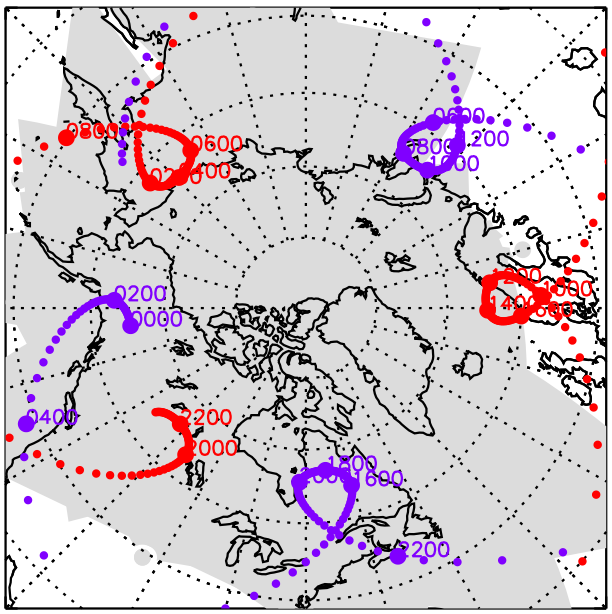
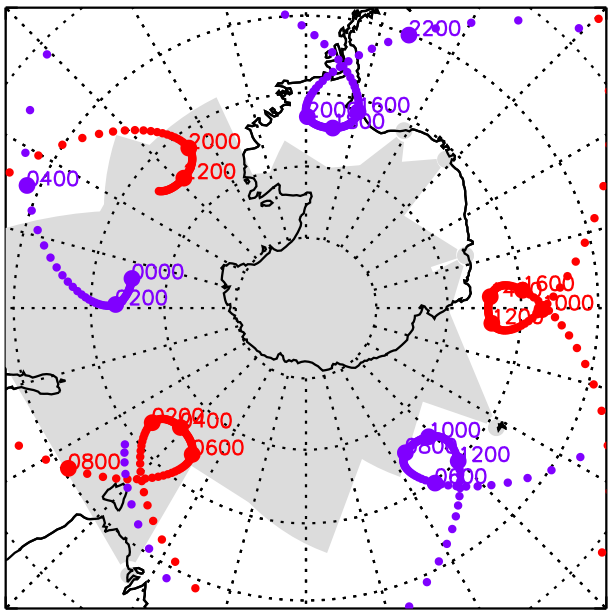
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

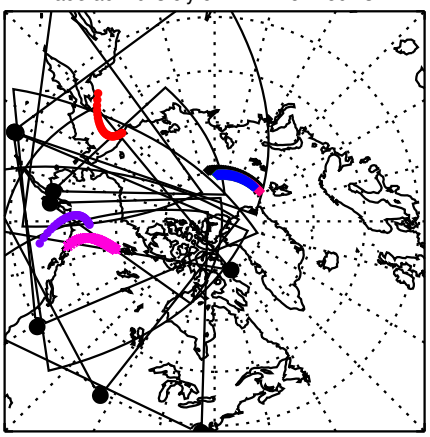
01–Aug–2017

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

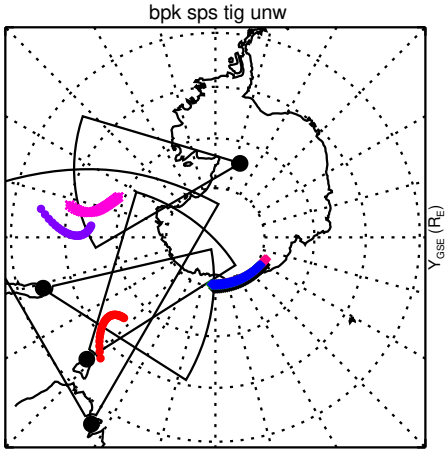


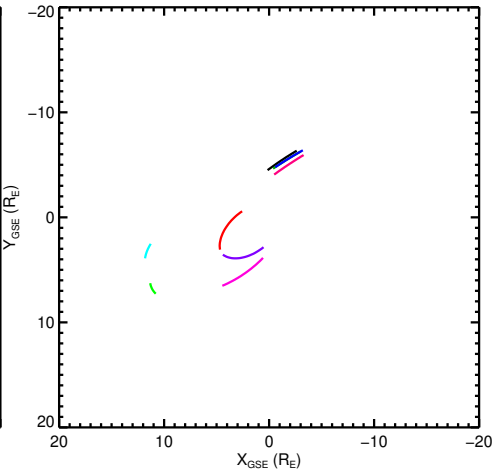


(a) 0050UT to 0335UT
ade adw bks cly cvw fhw hok kod ksr

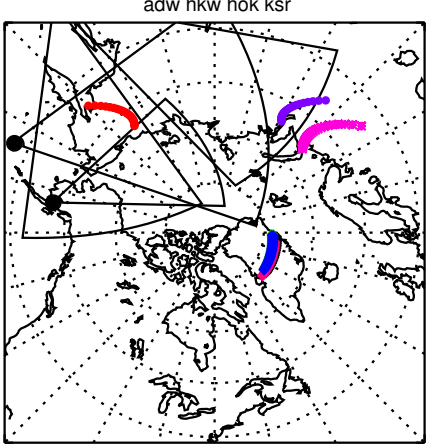


bpk sps tig unw

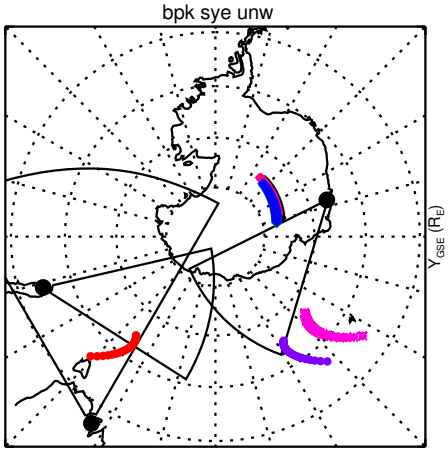


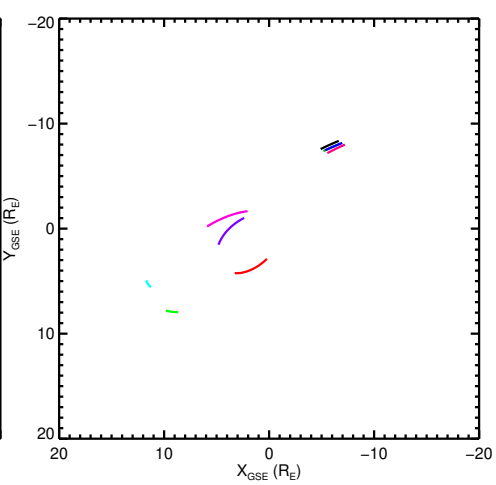


(b) 0540UT to 0740UT
adw hkw hok ksr

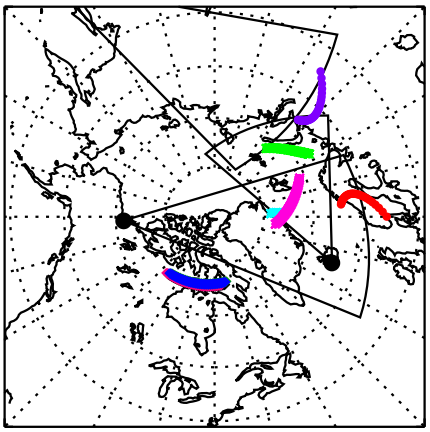


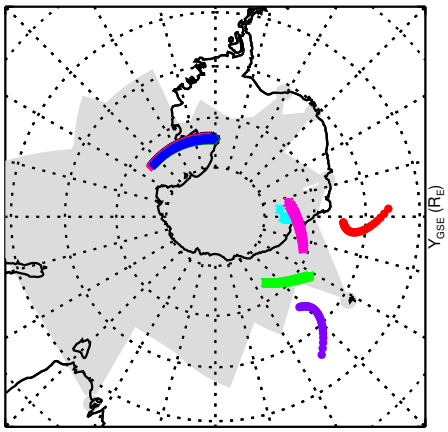
bpk sye unw

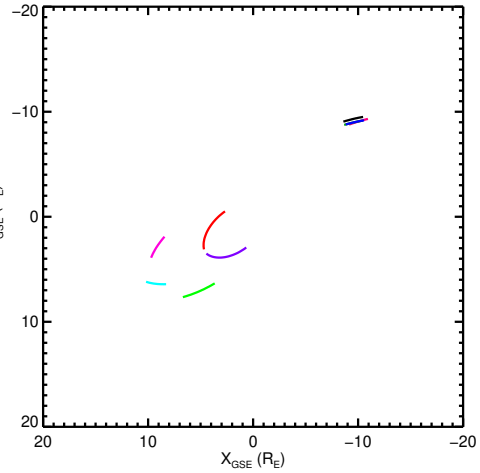




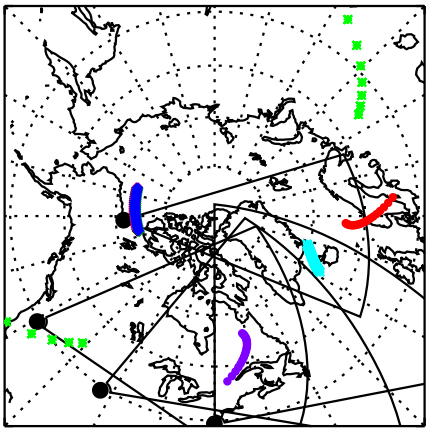
(c) 0950UT to 1235UT
hkw inv pyk

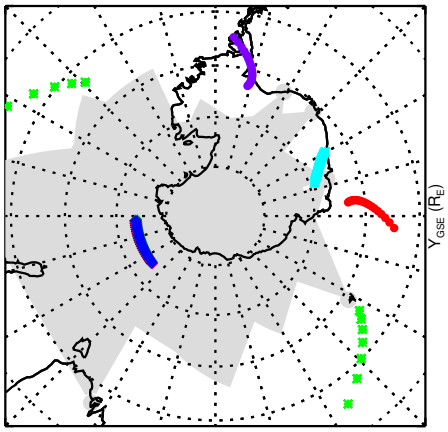


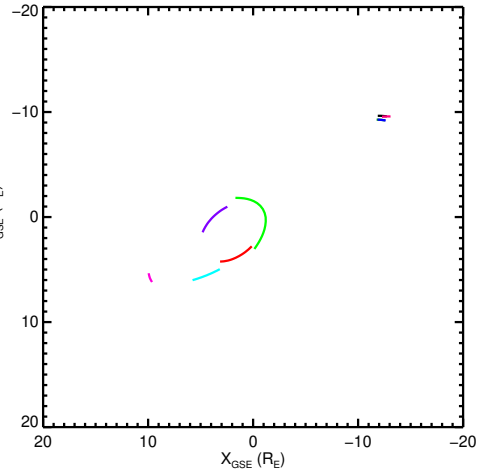




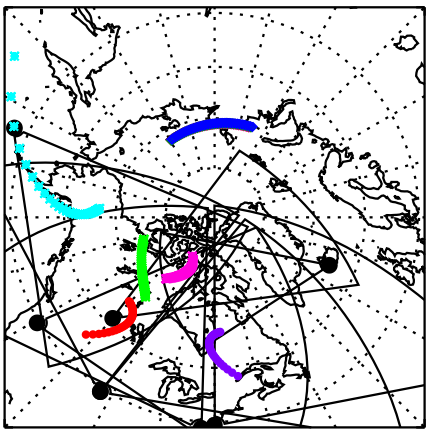
(d) 1445UT to 1640UT
cve fhe inv wal



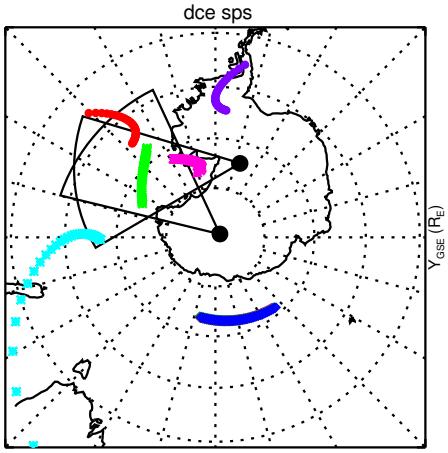


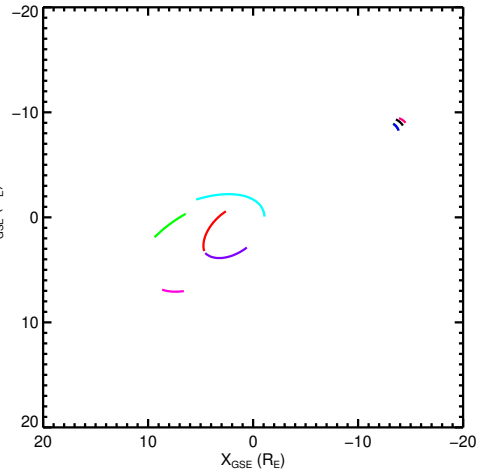


(e) 1845UT to 2140UT
ade bks cve fhe fhw sas sto wal

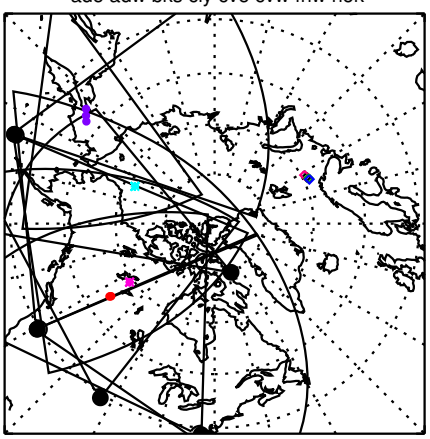


dce sps

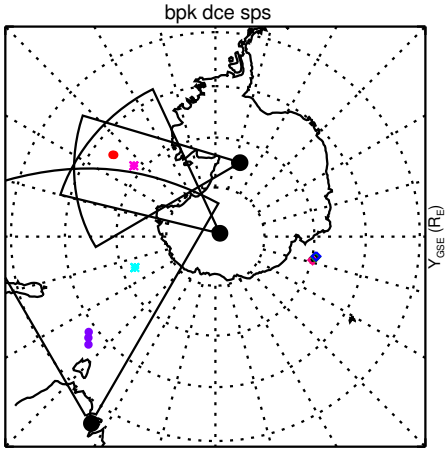


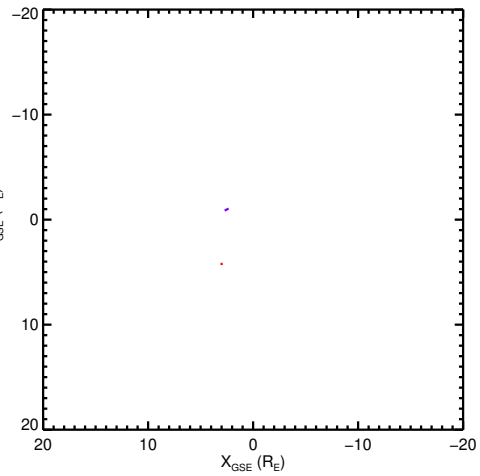


(f) 2345UT to 2355UT
ade adw bks cly cve cvw fhw hok



bpk dce sps

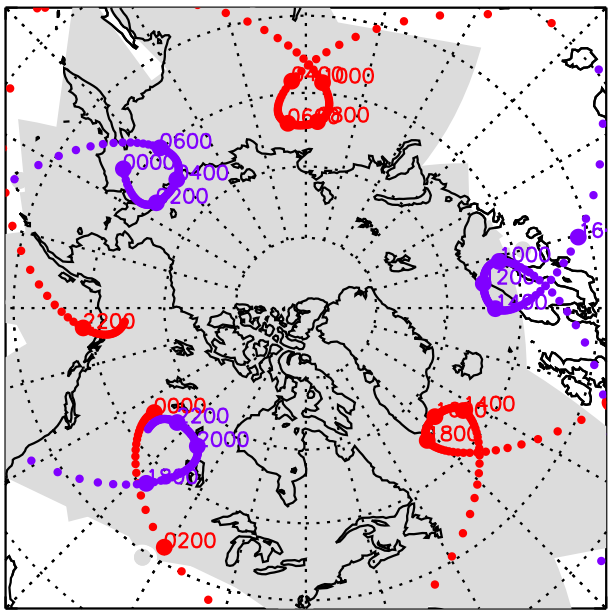


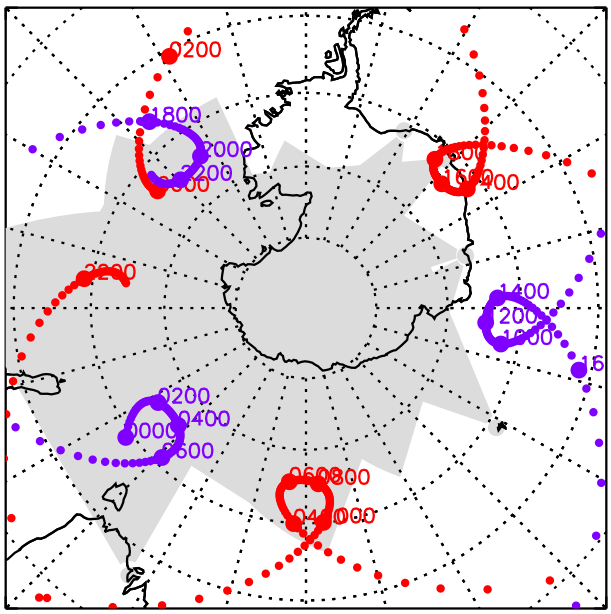


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

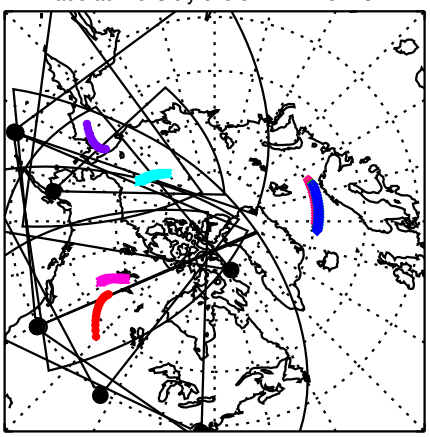
02–Aug–2017

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

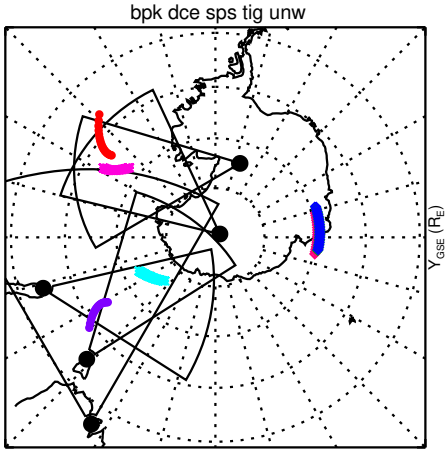


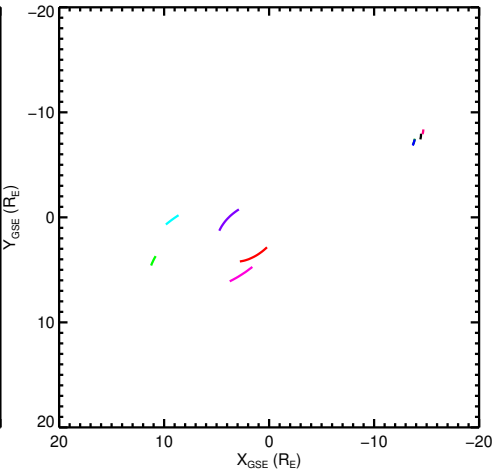


(a) 0000UT to 0135UT
ade adw bks cly cve cvw fhw hok ksr

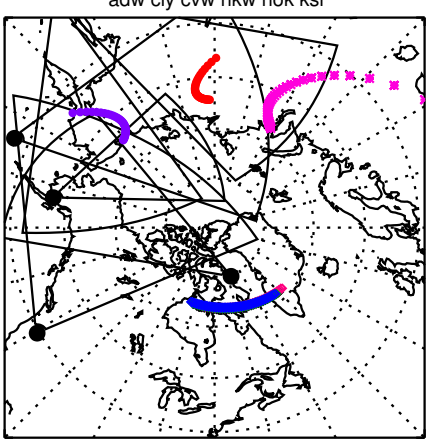


bpk dce sps tig unw

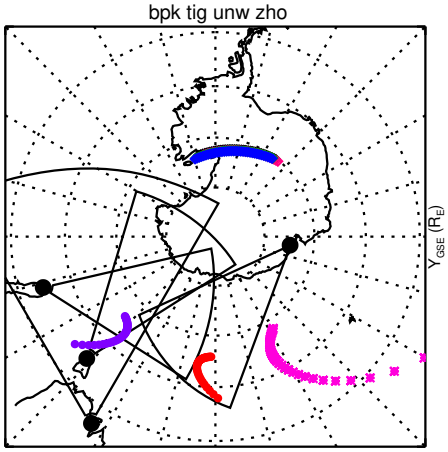


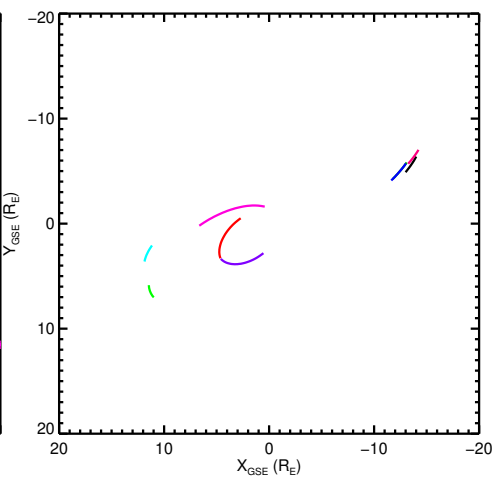


(b) 0345UT to 0645UT
adw cly cvw hkw hok ksr

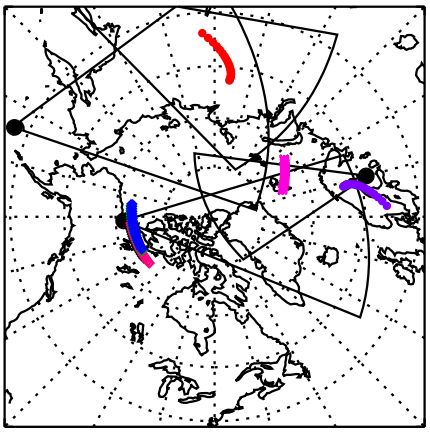


bpk tig unw zho

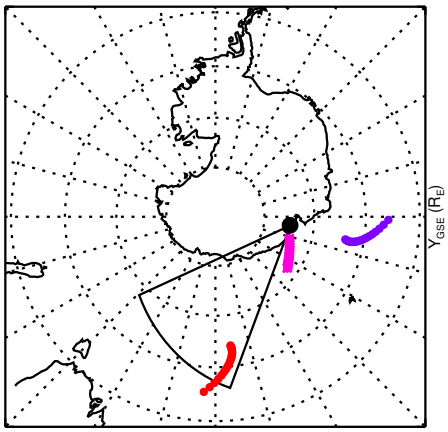


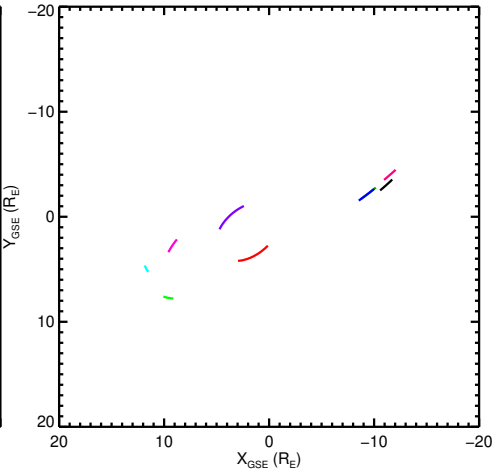


(c) 0850UT to 1035UT
adw han hkw inv

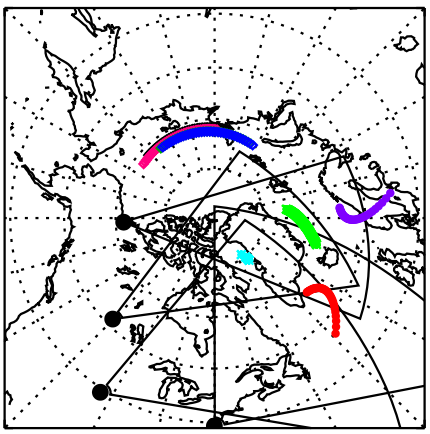


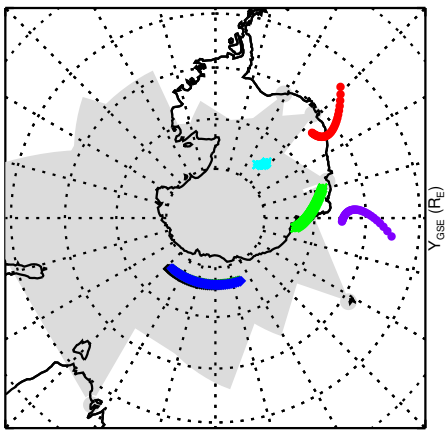
zho

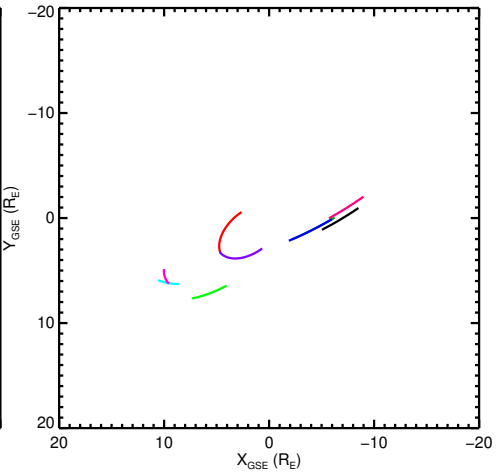




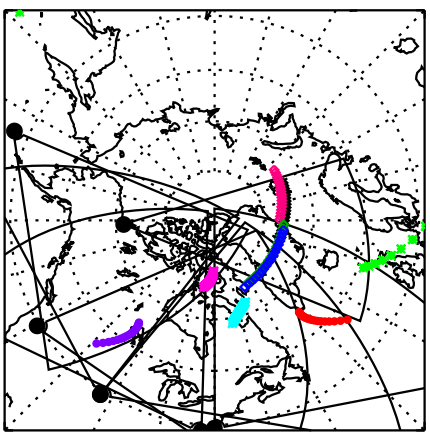
(d) 1240UT to 1545UT
fhe inv sas wal







(e) 1755UT to 1930UT
ade bks cve fhe fhw inv wal



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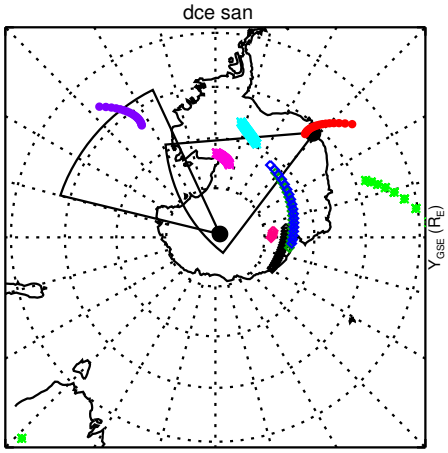
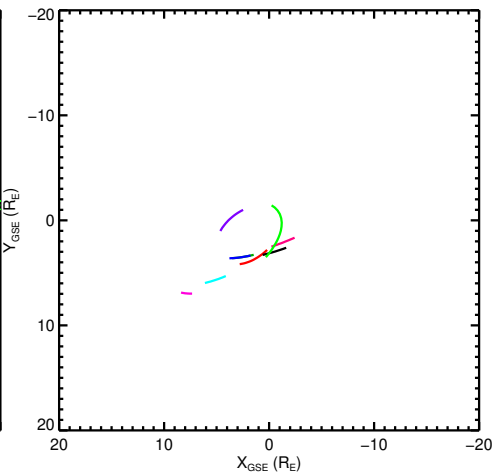
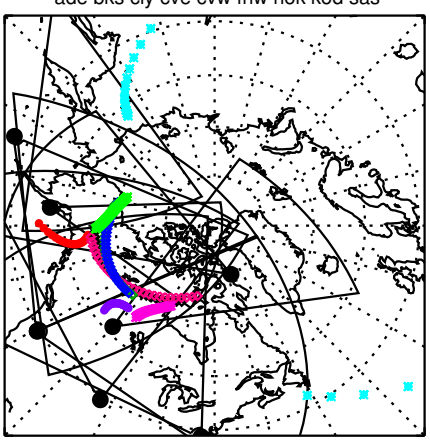




(f) 2135UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



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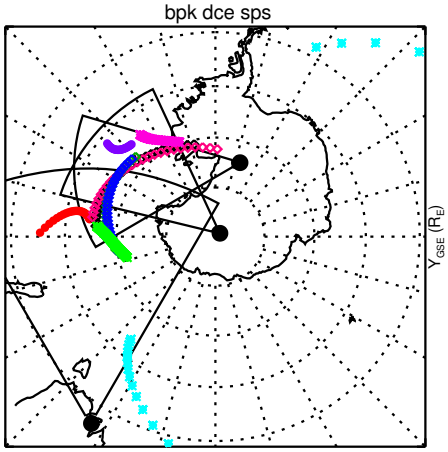
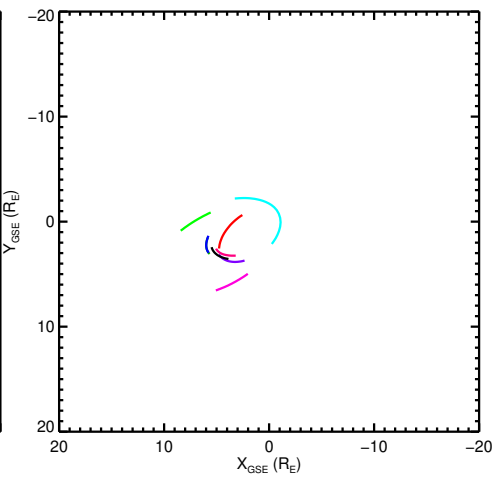
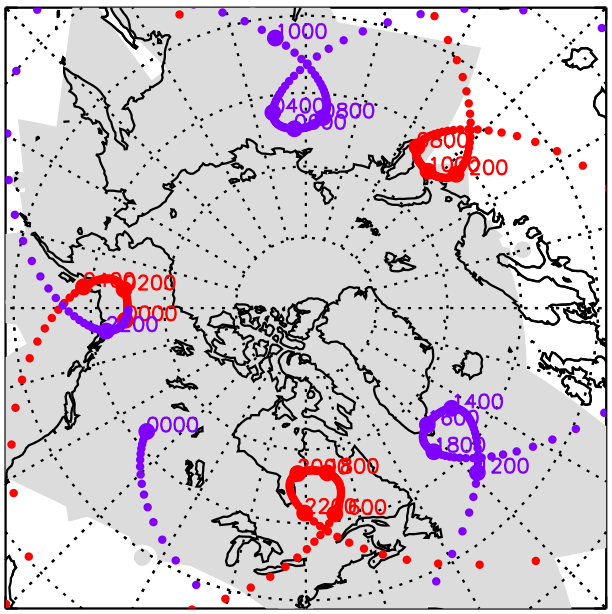


