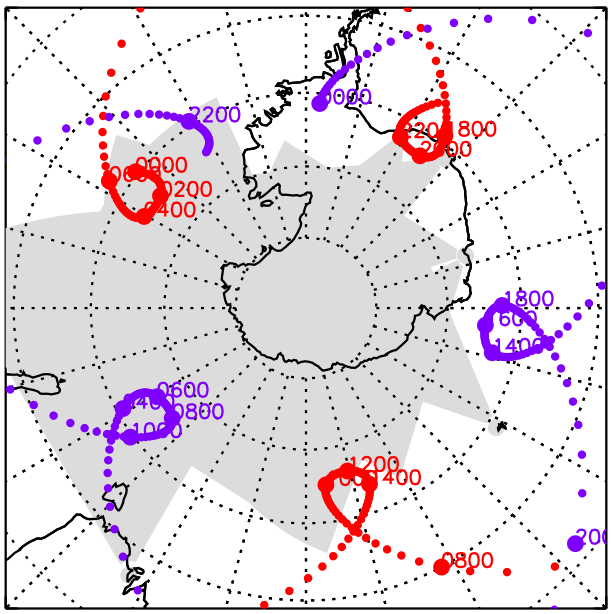


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

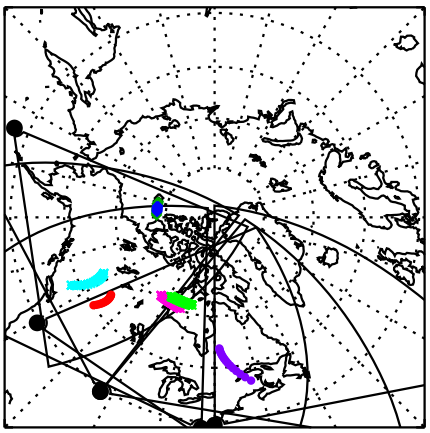
19–Apr–2017

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

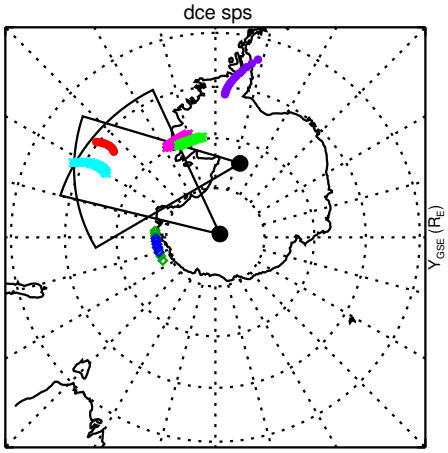


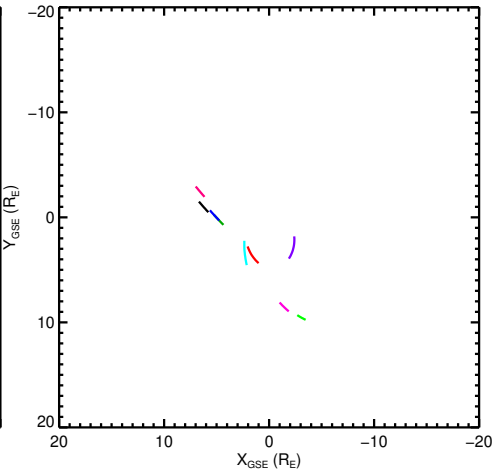


(a) 0000UT to 0115UT
ade bks cve fhe fhw wal

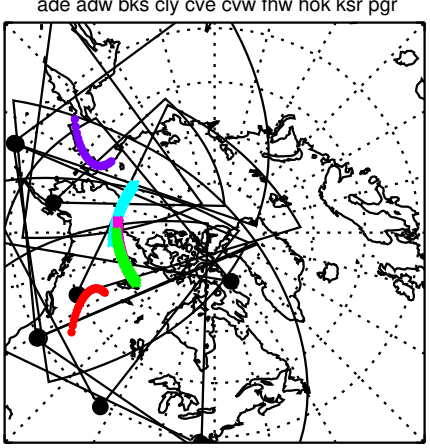


dce sps

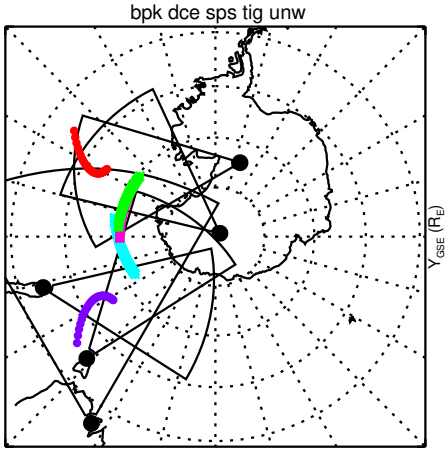


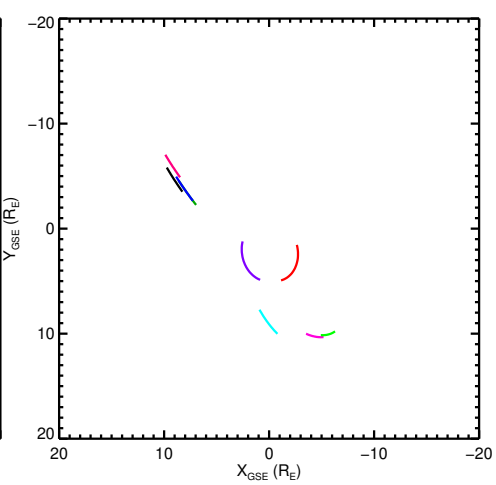


(b) 0320UT to 0615UT
ade adw bks cly cve cvw fhw hok ksr pgr

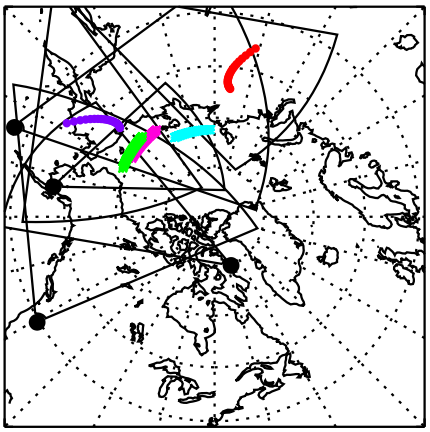


bpk dce sps tig unw

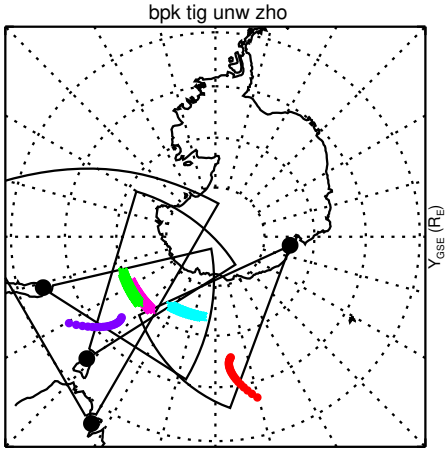


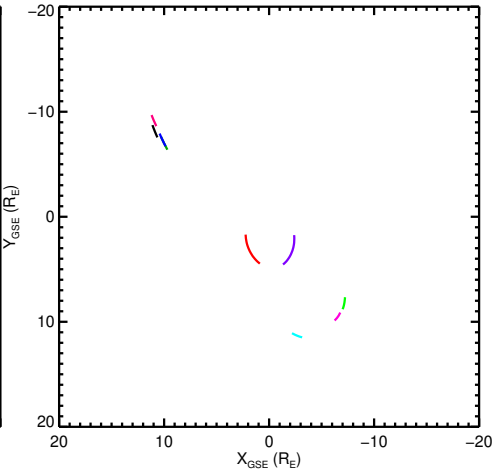


(c) 0825UT to 1020UT
adw cly cvw hkw hok ksr

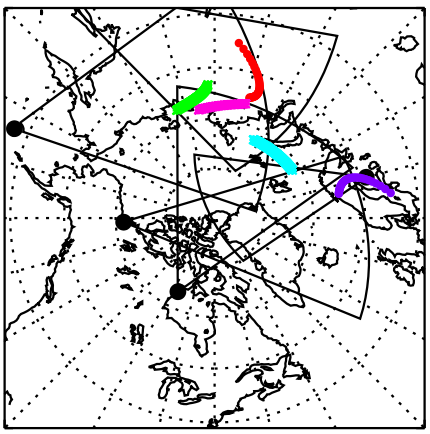


bpk tig unw zho

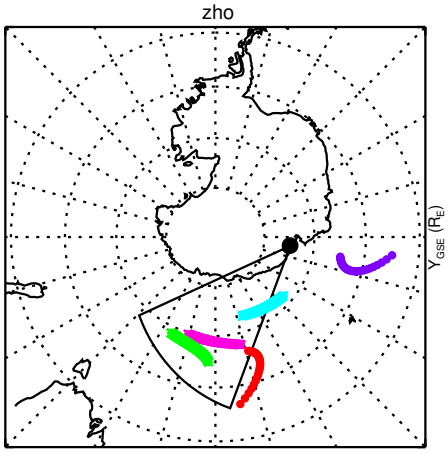


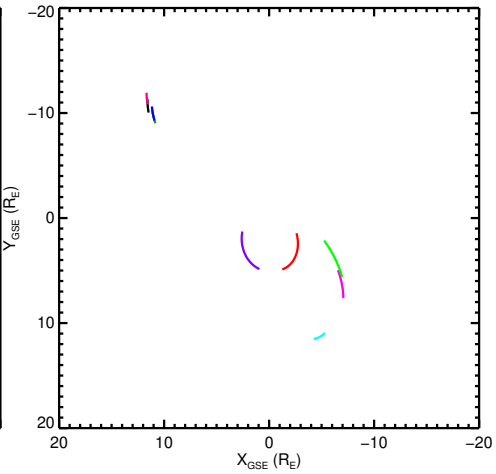


(d) 1225UT to 1515UT
adw han hkw inv rkn

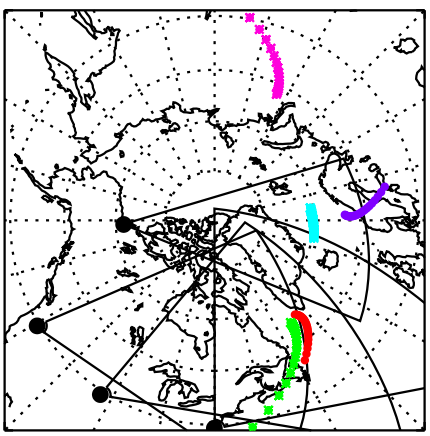


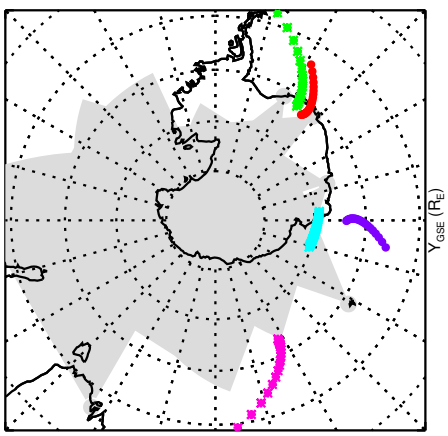
zho

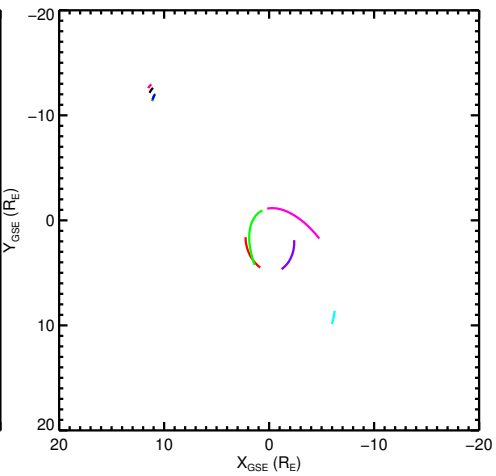




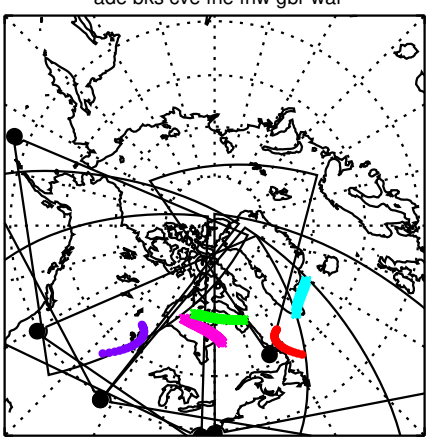
(e) 1720UT to 1920UT
cve fhe inv wal



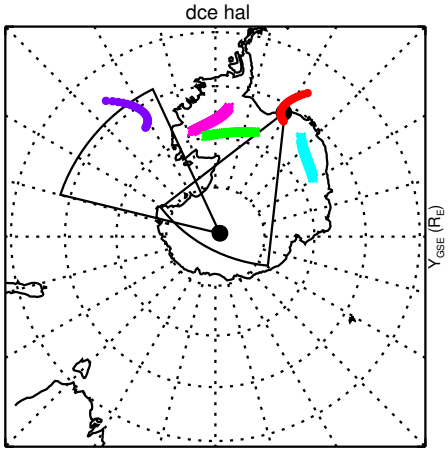


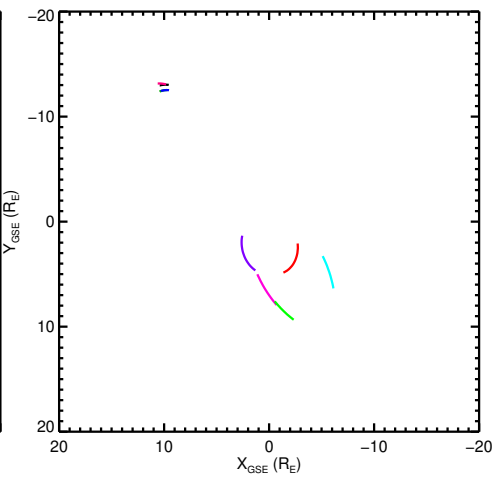


(f) 2130UT to 2355UT
ade bks cve fhe fhw gbr wal



dce hal

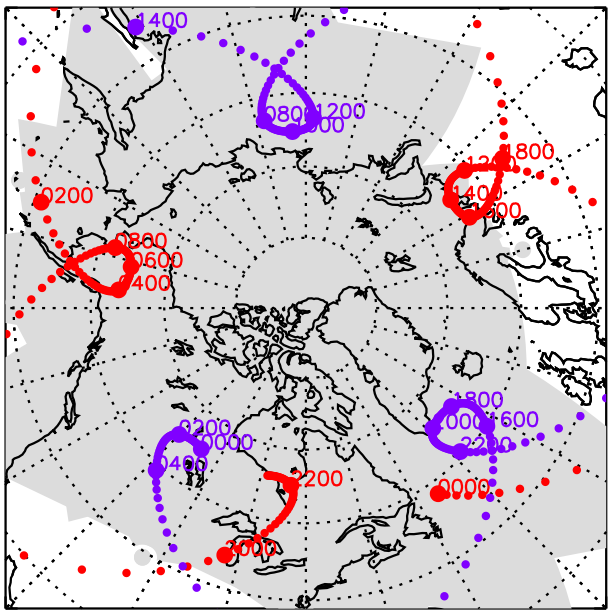




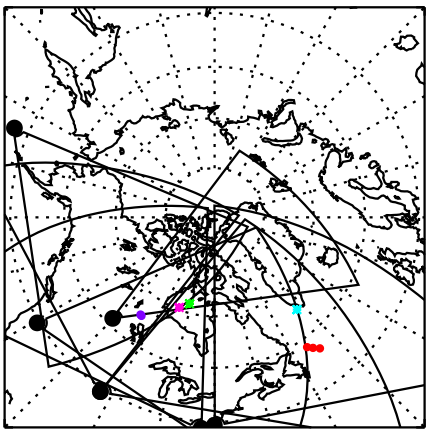
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

20–Apr–2017

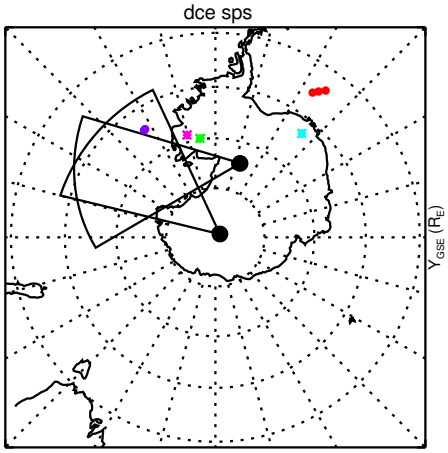
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