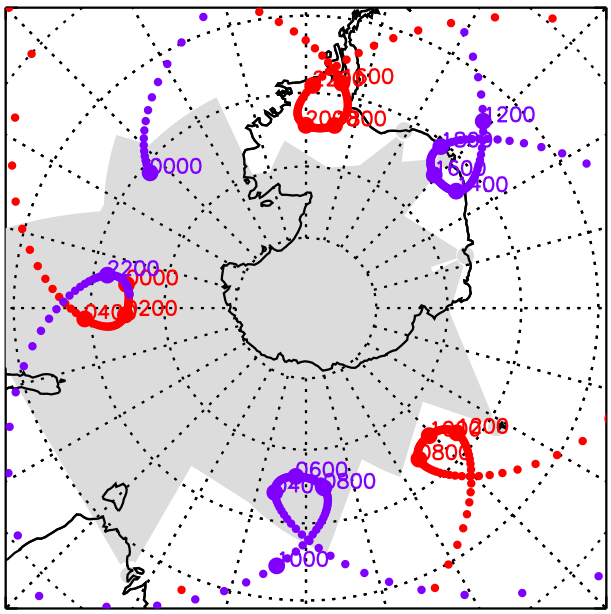


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

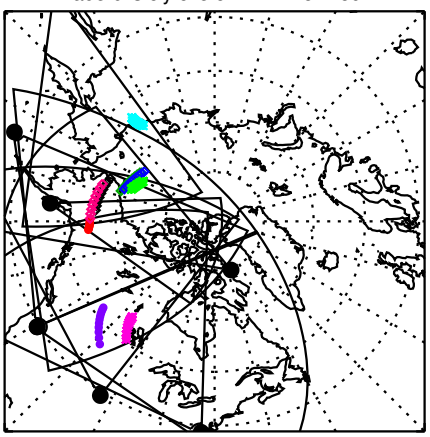
03–Aug–2017

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

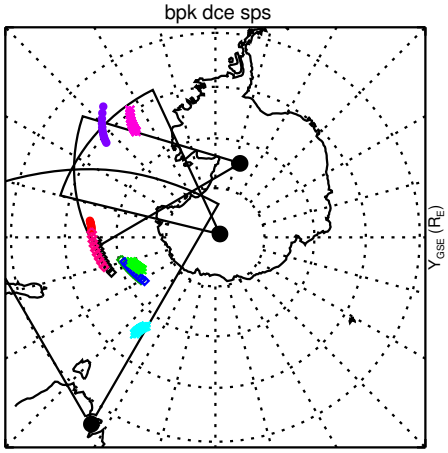


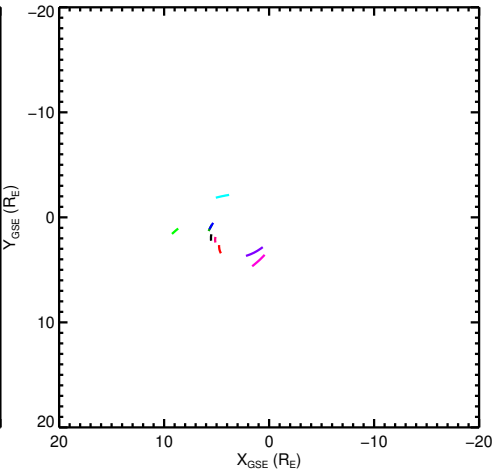


(a) 0000UT to 0050UT
ade bks cly cve cvw fhw hok kod

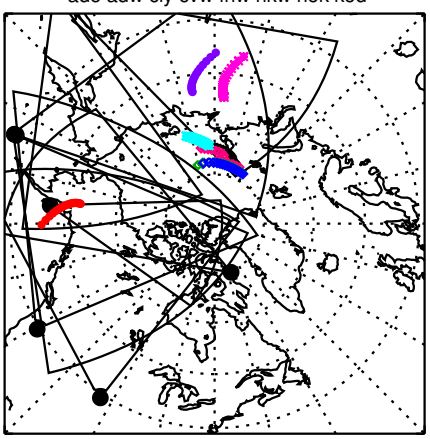


bpk dce sps

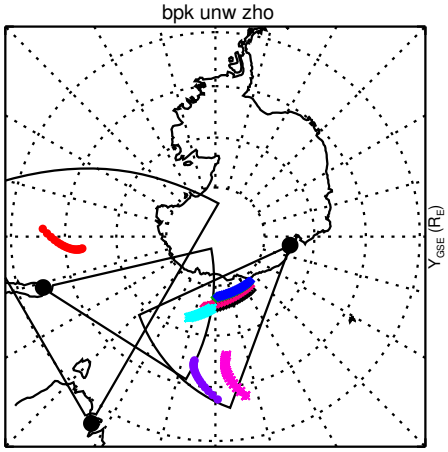


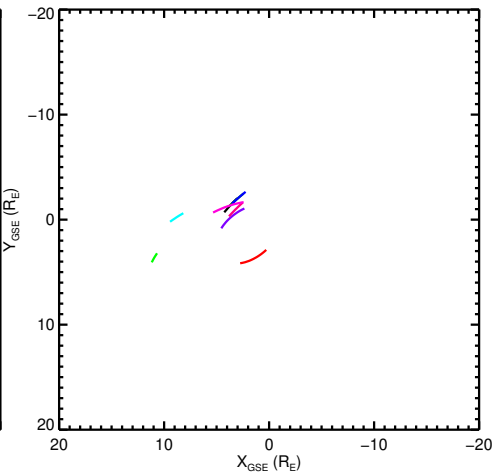


(b) 0255UT to 0425UT
ade adw cly cvw fhw hkw hok kod

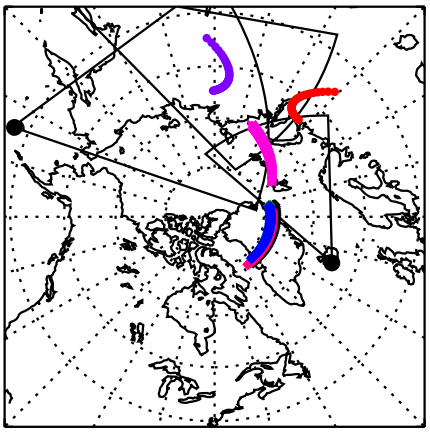


bpk unw zho

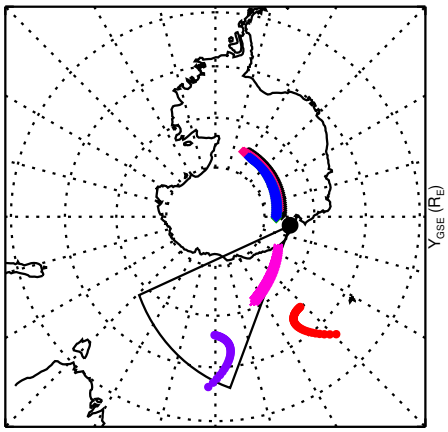


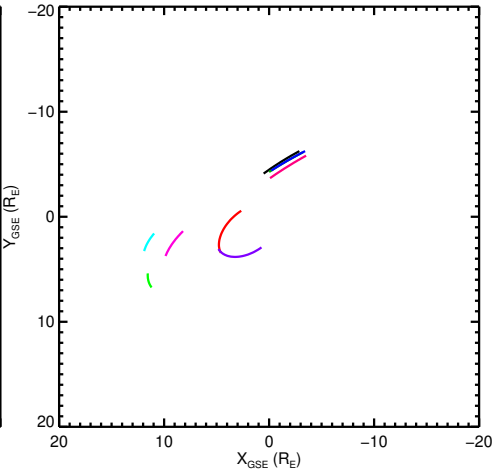


(c) 0635UT to 0950UT
adw hkw pyk

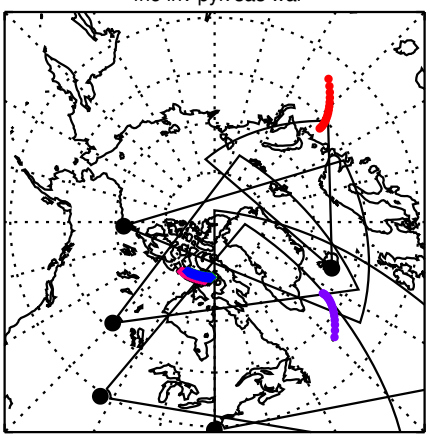


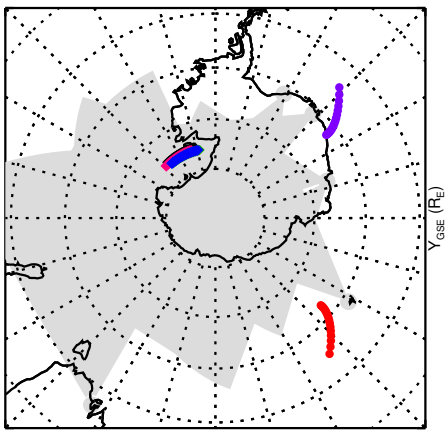
zho

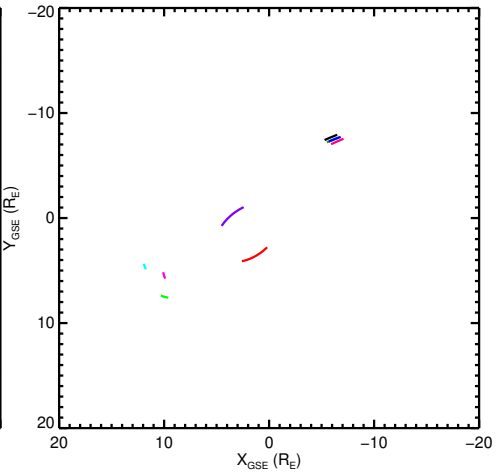




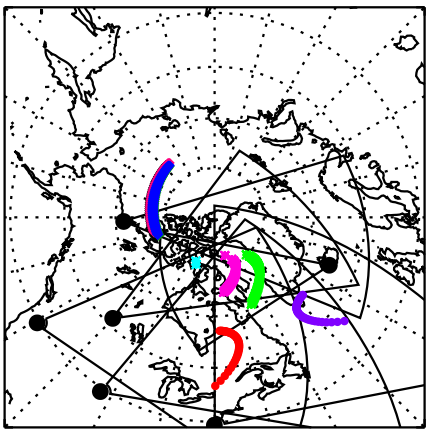
(d) 1200UT to 1325UT
fhe inv pyk sas wal



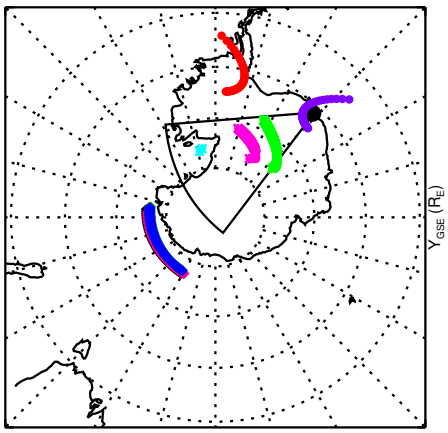


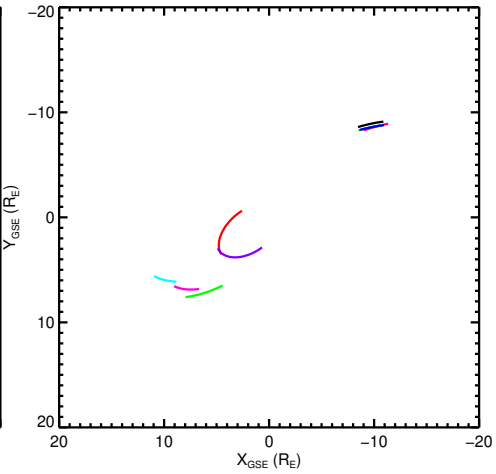


(e) 1530UT to 1855UT
cve fhe inv sas sto wal

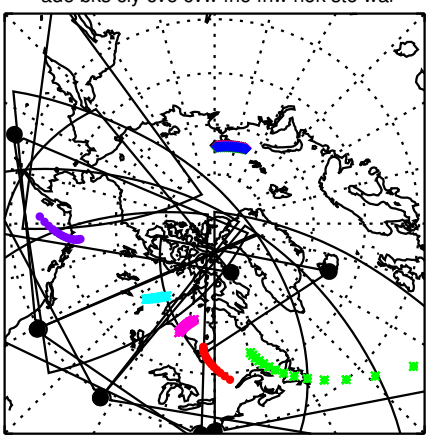


san

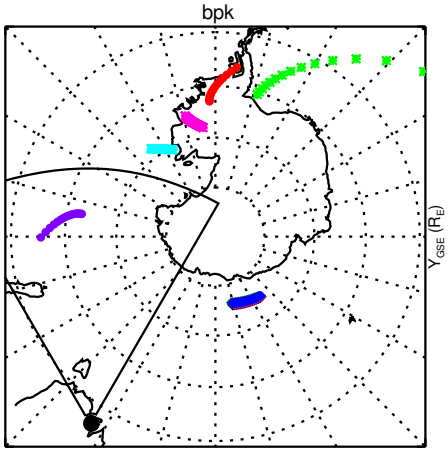


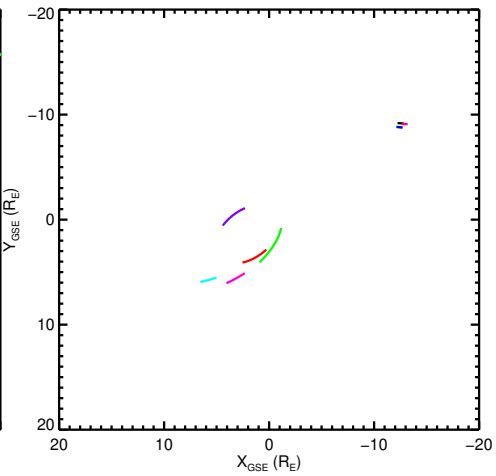


(f) 2100UT to 2220UT
ade bks cly cve cvw fhe fhw hok sto wal



bpk

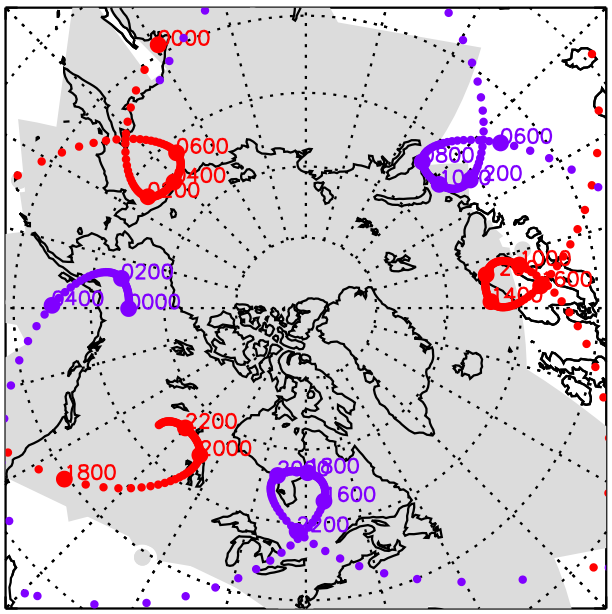


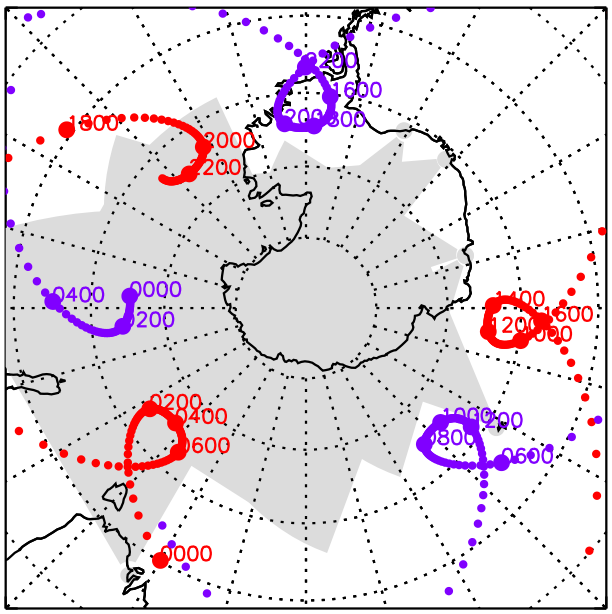


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

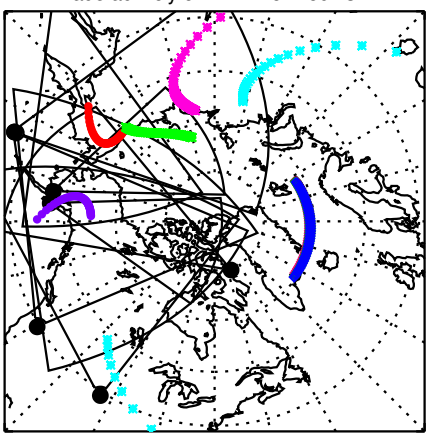
04–Aug–2017

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

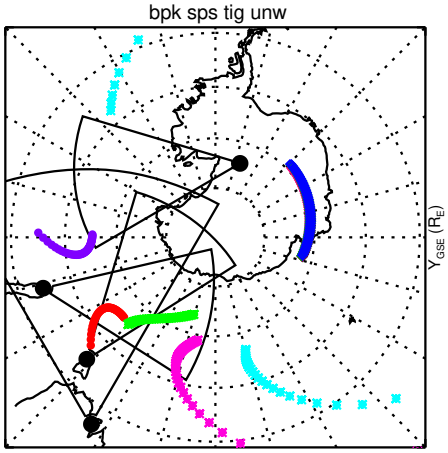


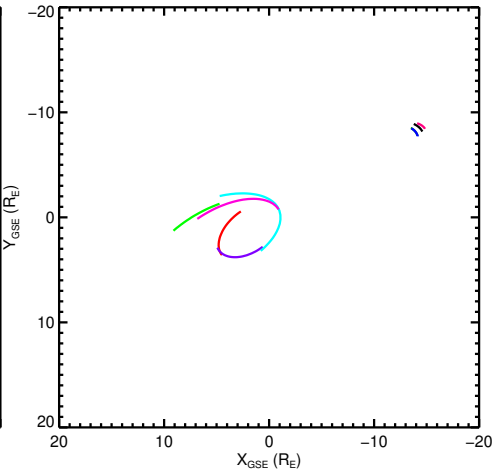


(a) 0030UT to 0400UT
ade adw cly cvw fhw hok kod ksr

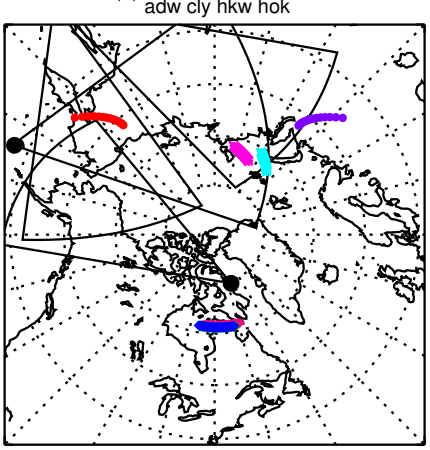


bpk sps tig unw

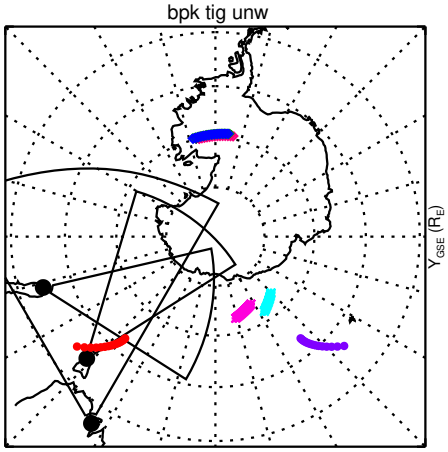


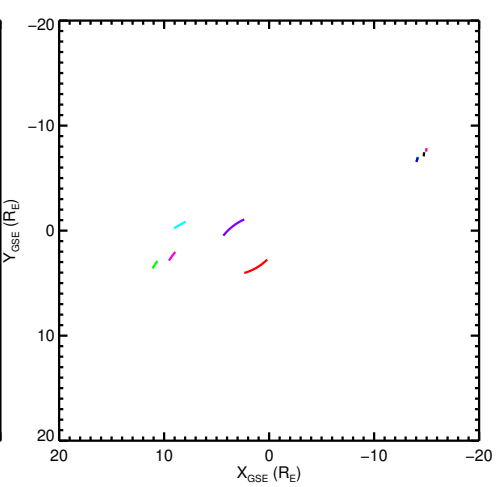


(b) 0605UT to 0720UT
adw cly hkw hok

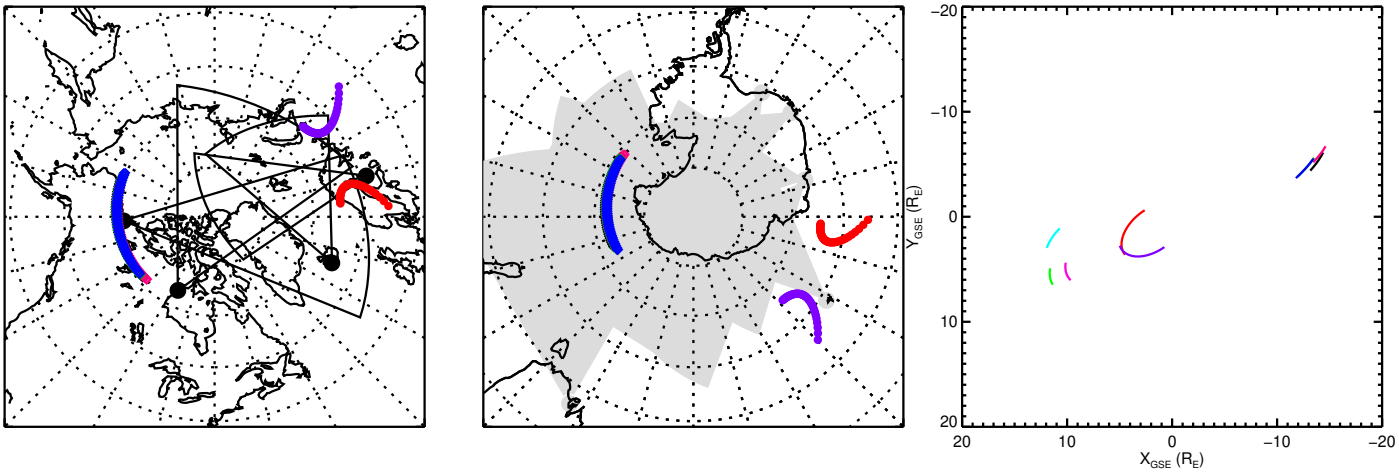


bpk tig unw

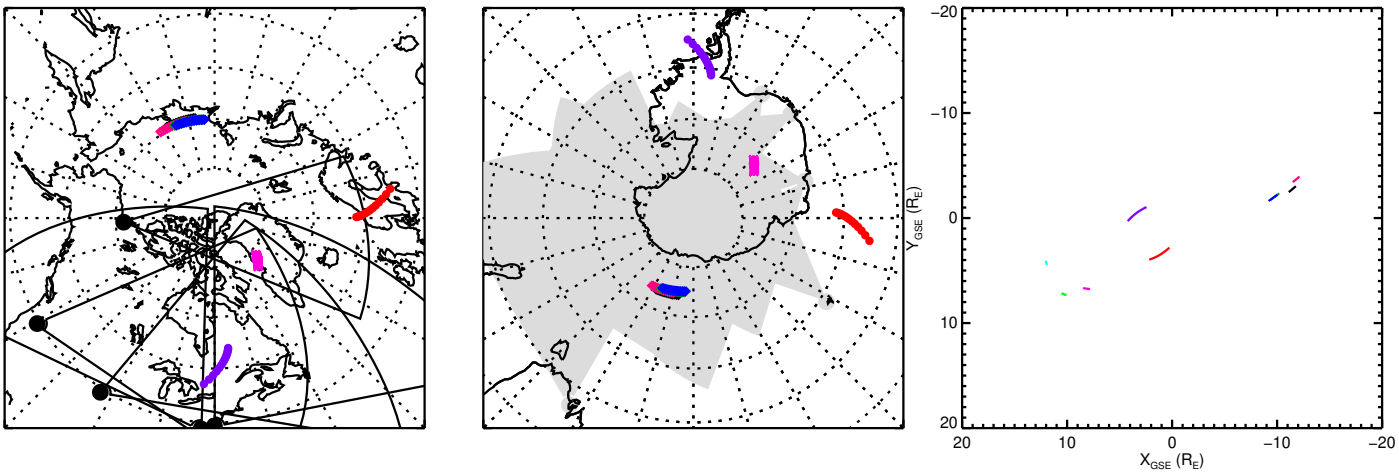




(c) 0925UT to 1300UT
han inv pyk rkn

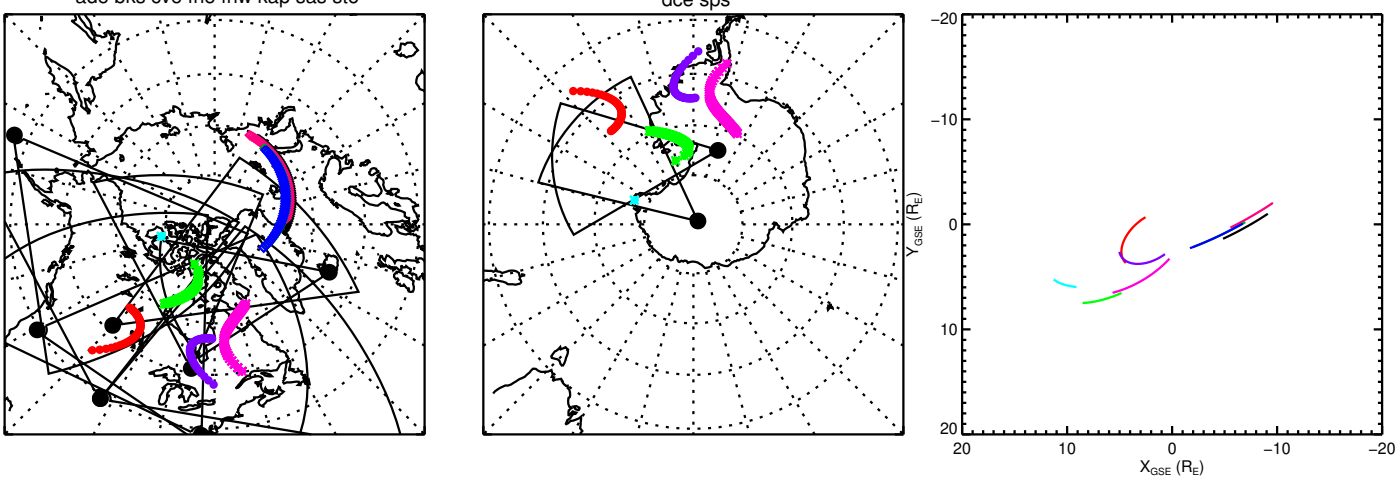


(d) 1510UT to 1615UT
bks cve fhe inv wal



(e) 1820UT to 2205UT
ade bks cve fhe fhw kap sas sto

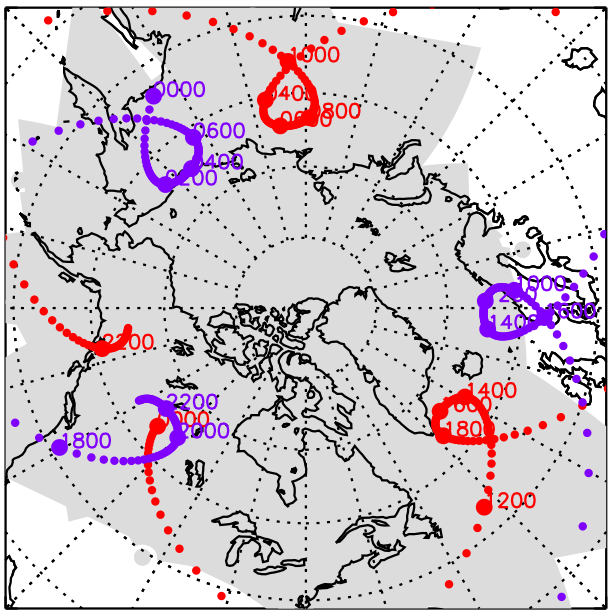
dce sps

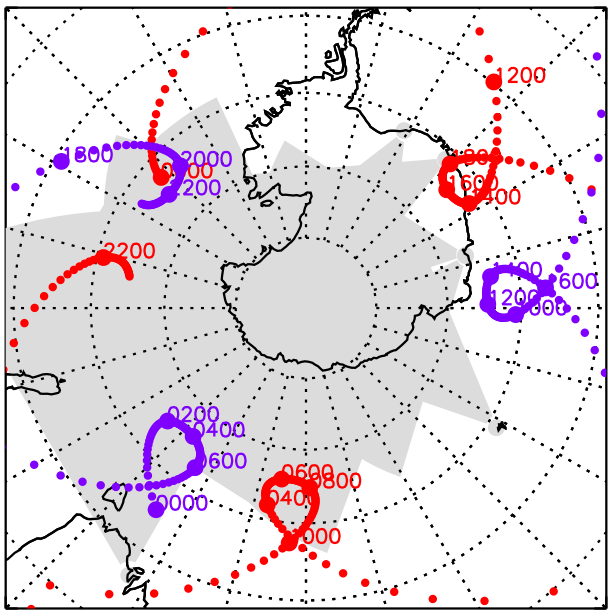


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

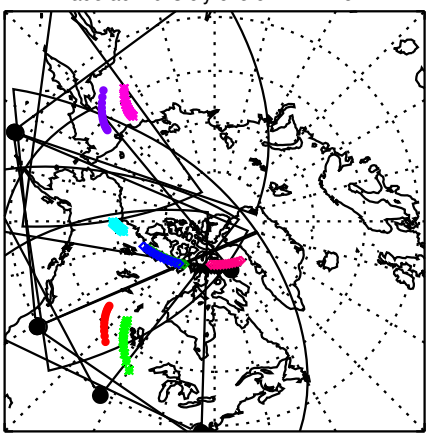
05–Aug–2017

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

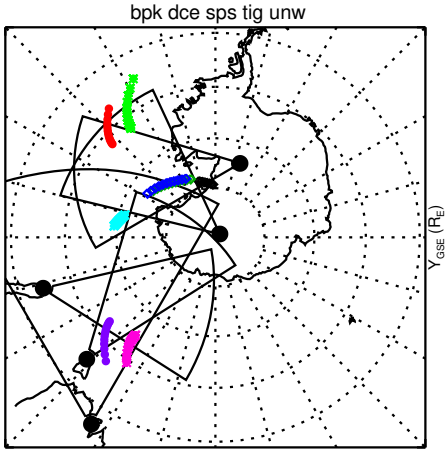


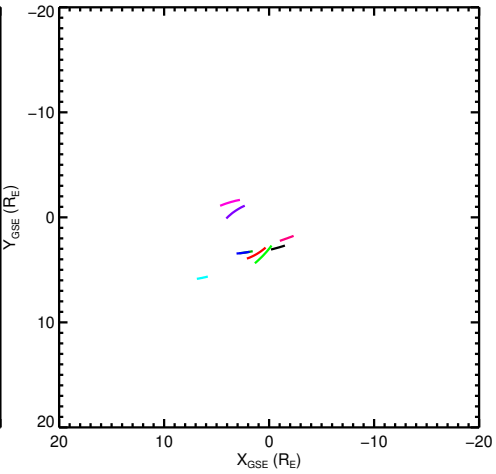


(a) 0010UT to 0110UT
ade adw bks cly cve cvw fhw hok

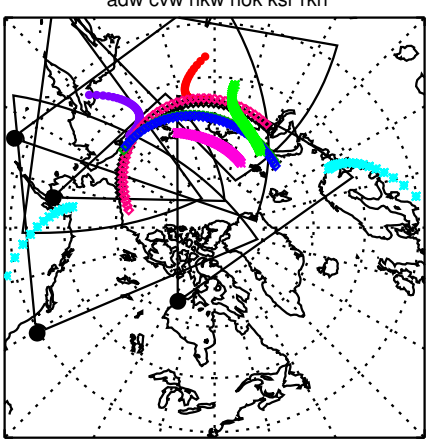


bpk dce sps tig unw

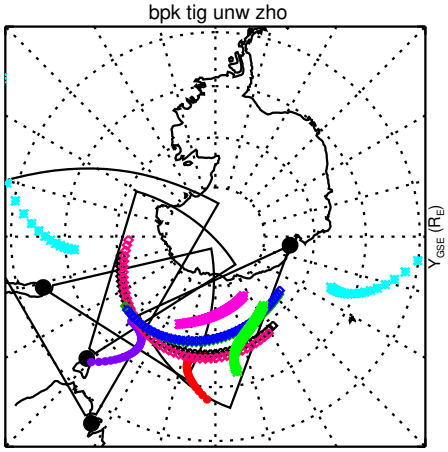


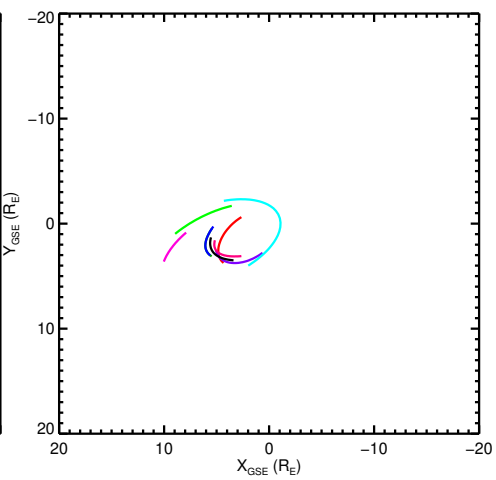


(b) 0320UT to 0710UT
adw cvw hkw hok ksr rkn

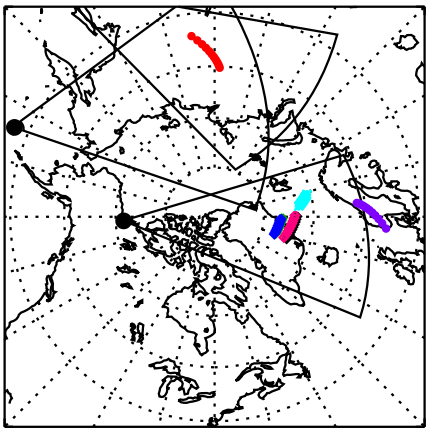


bpk tig unw zho

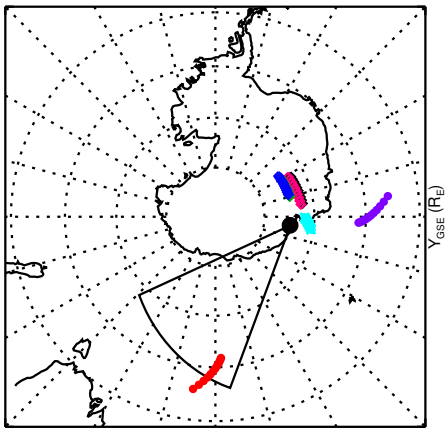


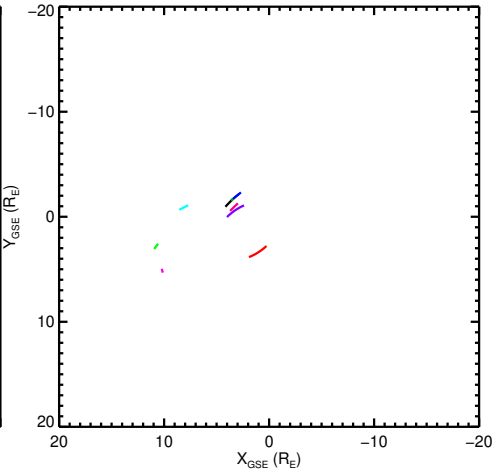


(c) 0915UT to 1010UT
adw hkw inv

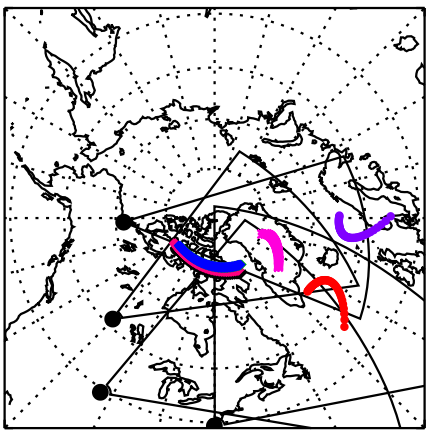


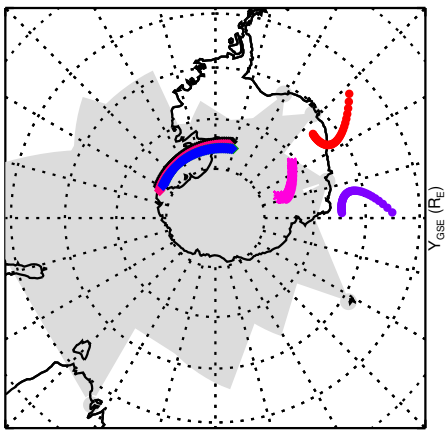
zho

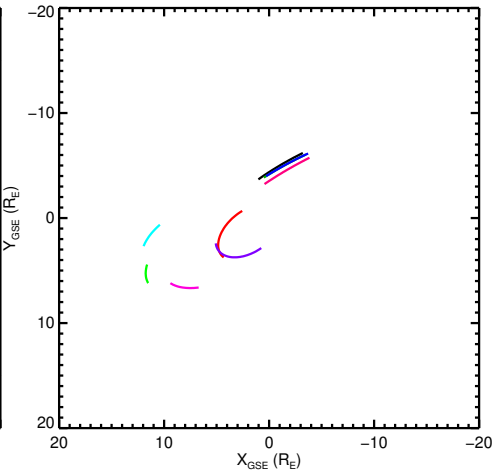




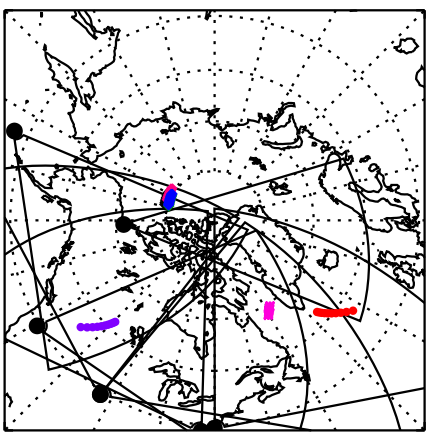
(d) 1215UT to 1610UT
fhe inv sas wal



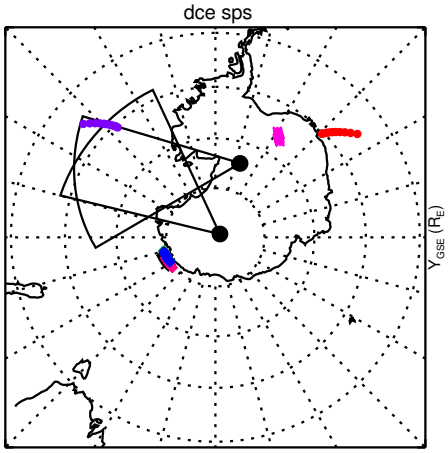


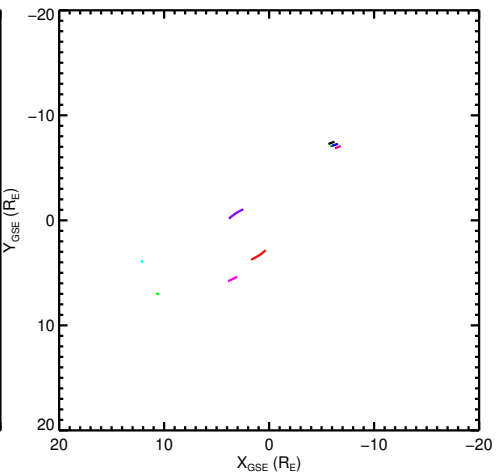


(e) 1820UT to 1905UT
ade bks cve fhe fhw inv wal

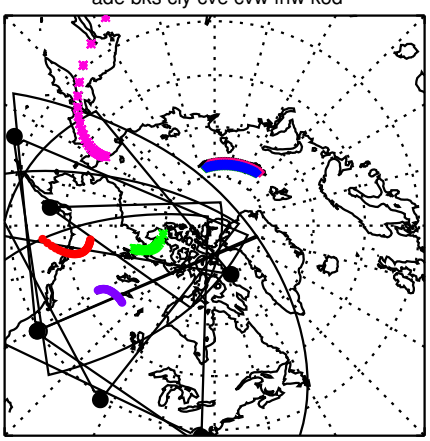


dce sps

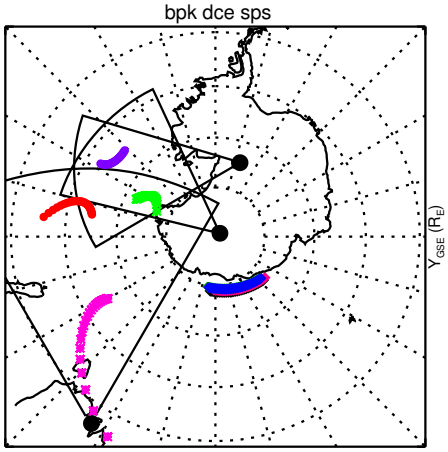


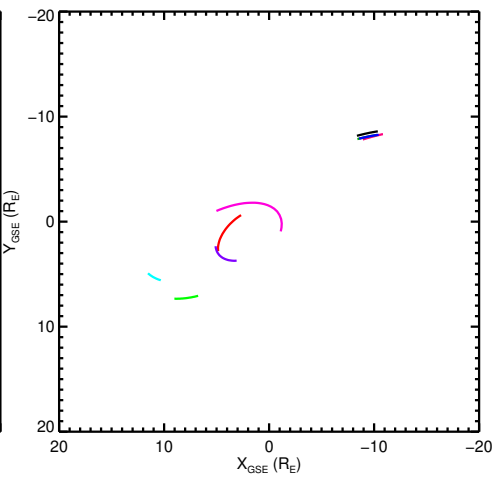


(f) 2115UT to 2355UT
ade bks cly cve cvw fhw kod



bpk dce sps

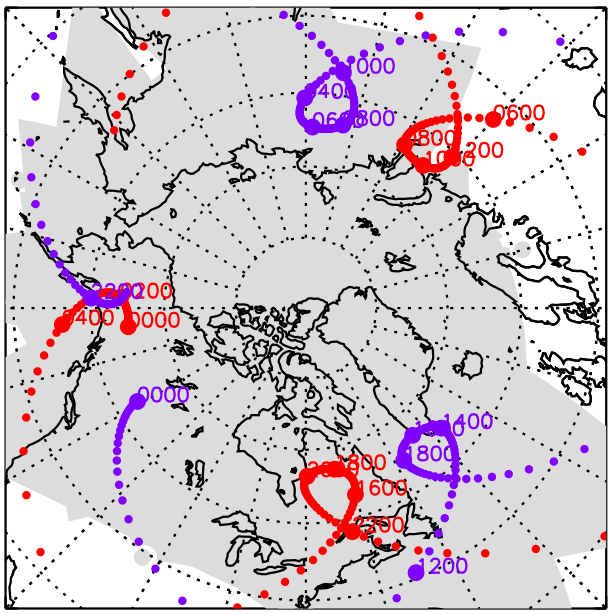


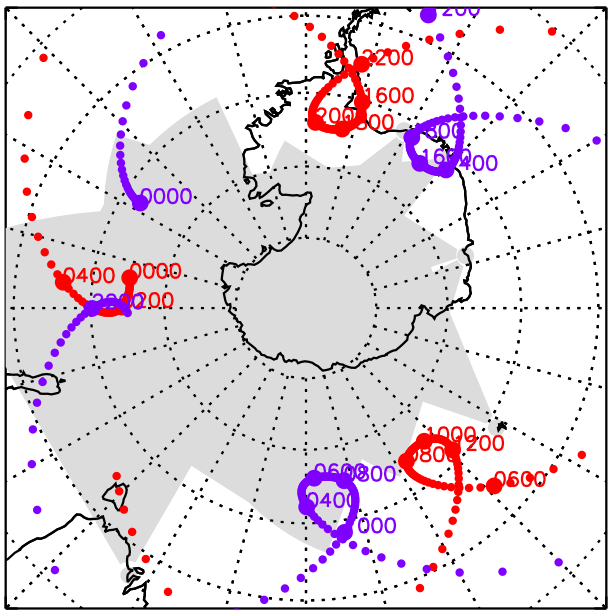


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

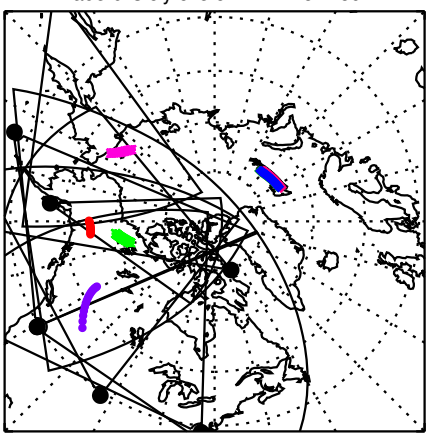
06–Aug–2017

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

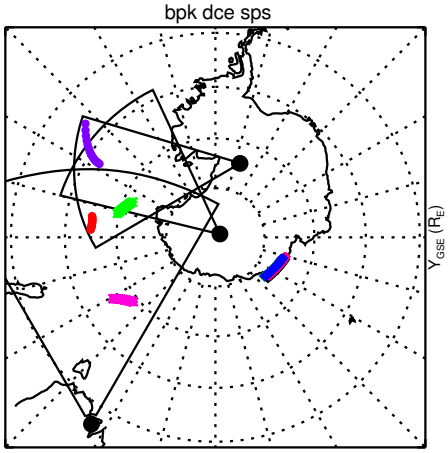


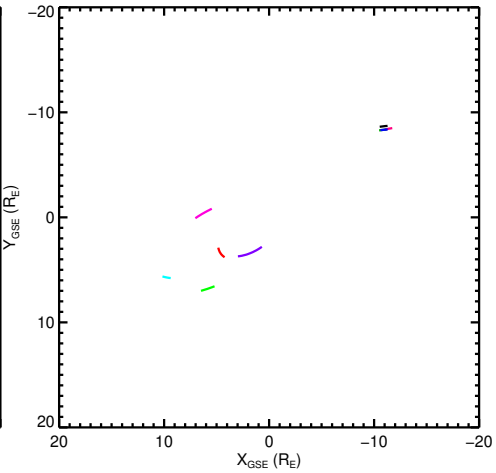


(a) 0000UT to 0115UT
ade bks cly cve cvw fhw hok kod

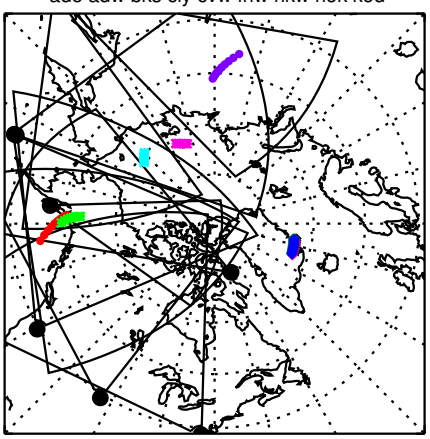


bpk dce sps

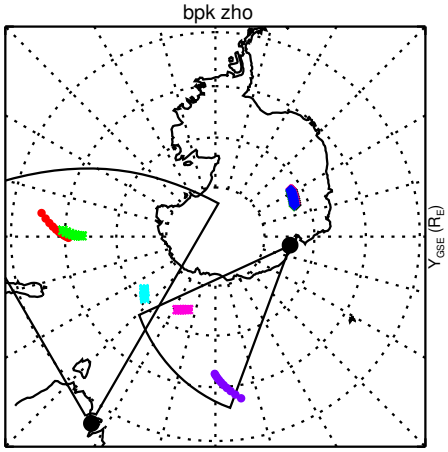


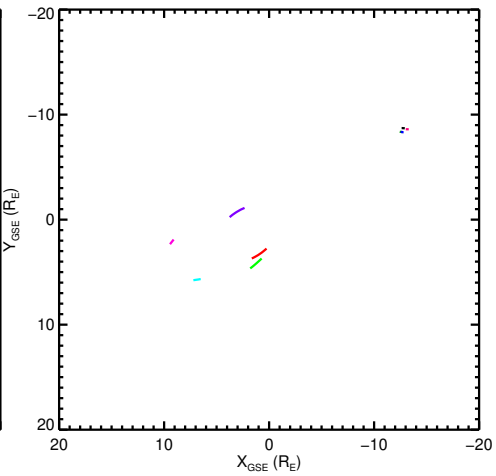


(b) 0320UT to 0405UT
ade adw bks cly cvw fhw hkw hok kod

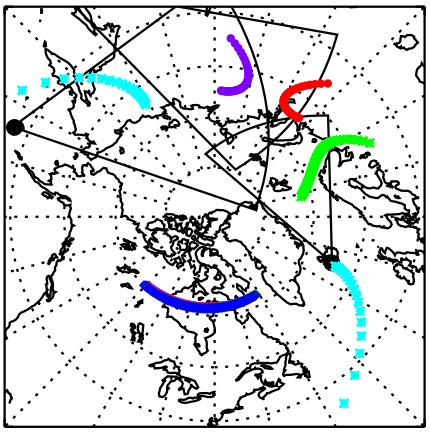


bpk zho

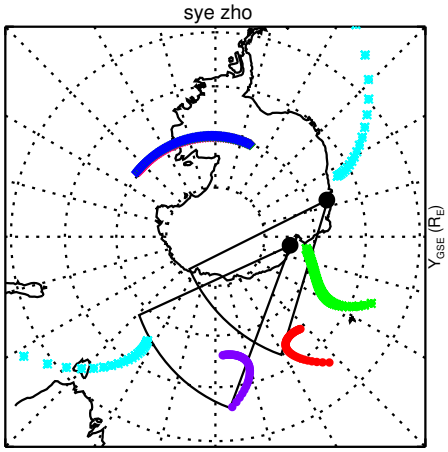


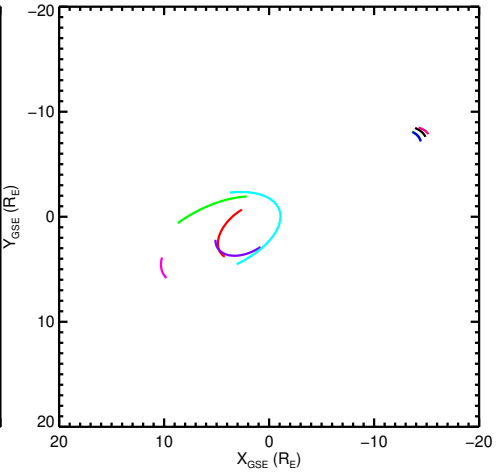