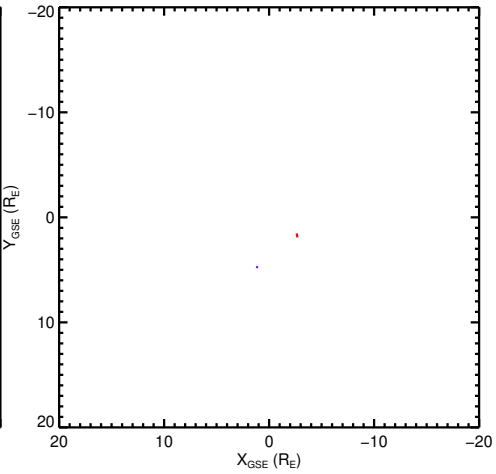


(a) 0000UT to 0010UT
ade bks cve fhe fhw sas wal

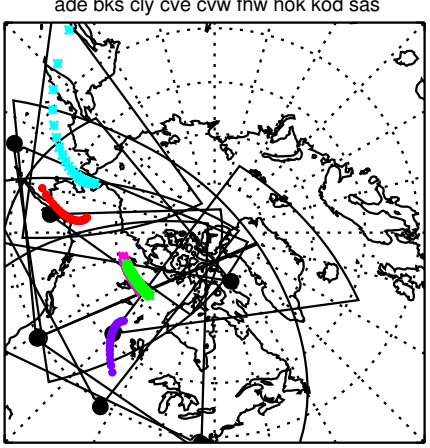


dce sps

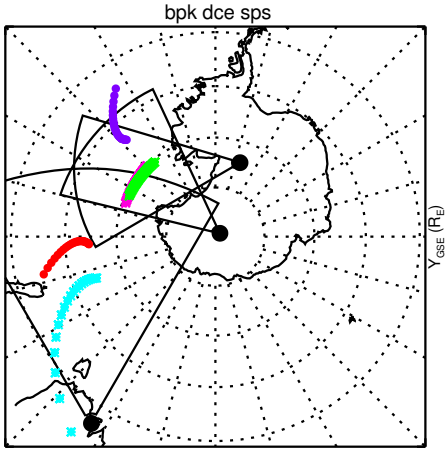


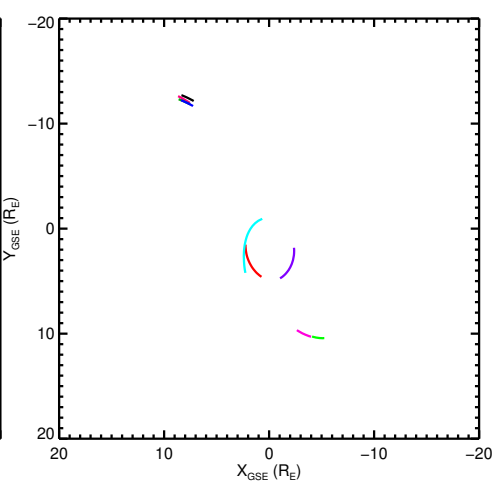


(b) 0215UT to 0425UT
ade bks cly cve cvw fhw hok kod sas

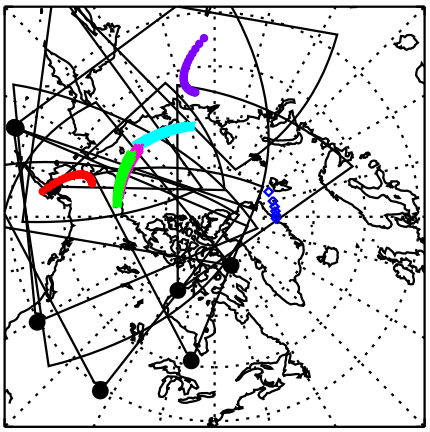


bpk dce sps

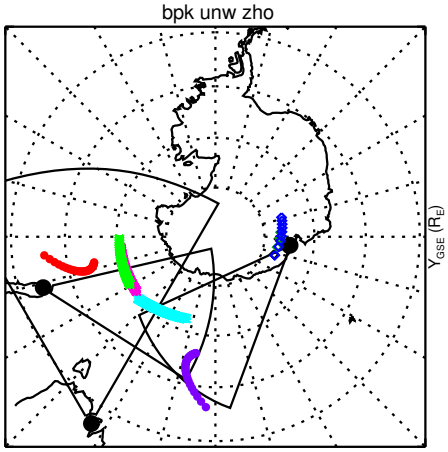


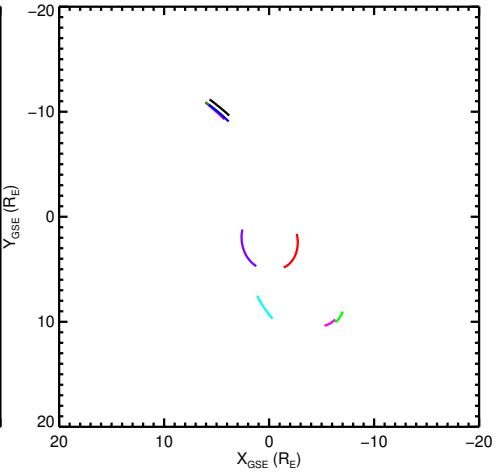


(c) 0630UT to 0905UT
ade adw cly cvw fhw hkw hok kap ksr rkn

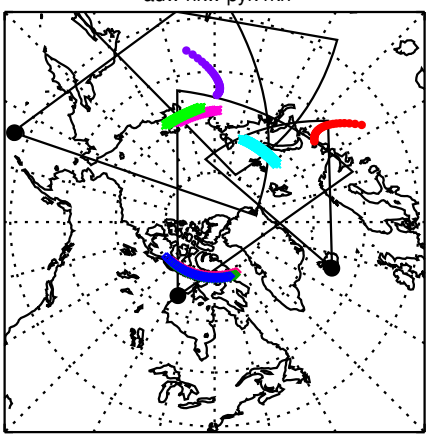


bpk unw zho

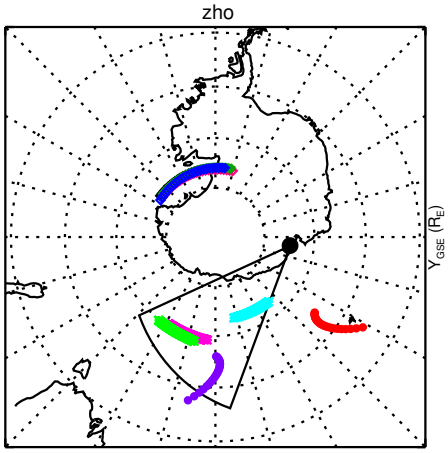


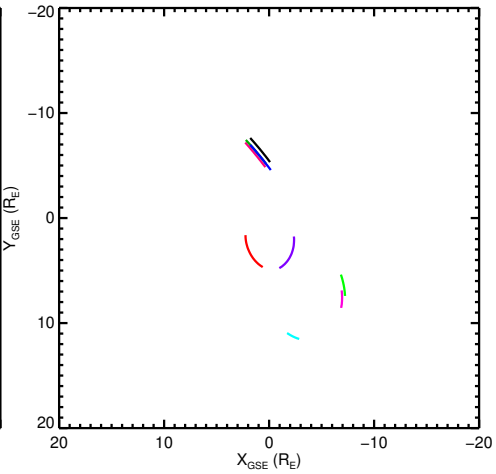


(d) 1115UT to 1330UT
adw hkw pyk rkn

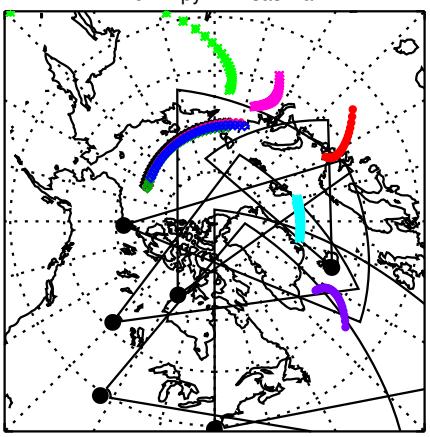


zho

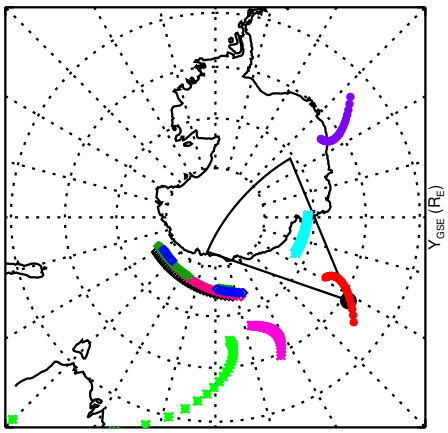


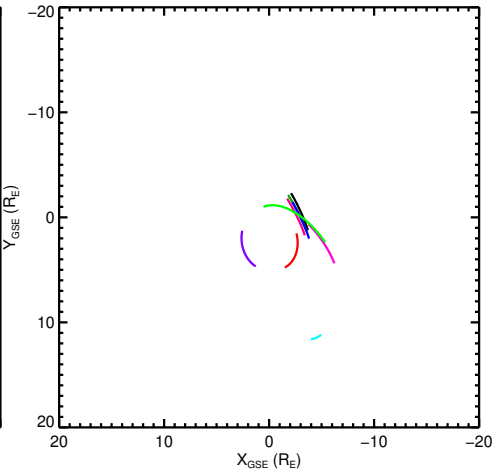


(e) 1535UT to 1805UT
fhe inv pyk rkn sas wal

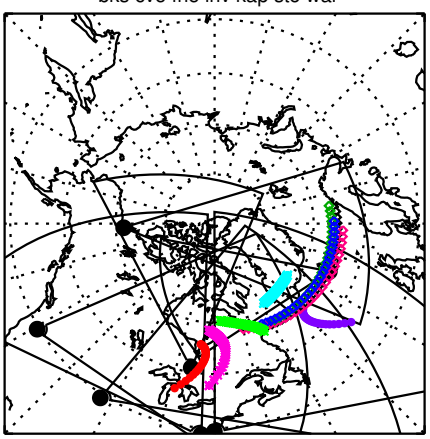


ker

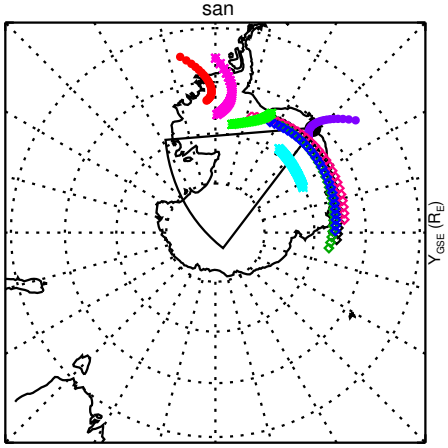


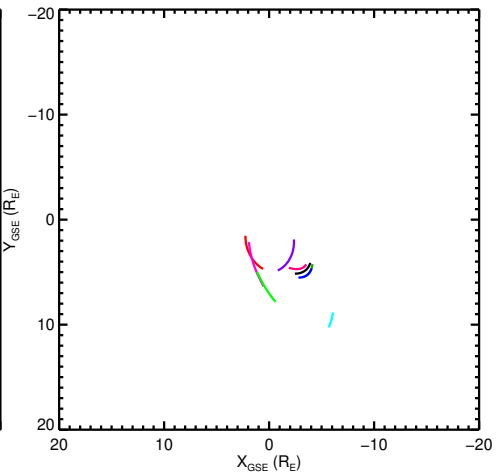


(f) 2010UT to 2230UT
bks cve fhe inv kap sto wal



san

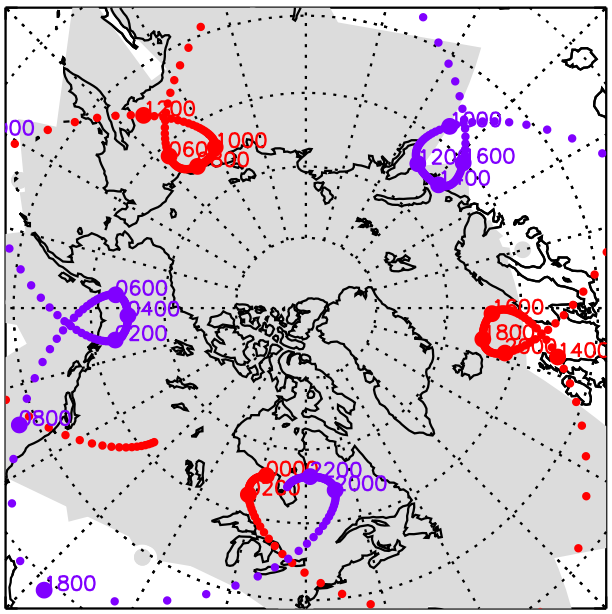


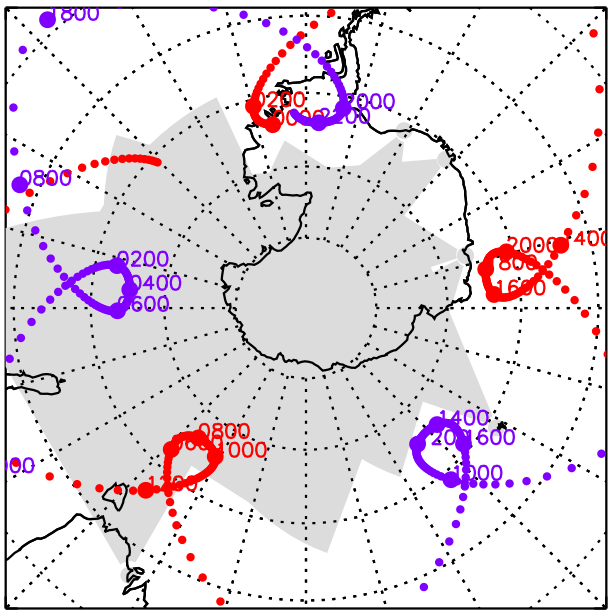


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

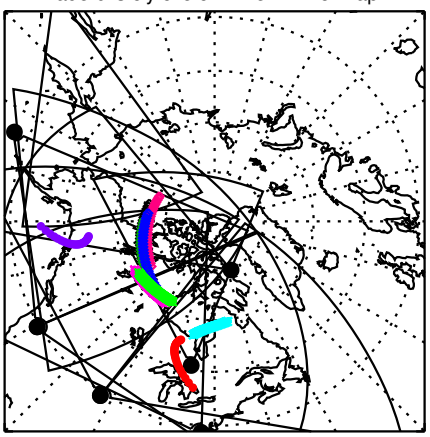
21−Apr−2017

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

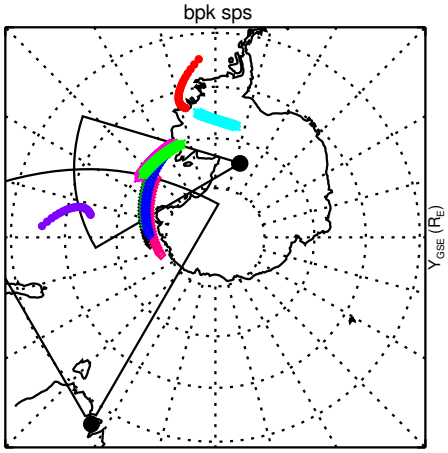


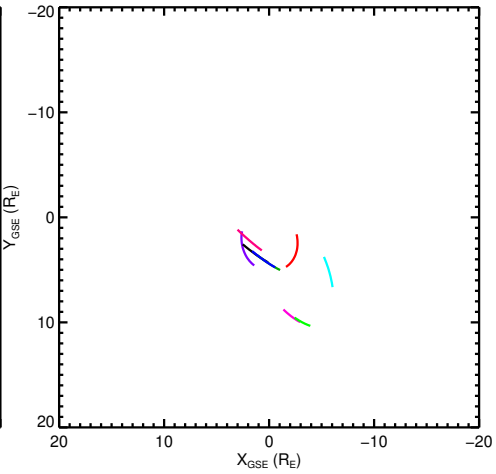


(a) 0040UT to 0300UT
ade bks cly cve cvw fhe fhw hok kap

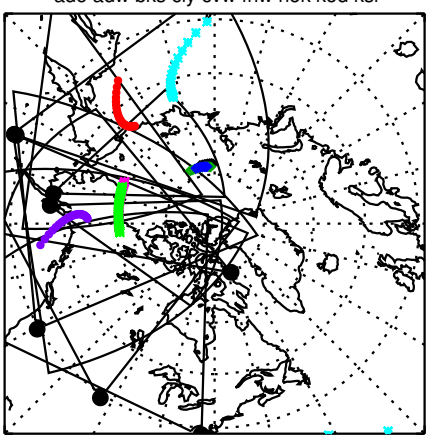


bpk sps

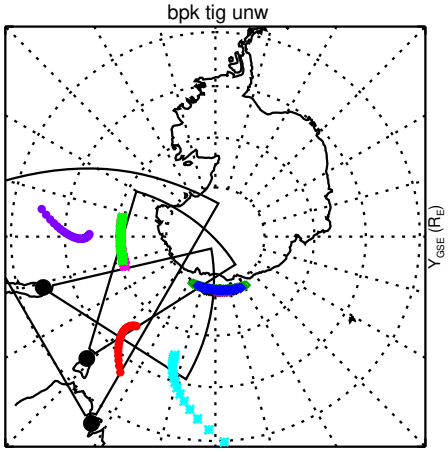


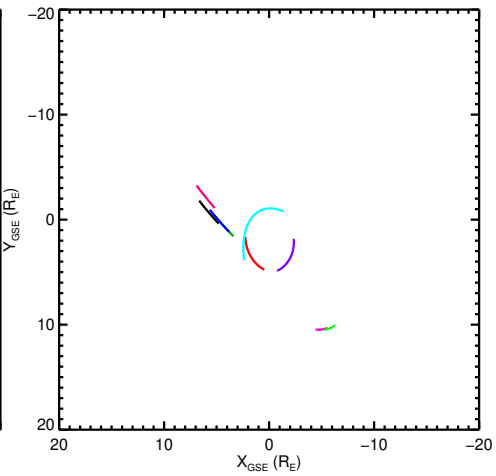


(b) 0510UT to 0735UT
ade adw bks cly cvw fhw hok kod ksr



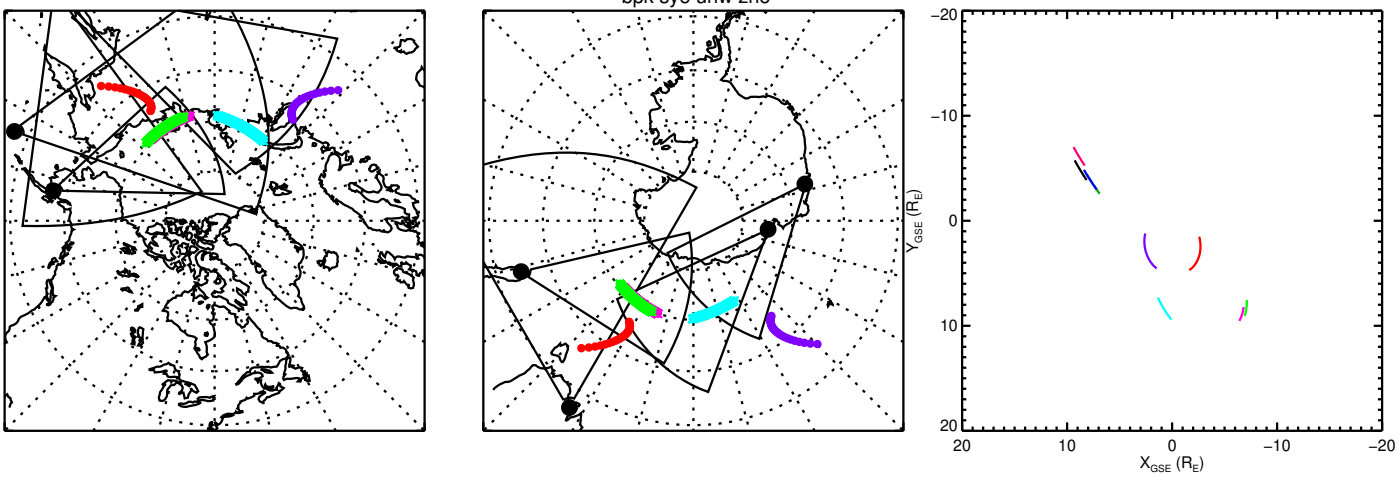
bpk tig unw



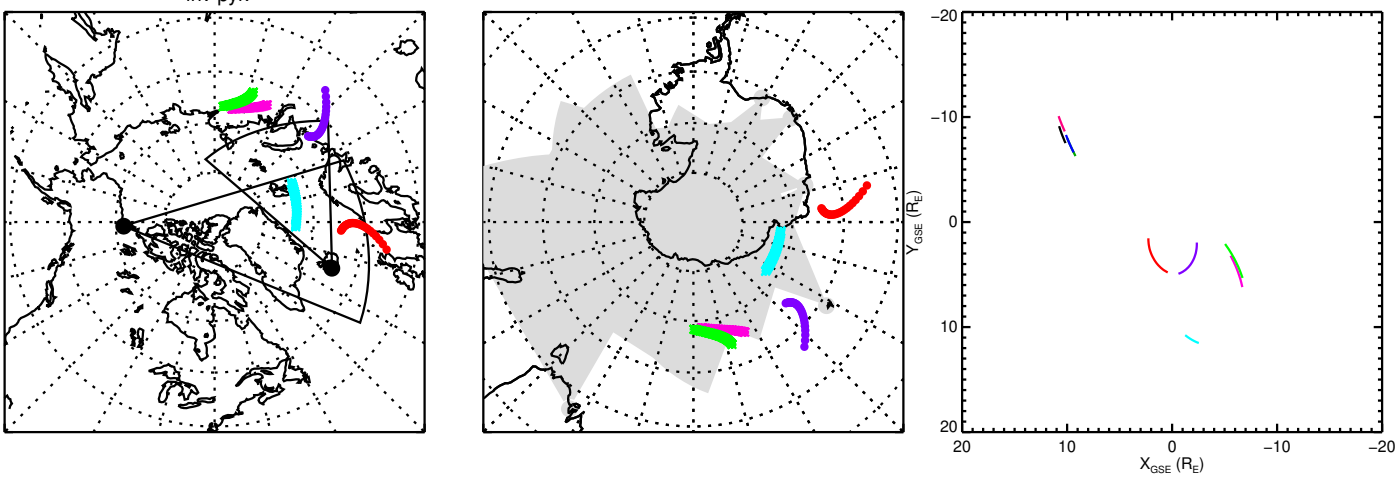


(c) 0940UT to 1200UT
adw hkw hok ksr

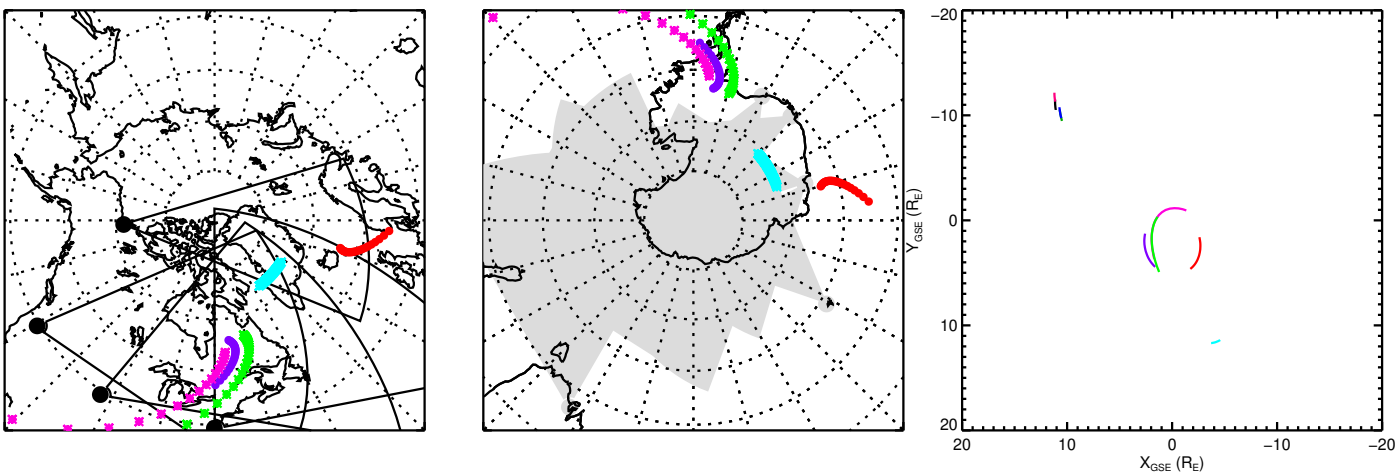
bpk sye unw zho



(d) 1405UT to 1635UT
inv pyk