(c) 0610UT to 1015UT
adw hkw pyk

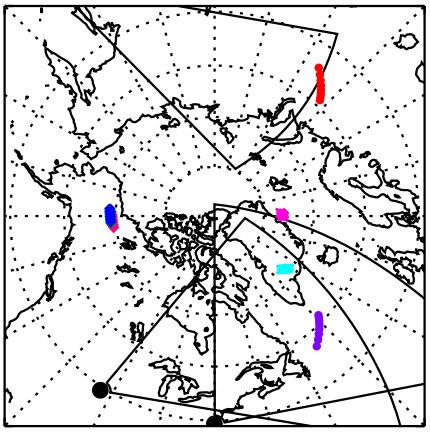


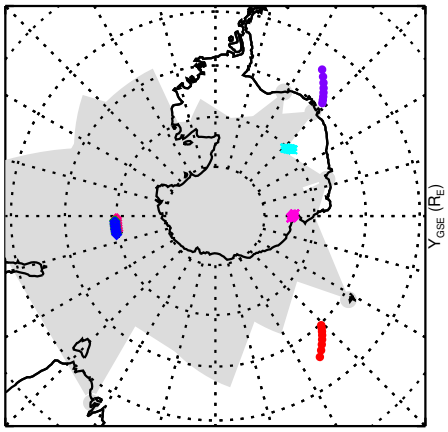
sye zho

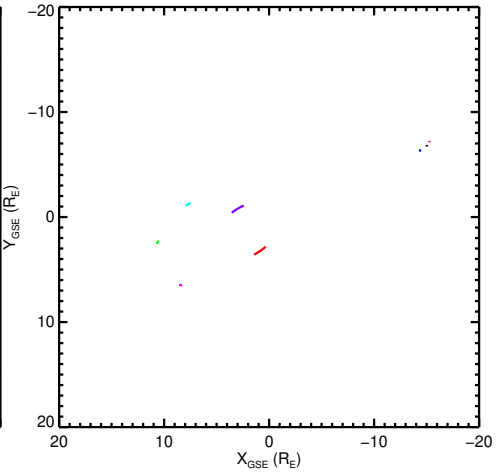




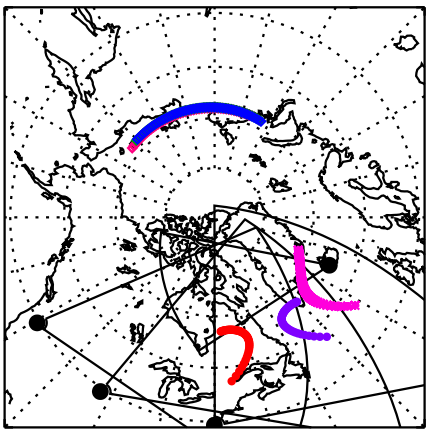
(d) 1225UT to 1300UT
fhe hkw wal



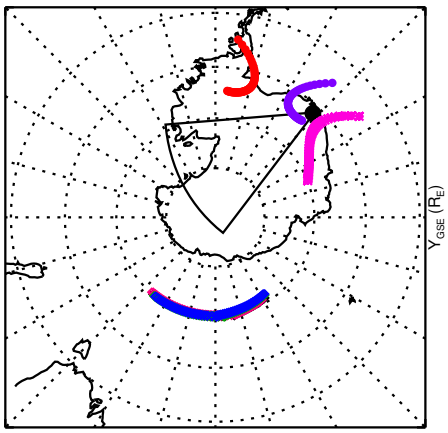


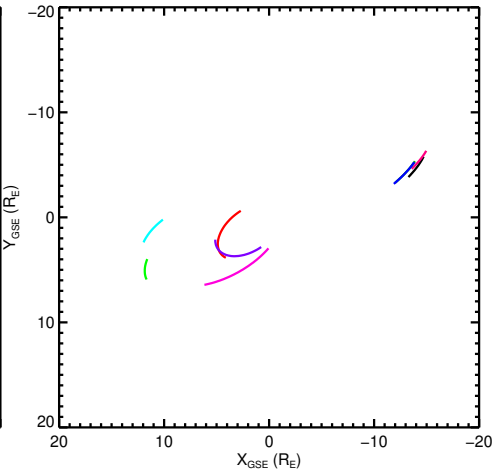


(e) 1510UT to 1920UT
cve fhe sto wal

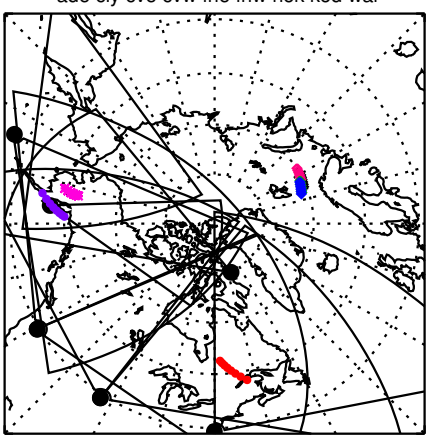


san

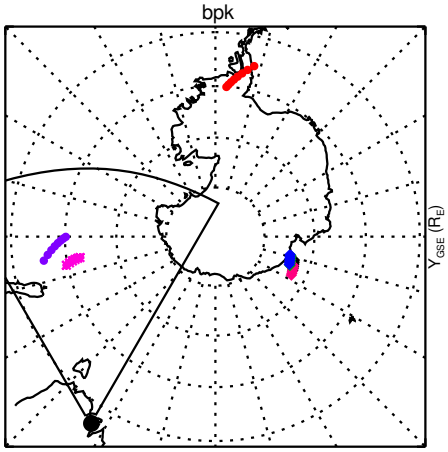


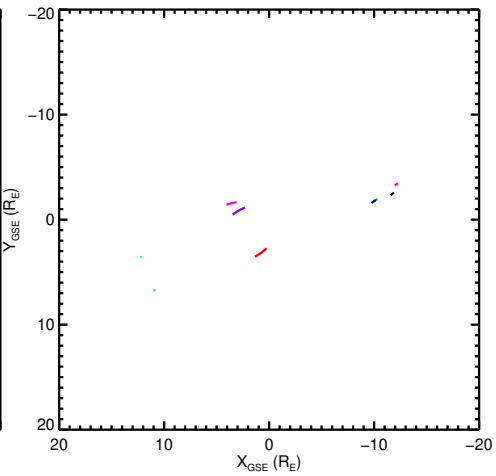


(f) 2125UT to 2200UT
ade cly cve cvw fhe fhw hok kod wal



bpk

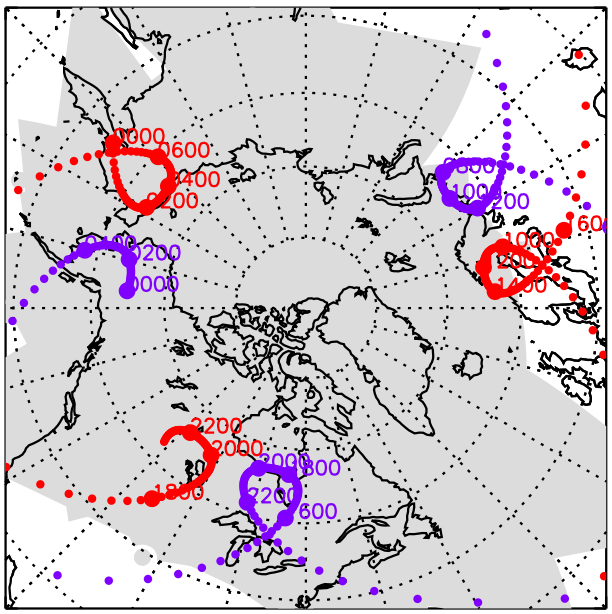


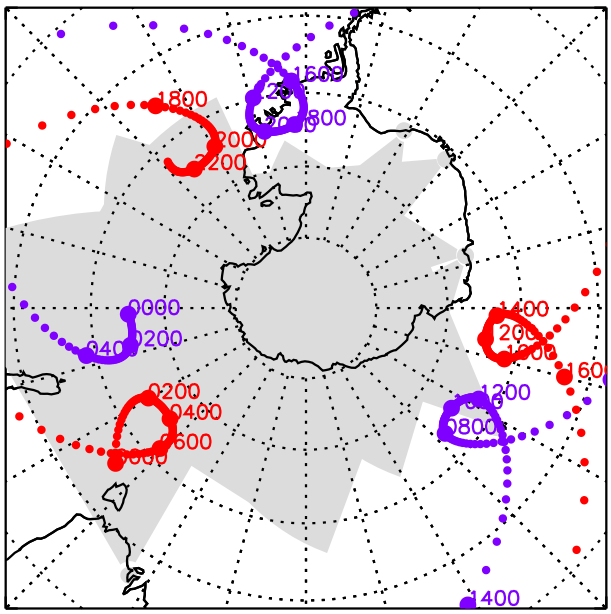


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

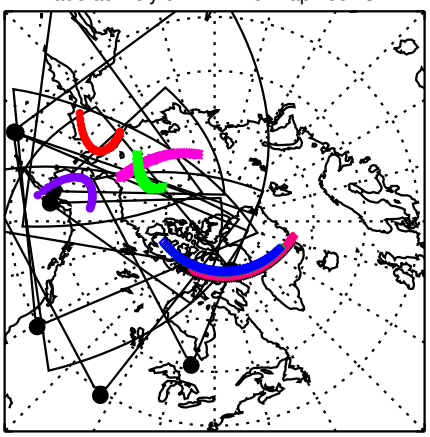
07–Aug–2017

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

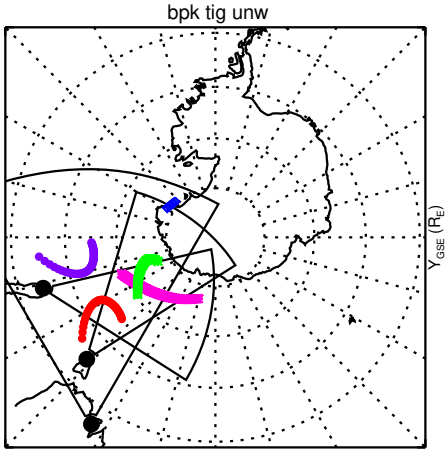


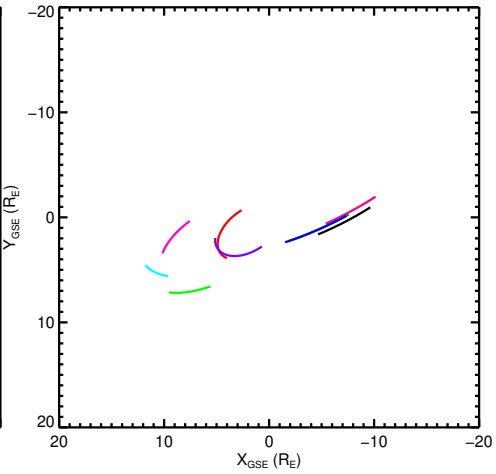


(a) 0005UT to 0425UT
ade adw cly cvw fhw hok kap kod ksr

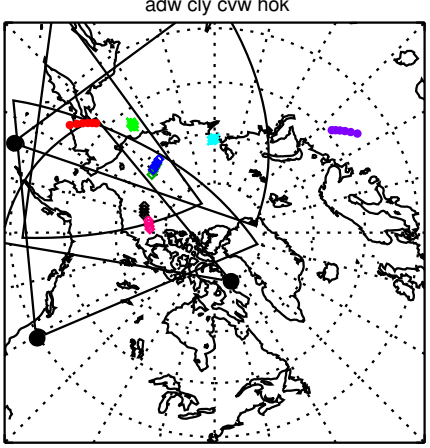


bpk tig unw

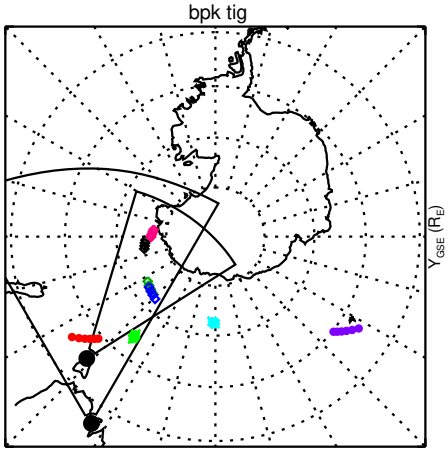


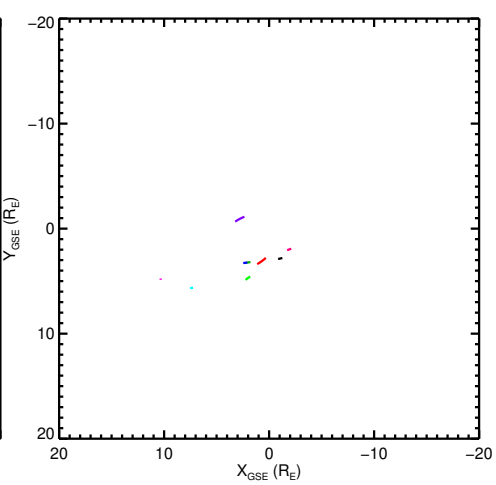


(b) 0630UT to 0655UT
adw cly cvw hok



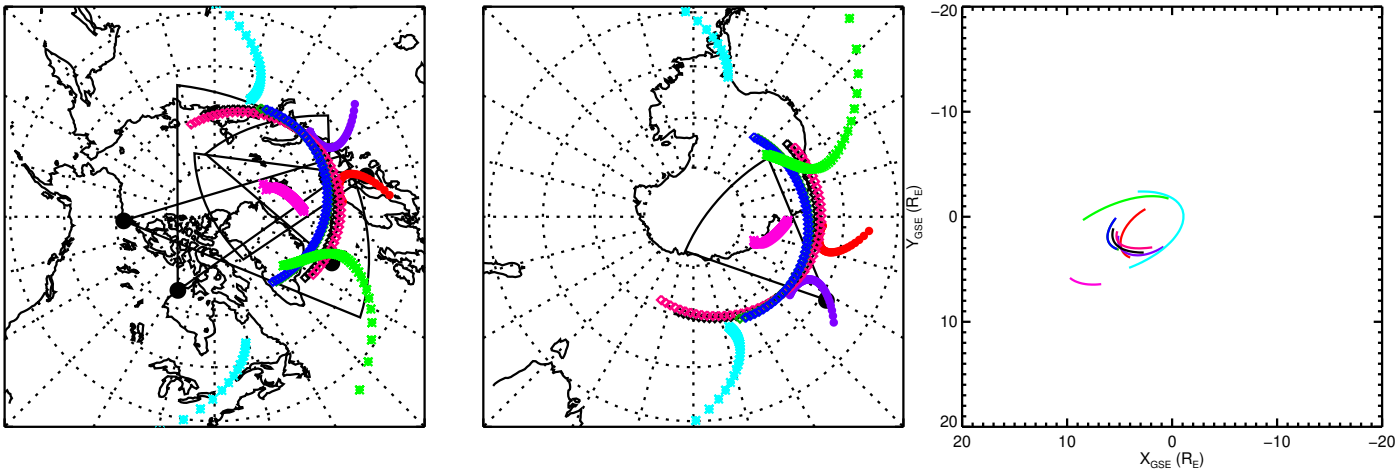
bpk tig



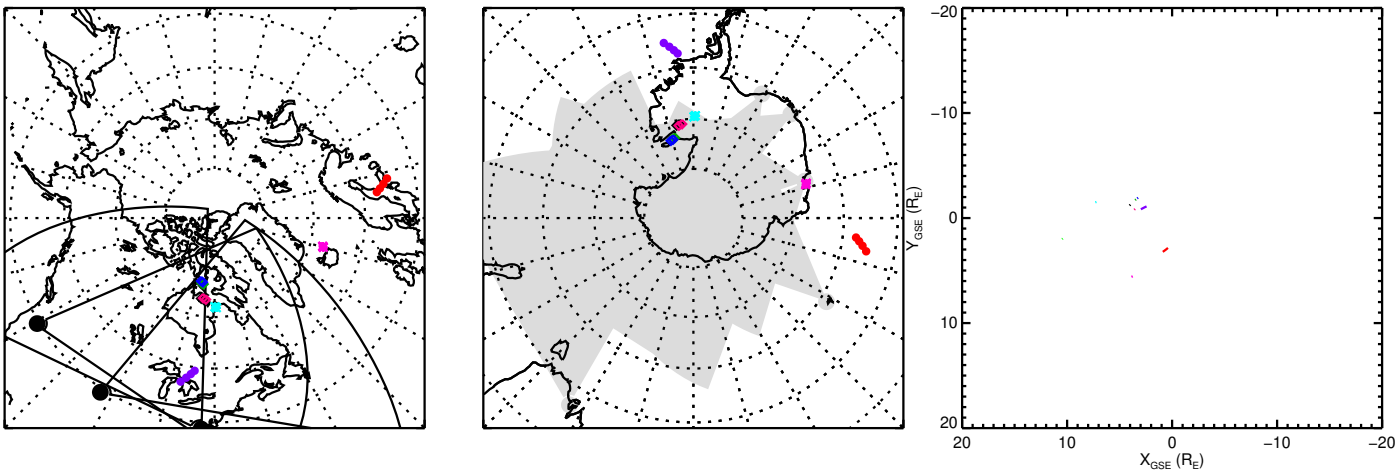


(c) 0900UT to 1325UT
han inv pyk rkn

ker

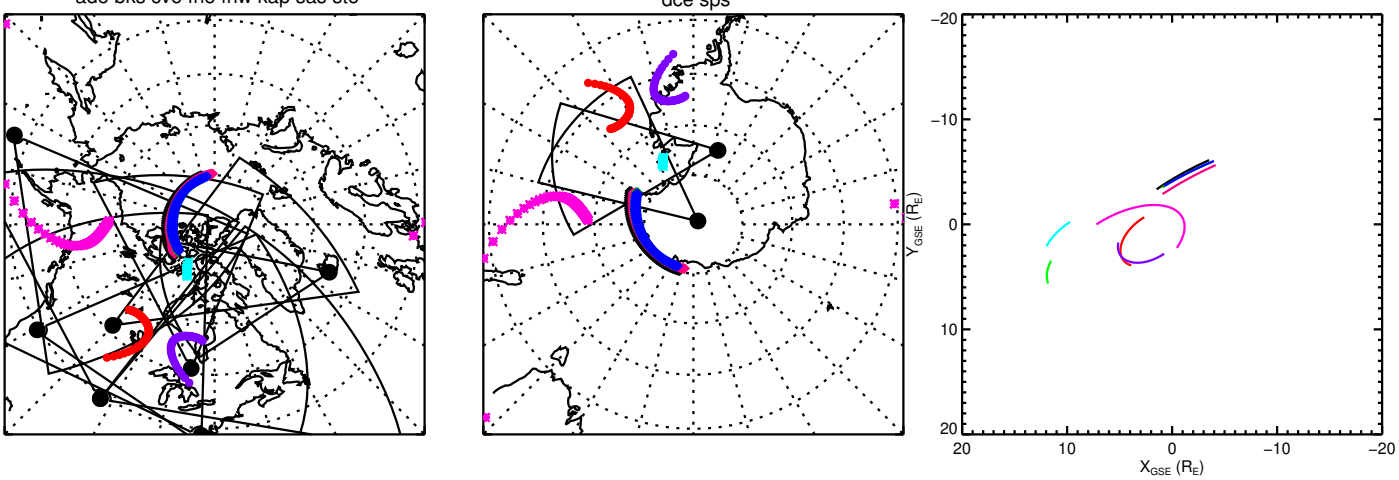


(d) 1535UT to 1550UT
bks cve fhe



(e) 1800UT to 2230UT
ade bks cve fhe fhw kap sas sto

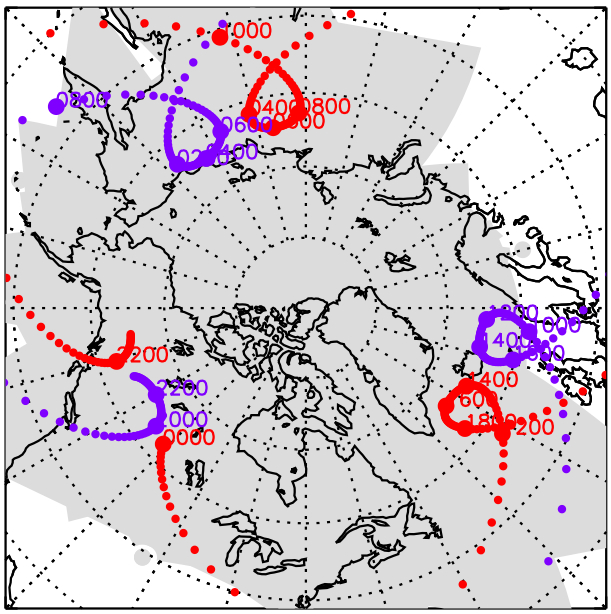
dce sps

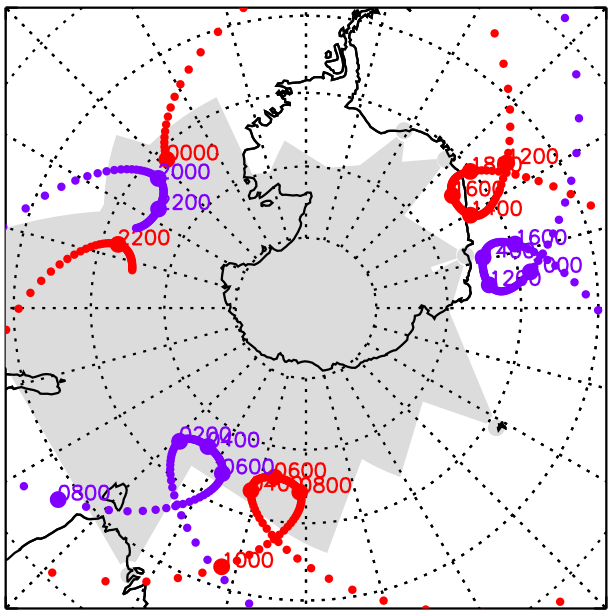


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

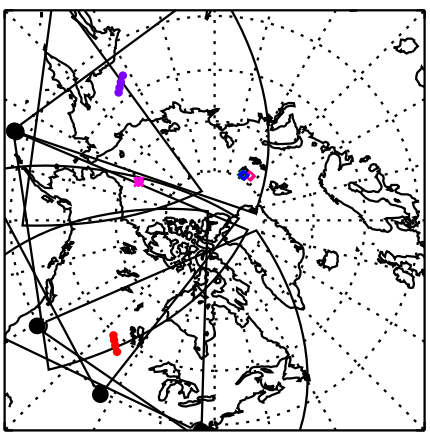
08–Aug–2017

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

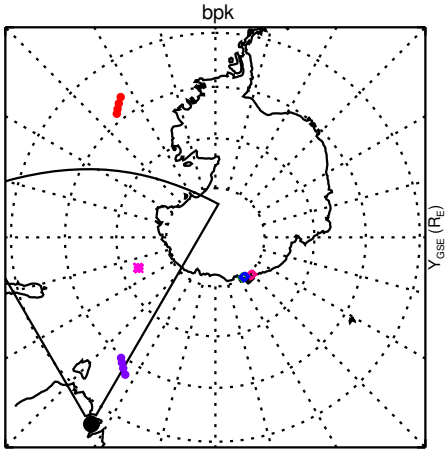


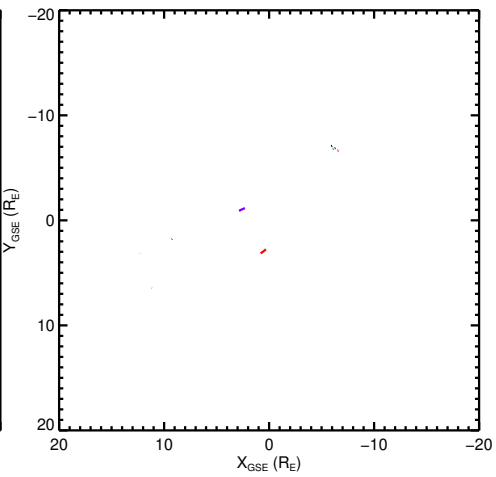


(a) 0035UT to 0050UT
ade adw bks cve fhw hok

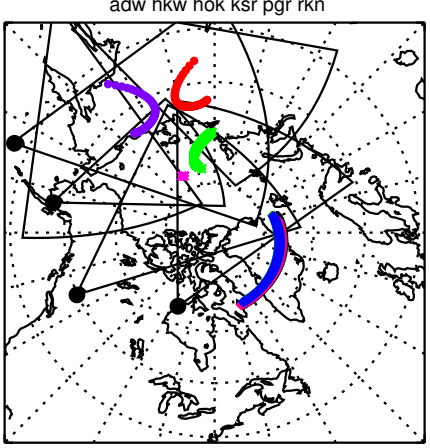


bpk

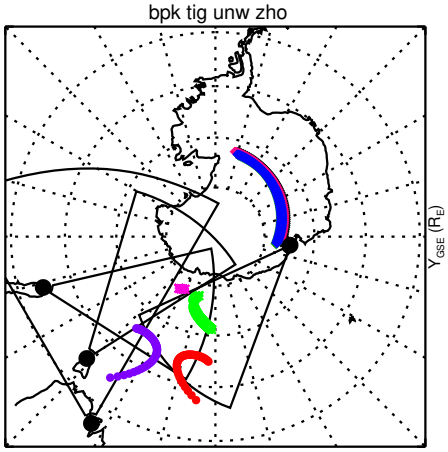


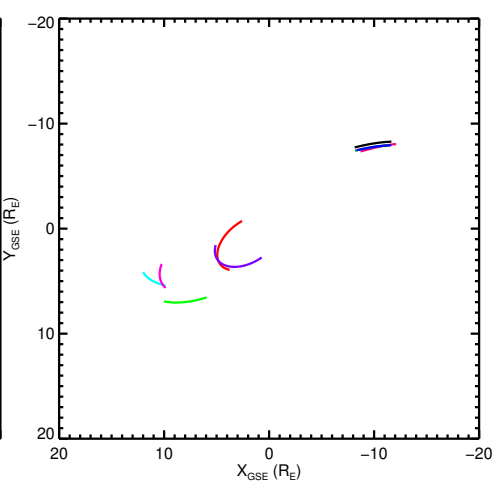


(b) 0255UT to 0735UT
adw hkw hok ksr pgr rkn

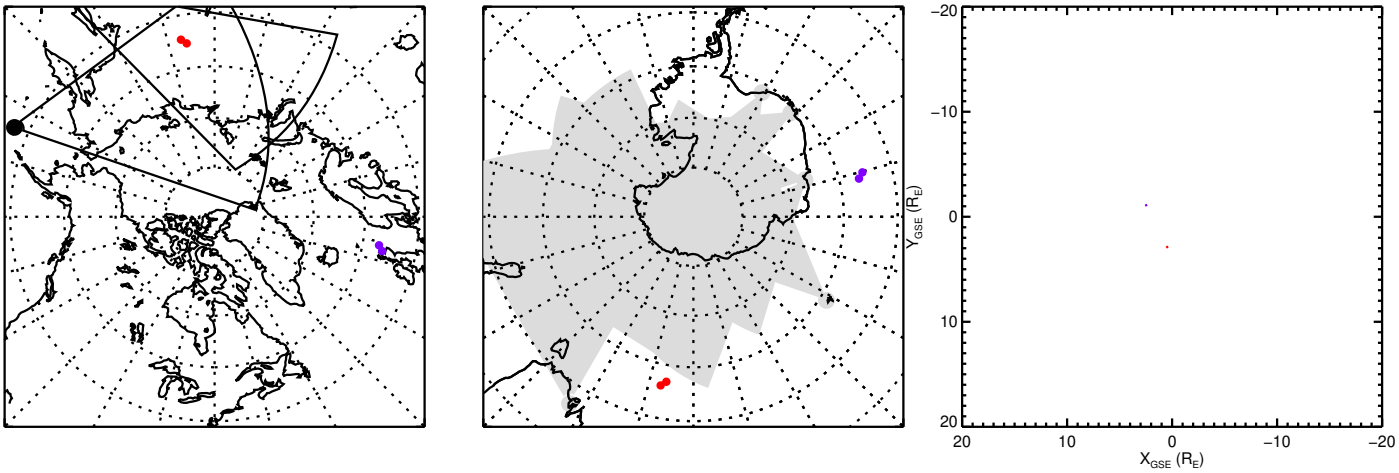


bpk tig unw zho

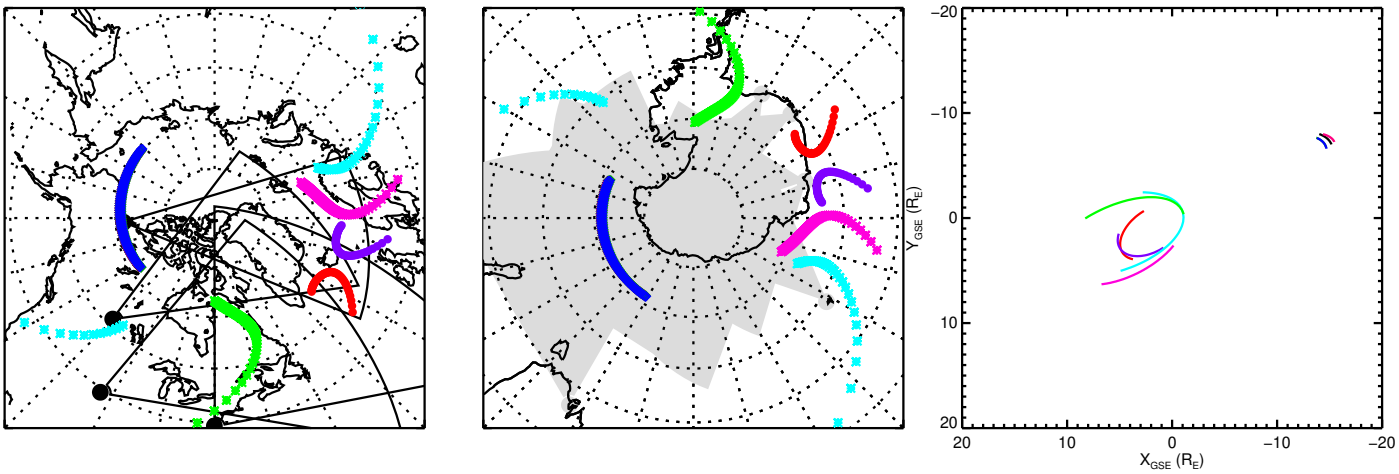




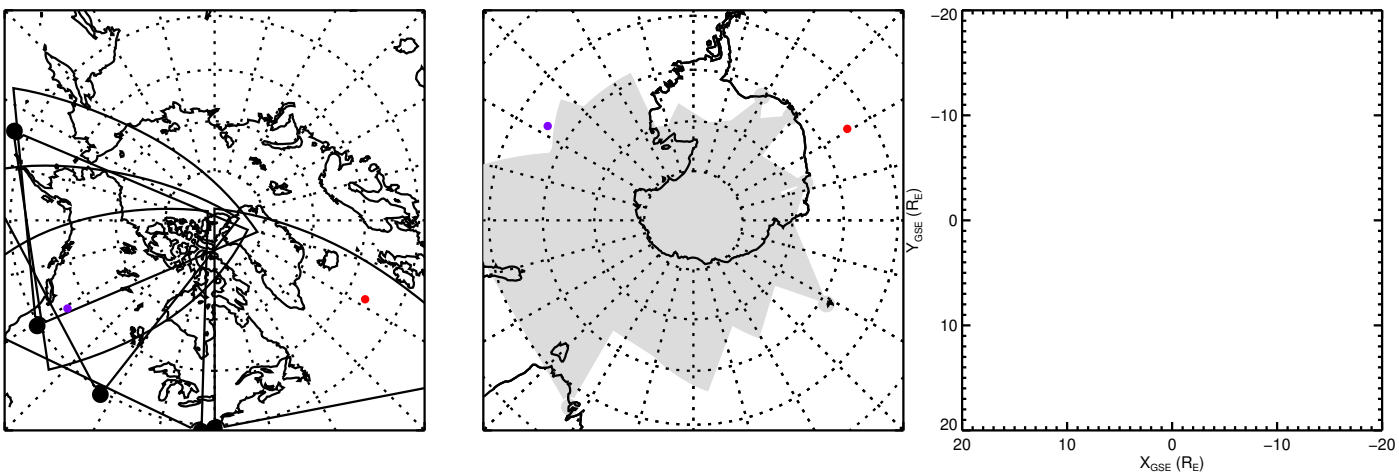
(c) 0940UT to 0945UT
adw hkw



(d) 1155UT to 1635UT
fhe inv sas wal

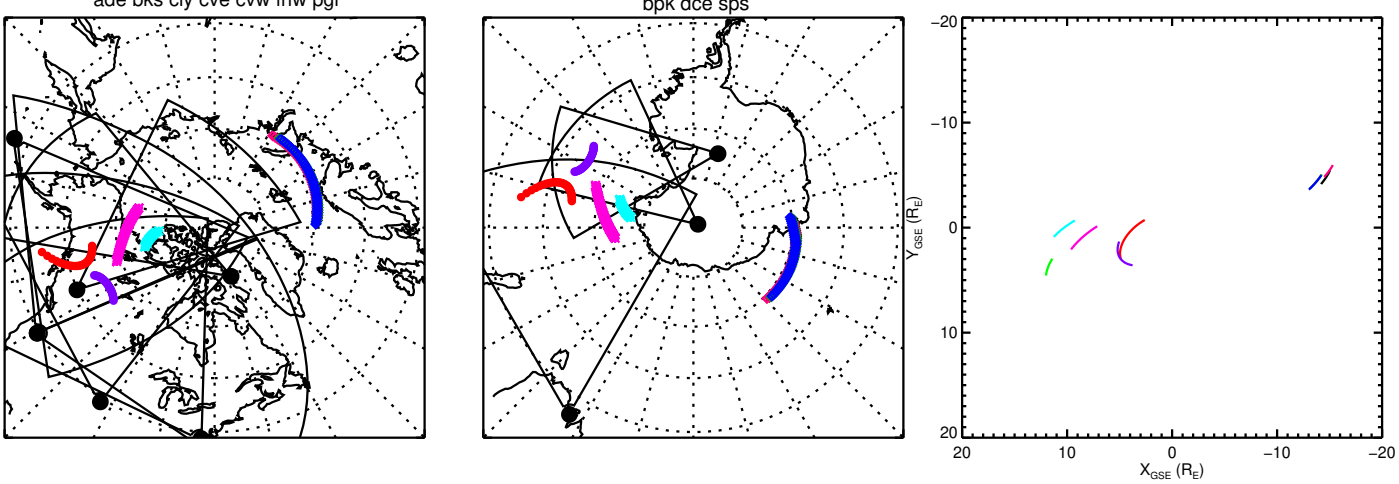


(e) 1845UT to 1845UT
ade bks cvw fhw wal



(f) 2050UT to 2355UT
ade bks cly cve cvw fhw pgr

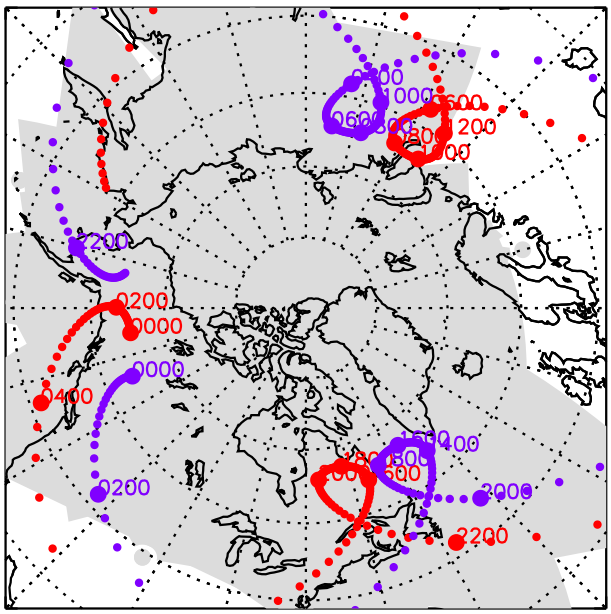
bpk dce sps

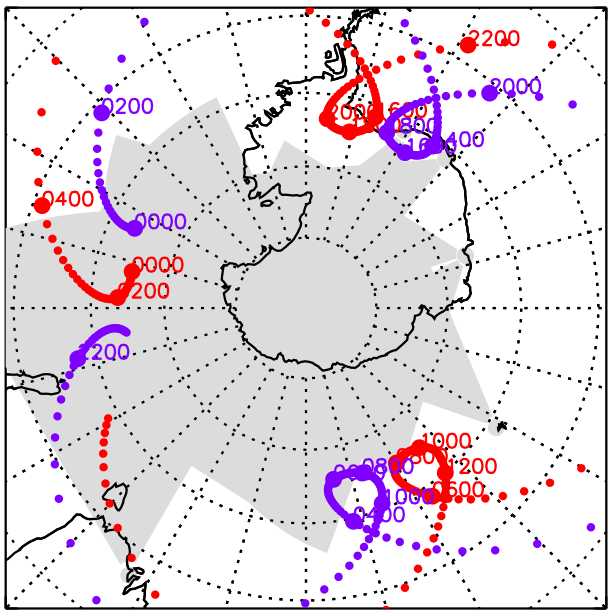


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

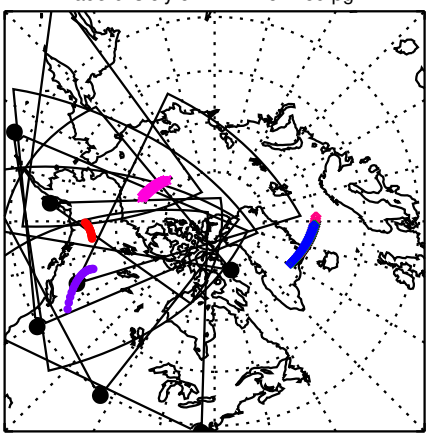
09–Aug–2017

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

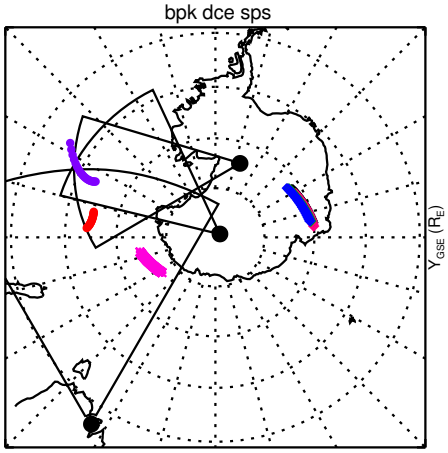


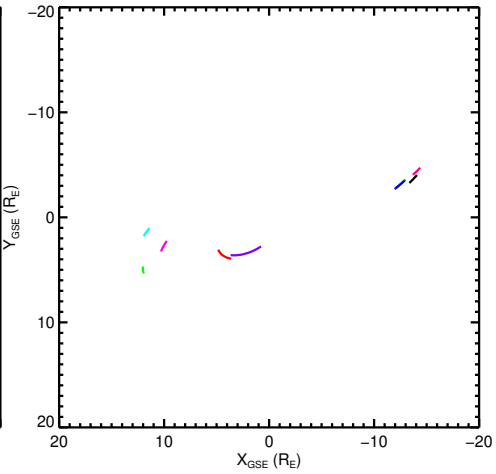


(a) 0000UT to 0140UT
ade bks cly cvw fhw hok kod pgr

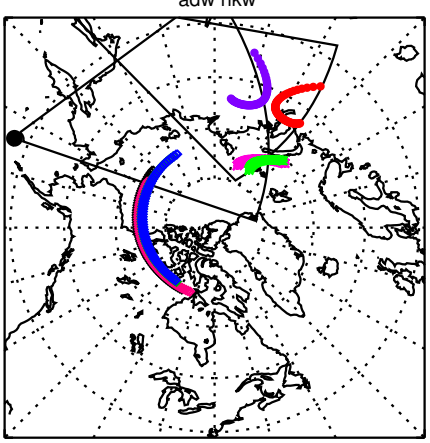


bpk dce sps

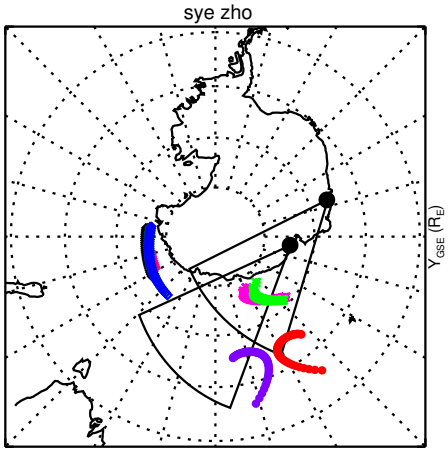


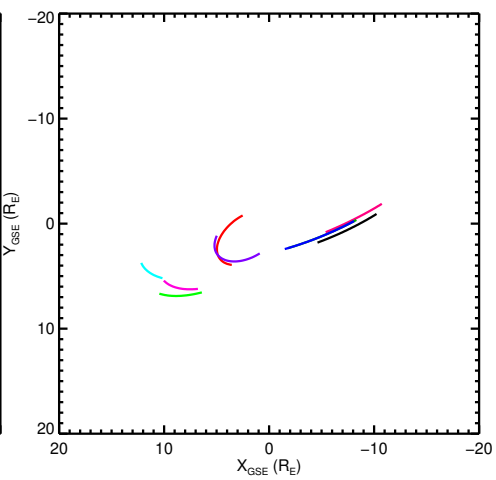


(b) 0545UT to 1040UT
adw hkw

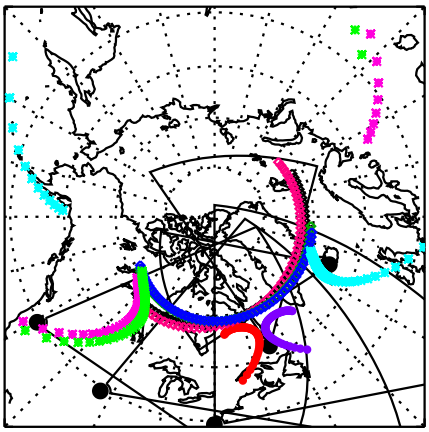


sye zho





(c) 1445UT to 1945UT
cve fhe gbr sto wal



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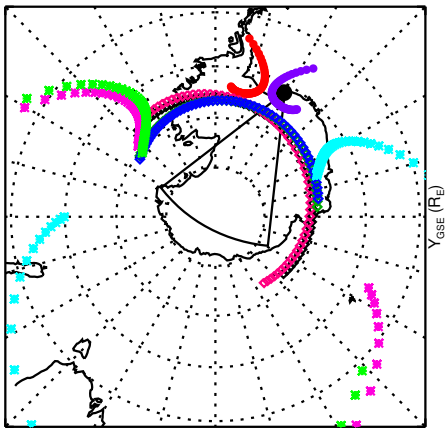
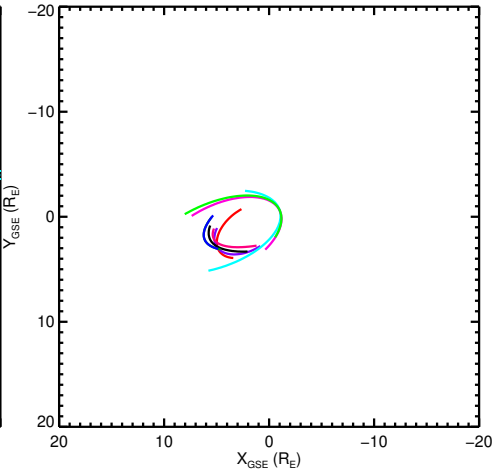
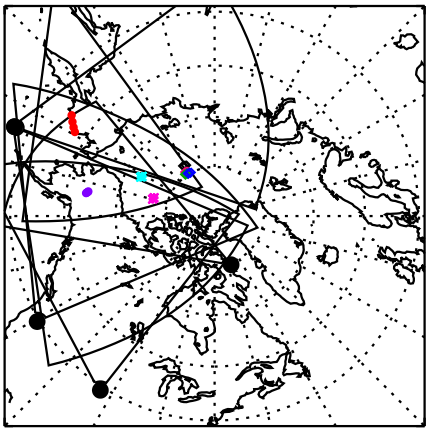
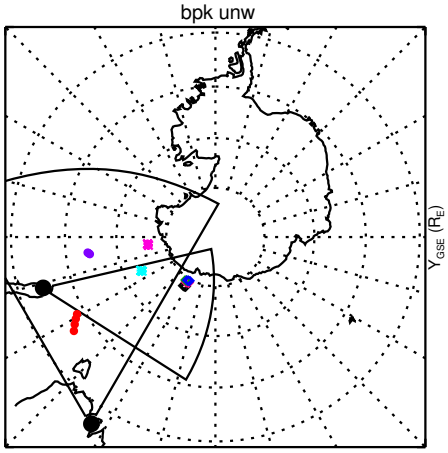