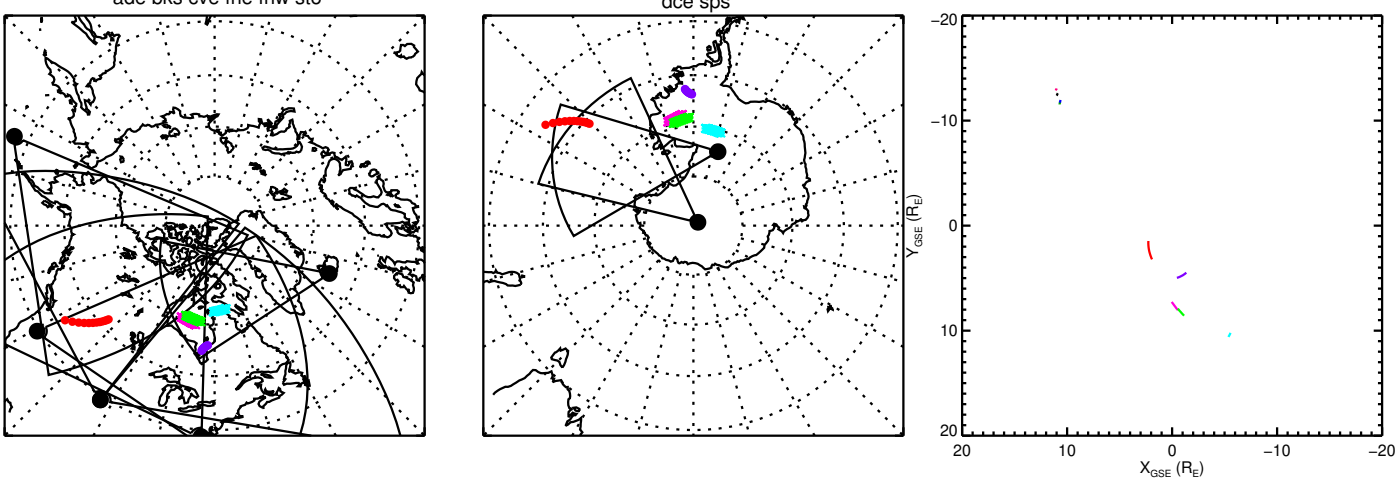


(e) 1845UT to 2055UT
cve fhe inv wal



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

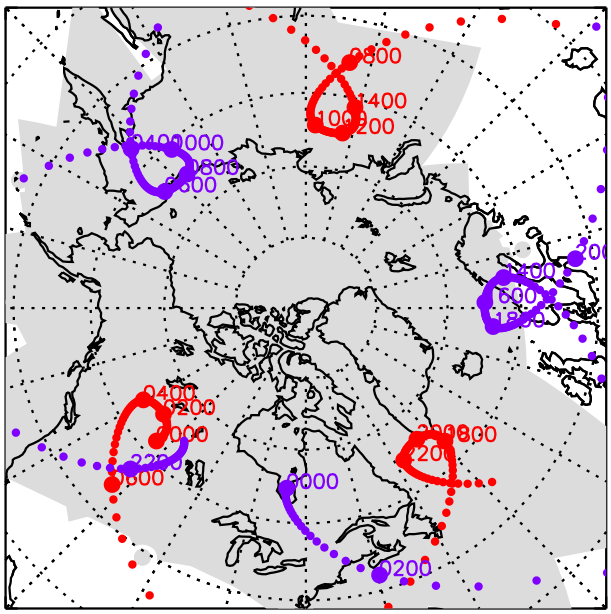
dce sps

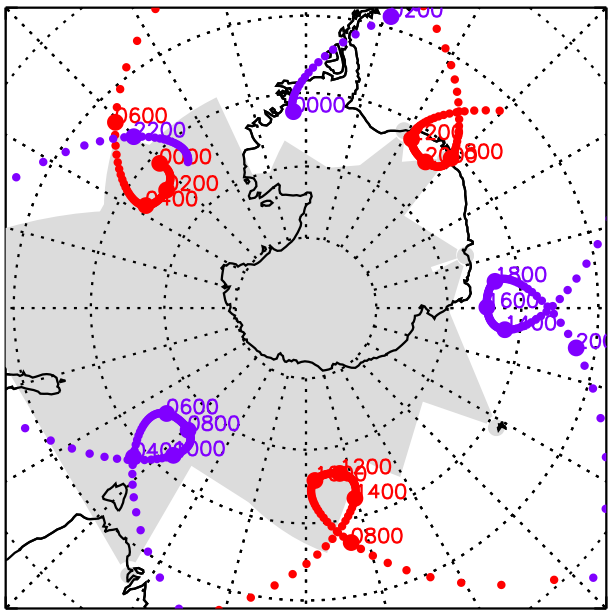


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

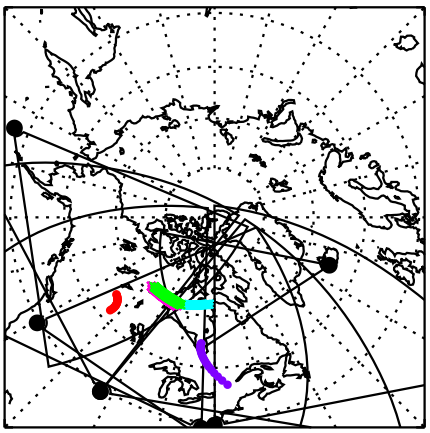
22−Apr−2017

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

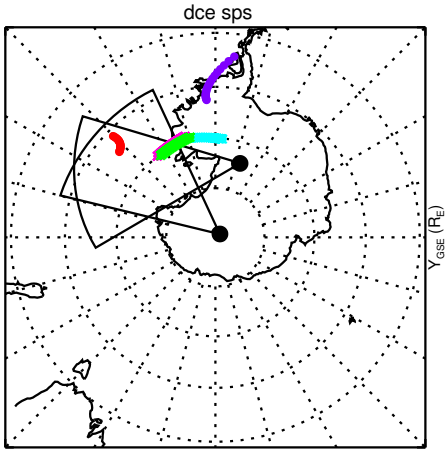


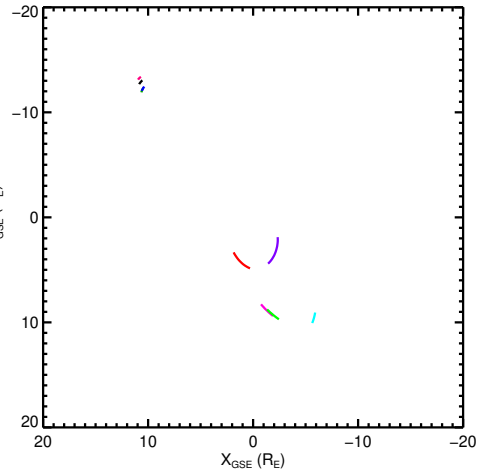


(a) 0000UT to 0140UT
ade bks cve fhe fhw sto wal

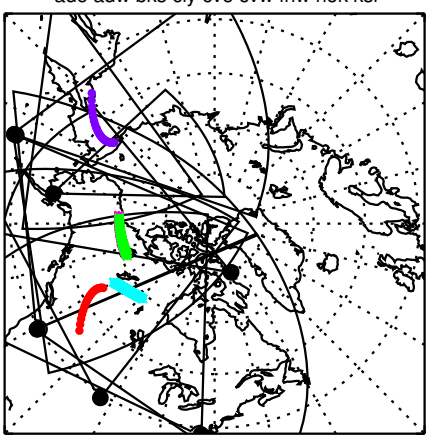


dce sps

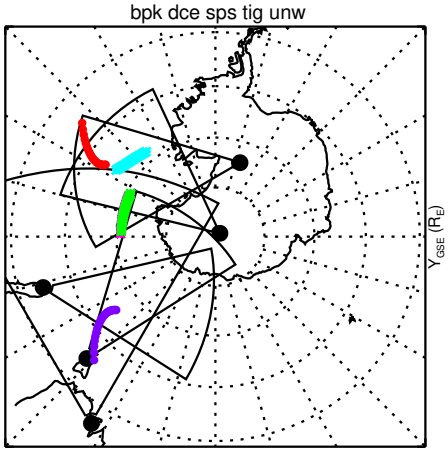


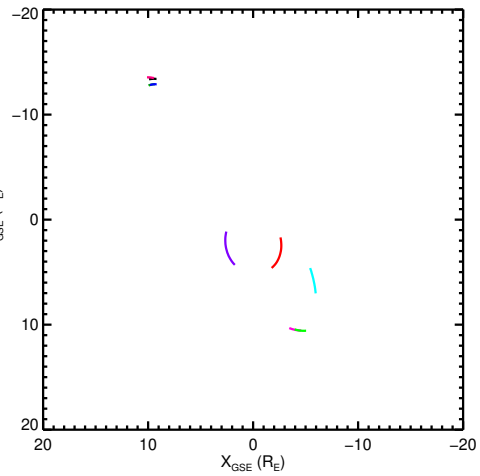


(b) 0345UT to 0550UT
ade adw bks cly cve cvw fhw hok ksr

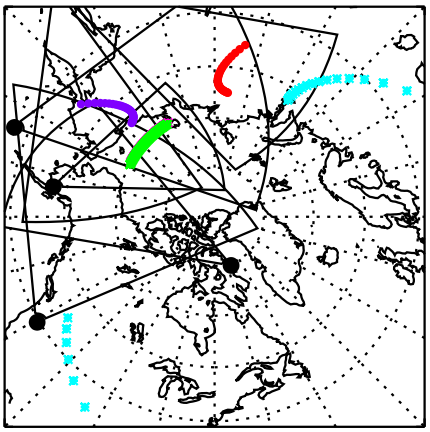


bpk dce sps tig unw

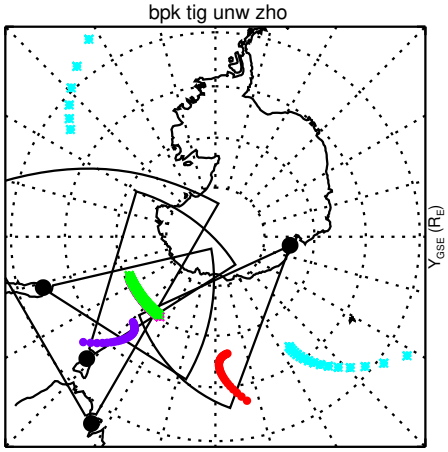


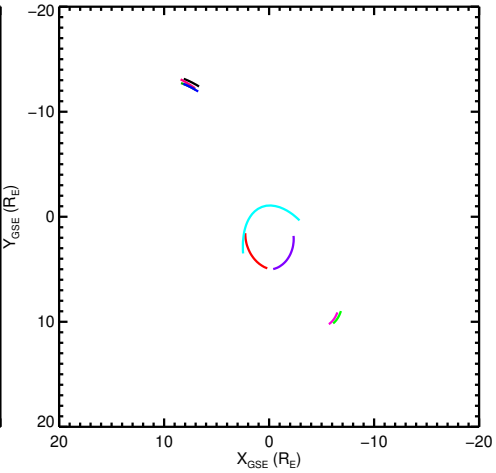


(c) 0800UT to 1045UT
adw cly cvw hkw hok ksr

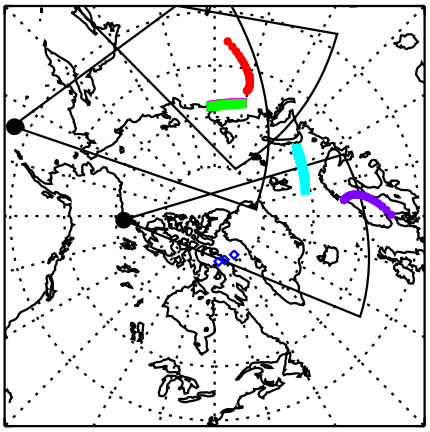


bpk tig unw zho

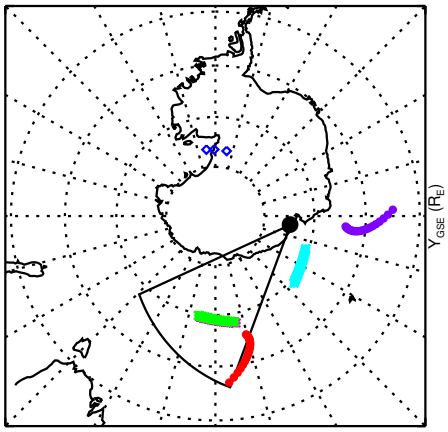


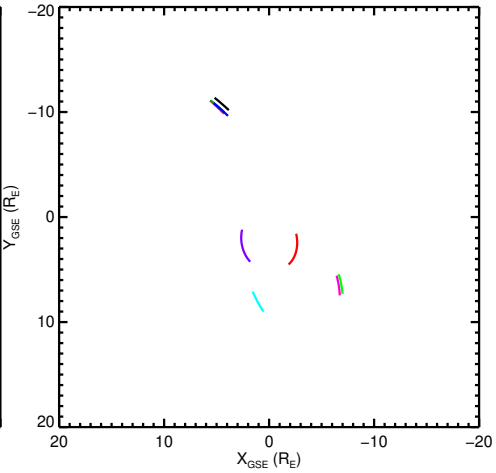


(d) 1250UT to 1450UT
adw hkw inv

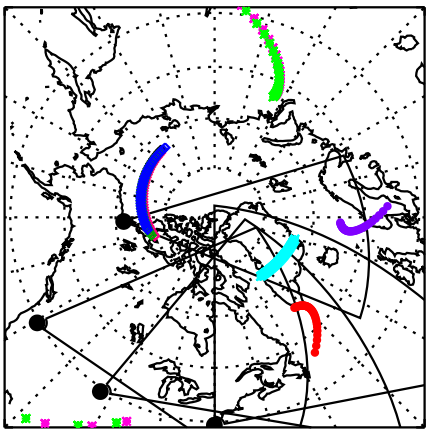


zho

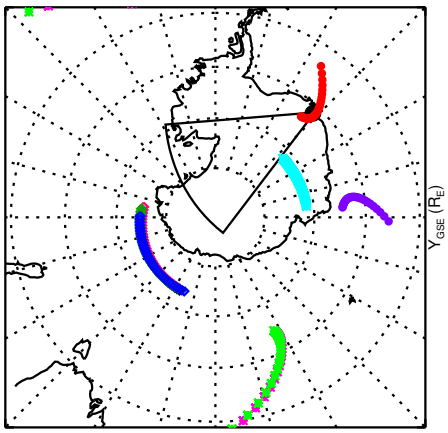


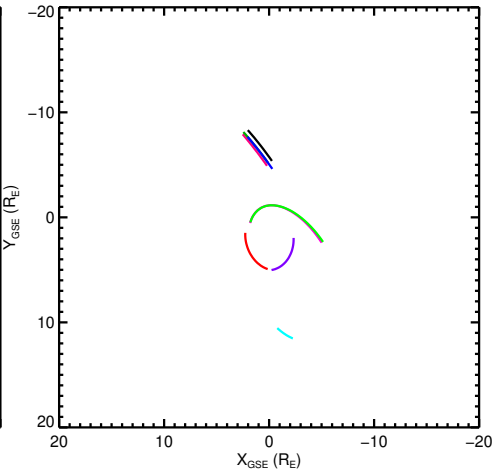


(e) 1655UT to 1945UT
cve fhe inv wal

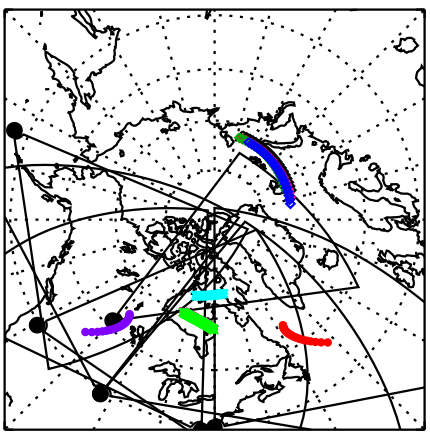


san

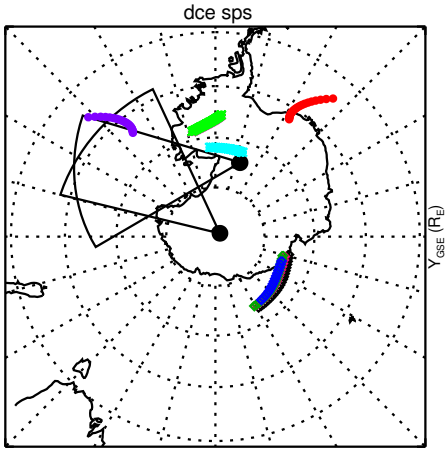


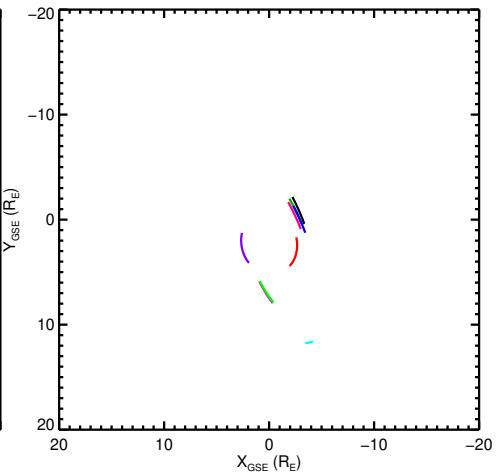


(f) 2155UT to 2345UT
ade bks cve fhe fhw sas wal



dce sps

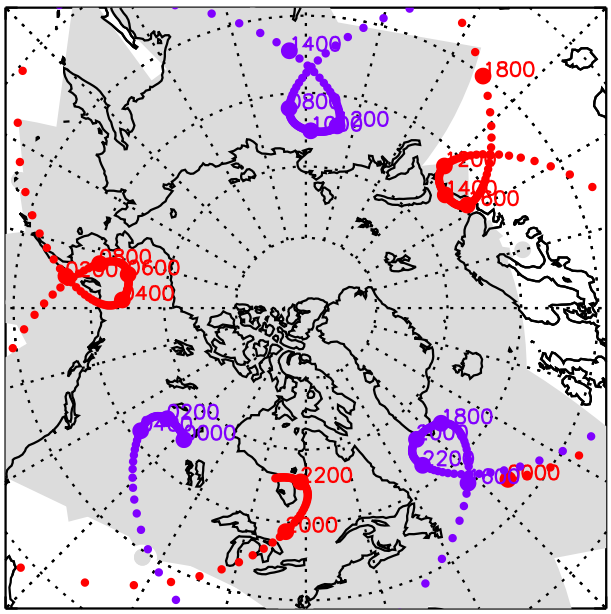


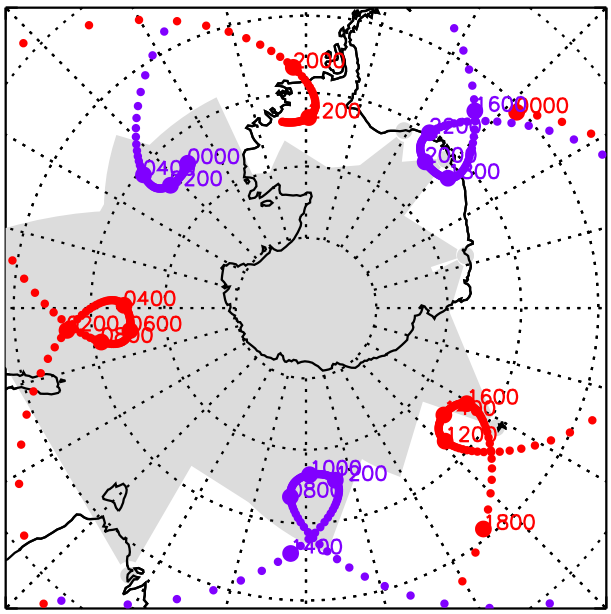


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

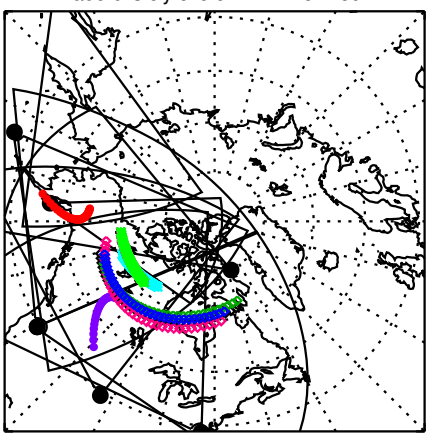
23–Apr–2017

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

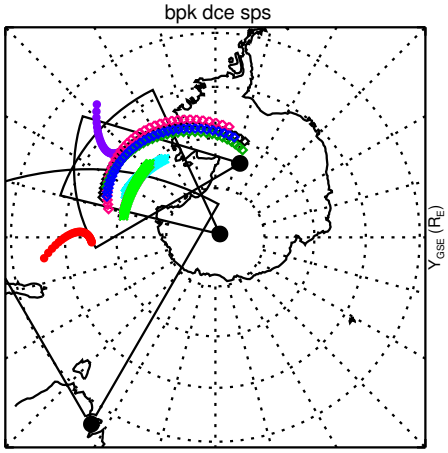


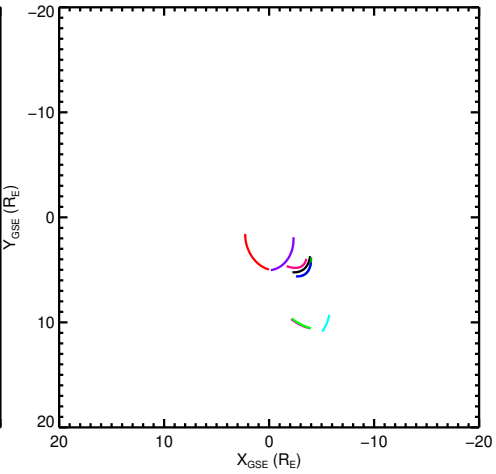


(a) 0155UT to 0450UT
ade bks cly cve cvw fhw hok kod

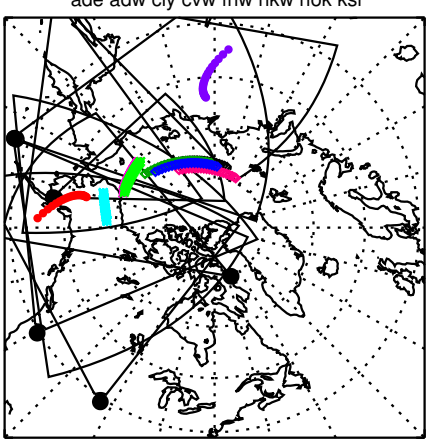