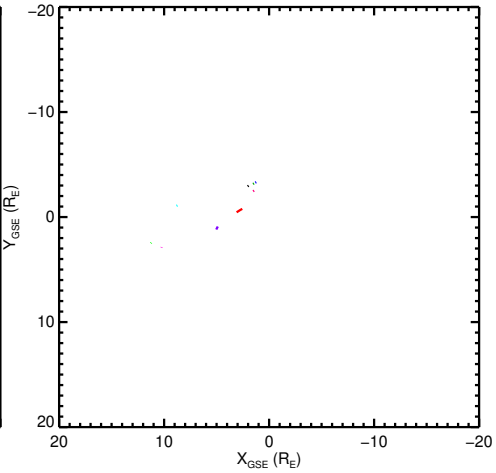


(d) 2340UT to 2355UT
ade adw cly cvw fhw hok



bpk unw

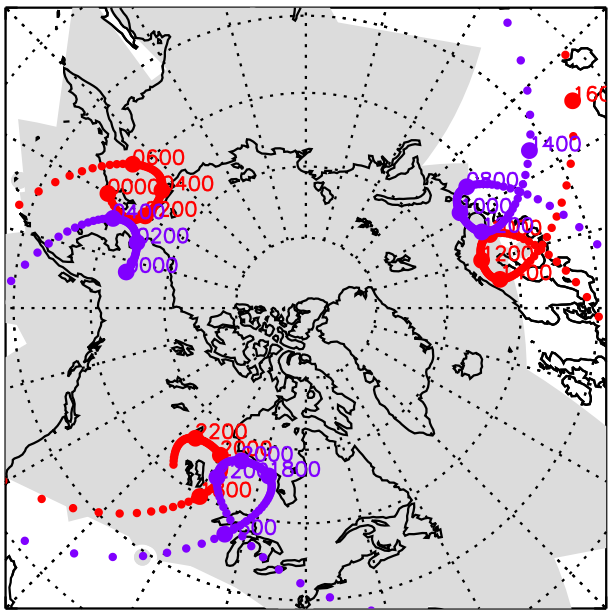


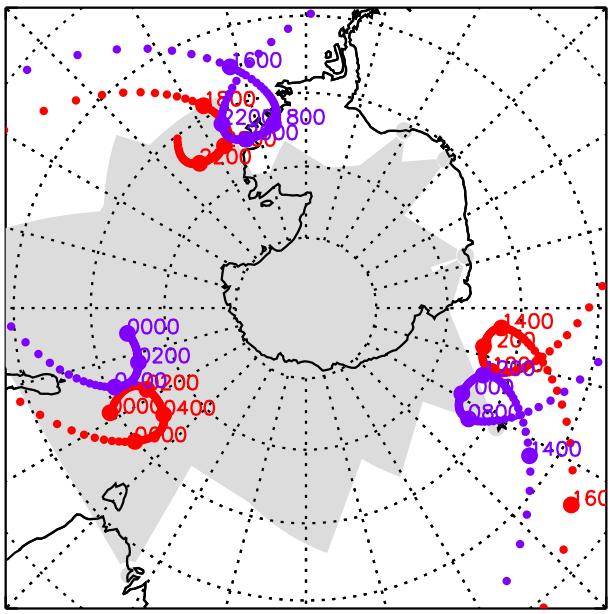


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

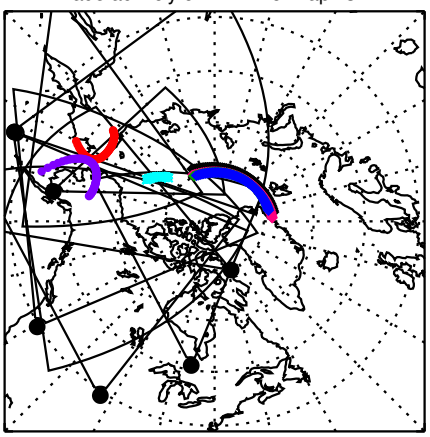
10–Aug–2017

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

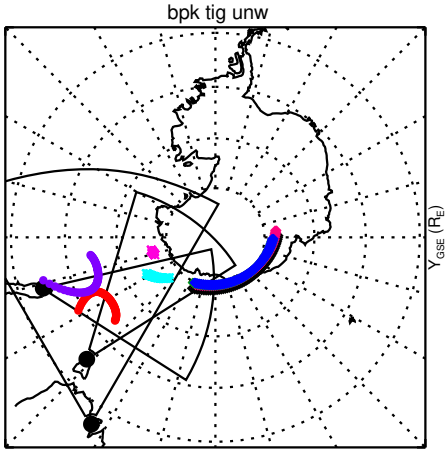


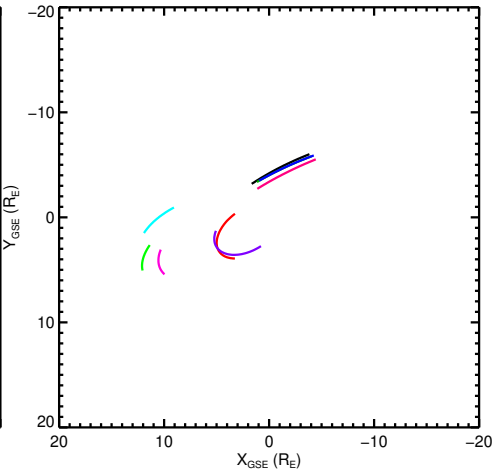


(a) 0000UT to 0450UT
ade adw cly cvw fhw hok kap ksr

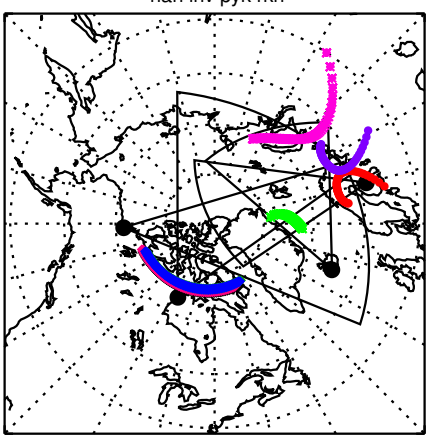


bpk tig unw

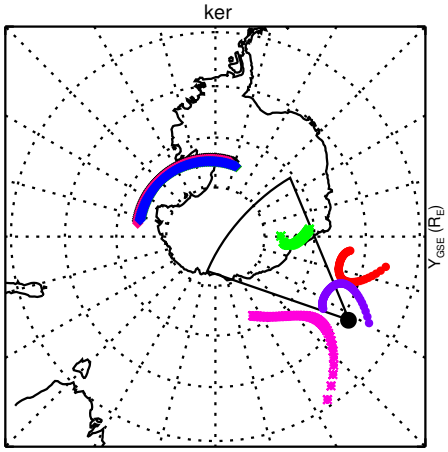


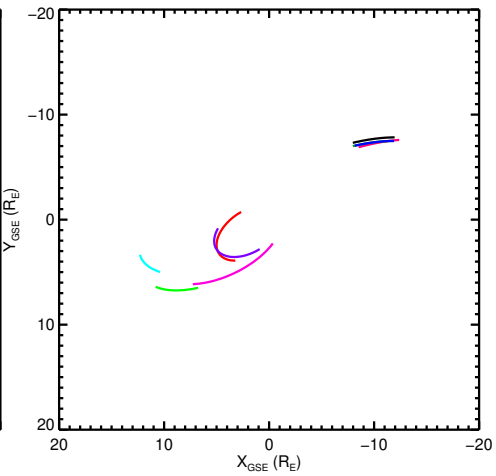


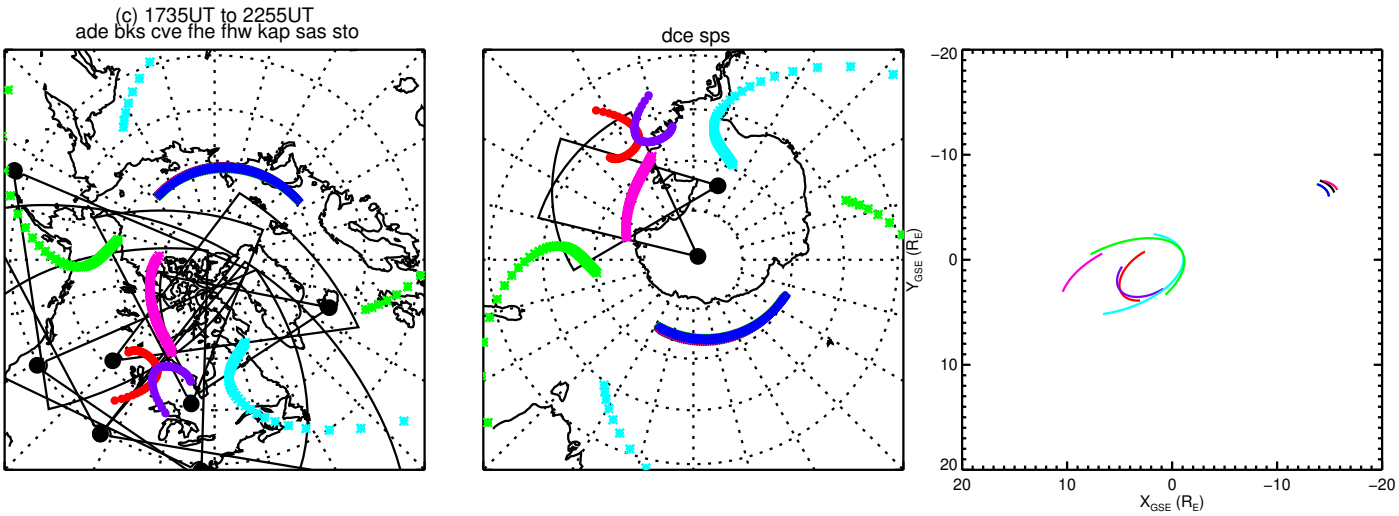
(b) 0840UT to 1350UT
han inv pyk rkn



ker



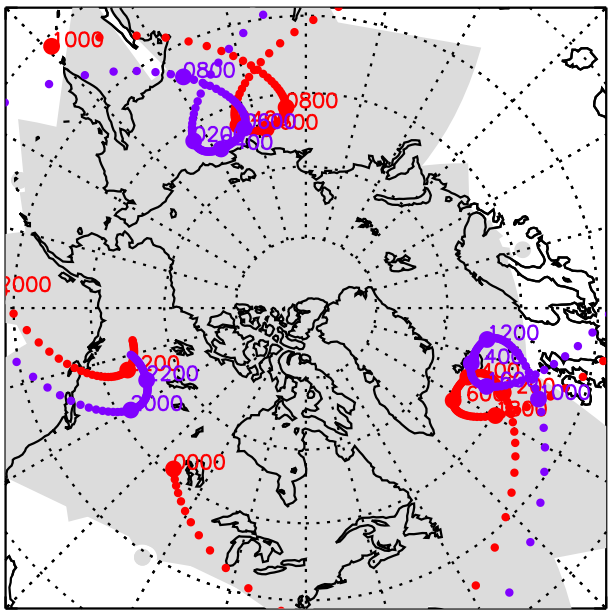


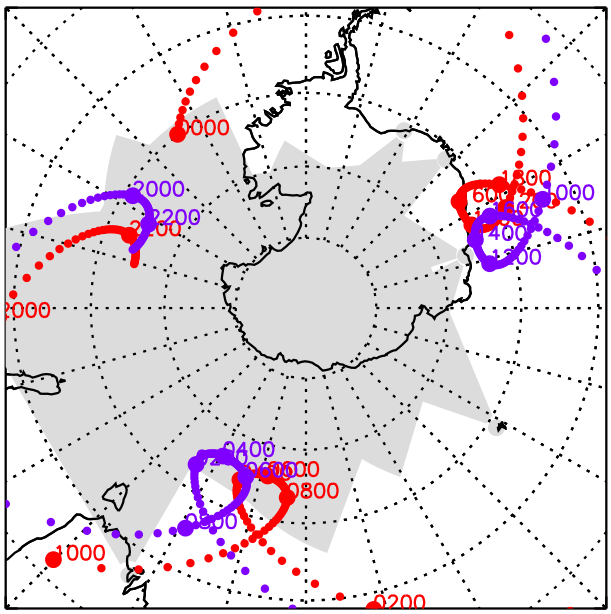

(c) 1735UT to 2255UT
ade bks cve fhe fhw kap sas sto
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

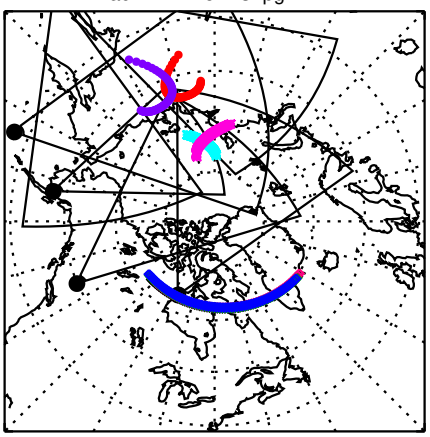
11–Aug–2017

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

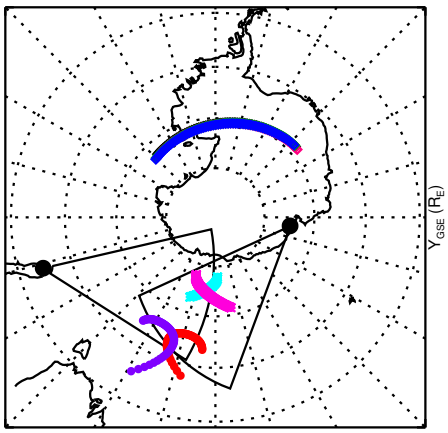


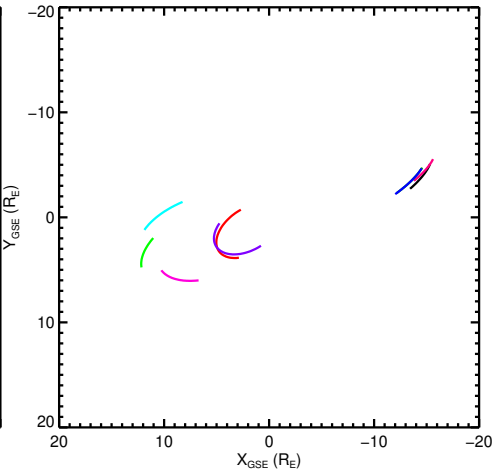


(a) 0235UT to 0800UT
adw hkw hok ksr pgr rkn

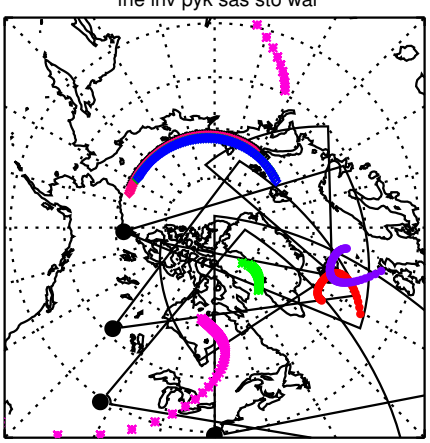


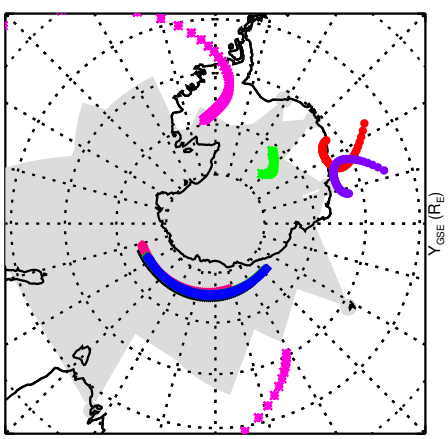
unw zho

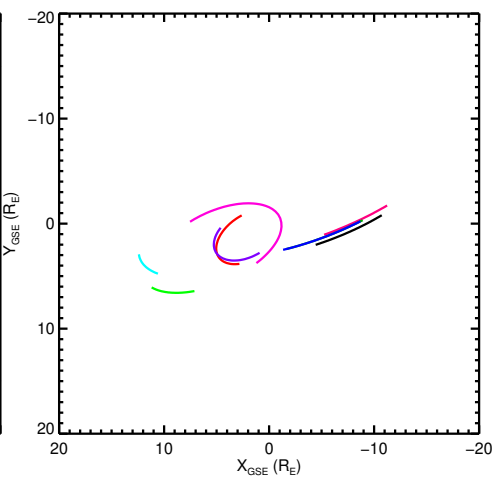


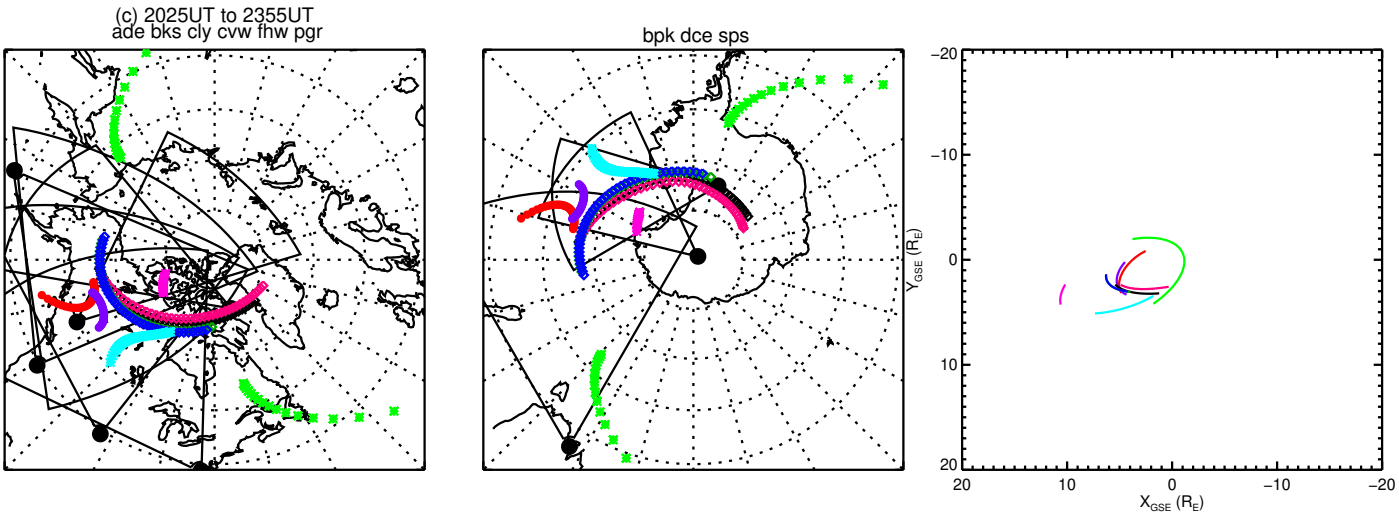


(b) 1130UT to 1700UT
fhe inv pyk sas sto wal





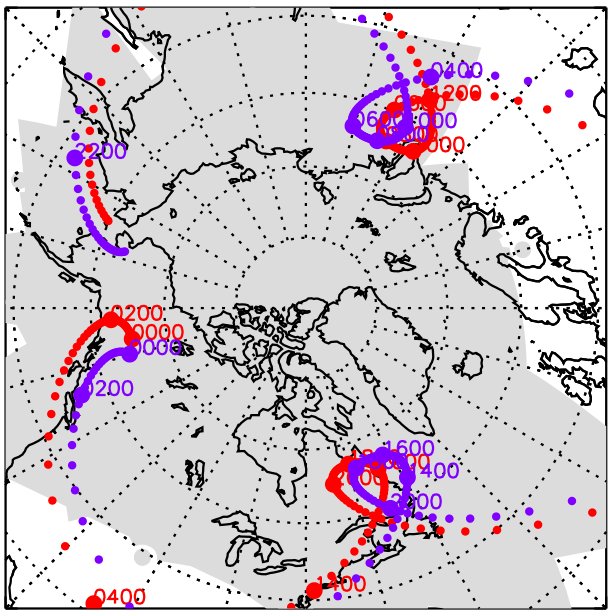


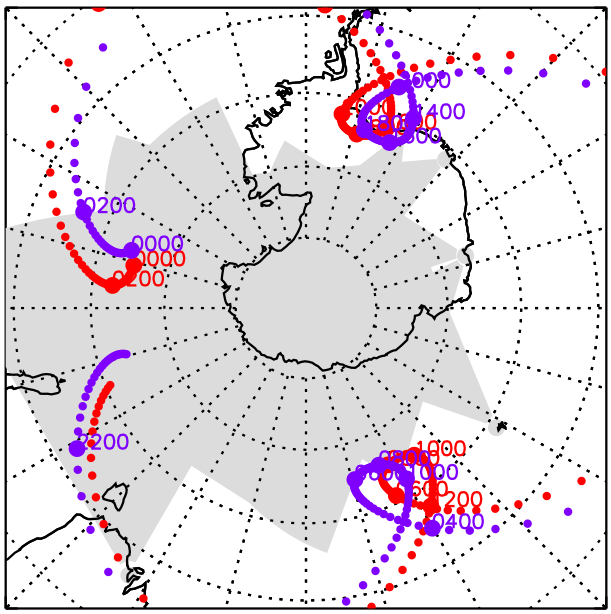

(c) 2025UT to 2355UT
ade bks cly cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