bpk dce sps

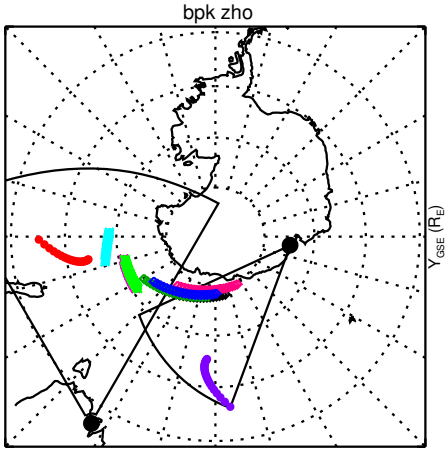


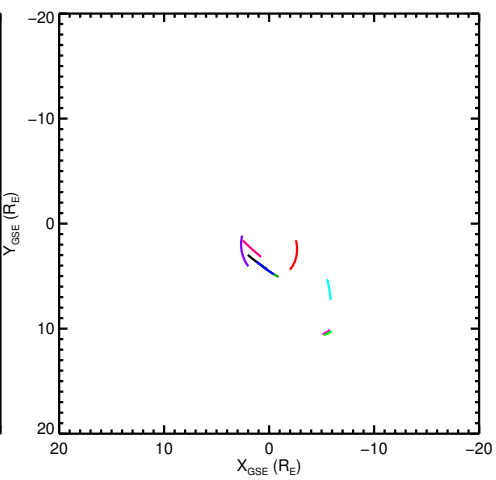


(b) 0655UT to 0845UT
ade adw cly cvw fhw hkw hok ksr

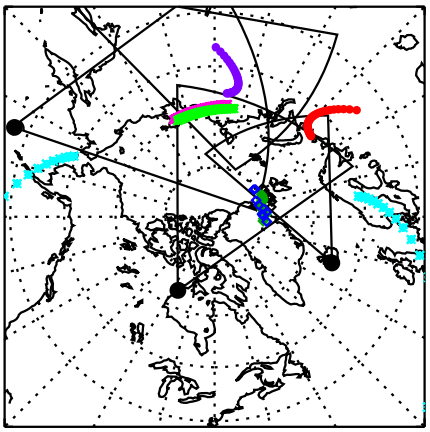


bpk zho

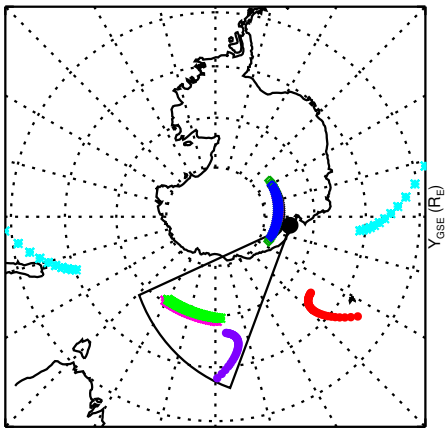


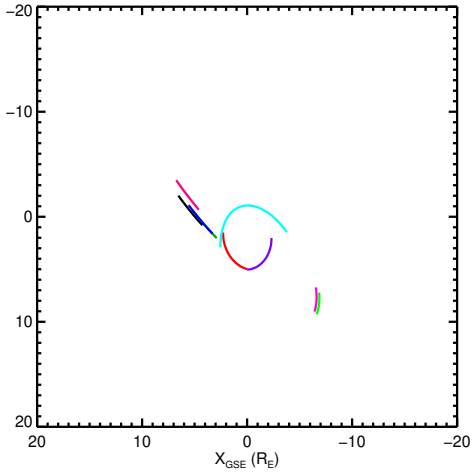


(c) 1050UT to 1350UT
adw hkw pyk rkn

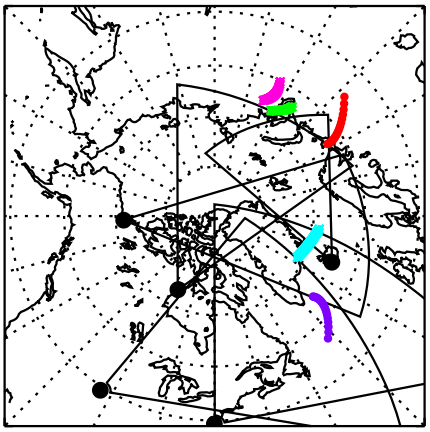


zho

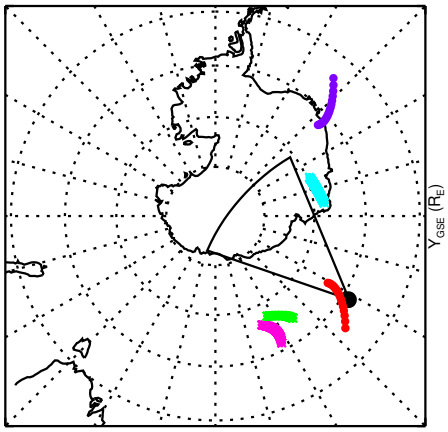


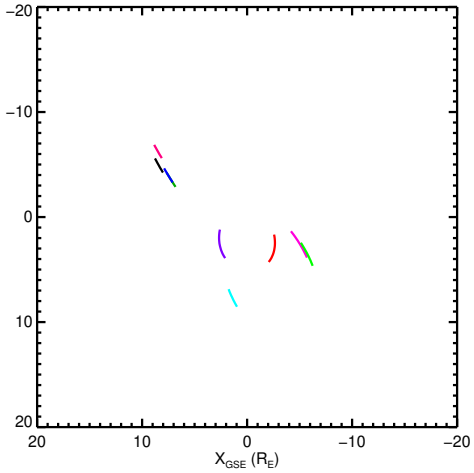


(d) 1600UT to 1740UT
fhe inv pyk rkn wal

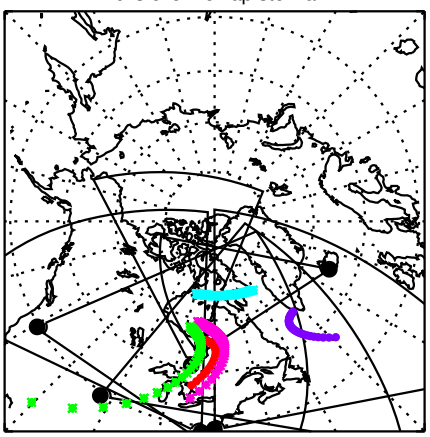


ker

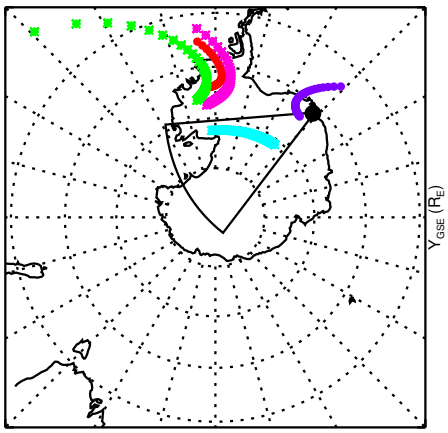


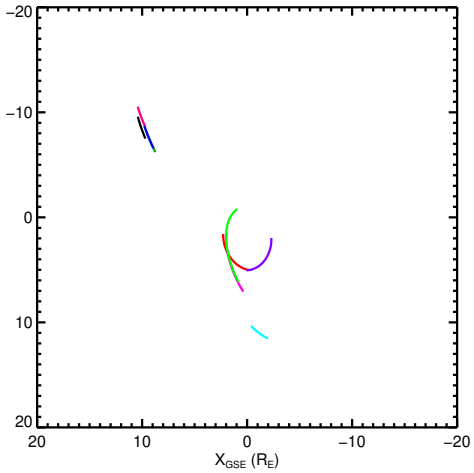


(e) 1950UT to 2255UT
bks cve fhe kap sto wal



san

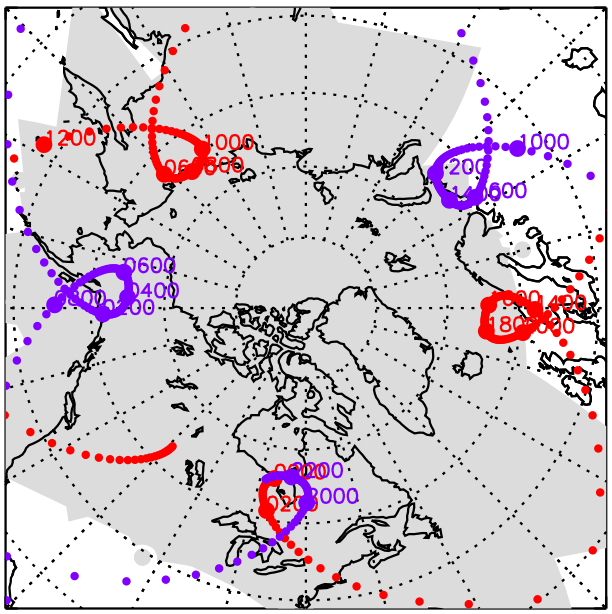


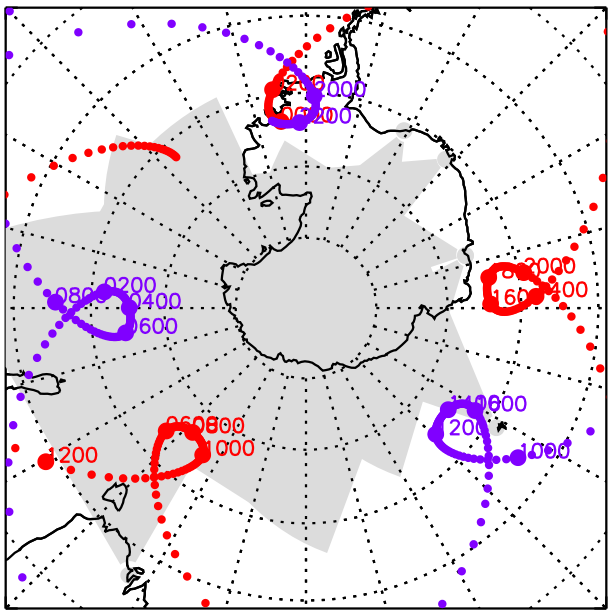


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

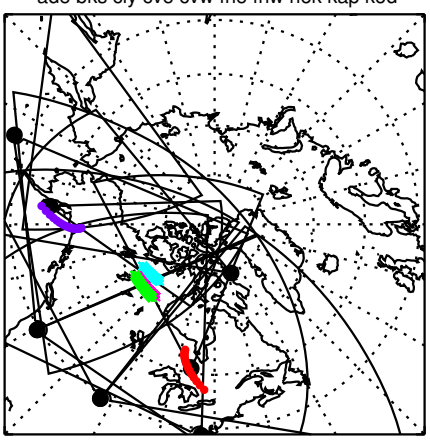
24−Apr−2017

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

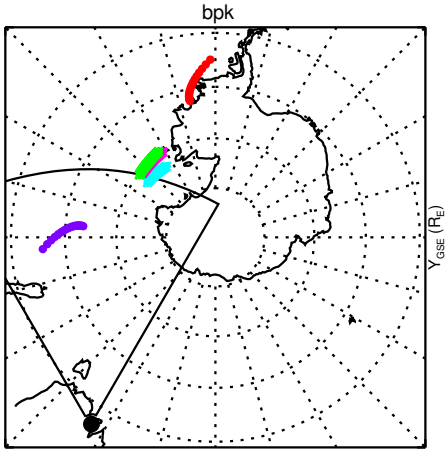


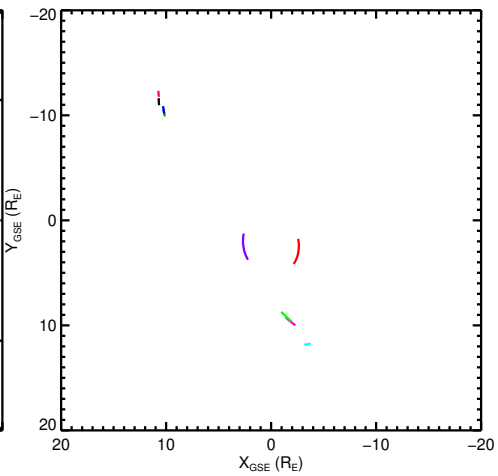


(a) 0105UT to 0235UT
ade bks cly cve cvw fhe fhw hok kap kod

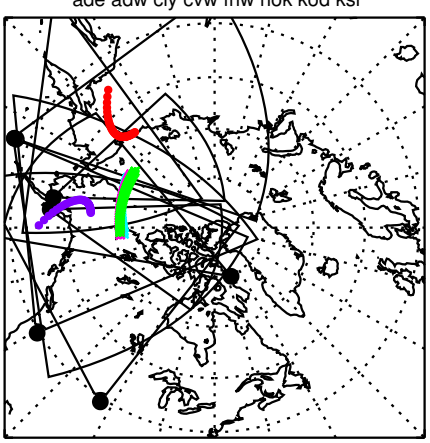


bpk

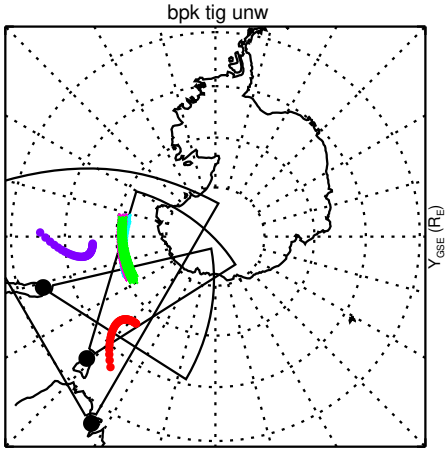


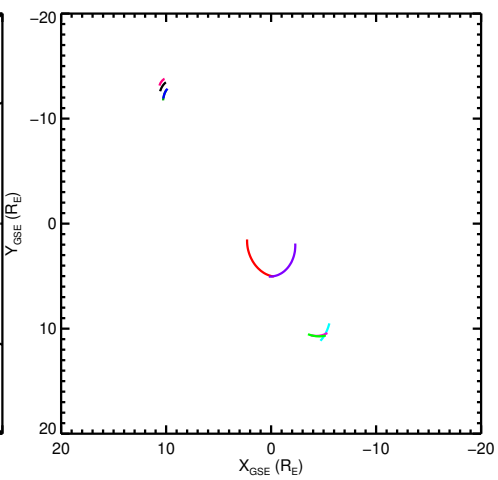


(b) 0445UT to 0800UT
ade adw cly cvw fhw hok kod ksr

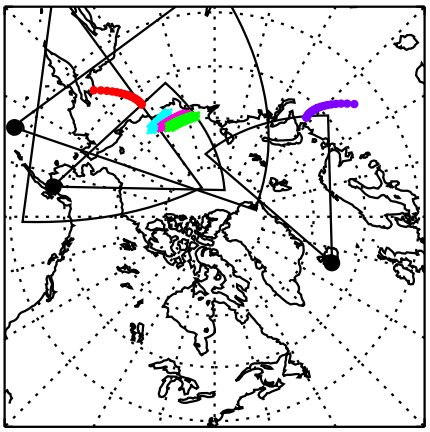


bpk tig unw

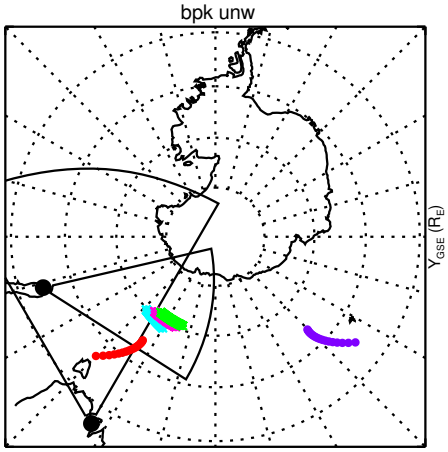


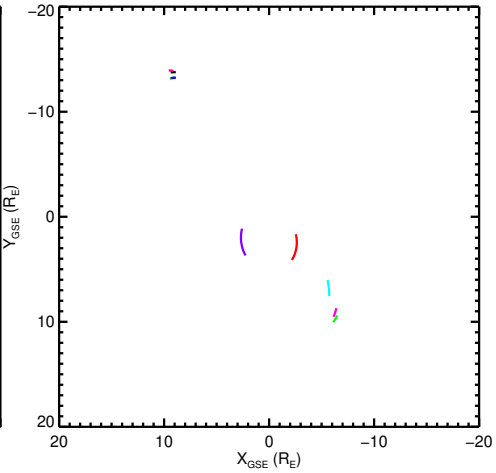


(c) 1005UT to 1135UT
adw hok ksr pyk

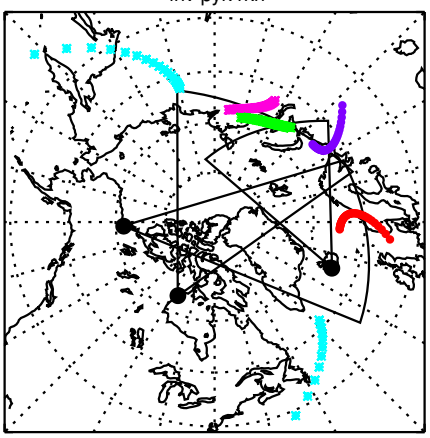


bpk unw

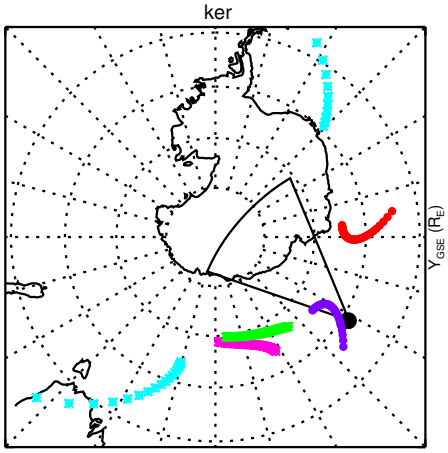


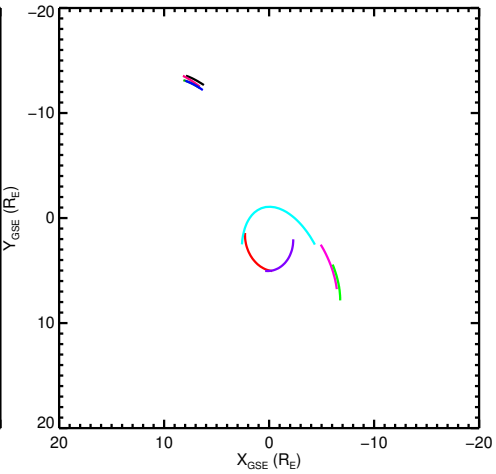


(d) 1340UT to 1700UT
inv pyk rkn

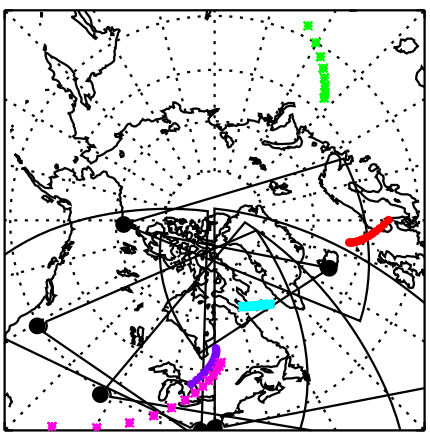


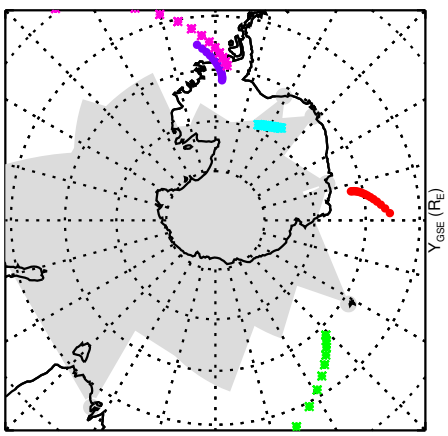
ker

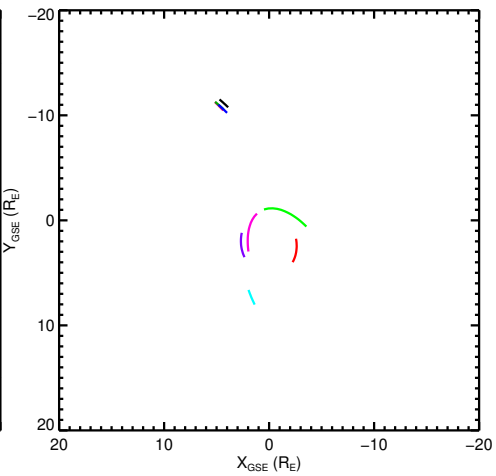




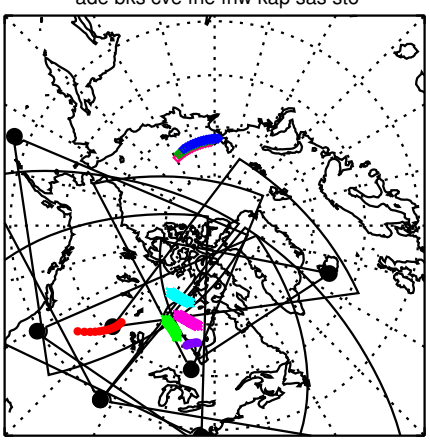
(e) 1910UT to 2030UT
bks cve fhe inv sto wal



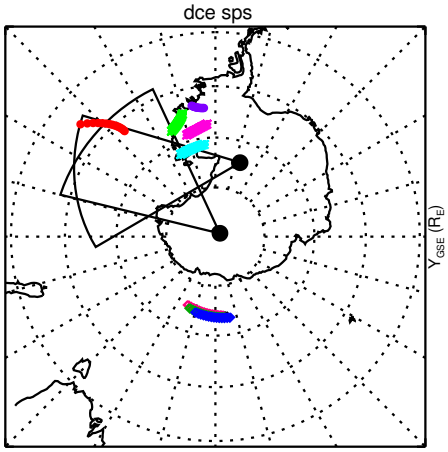


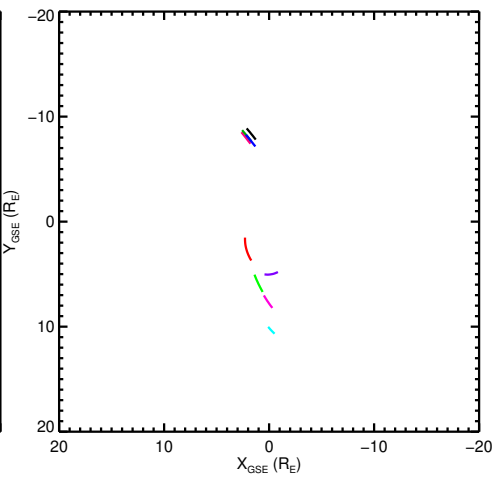


(f) 2240UT to 2355UT
ade bks cve fhe fhw kap sas sto



dce sps

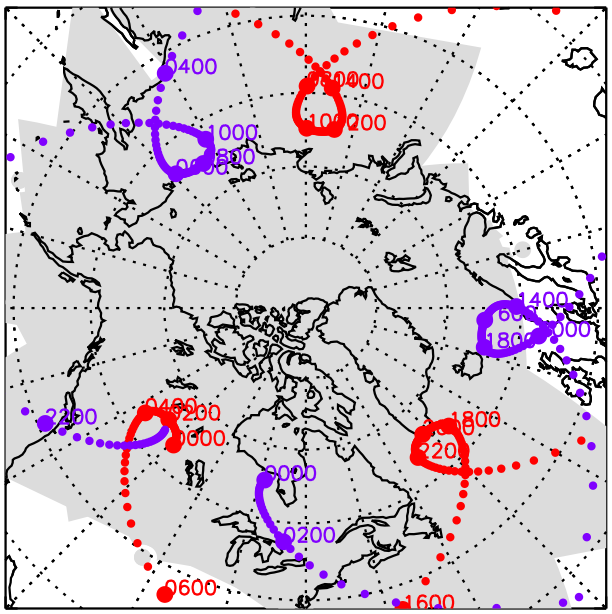


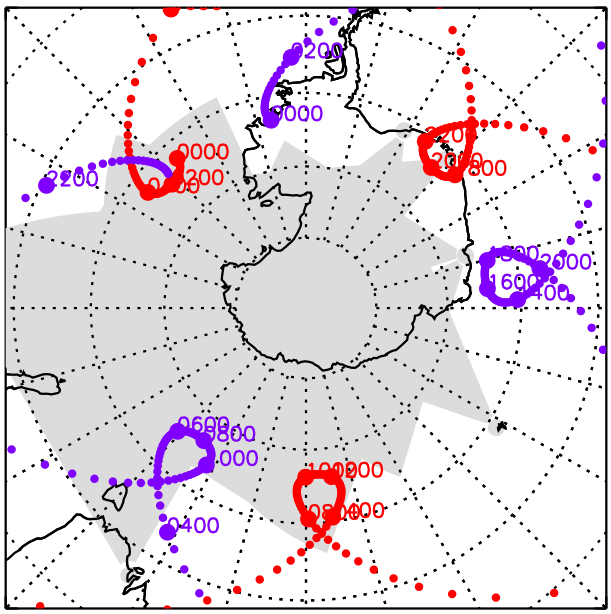


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

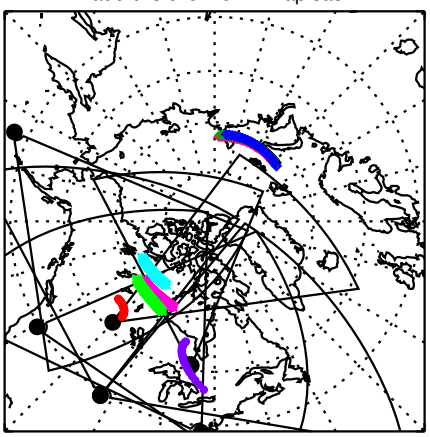
25–Apr–2017

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

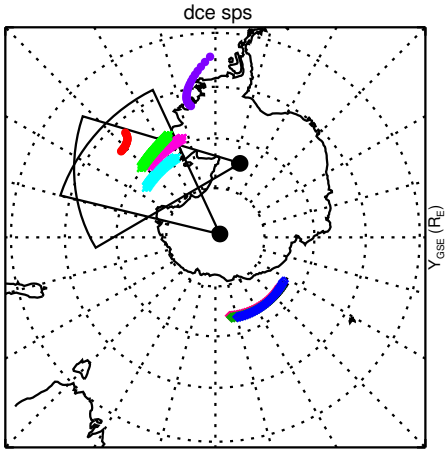


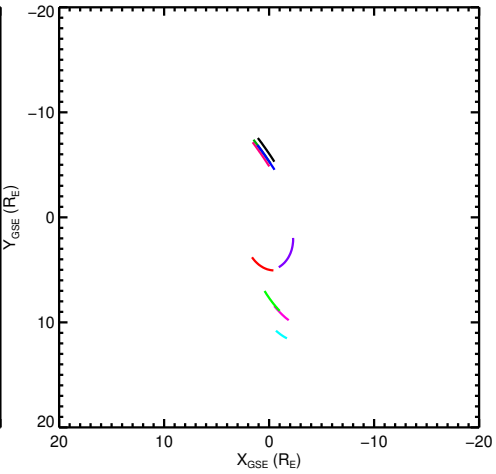


(a) 0000UT to 0205UT
ade bks cve fhe fhw kap sas

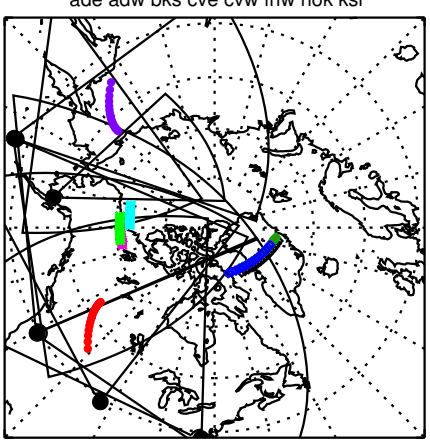


dce sps

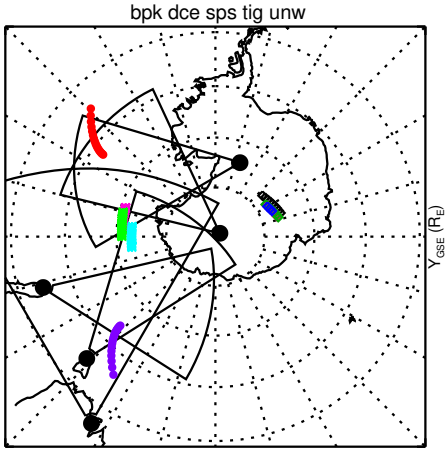


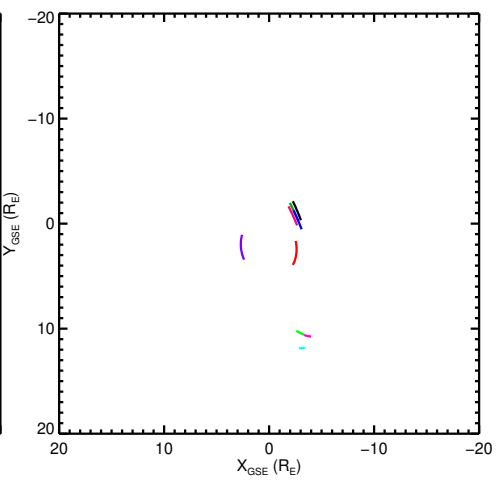


(b) 0410UT to 0530UT
ade adw bks cve cvw fhw hok ksr

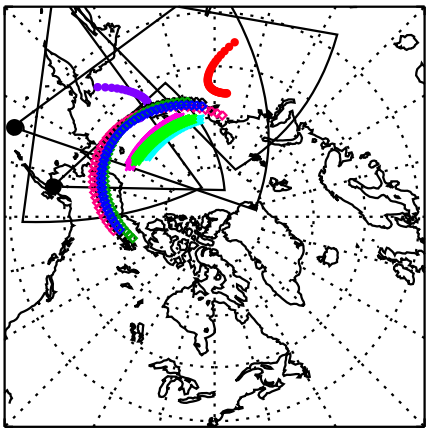


bpk dce sps tig unw

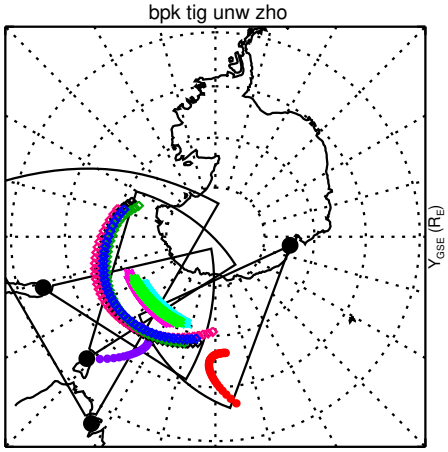


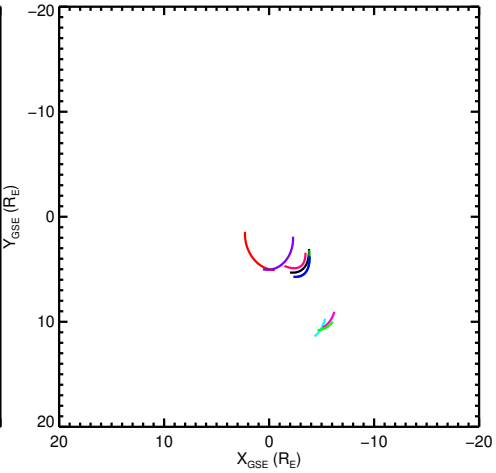


(c) 0735UT to 1110UT
adw hkw hok ksr

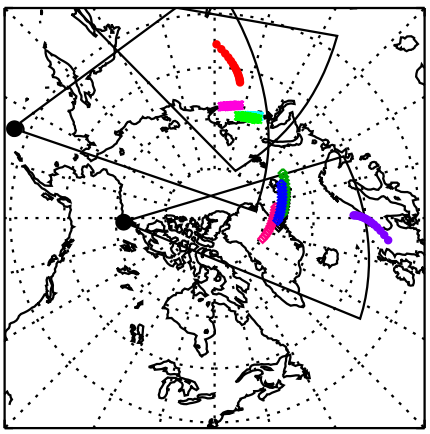


bpk tig unw zho

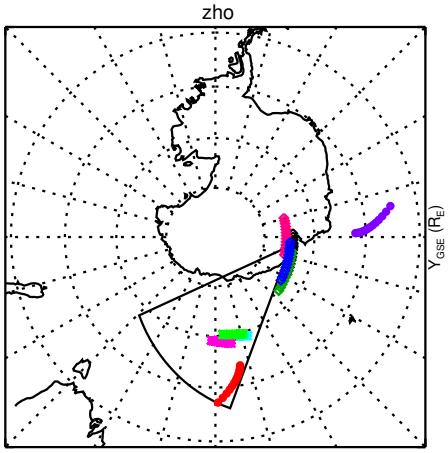


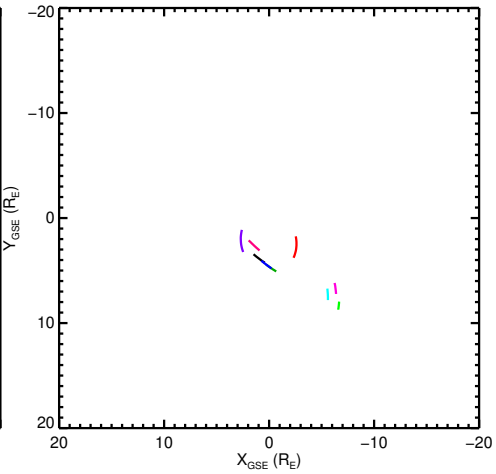


(d) 1315UT to 1425UT
adw hkw inv

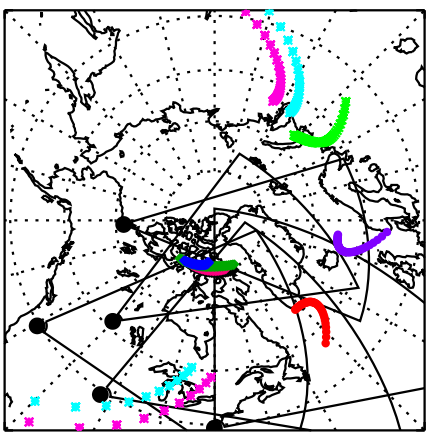


zho

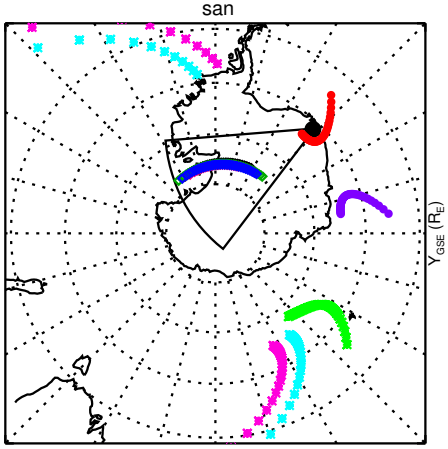


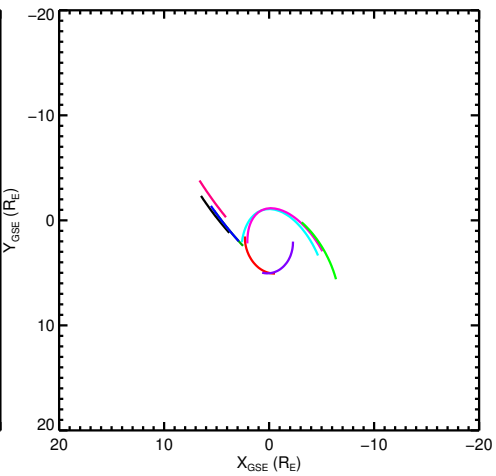


(e) 1635UT to 2010UT
cve fhe inv sas wal

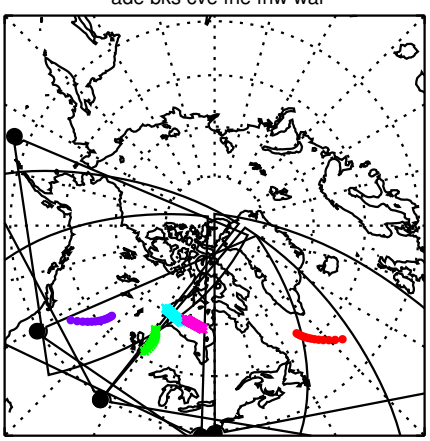


san

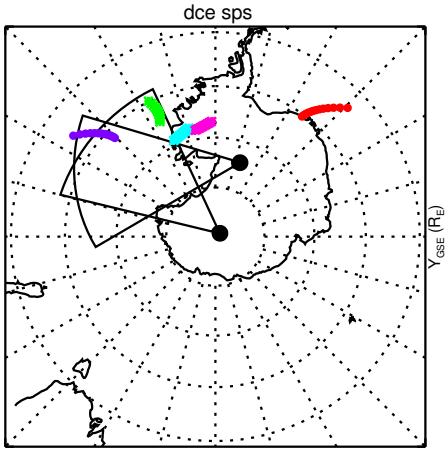


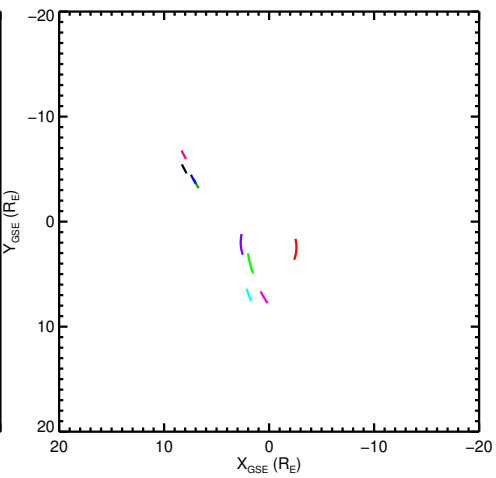


(f) 2220UT to 2325UT
ade bks cve fhe fhw wal



dce sps

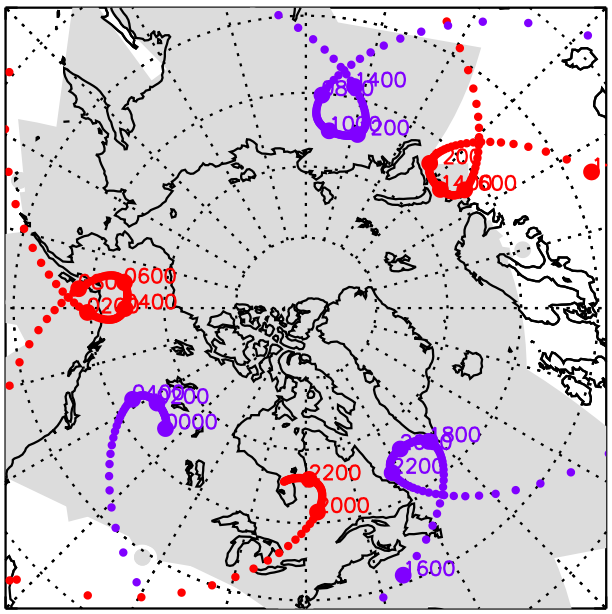


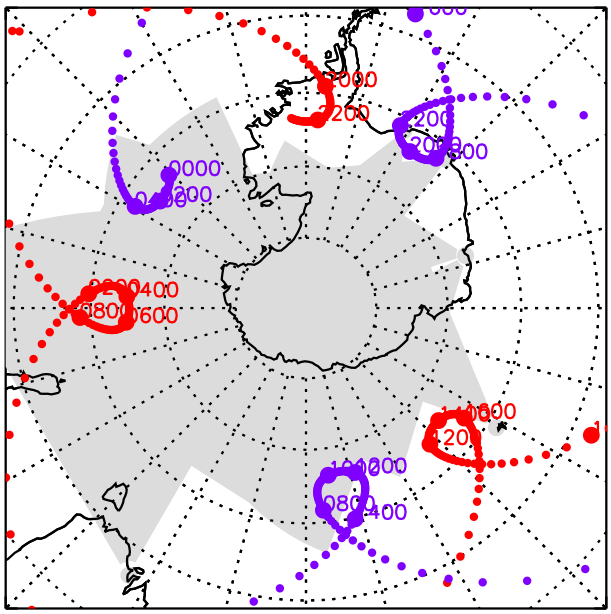


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

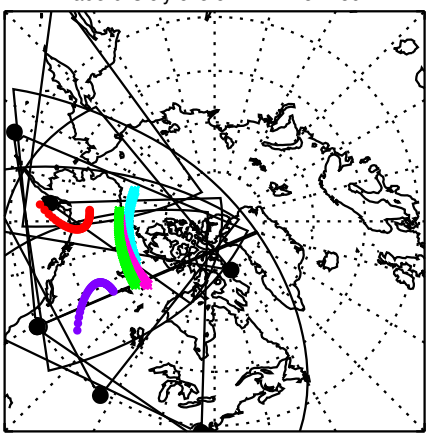
26–Apr–2017

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

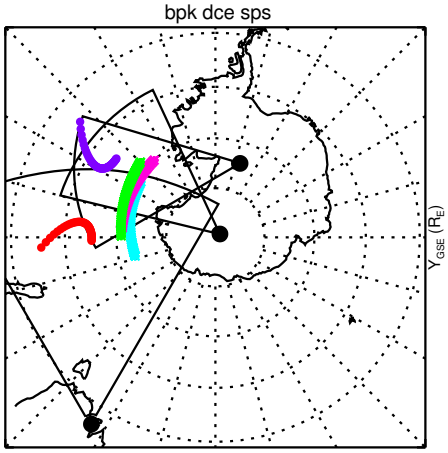