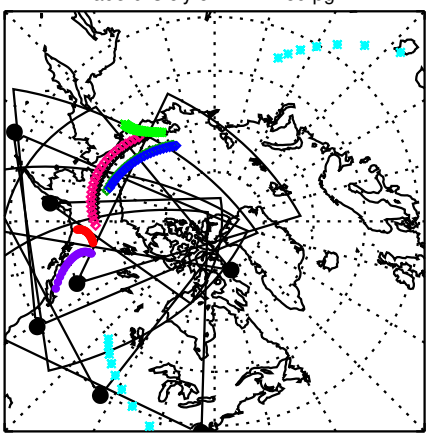
12–Aug–2017

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

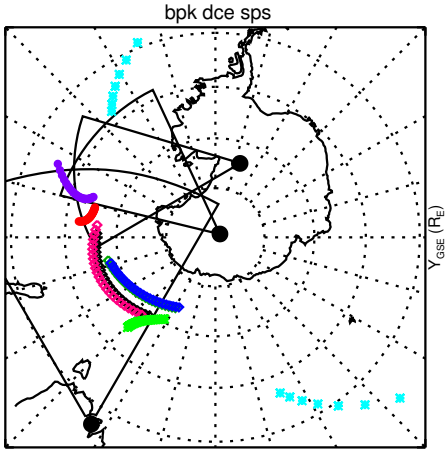


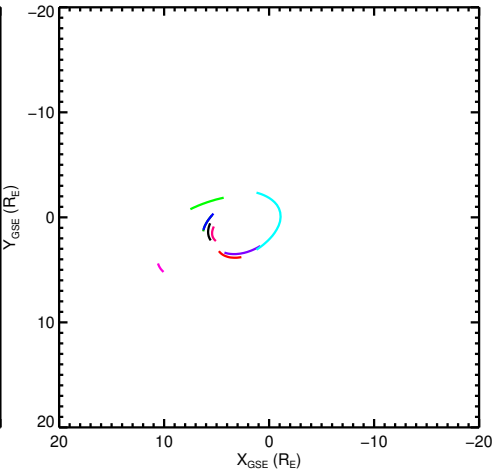


(a) 0000UT to 0205UT
ade bks cly cvw fhw kod pgr

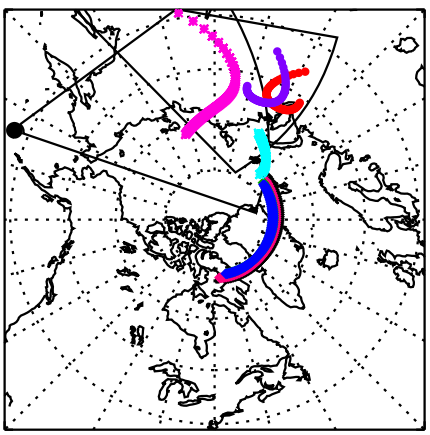


bpk dce sps

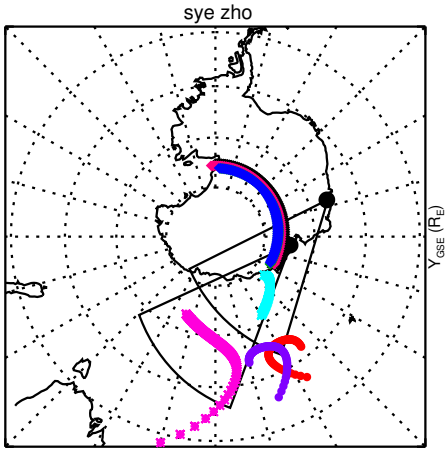


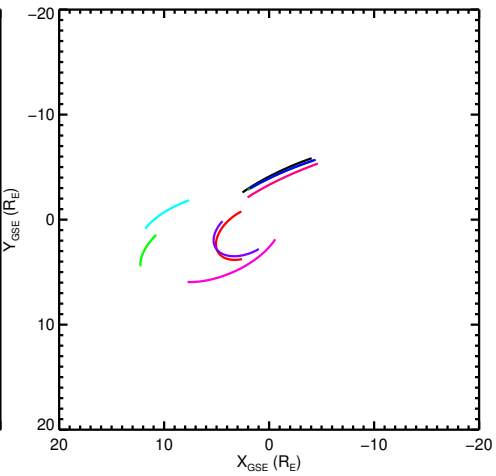


(b) 0525UT to 1105UT
adw hkw

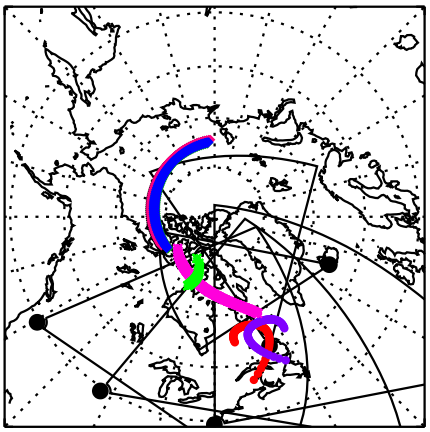


sye zho

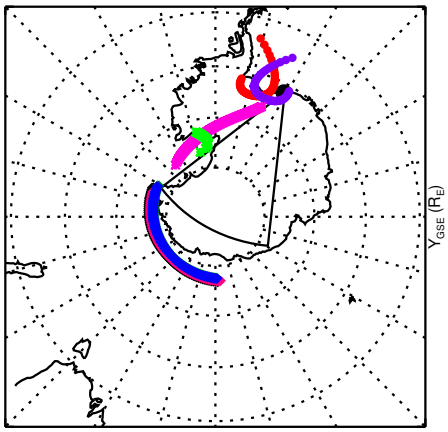


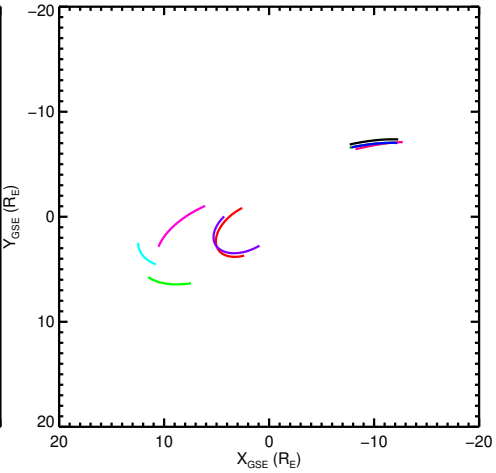


(c) 1420UT to 2010UT
cve fhe gbr sto wal

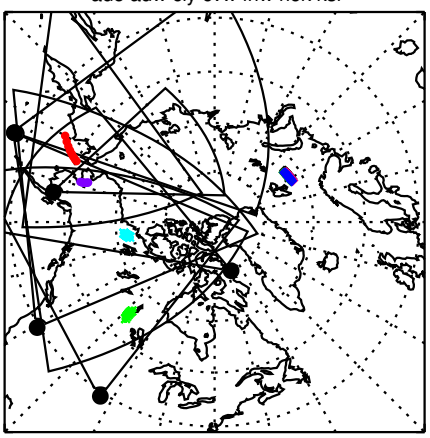


hal

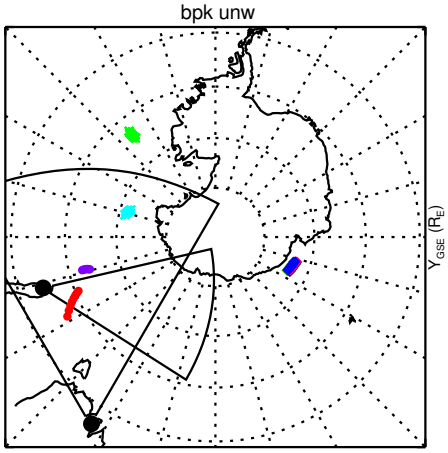


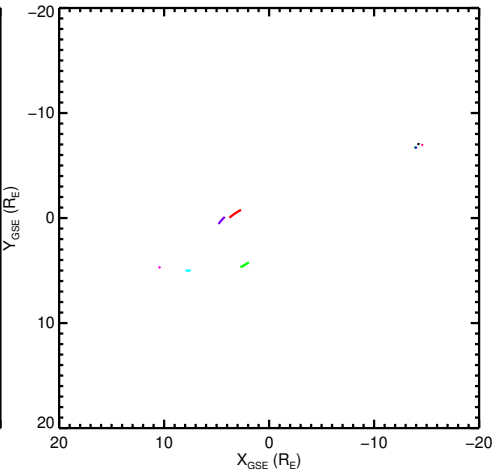


(d) 2320UT to 2355UT
ade adw cly cvw fhw hok ksr



bpk unw

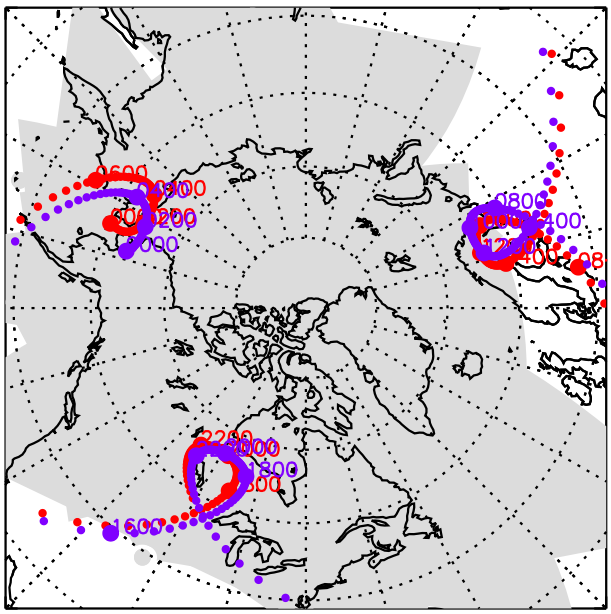


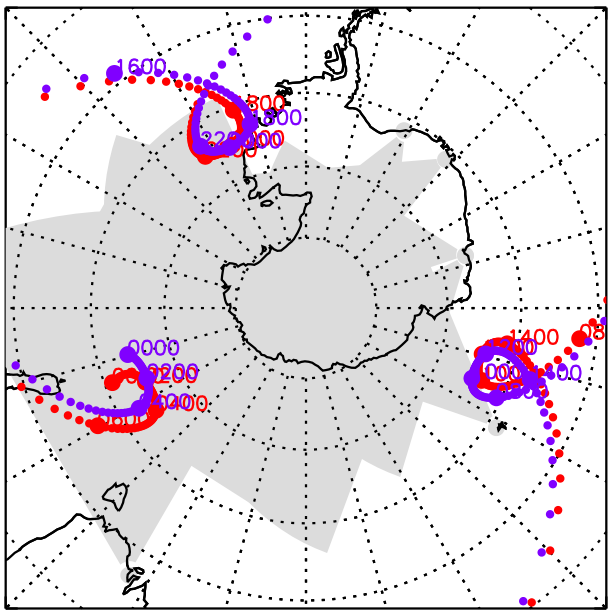


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

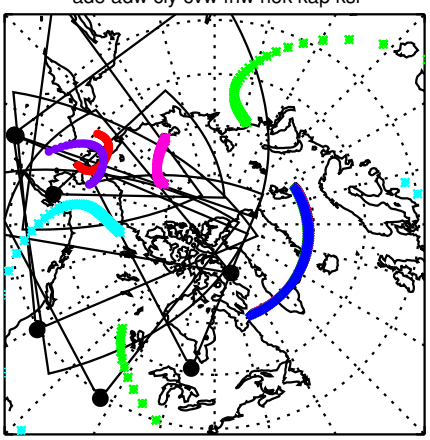
13–Aug–2017

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

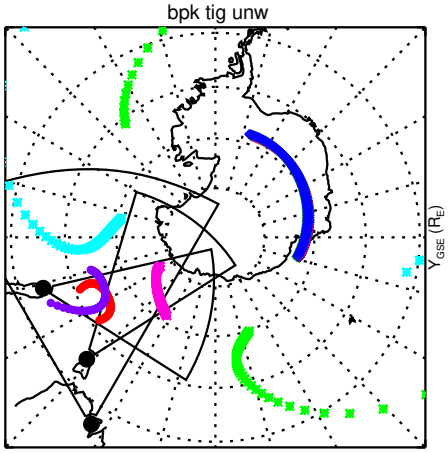


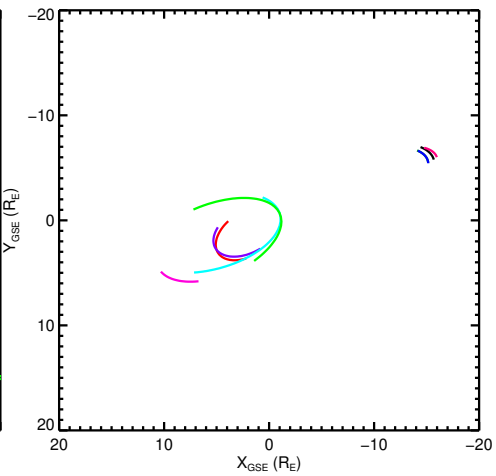


(a) 0000UT to 0515UT
ade adw cly cvw fhw hok kap ksr

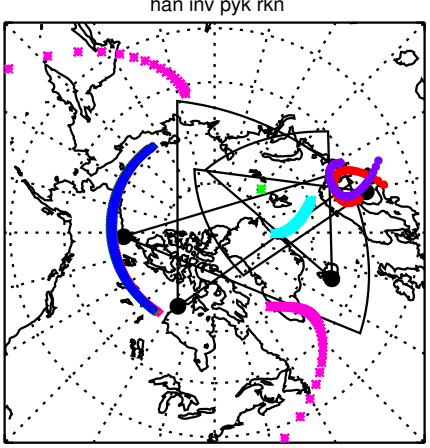


bpk tig unw

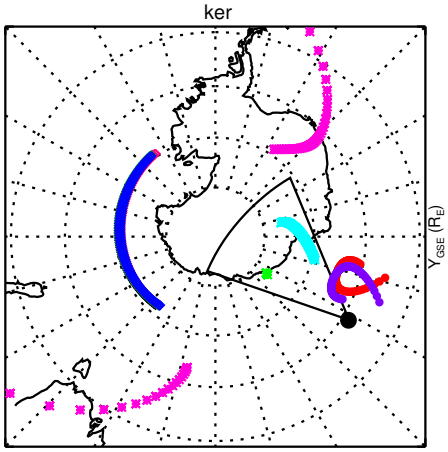


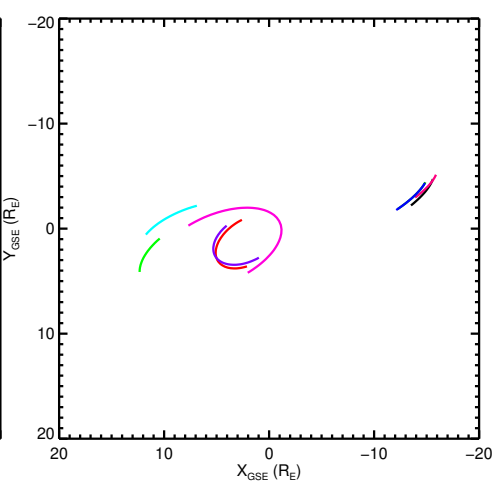


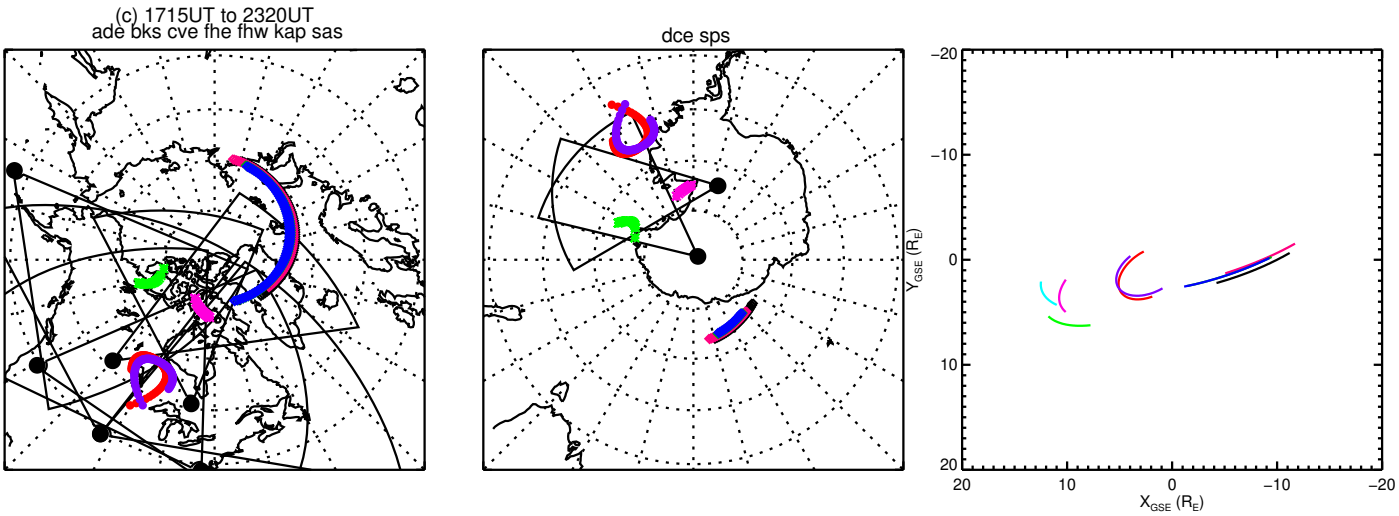
(b) 0815UT to 1415UT
han inv pyk rkn



ker



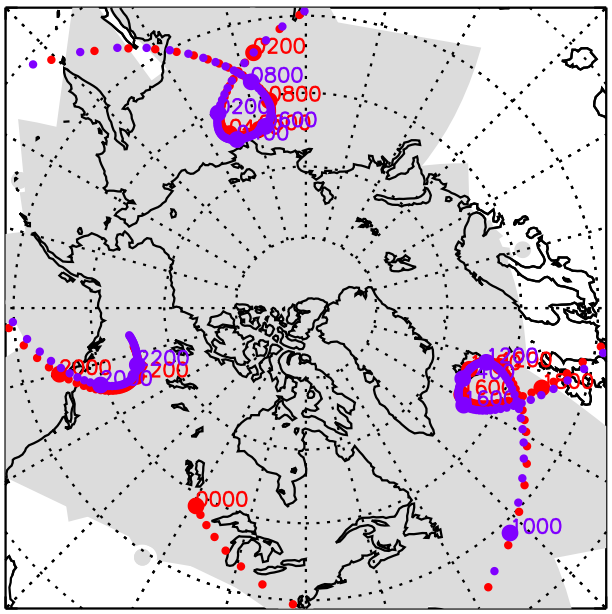


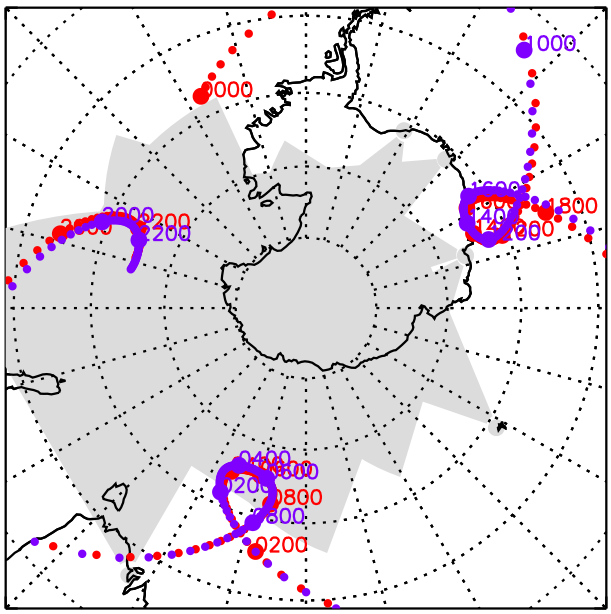

(c) 1715UT to 2320UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

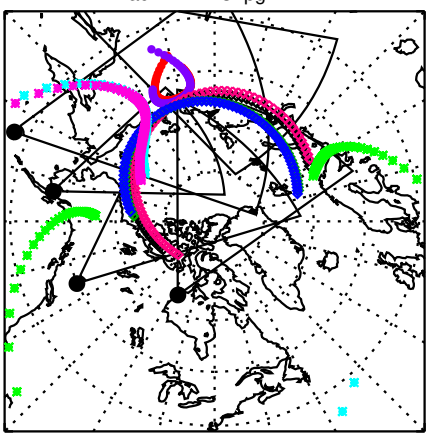
14–Aug–2017

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

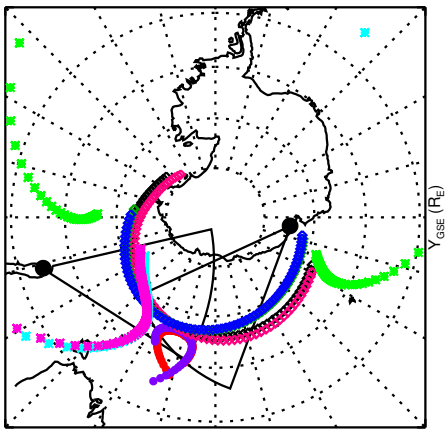


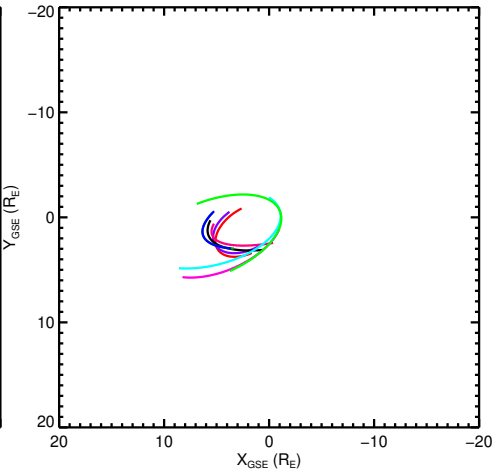


(a) 0210UT to 0825UT
adw hkw ksr pgr rkn

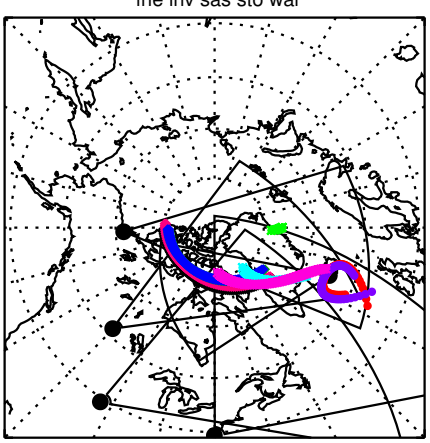


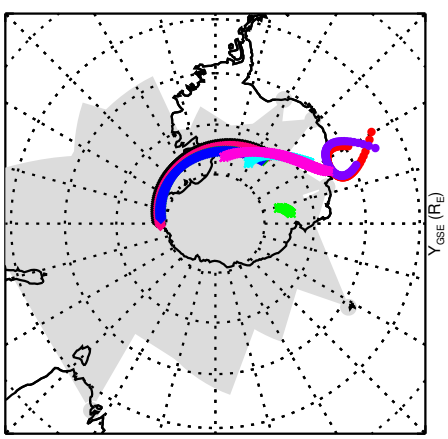
unw zho

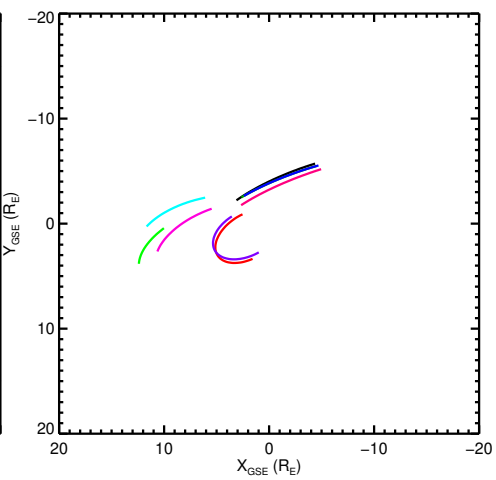


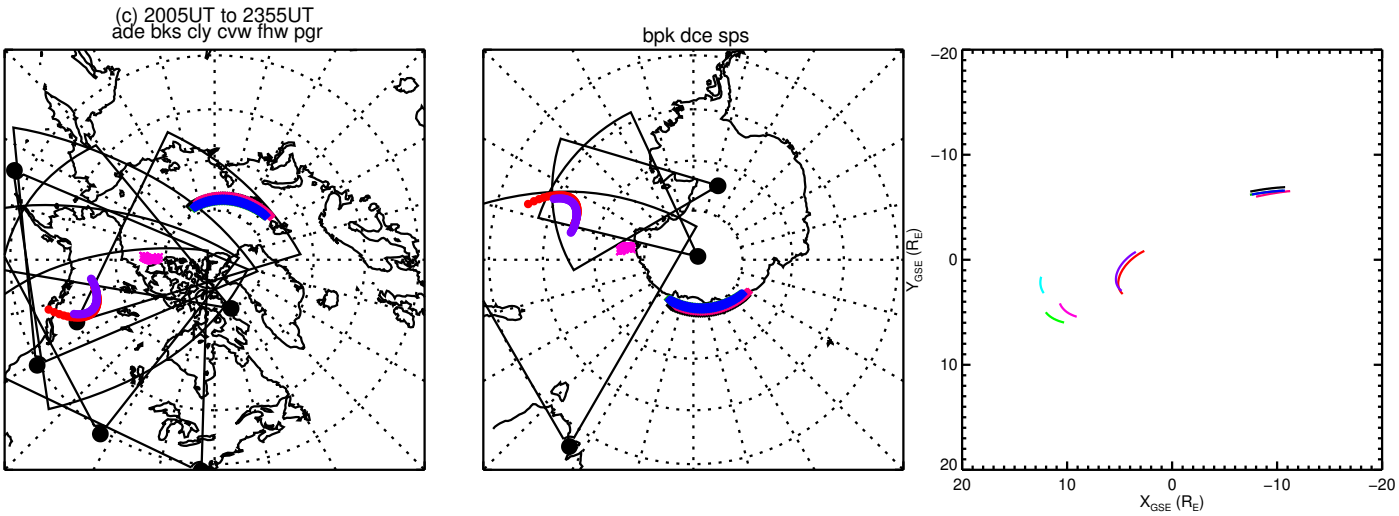


(b) 1105UT to 1725UT
fhe inv sas sto wal





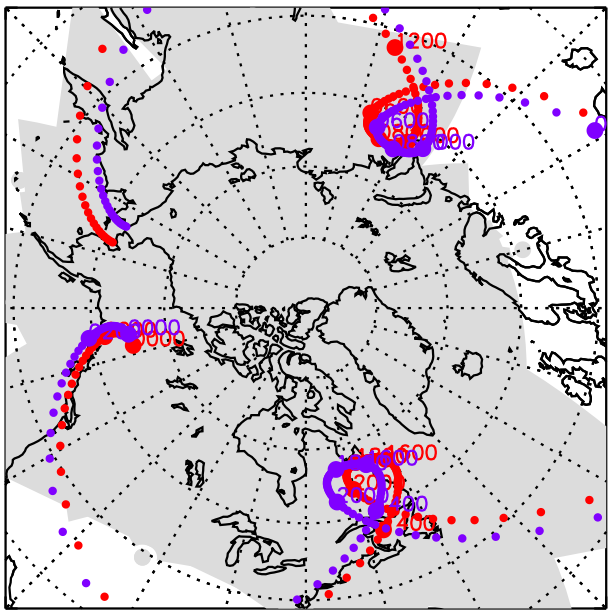


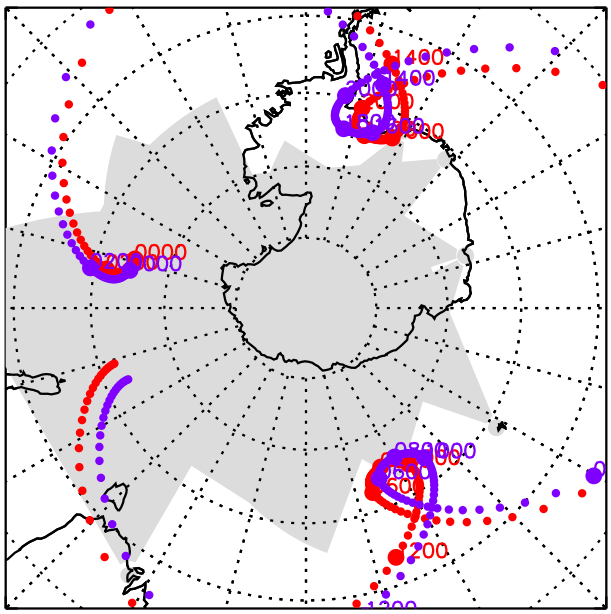

(c) 2005UT to 2355UT
ade bks cly cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

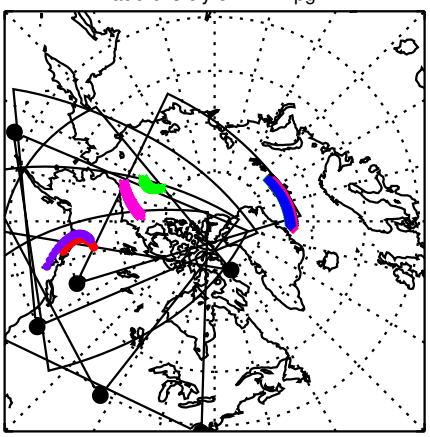
15–Aug–2017

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

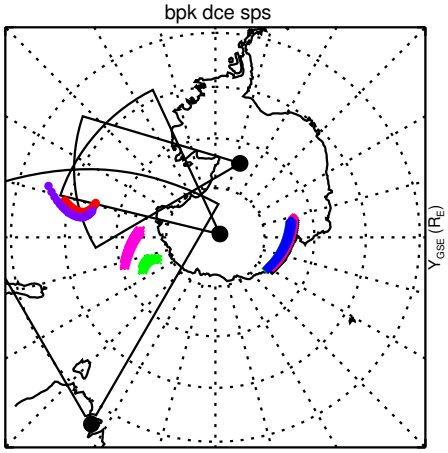


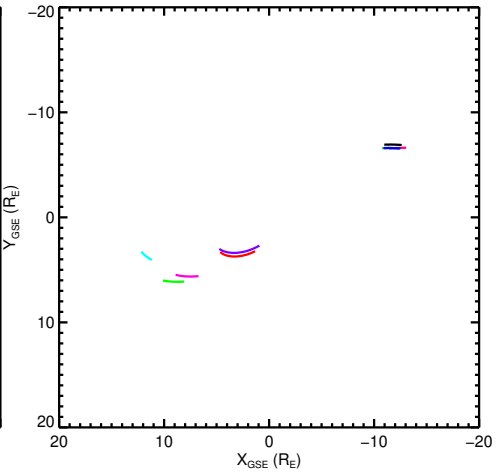


(a) 0000UT to 0230UT
ade bks cly cvw fhw pgr

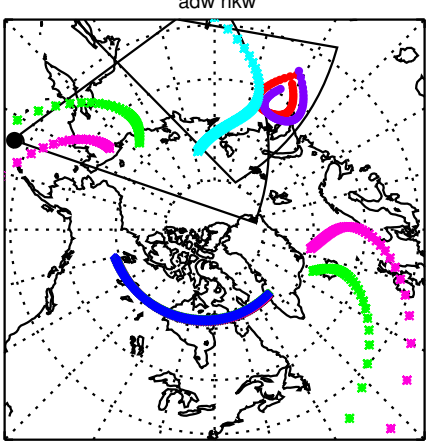


bpk dce sps

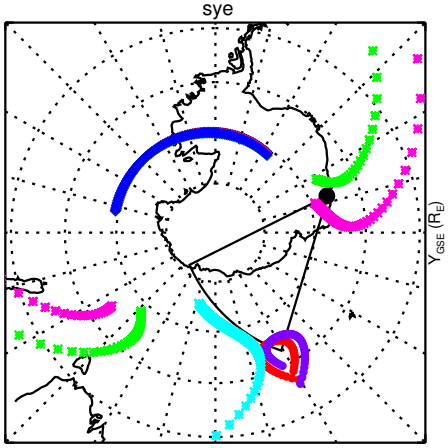


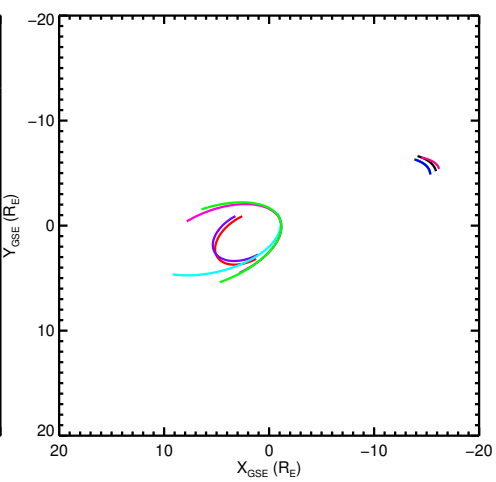


(b) 0500UT to 1130UT
adw hkw

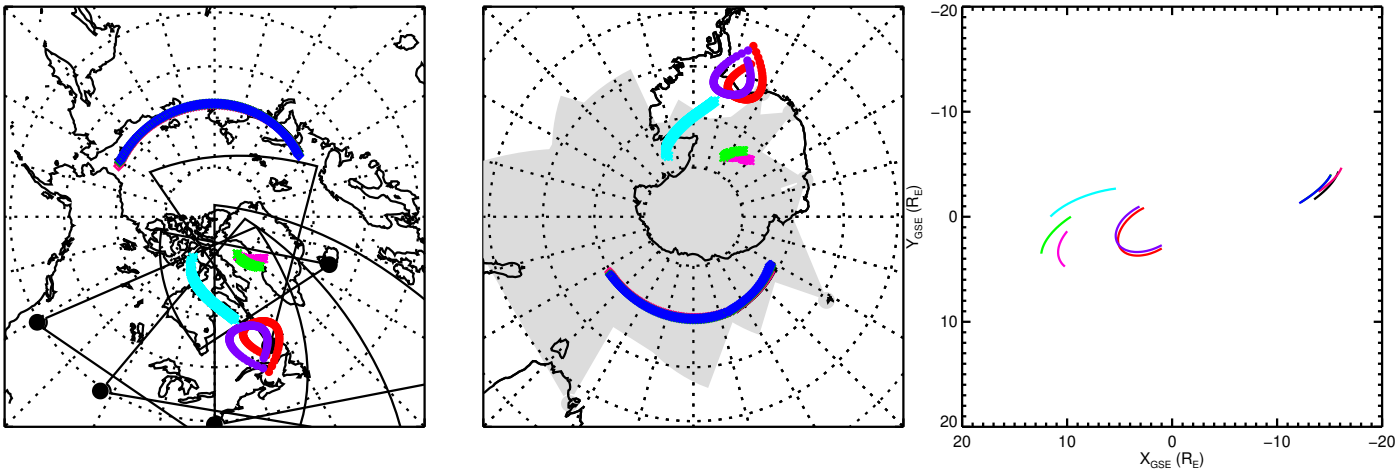


sye



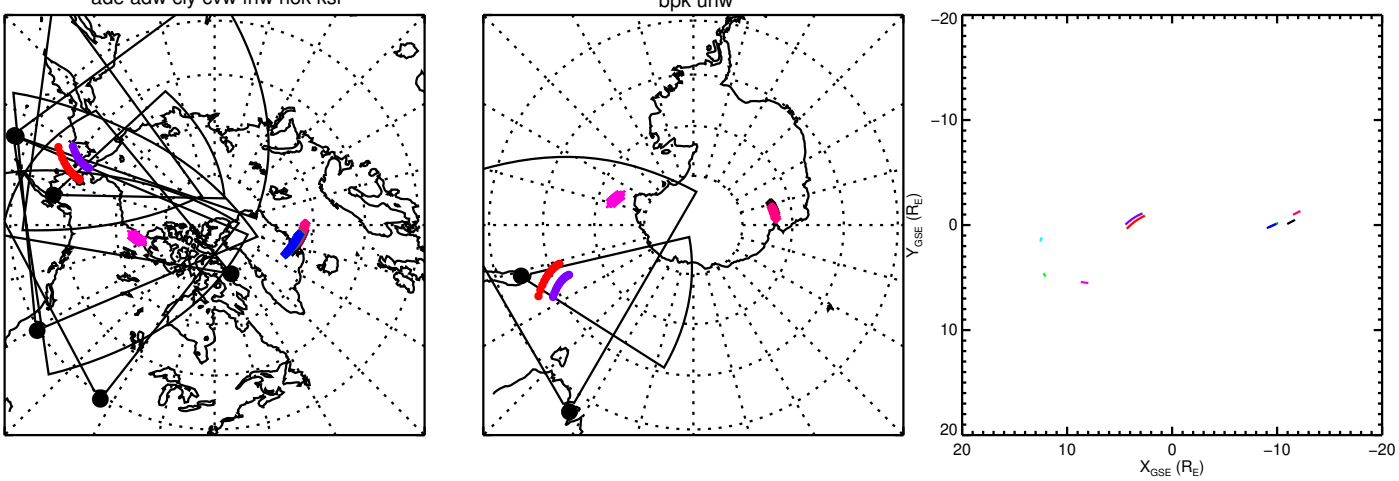


(c) 1400UT to 2035UT
cve fhe gbr sto wal



(d) 2255UT to 2355UT
ade adw cly cvw fhw hok ksr

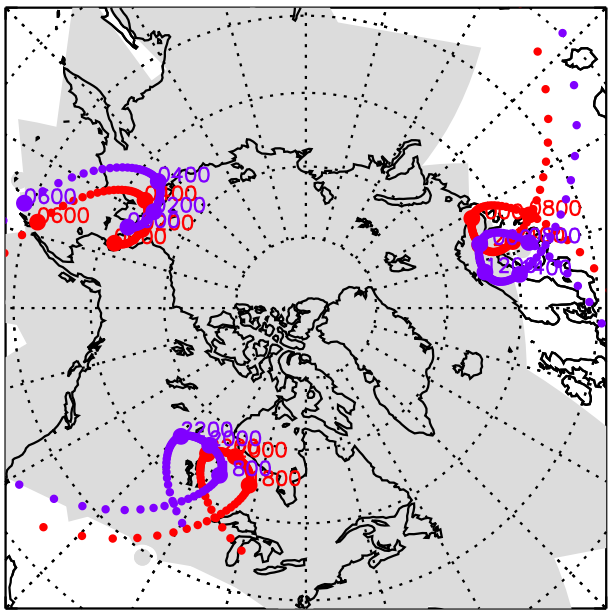
bpk unw

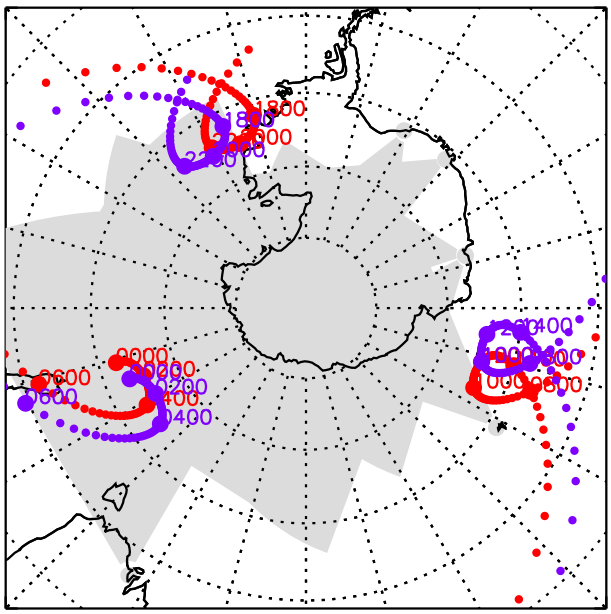


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

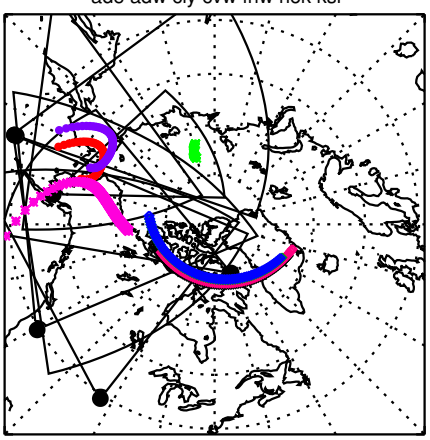
16–Aug–2017

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

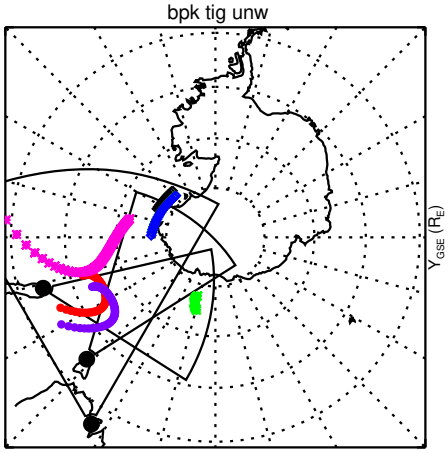


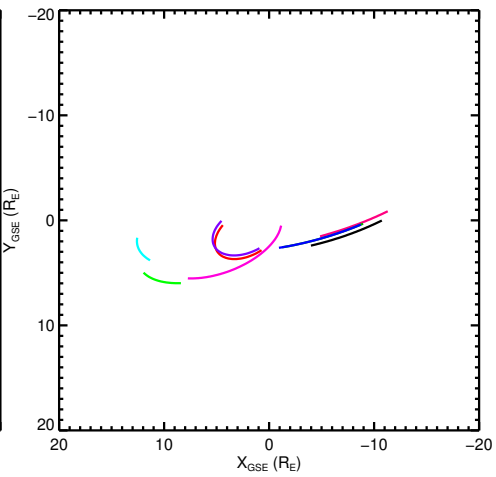


(a) 0000UT to 0540UT
ade adw cly cvw fhw hok ksr

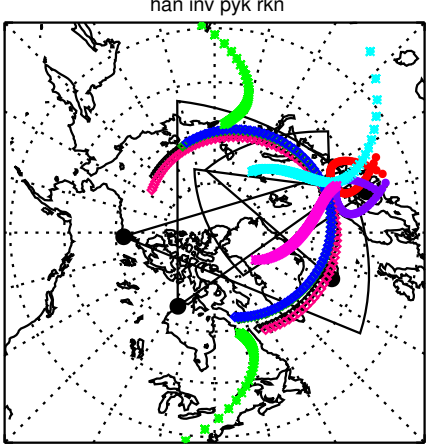


bpk tig unw





(b) 0750UT to 1440UT
han inv pyk rkn



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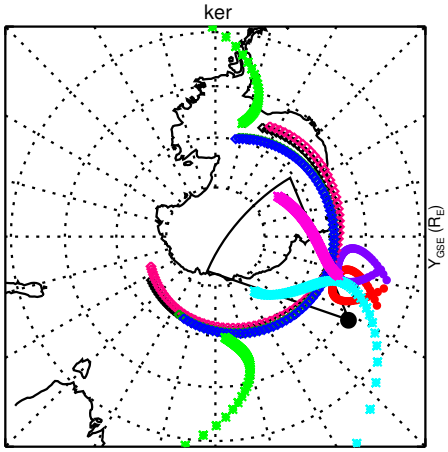
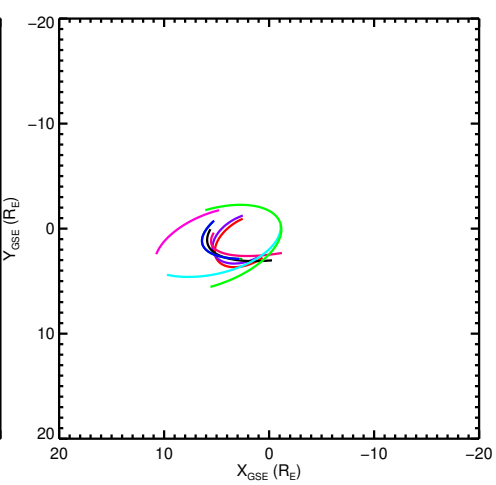
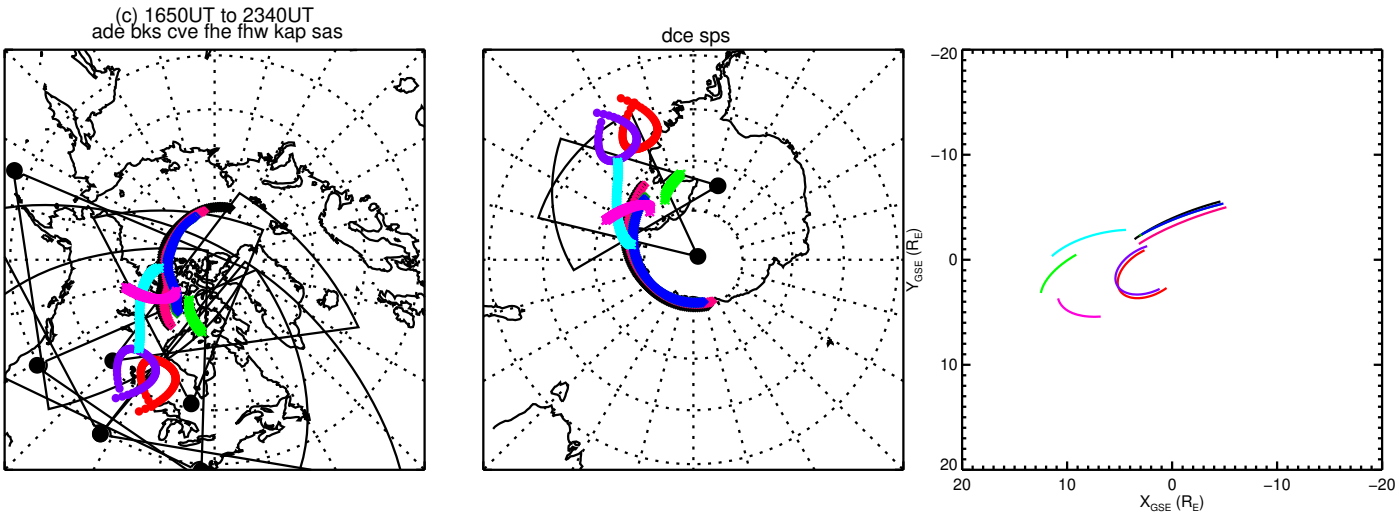