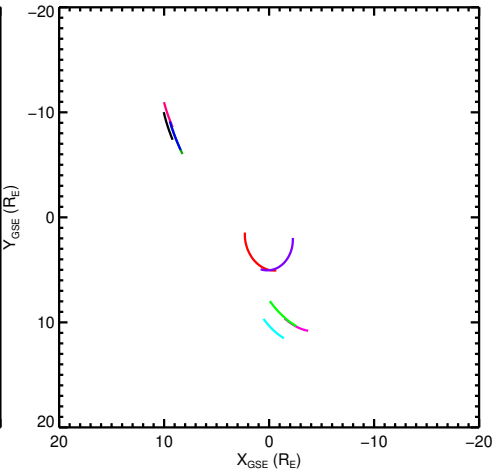


(a) 0130UT to 0515UT
ade bks cly cve cvw fhw hok kod

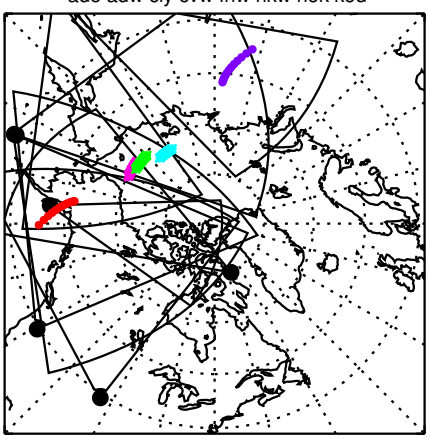


bpk dce sps

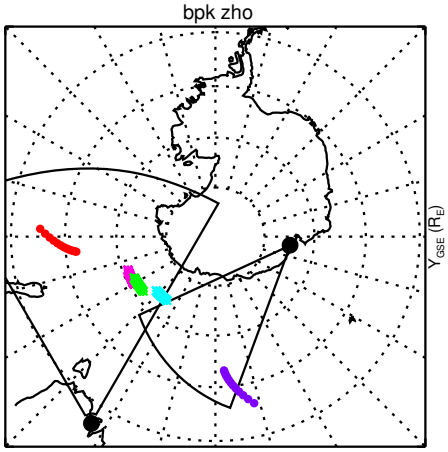


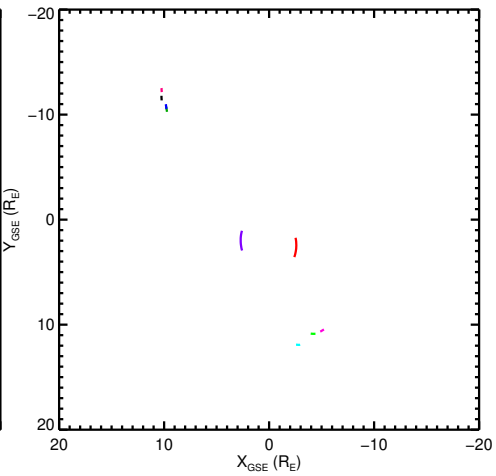


(b) 0720UT to 0820UT
ade adw cly cvw fhw hkw hok kod

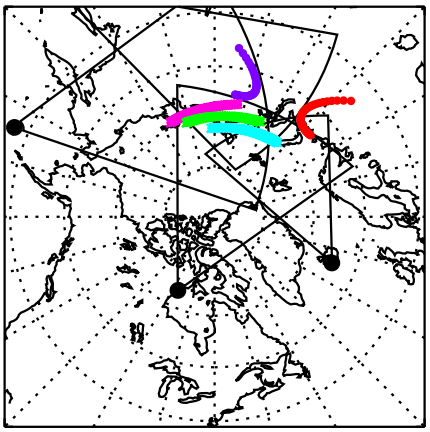


bpk zho

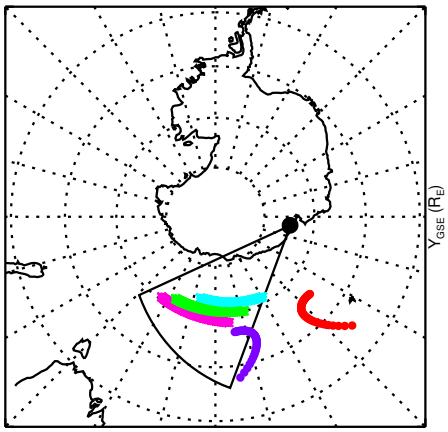


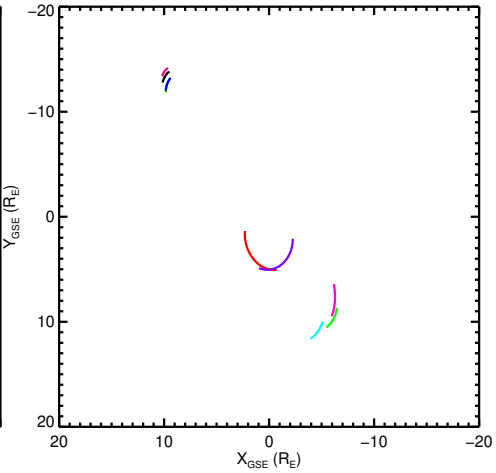


(c) 1025UT to 1415UT
adw hkw pyk rkn

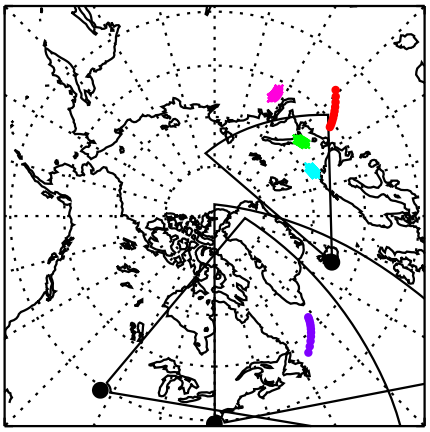


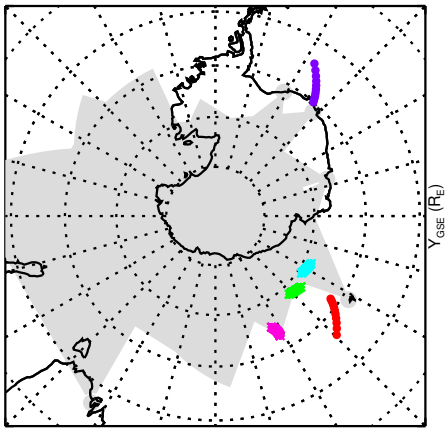
zho

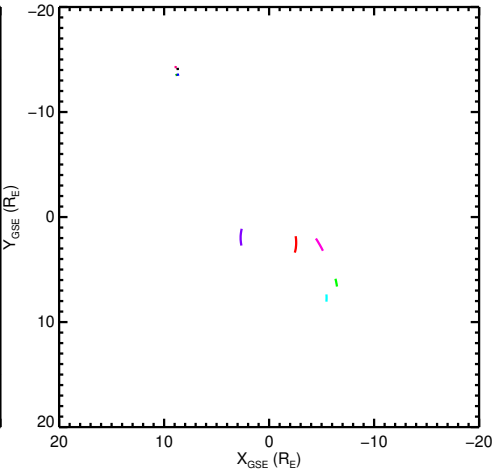




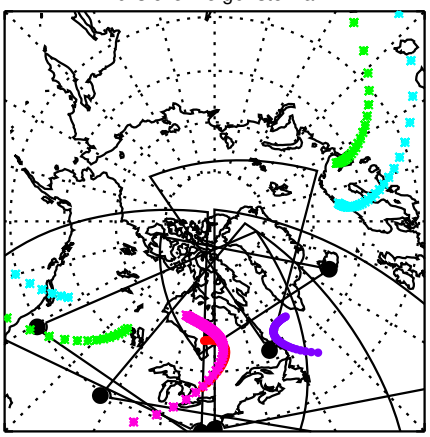
(d) 1625UT to 1715UT
fhe pyk wal



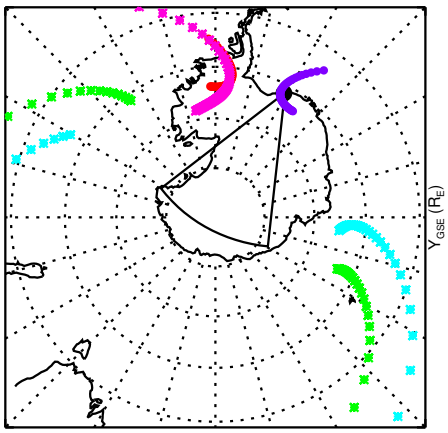


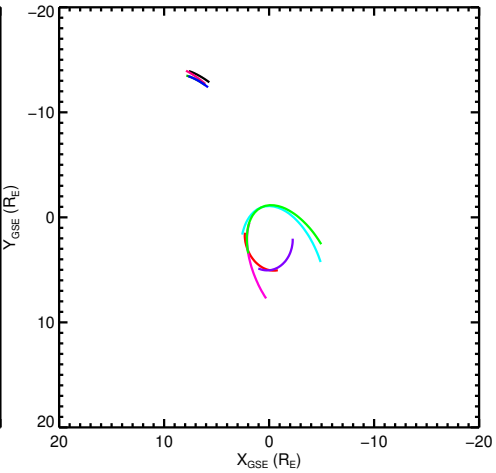


(e) 1925UT to 2320UT
bks cve fhe gbr sto wal



hal

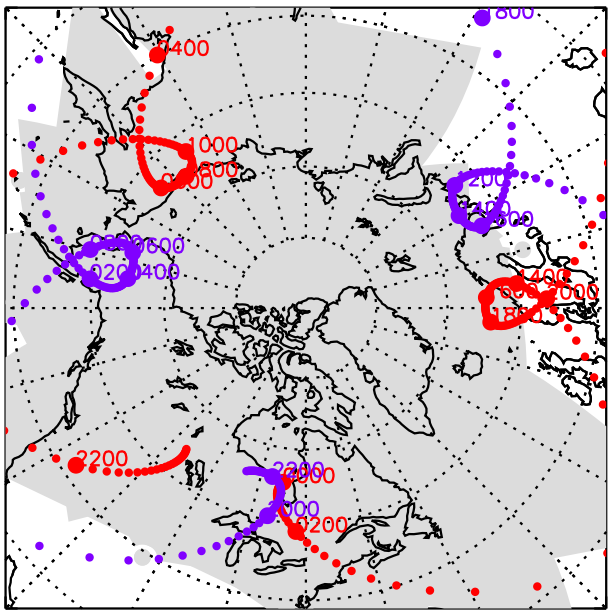


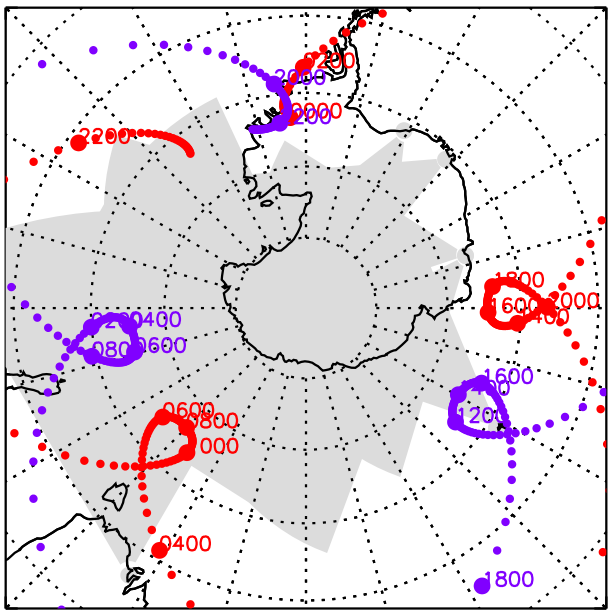


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

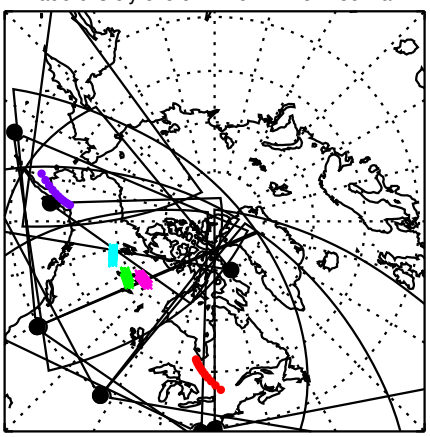
27−Apr−2017

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

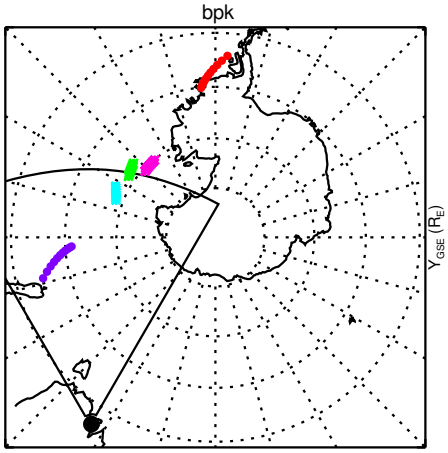


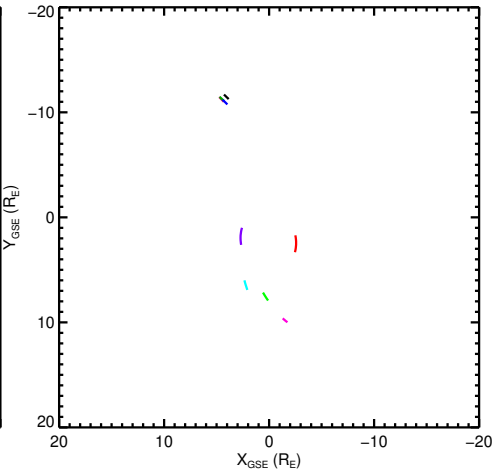


(a) 0125UT to 0215UT
ade bks cly cve cvw fhe fhw hok kod wal

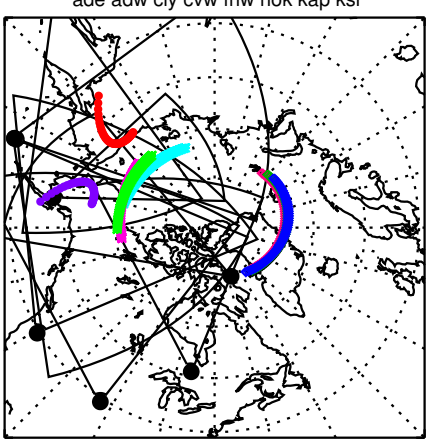


bpk

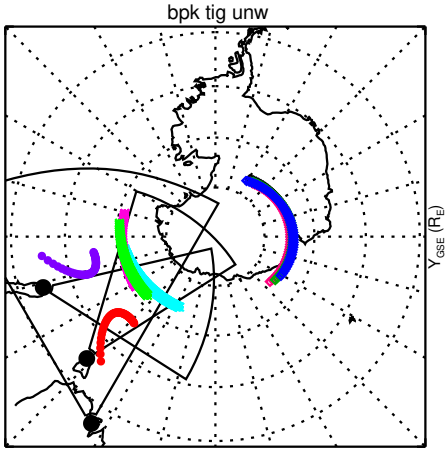


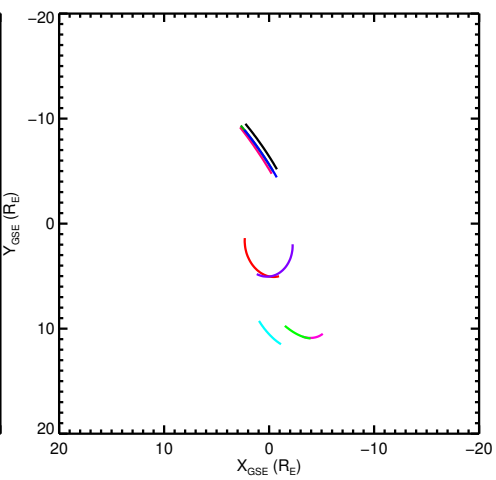


(b) 0420UT to 0825UT
ade adw cly cvw fhw hok kap ksr

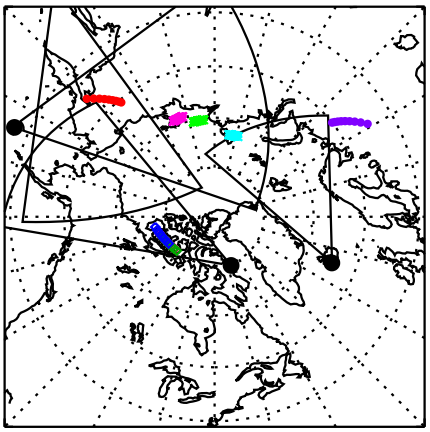


bpk tig unw

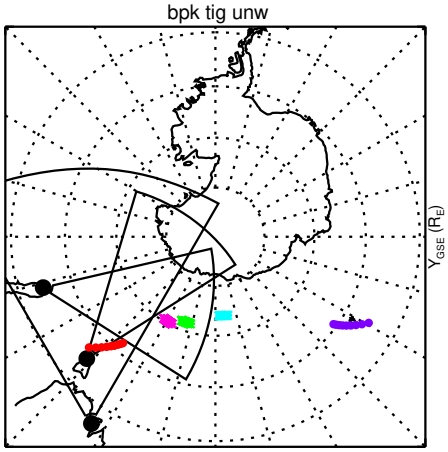


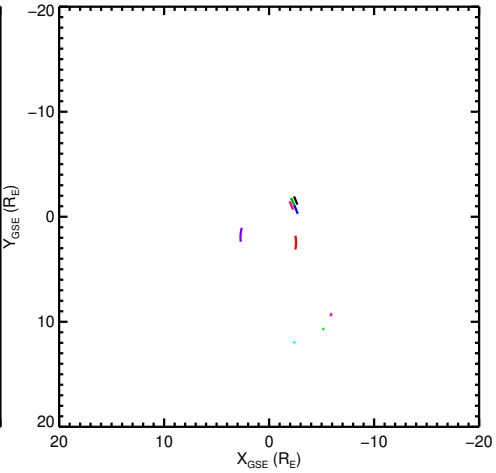


(c) 1030UT to 1110UT
adw cly hok pyk

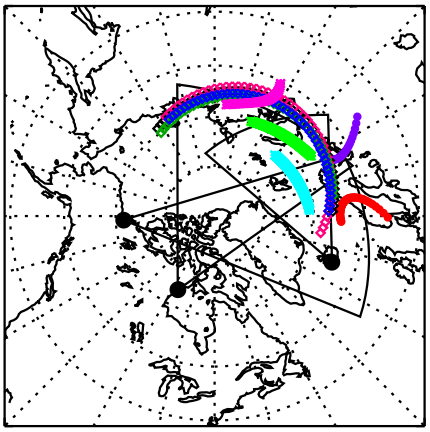


bpk tig unw

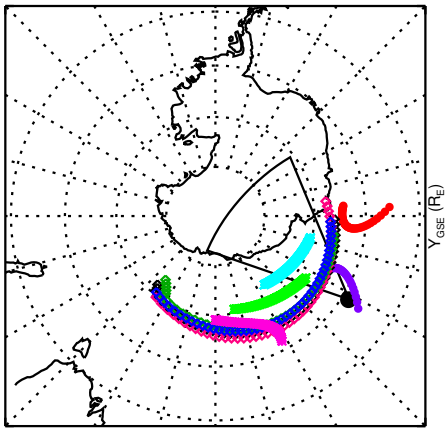


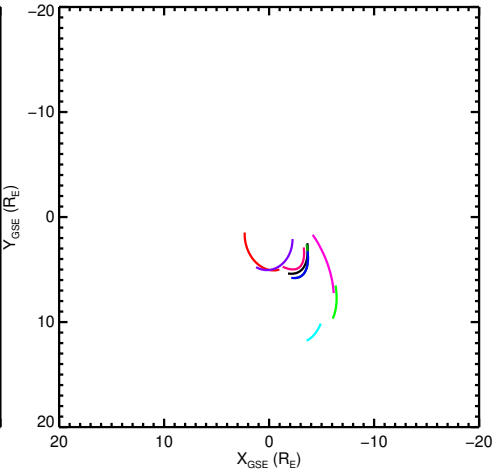