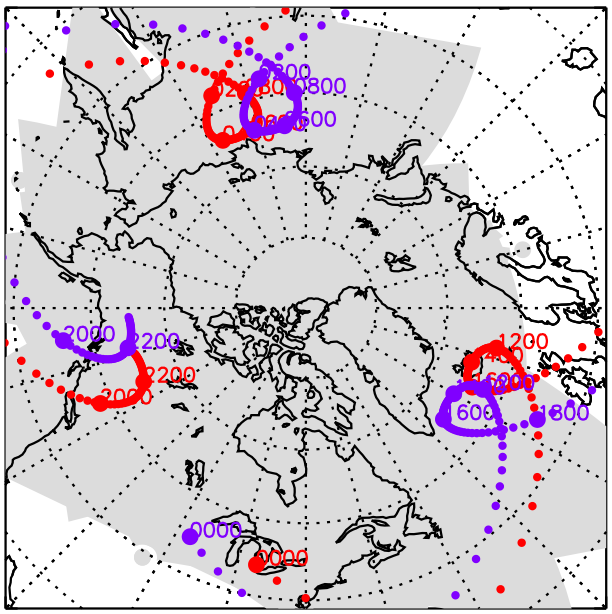


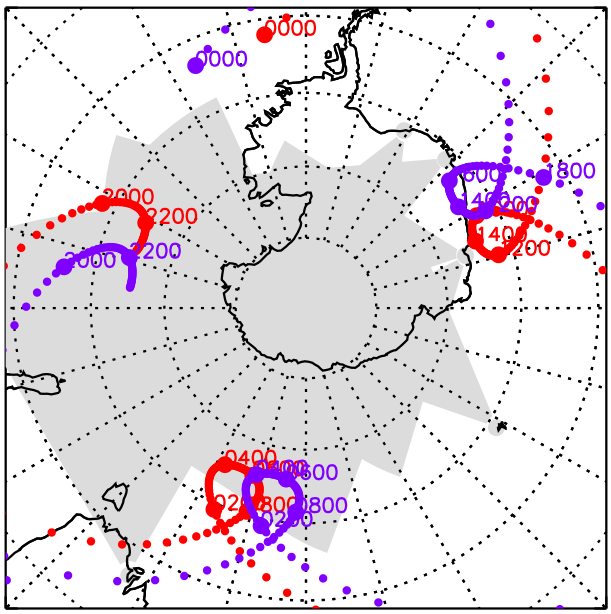

(c) 1650UT to 2340UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

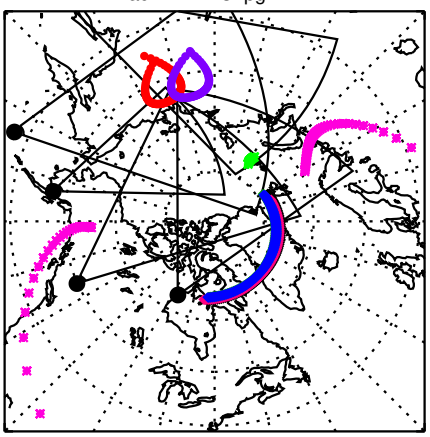
17–Aug–2017

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

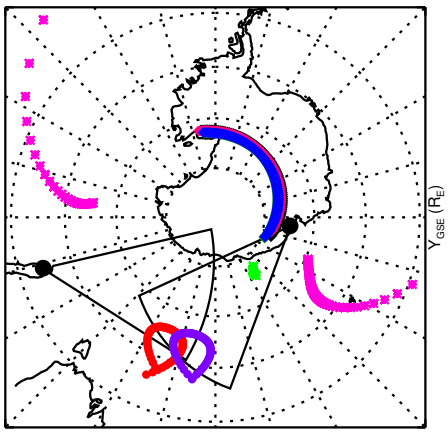


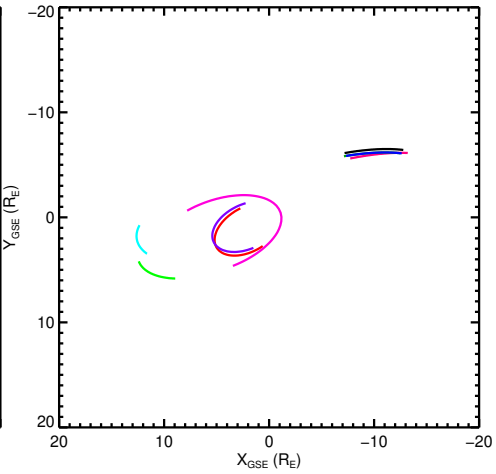


(a) 0150UT to 0835UT
adw hkw ksr pgr rkn

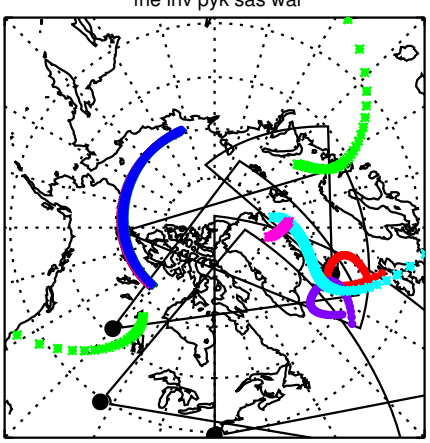


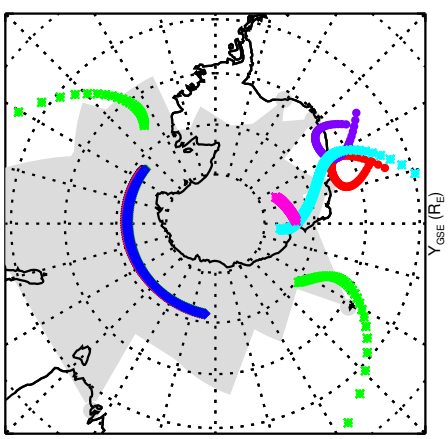
unw zho

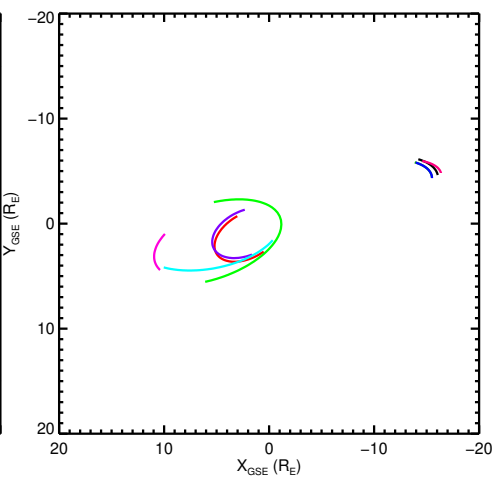


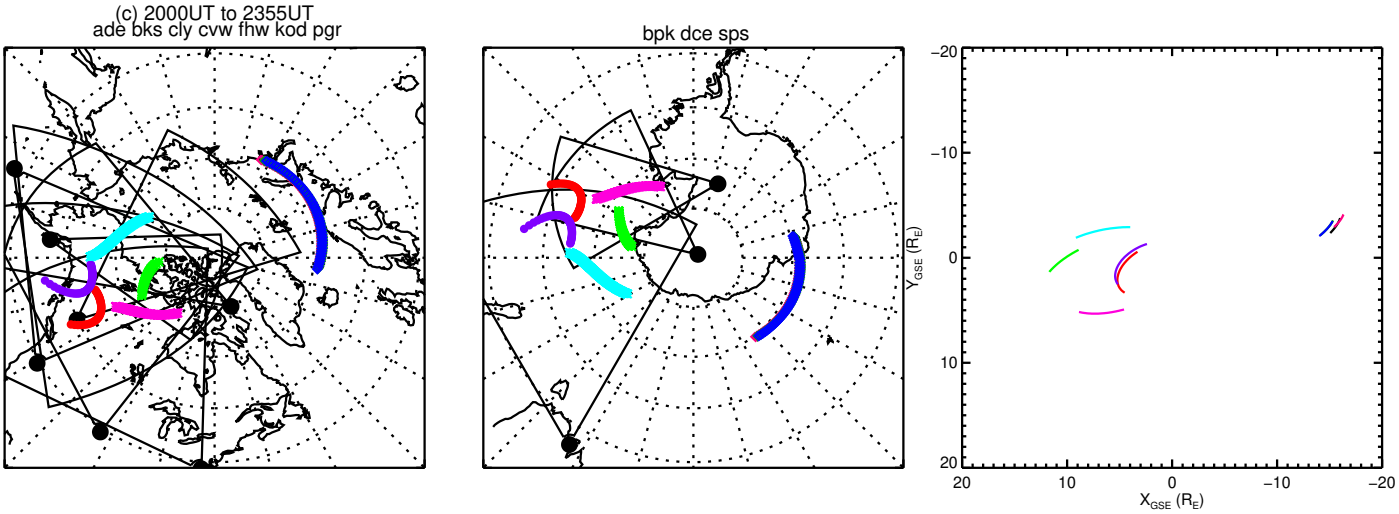


(b) 1055UT to 1735UT
fhe inv pyk sas wal





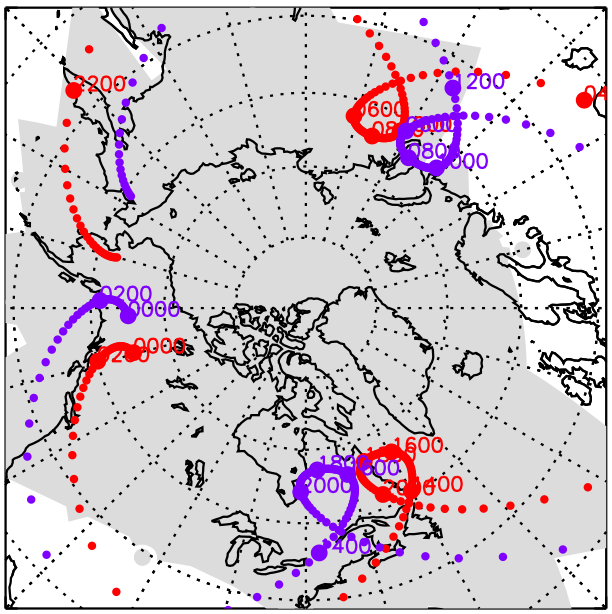


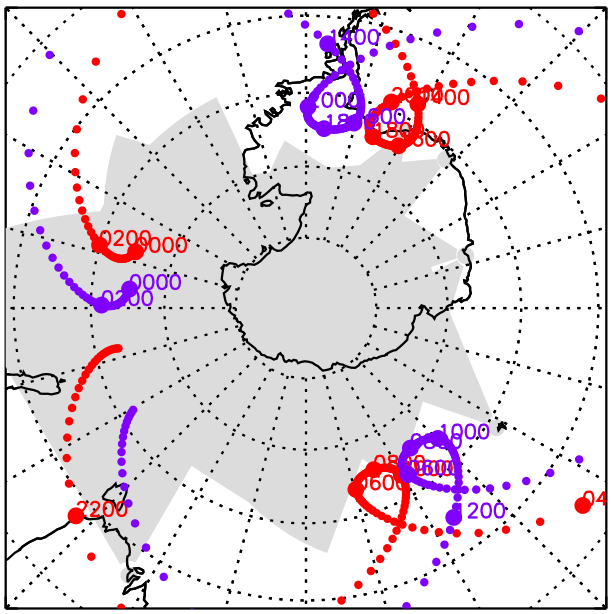

(c) 2000UT to 2355UT
ade bks cly cvw fhw kod pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

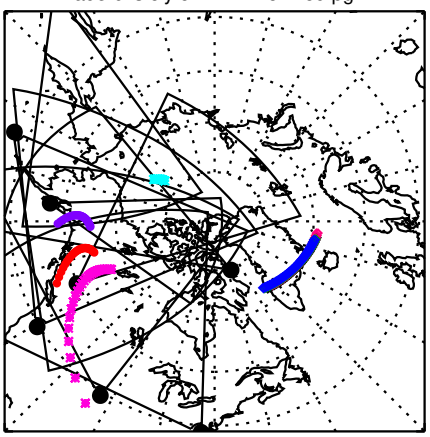
18–Aug–2017

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

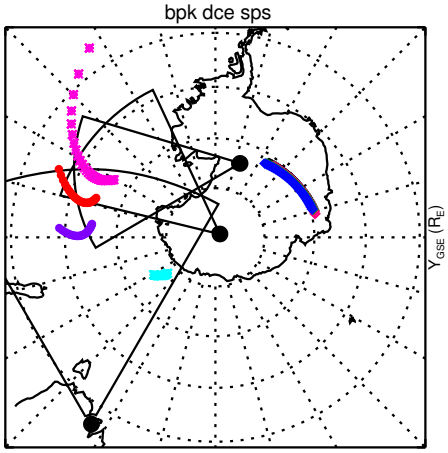


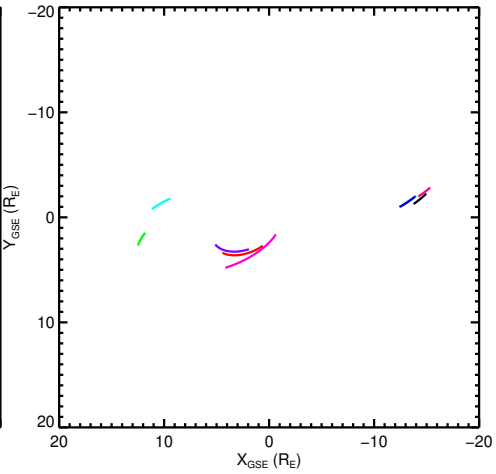


(a) 0000UT to 0230UT
ade bks cly cvw fhw hok kod pgr

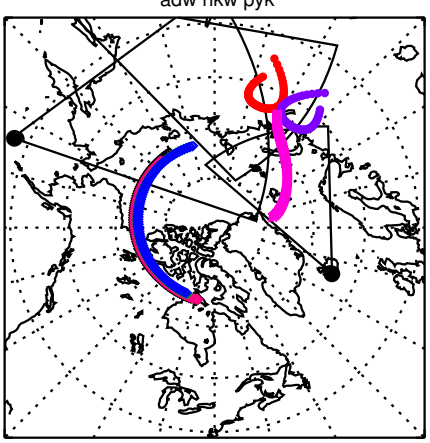


bpk dce sps

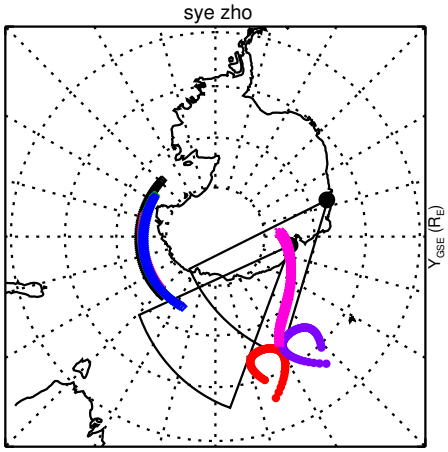


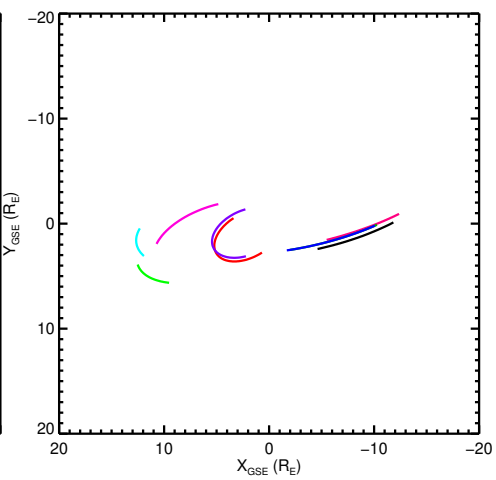


(b) 0500UT to 1125UT
adw hkw pyk

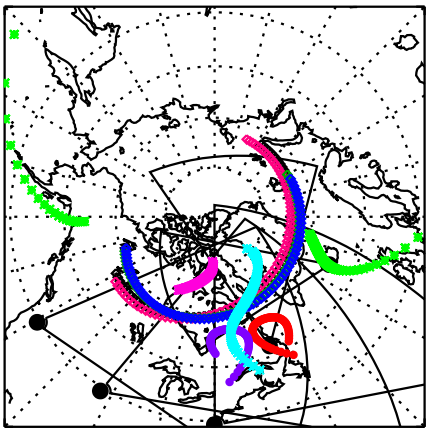


sye zho

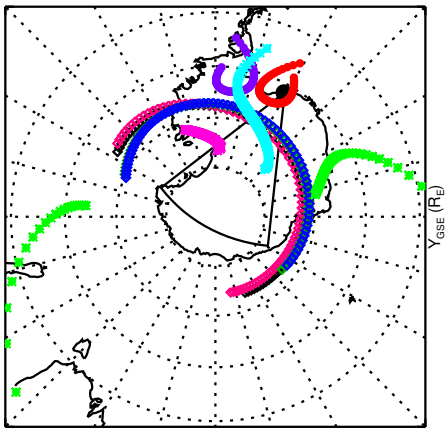


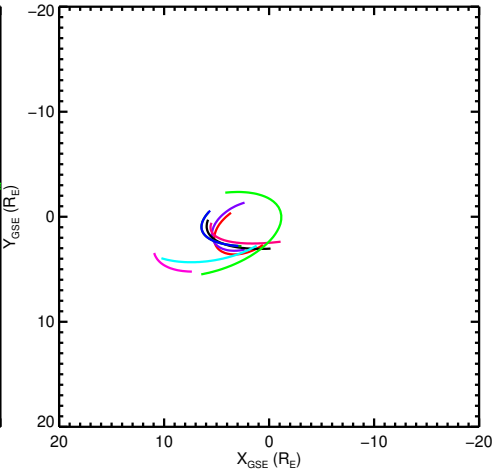


(c) 1405UT to 2025UT
cve fhe gbr sto wal

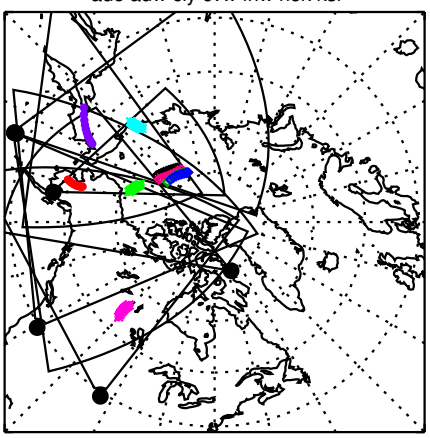


hal

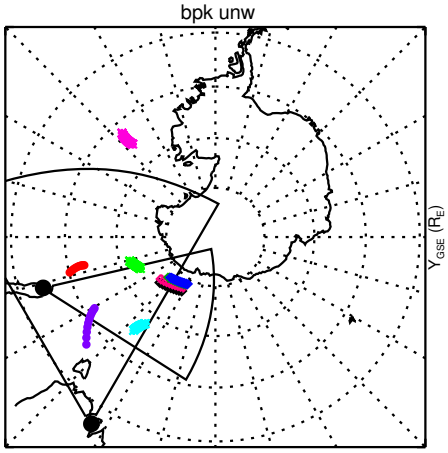


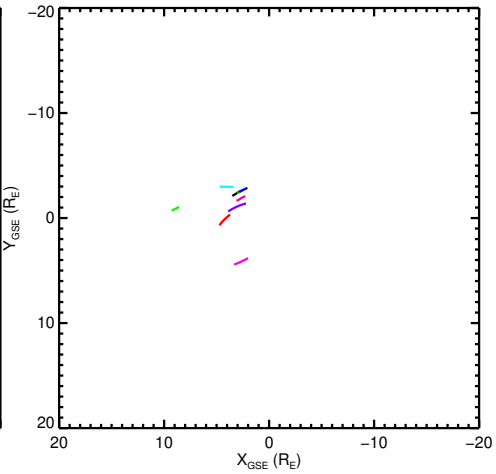


(d) 2305UT to 2355UT
ade adw cly cvw fhw hok ksr



bpk unw

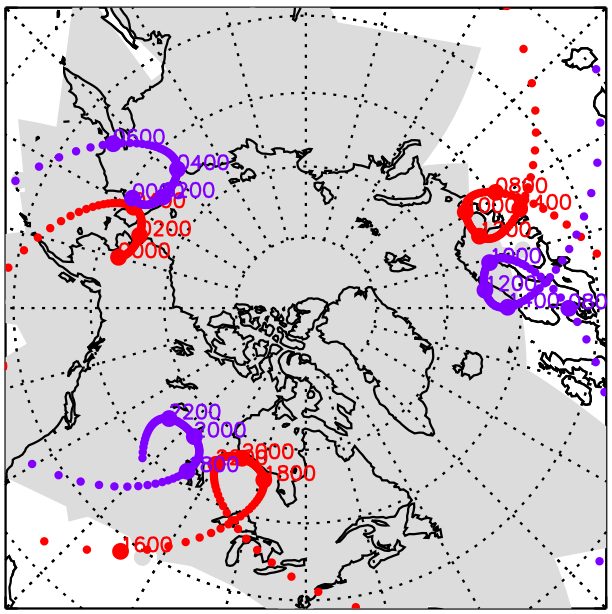


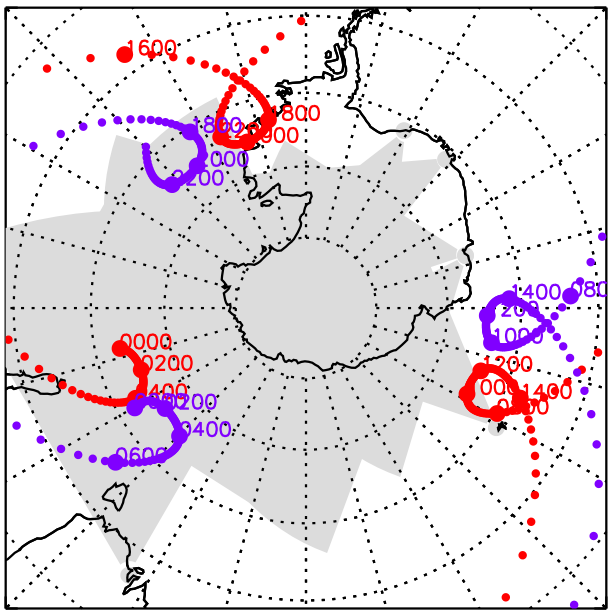


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

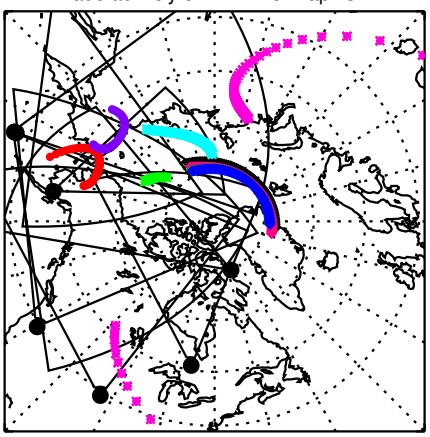
19–Aug–2017

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

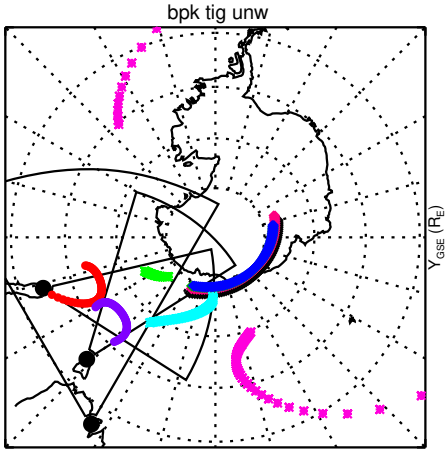


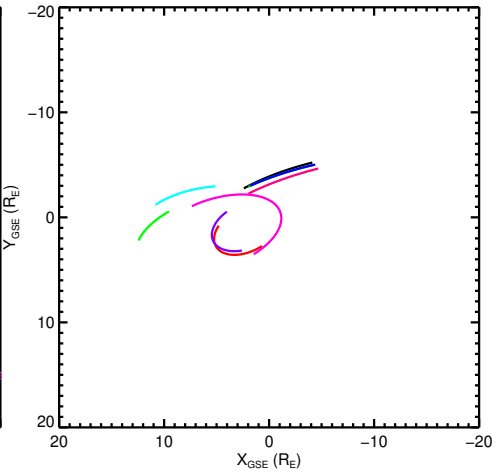


(a) 0000UT to 0520UT
ade adw cly cvw fhw hok kap ksr

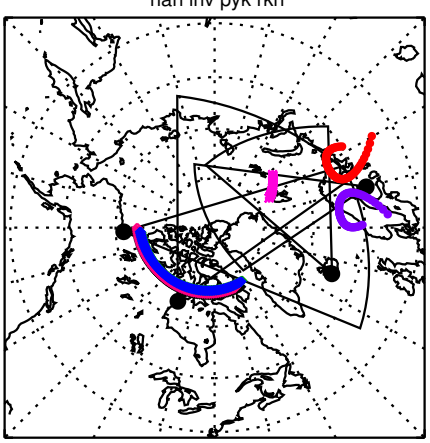


bpk tig unw

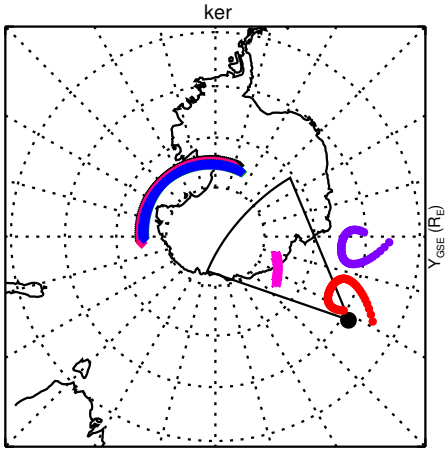


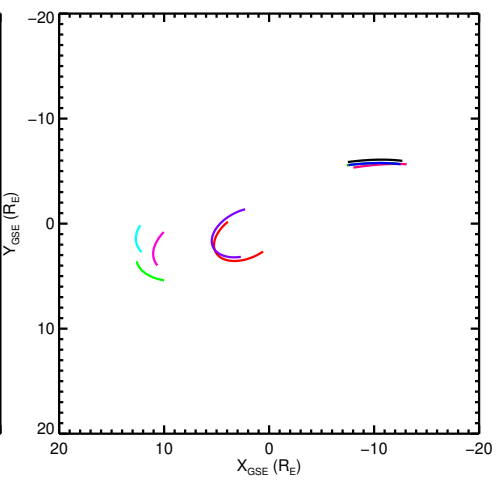


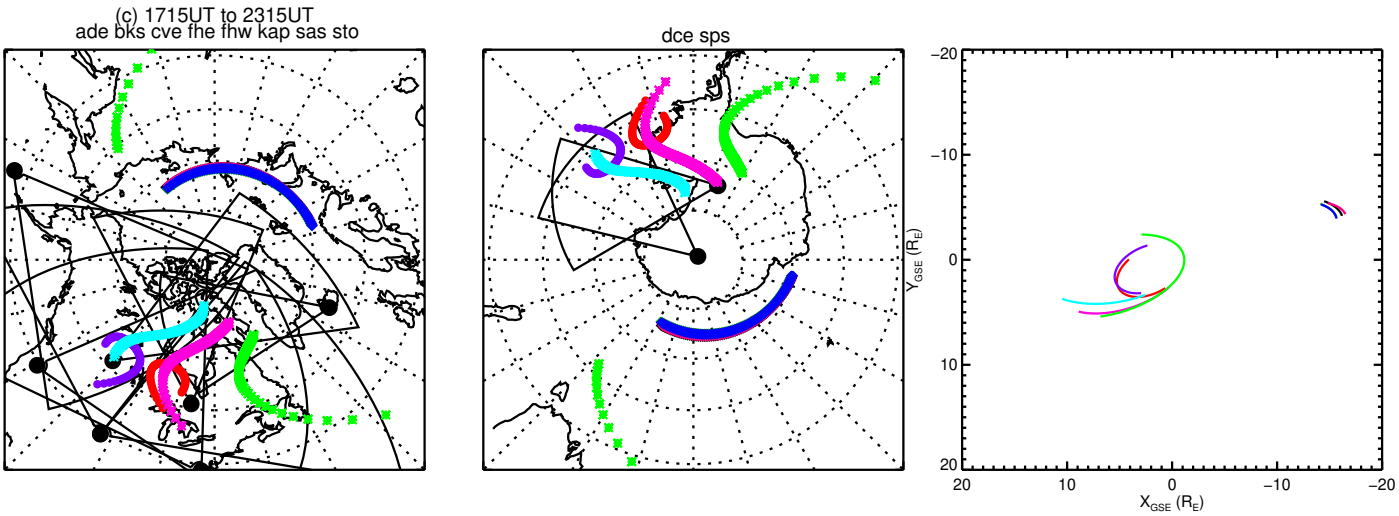
(b) 0810UT to 1420UT
han inv pyk rkn



ker



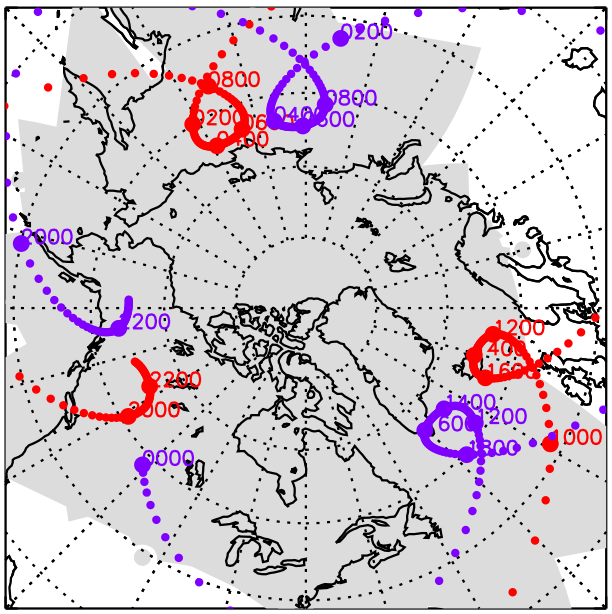


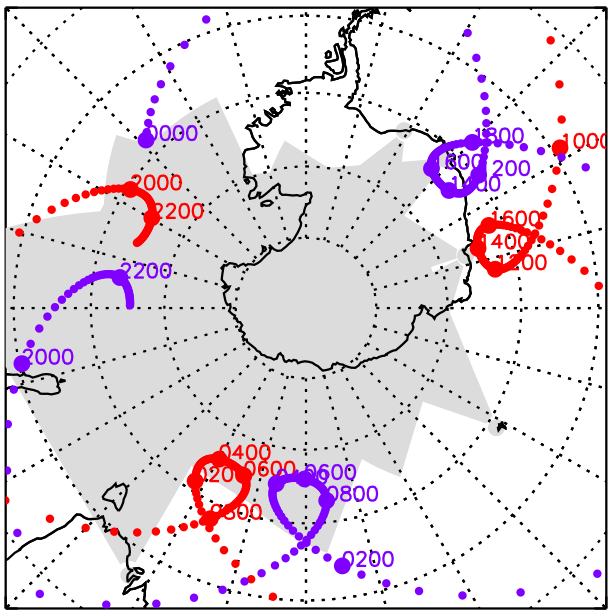

(c) 1715UT to 2315UT
ade bks cve fhe fhw kap sas sto
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