(d) 1320UT to 1725UT
inv pyk rkn

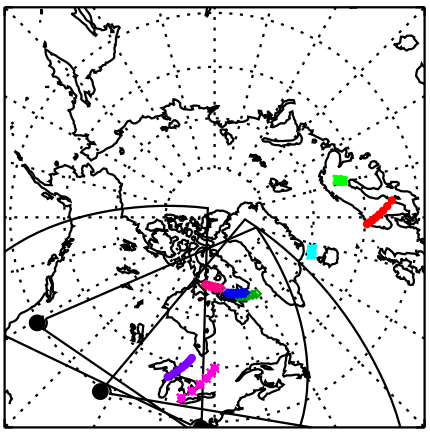


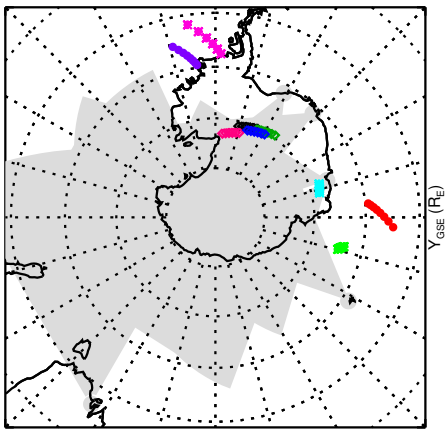
ker

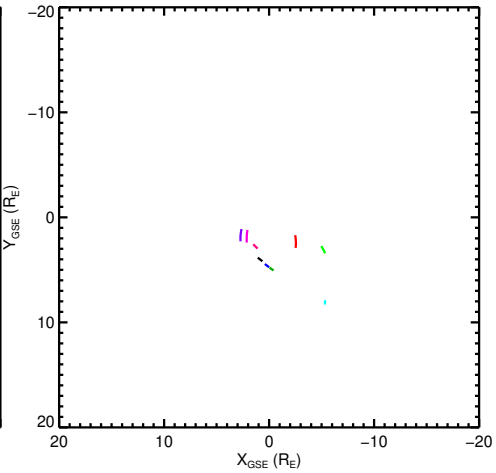




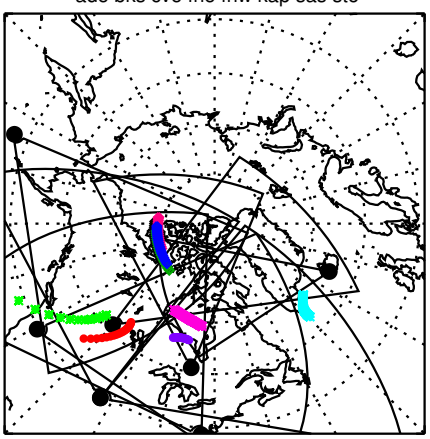
(e) 1935UT to 2010UT
bks cve fhe



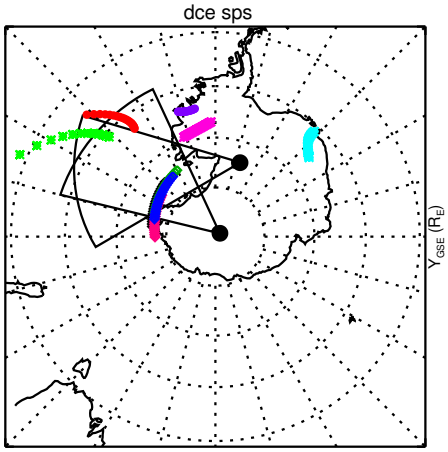


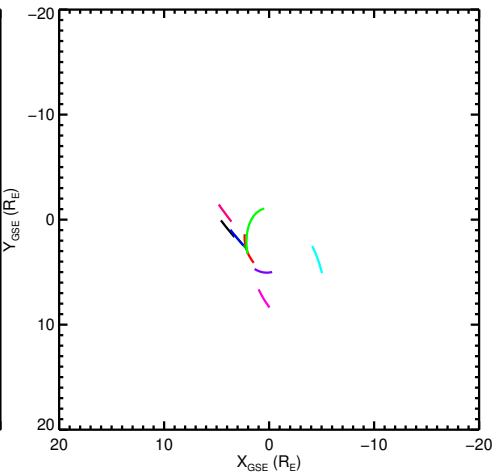


(f) 2215UT to 2355UT
ade bks cve fhe fhw kap sas sto



dce sps

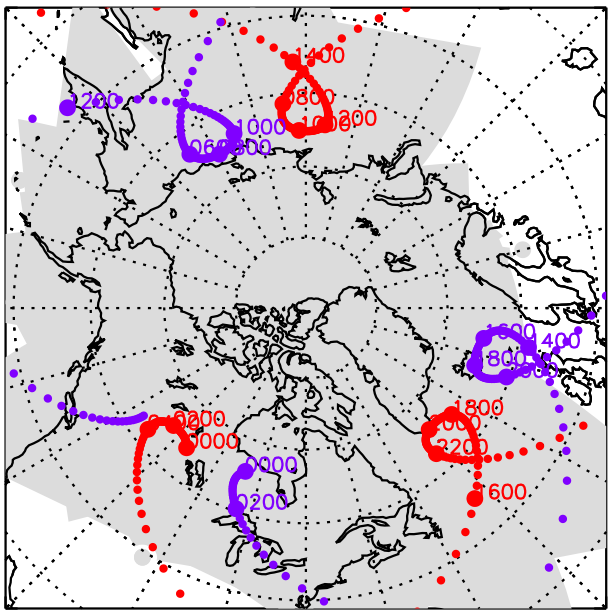


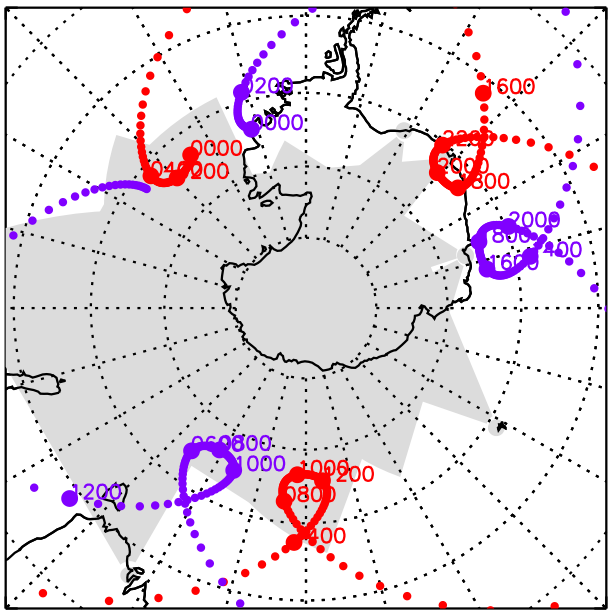


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

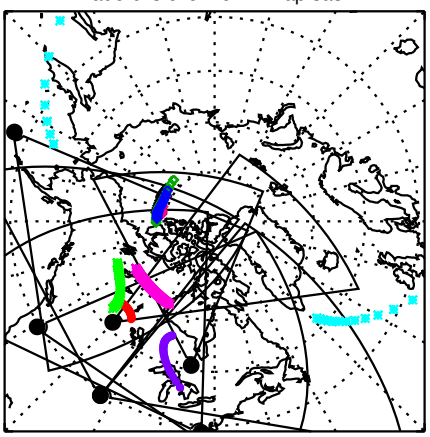
28–Apr–2017

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

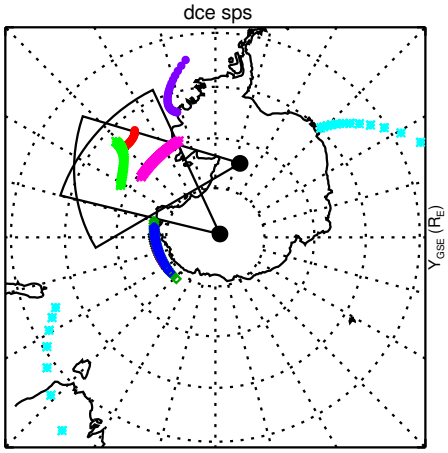


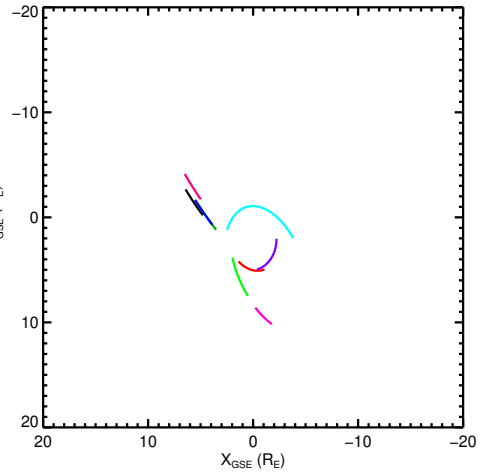


(a) 0000UT to 0230UT
ade bks cve fhe fhw kap sas

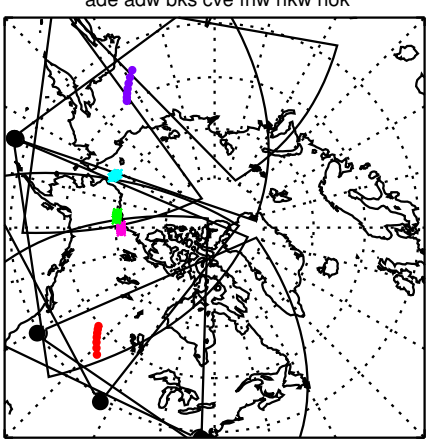


dce sps

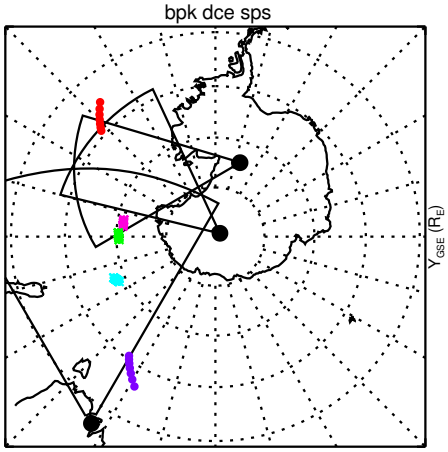


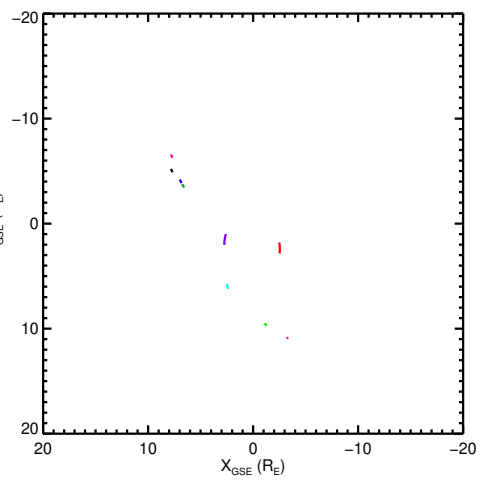


(b) 0435UT to 0505UT
ade adw bks cve fhw hkw hok

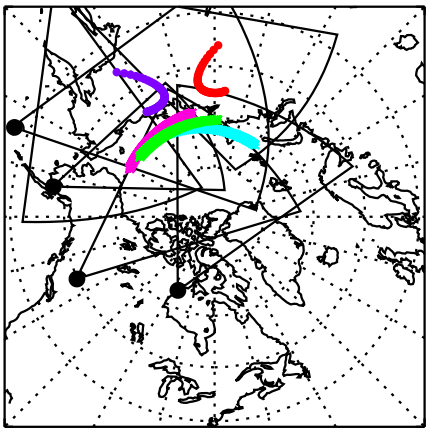


bpk dce sps

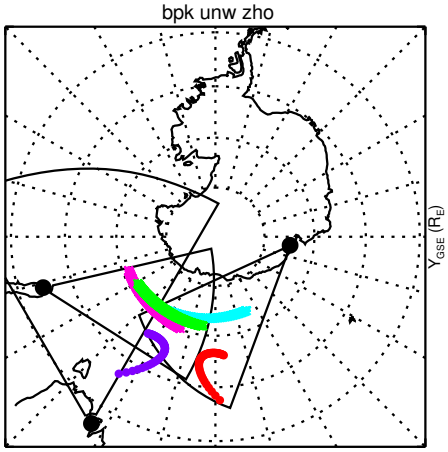


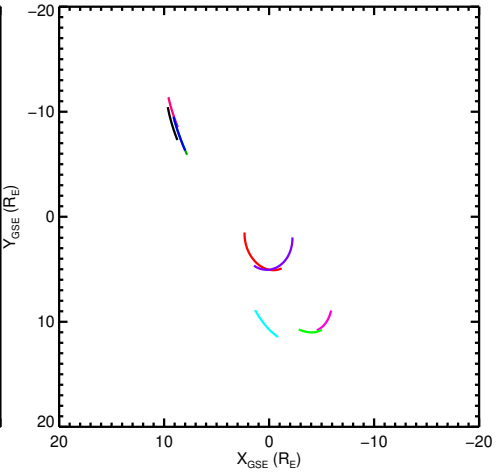


(c) 0715UT to 1135UT
adw hkw hok ksr pgr rkn

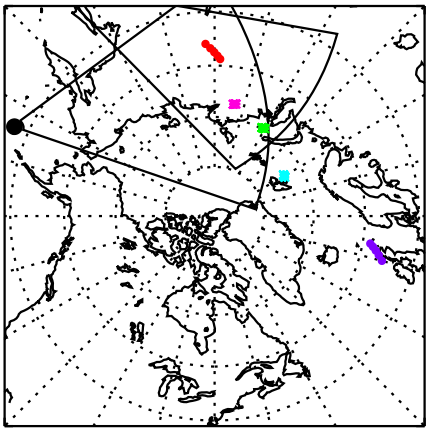


bpk unw zho

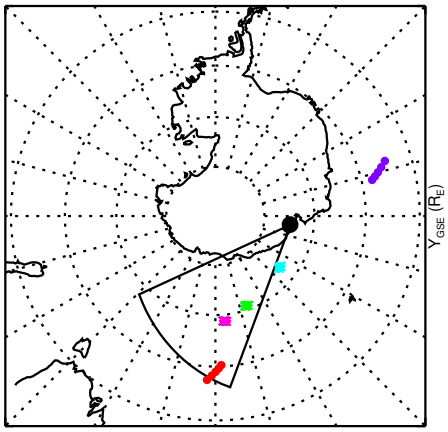


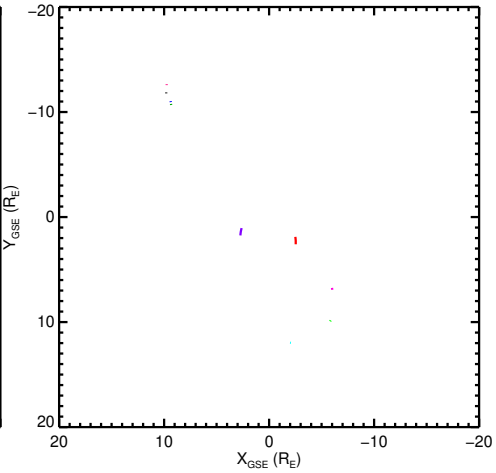


(d) 1340UT to 1400UT
adw hkw

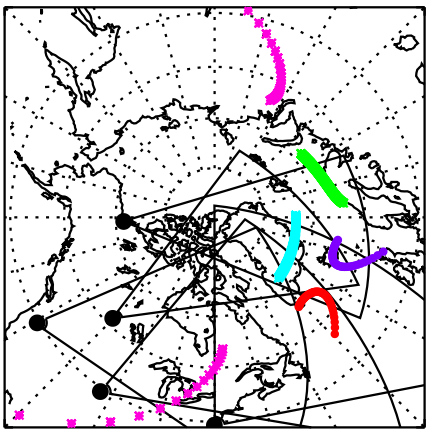


zho

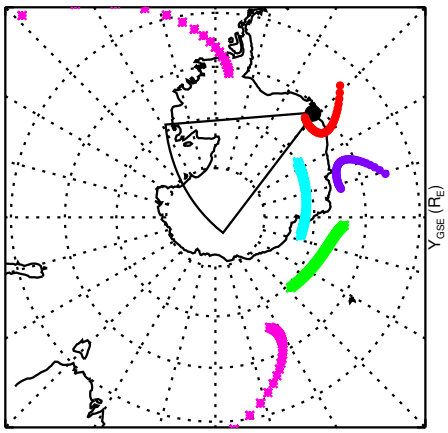


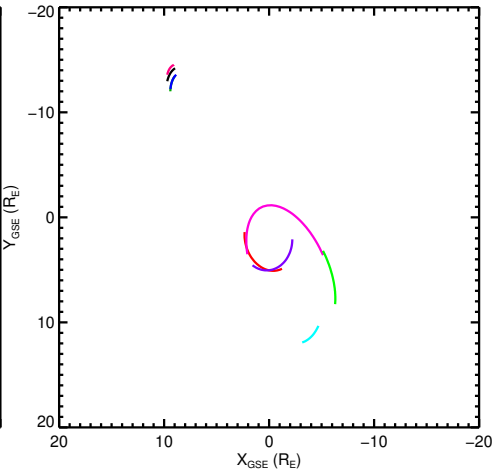


(e) 1610UT to 2035UT
cve fhe inv sas wal

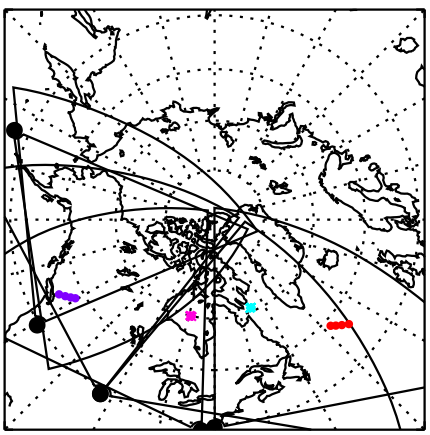


san

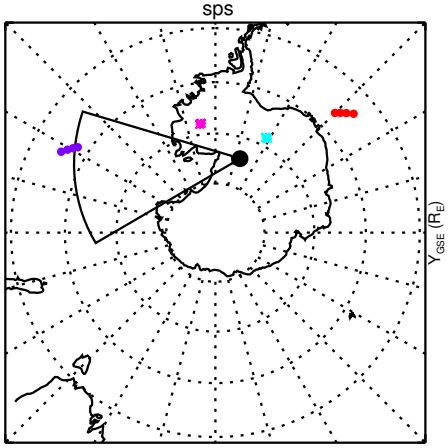


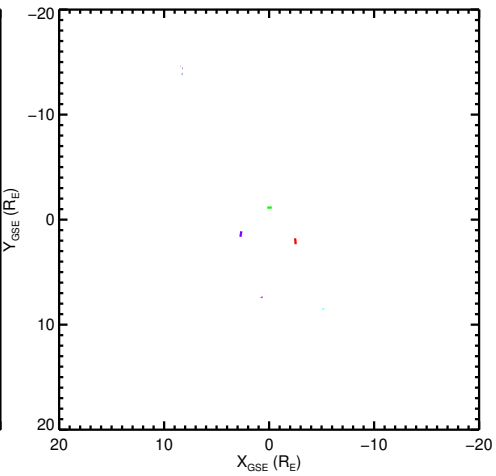


(f) 2245UT to 2300UT
ade bks cvw fhe fhw wal



sps

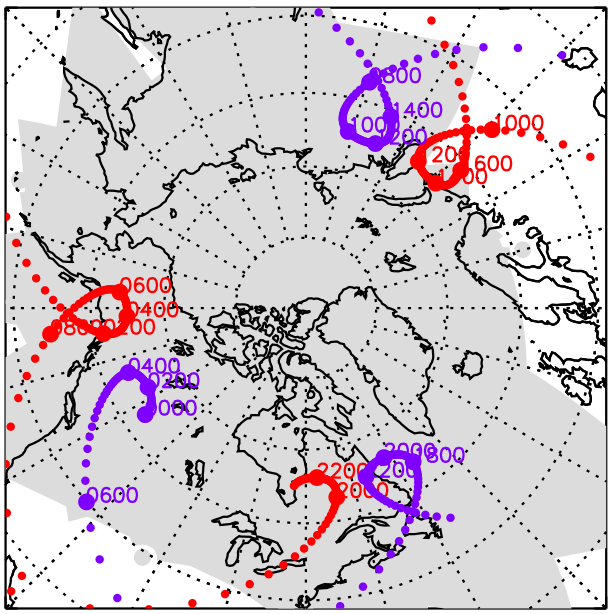


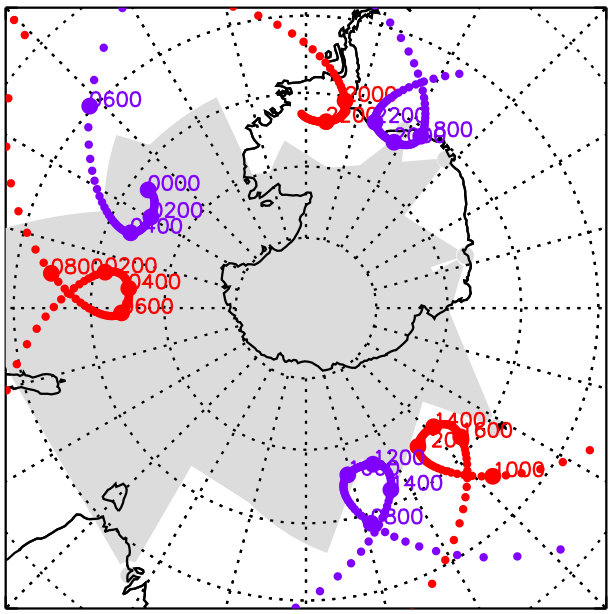


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

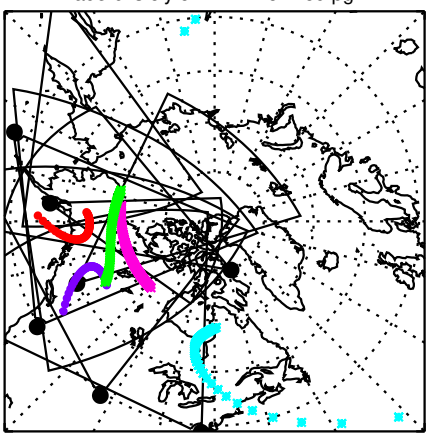
29−Apr−2017

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

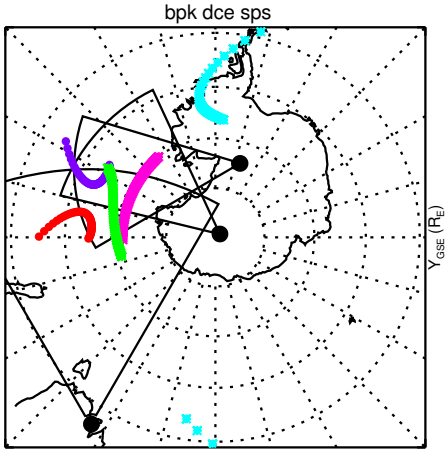


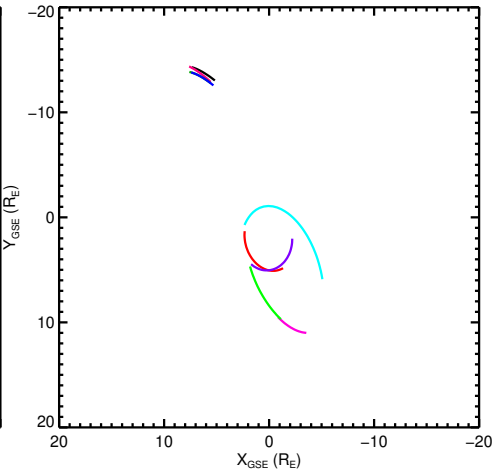


(a) 0105UT to 0540UT
ade bks cly cvw fhw hok kod pgr

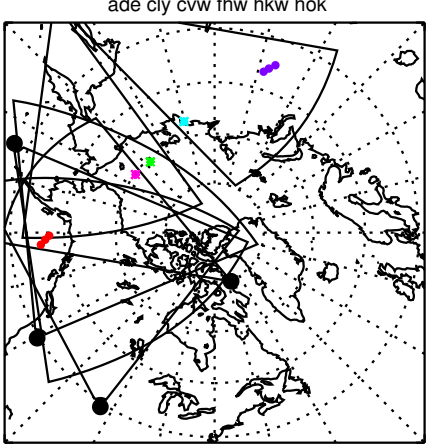


bpk dce sps

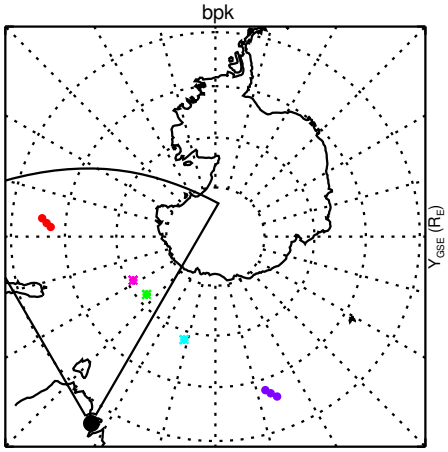


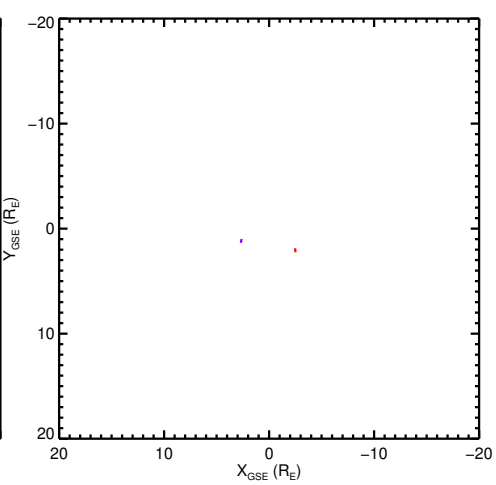


(b) 0745UT to 0755UT
ade cly cvw fhw hkw hok



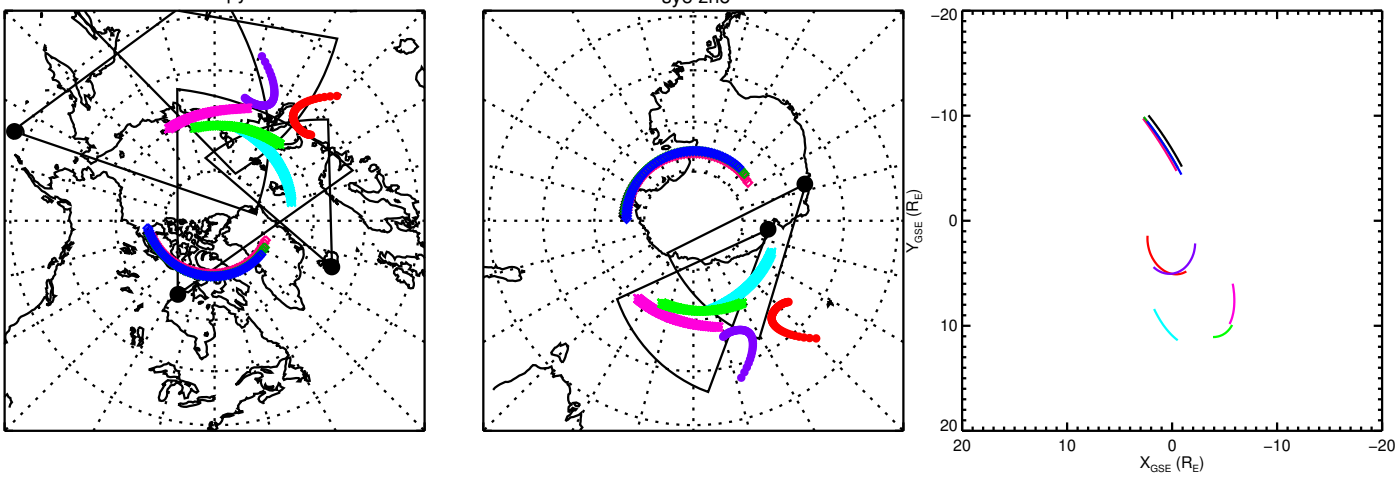
bpk



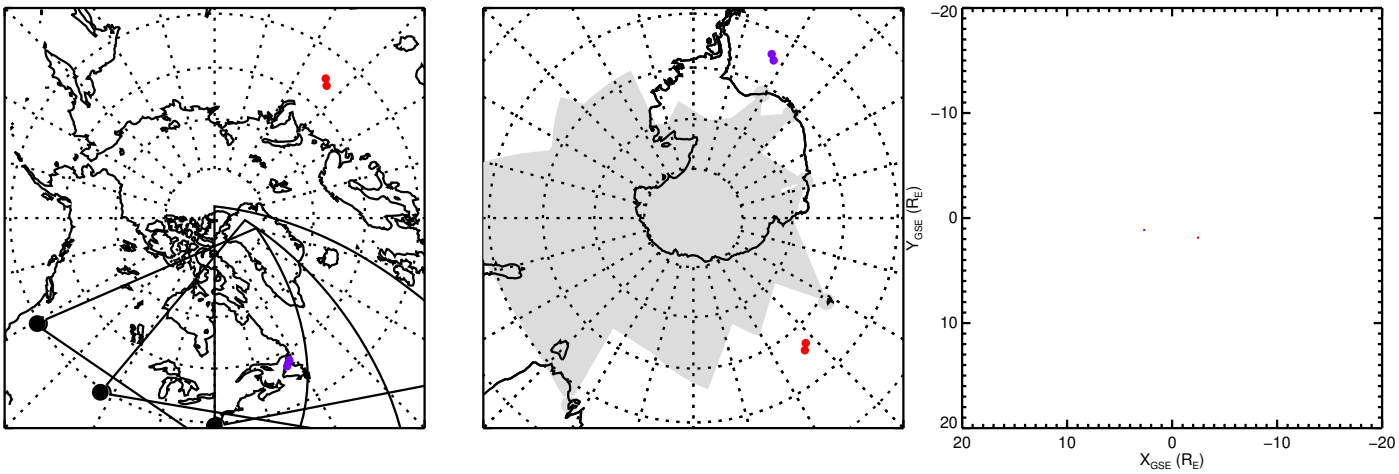


(c) 1005UT to 1440UT
adw hkw pyk rkn

sye zho

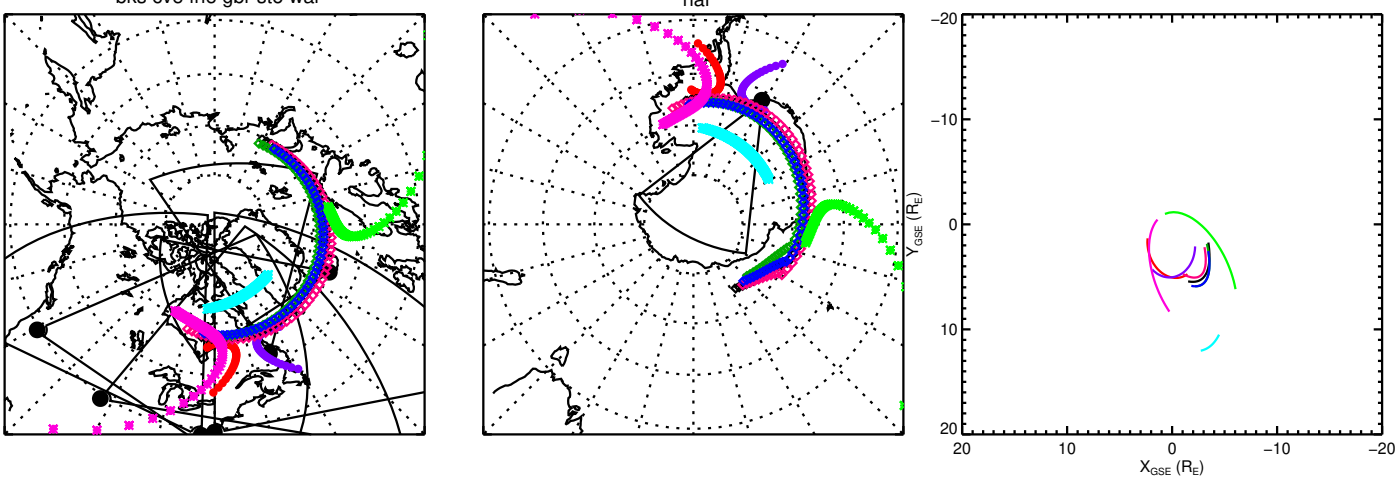


(d) 1650UT to 1655UT
cve fhe wal



(e) 1900UT to 2345UT
bks cve fhe gbr sto wal

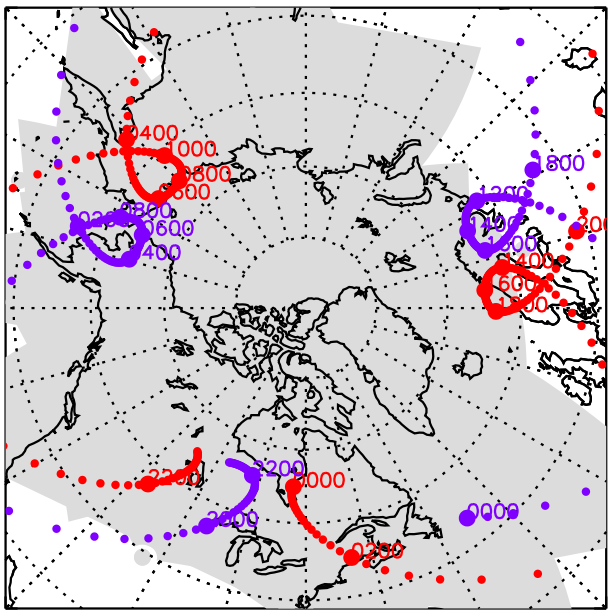
hal

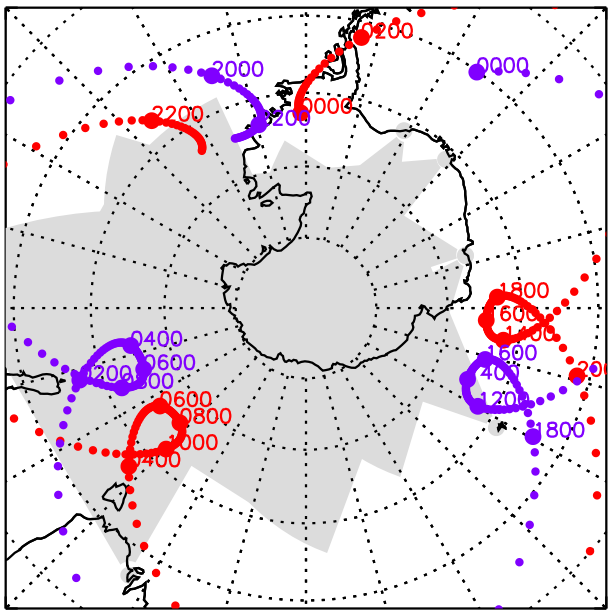


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

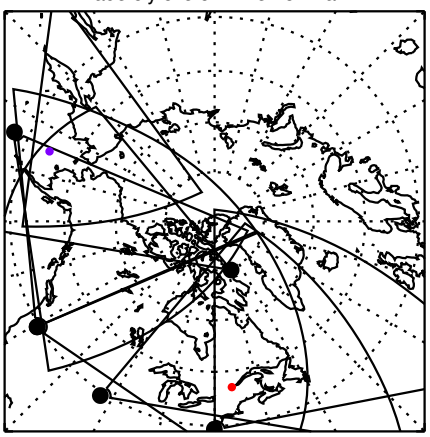
30−Apr−2017

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

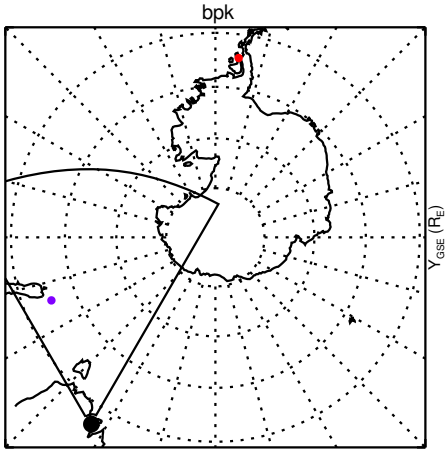


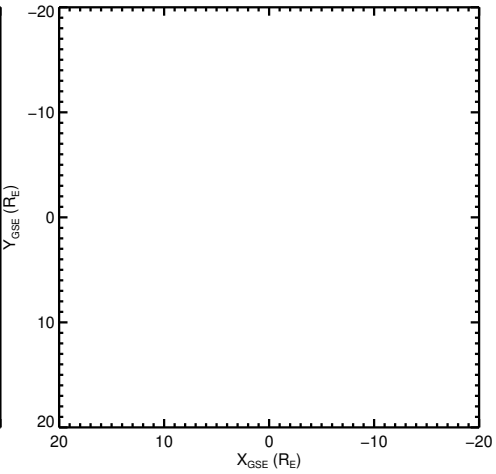


(a) 0150UT to 0150UT
ade cly cve cvw fhe hok wal

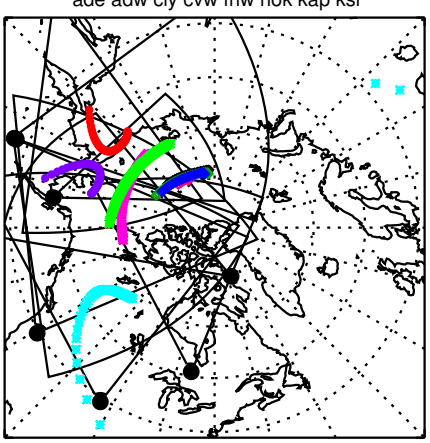


bpk

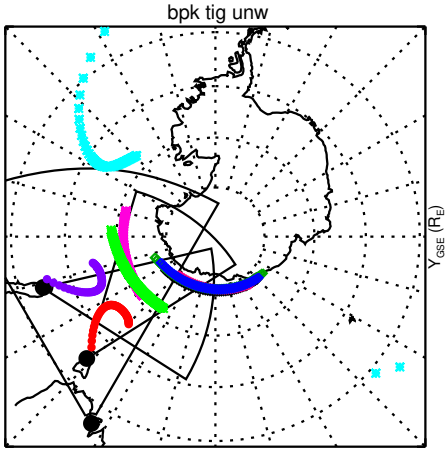


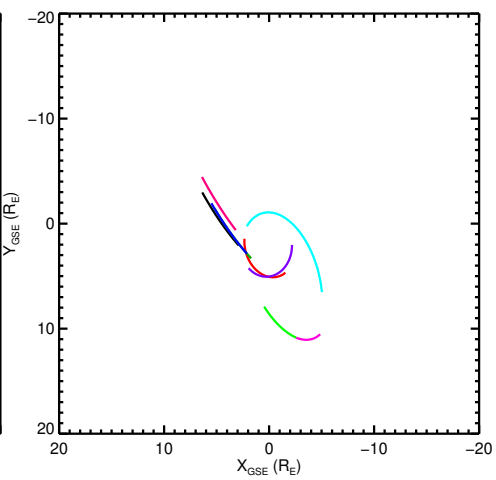


(b) 0400UT to 0850UT
ade adw cly cvw fhw hok kap ksr

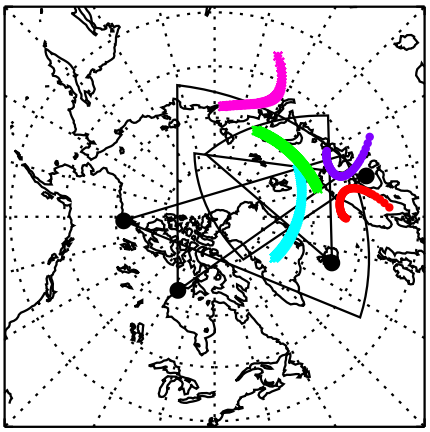


bpk tig unw

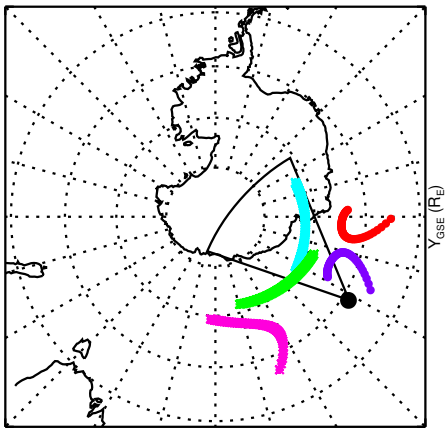


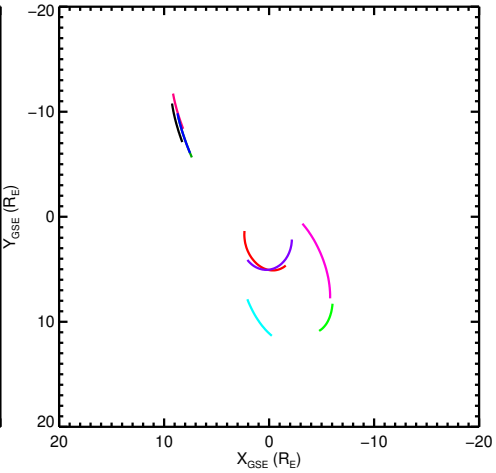


(c) 1255UT to 1750UT
han inv pyk rkn

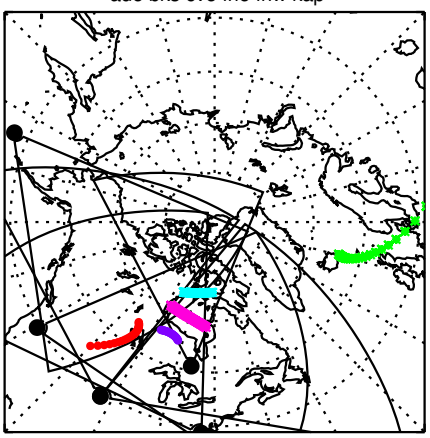
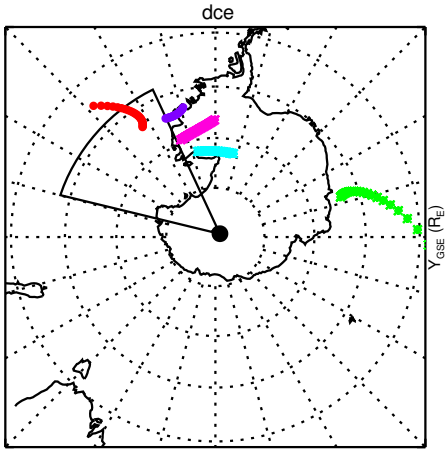
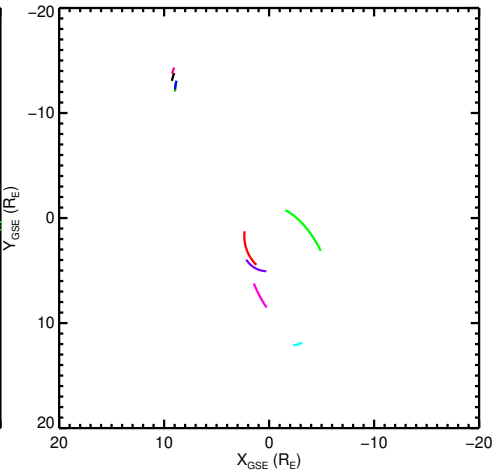


ker





(d) 2150UT to 2355UT
ade bks cve fhe fhw kap



dce