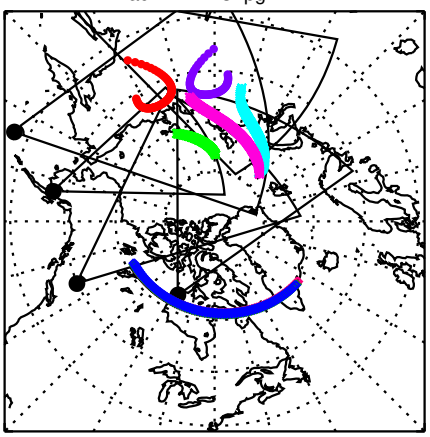
20–Aug–2017

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

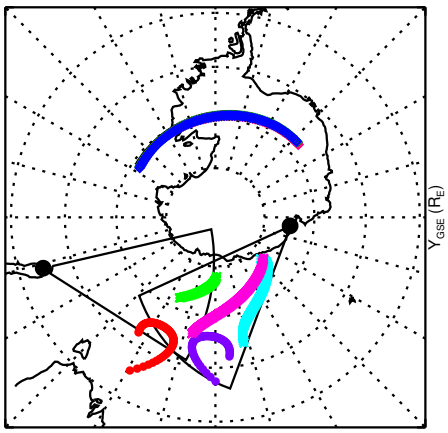


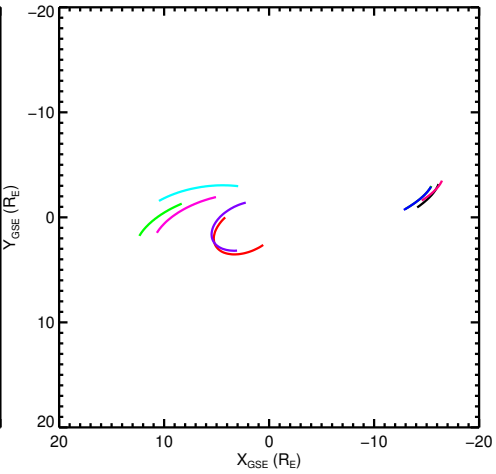


(a) 0215UT to 0815UT
adw hkw ksr pgr rkn

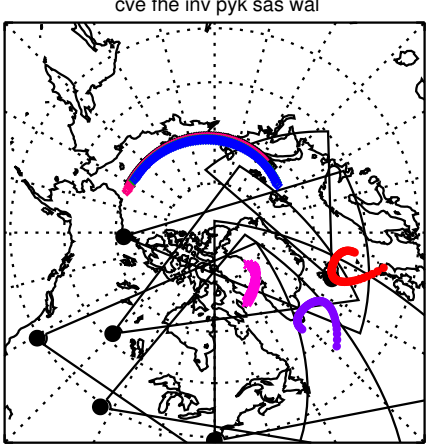


unw zho

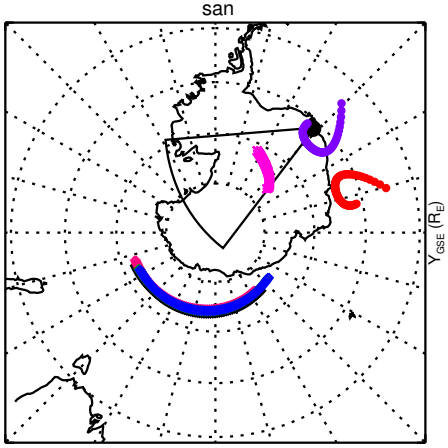


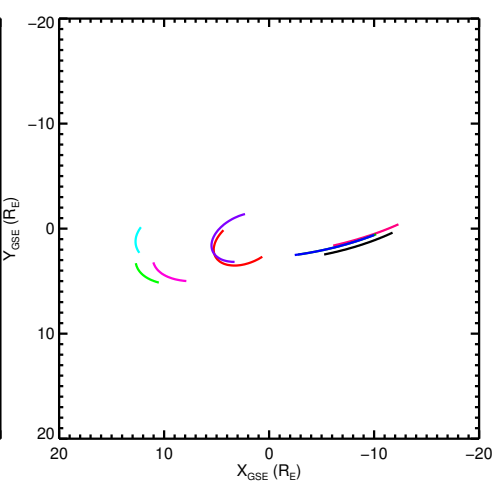


(b) 1120UT to 1710UT
cve fhe inv pyk sas wal

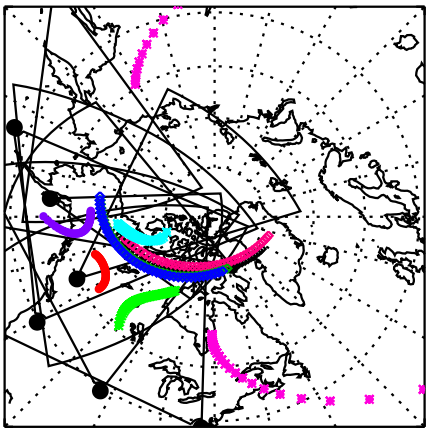


san

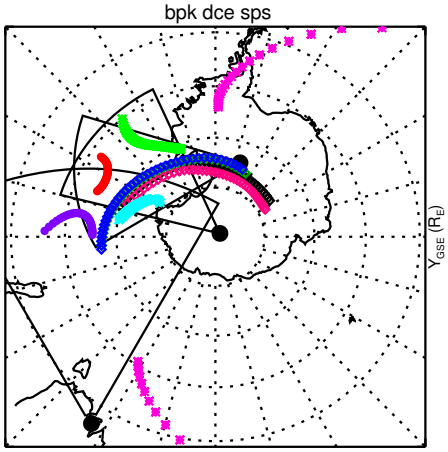


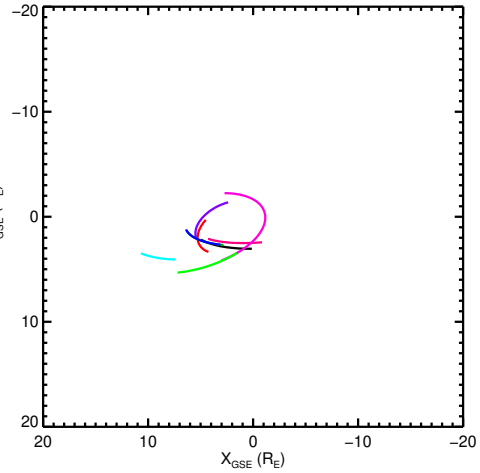


(c) 2025UT to 2355UT
ade bks cly cvw fhw hok kod pgr



bpk dce sps

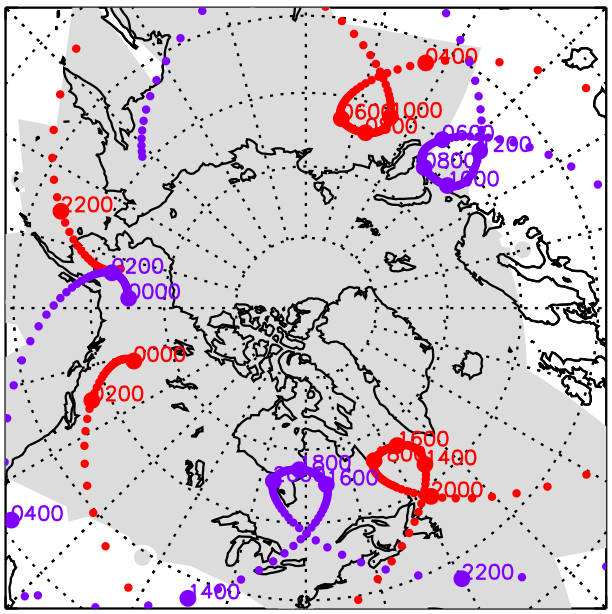


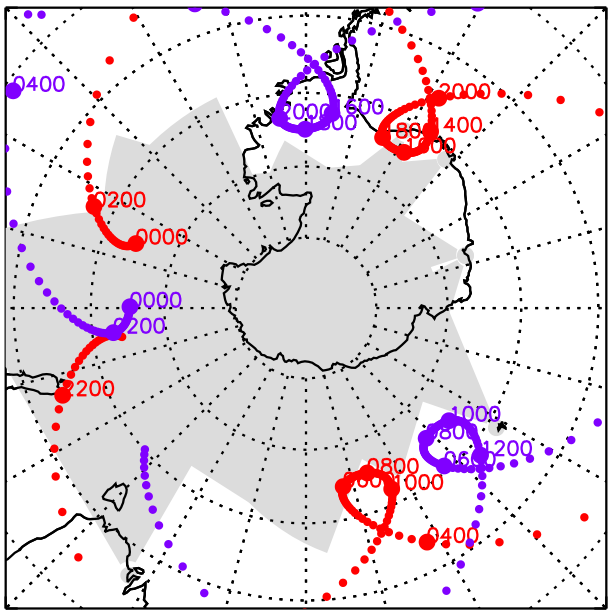


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

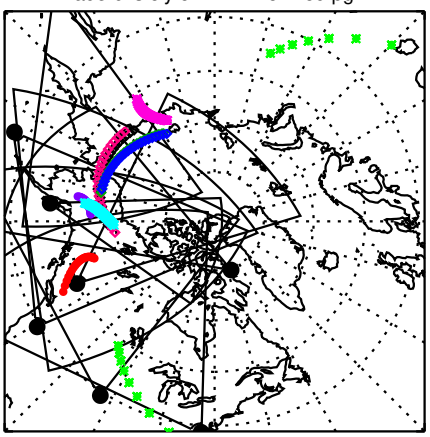
21–Aug–2017

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

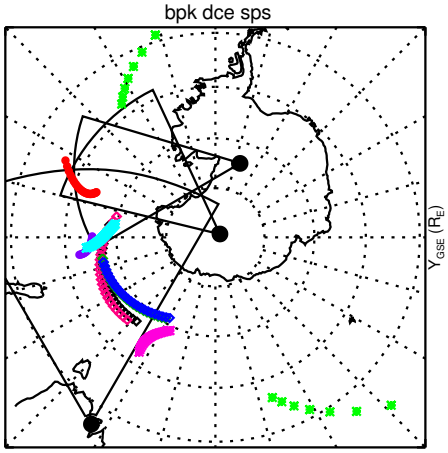


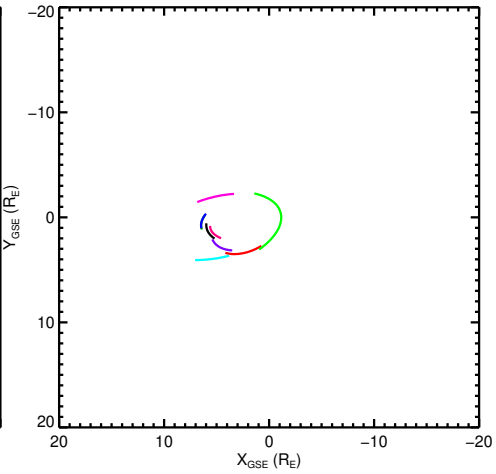


(a) 0000UT to 0205UT
ade bks cly cvw fhw hok kod pgr

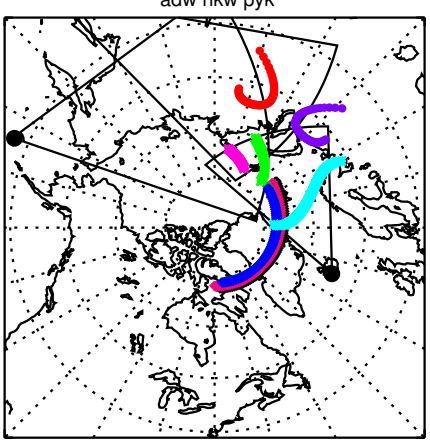


bpk dce sps

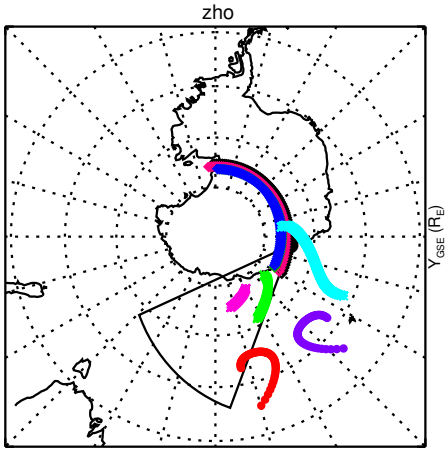


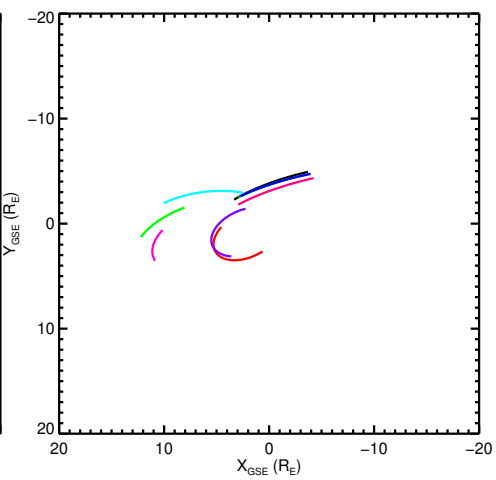


(b) 0525UT to 1105UT
adw hkw pyk

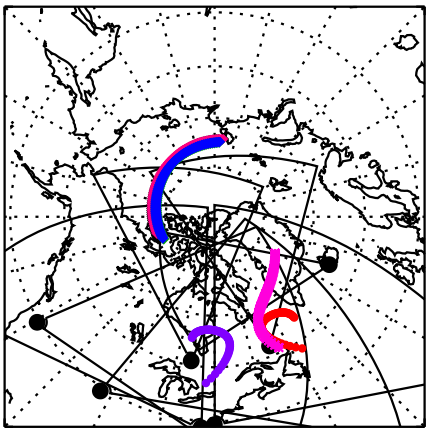


zho

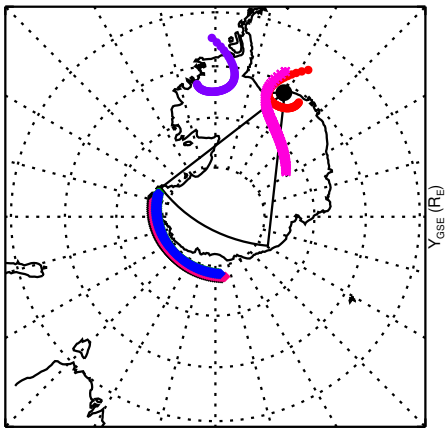


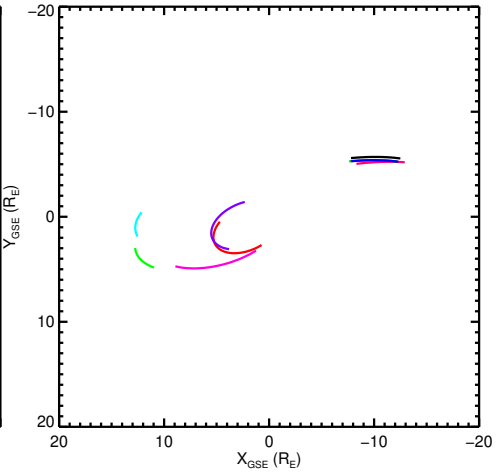


(c) 1430UT to 2000UT
bks cve fhe gbr kap sto wal

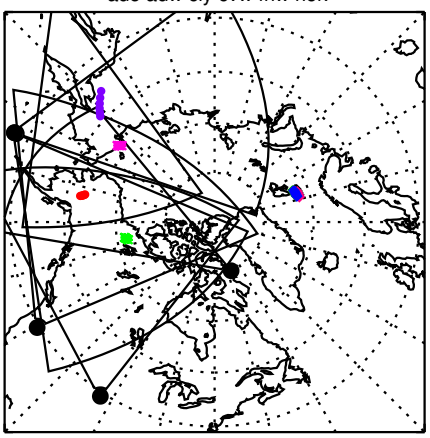


hal

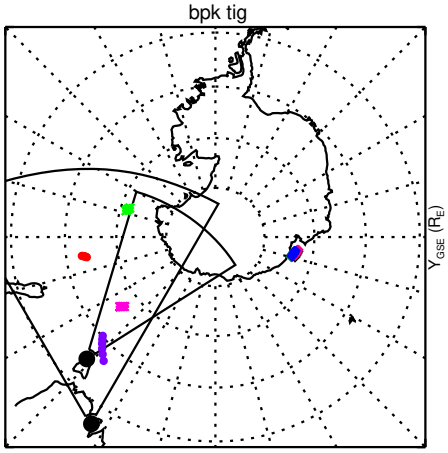


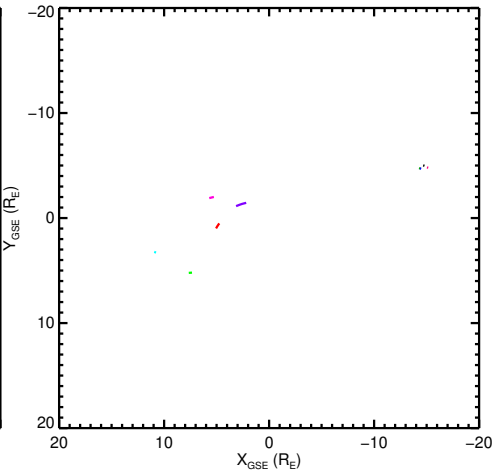


(d) 2330UT to 2355UT
ade adw cly cvw fhw hok



bpk tig

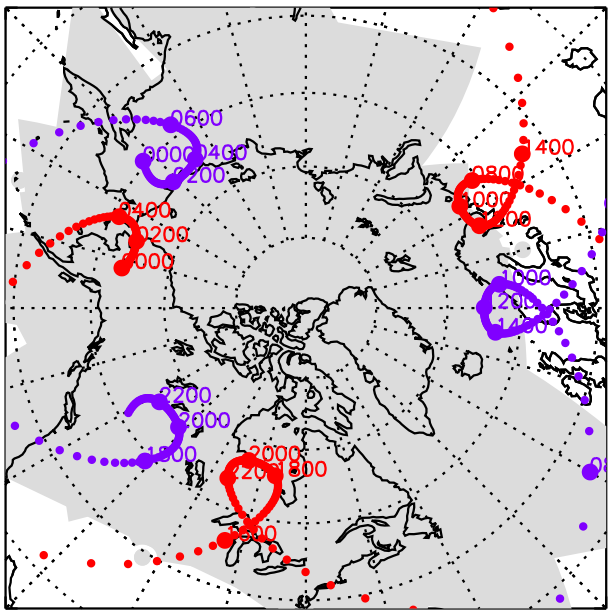


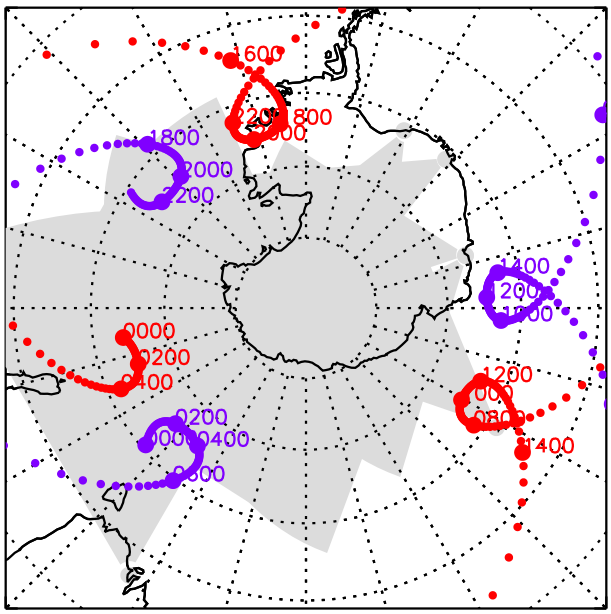


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

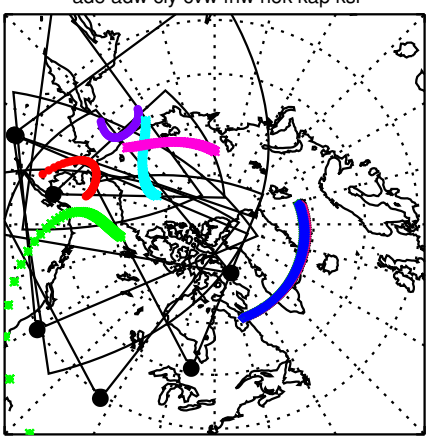
22–Aug–2017

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

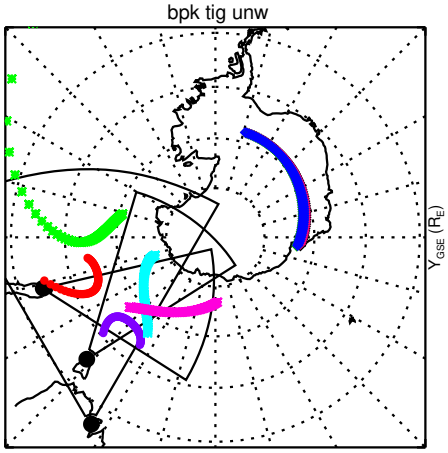


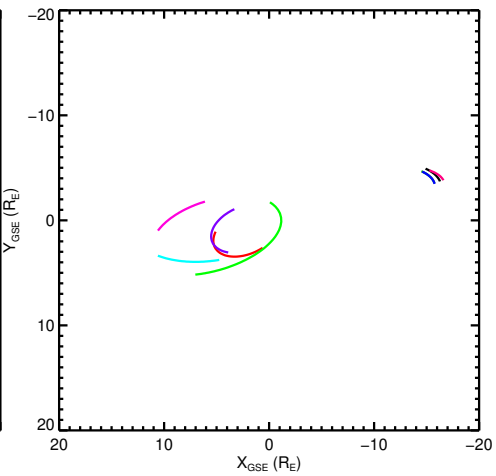


(a) 0000UT to 0500UT
ade adw cly cvw fhw hok kap ksr

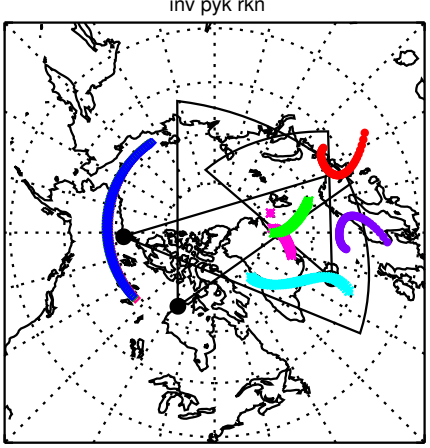


bpk tig unw





(b) 0835UT to 1355UT
inv pyk rkn



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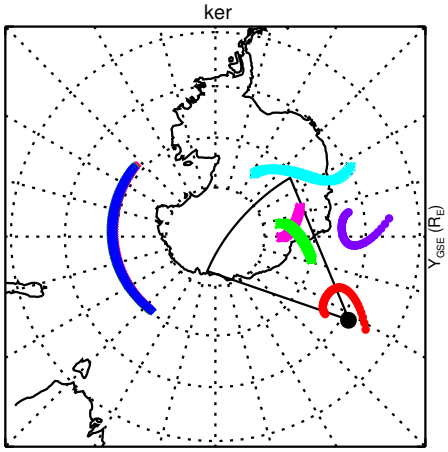
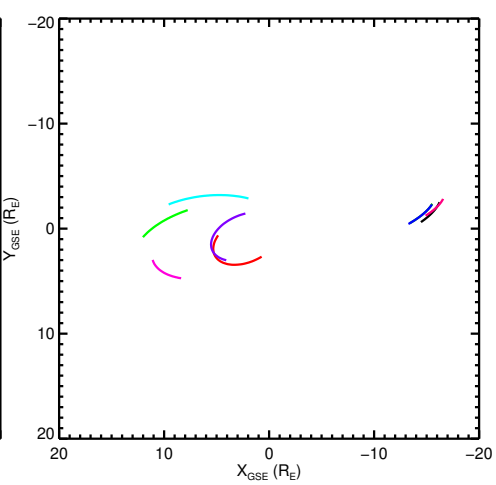
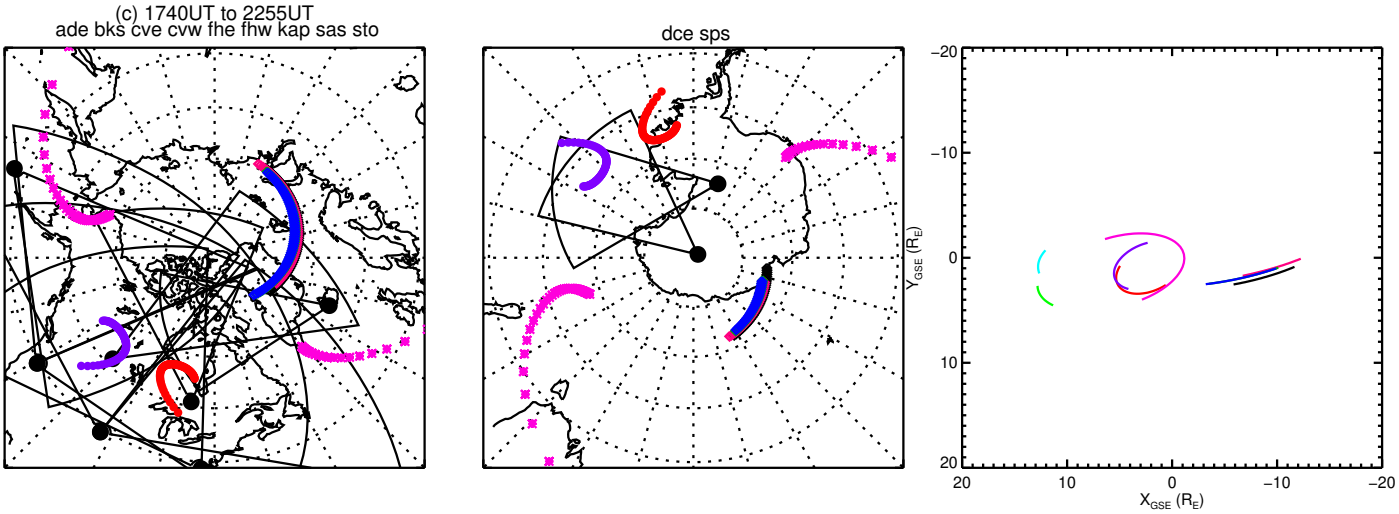


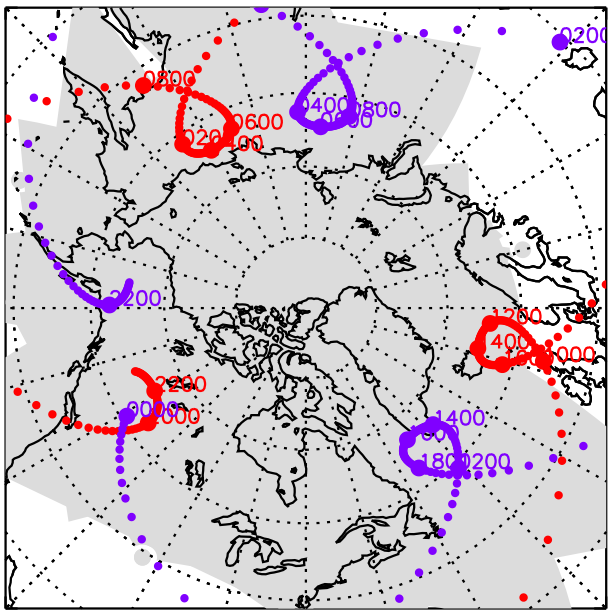


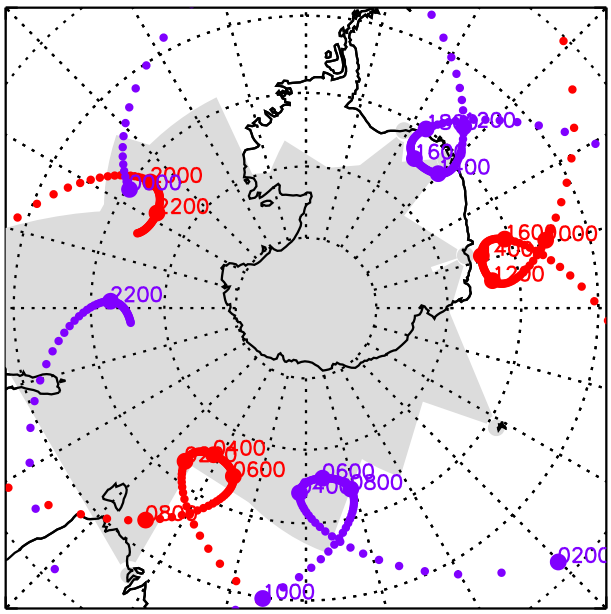

(c) 1740UT to 2255UT
ade bks cve cvw fhe fhw kap sas sto
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

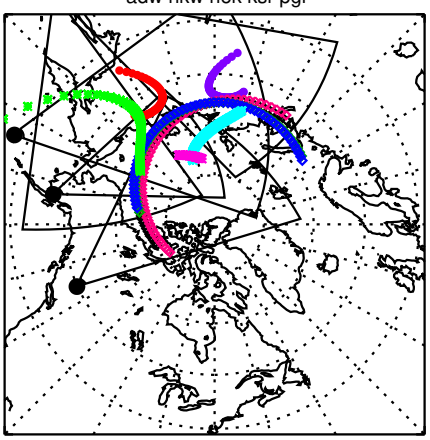
23–Aug–2017

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

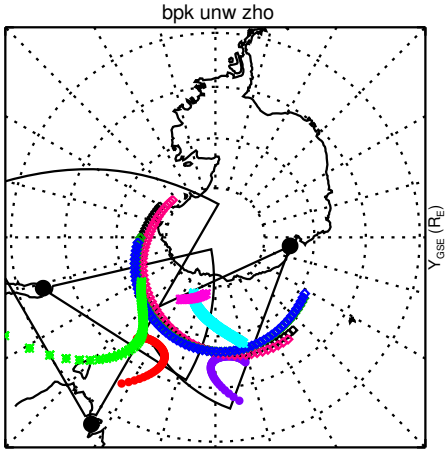


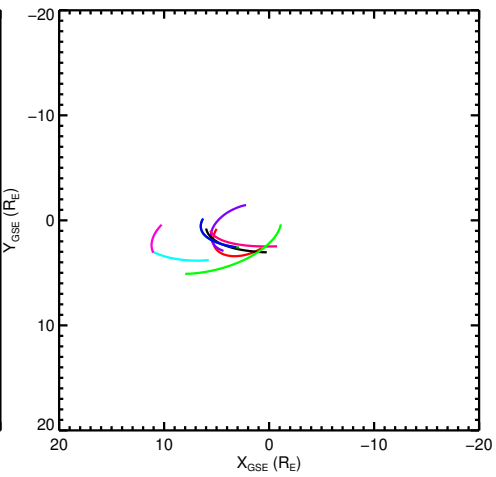


(a) 0240UT to 0750UT
adw hkw hok ksr pgr

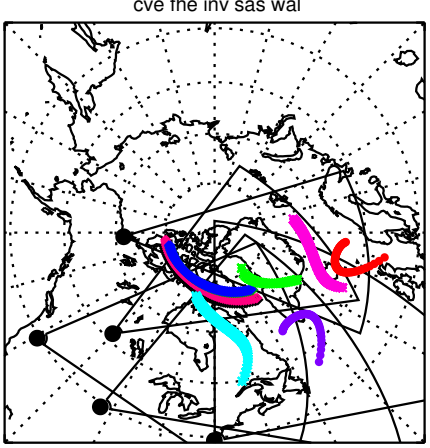


bpk unw zho

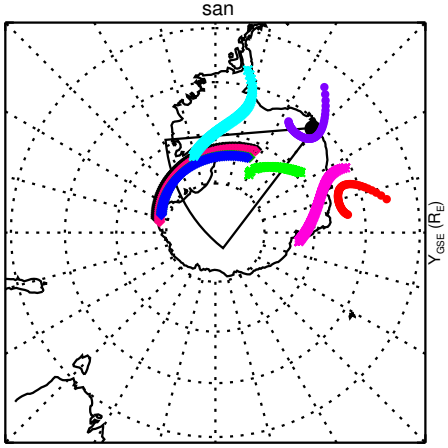


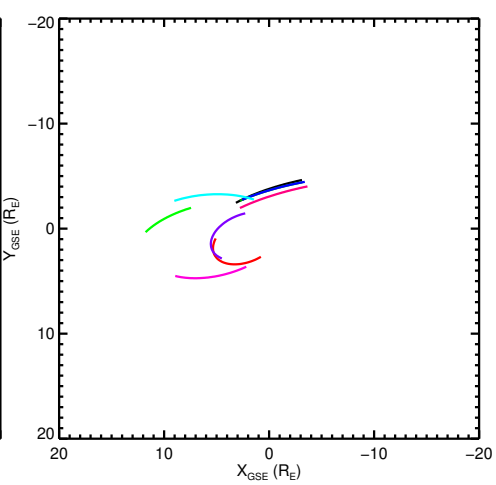


(b) 1145UT to 1645UT
cve fhe inv sas wal

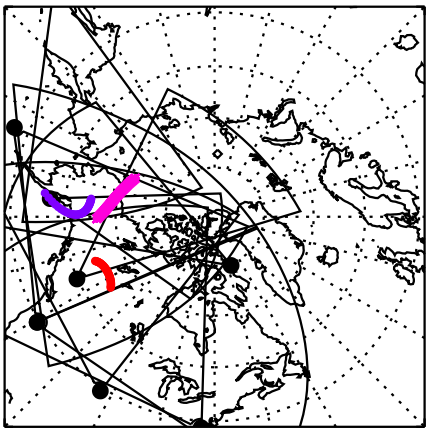


san

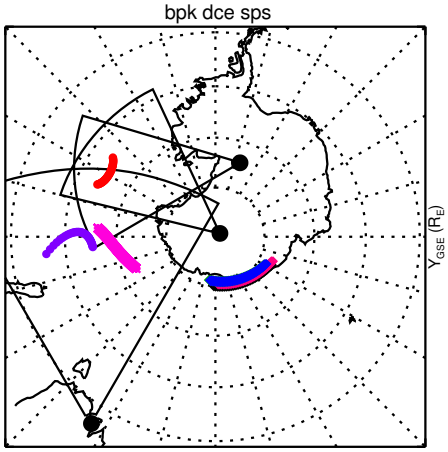


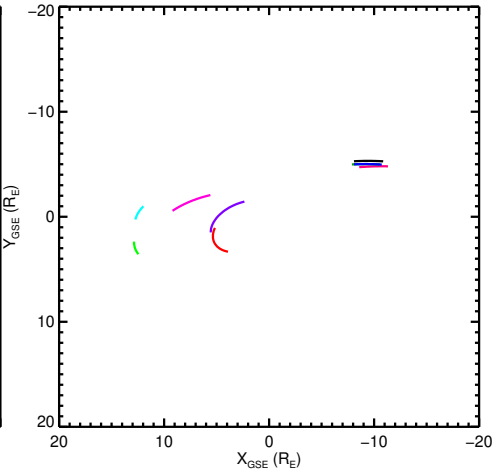


(c) 2050UT to 2355UT
ade bks cly cve cvw fhw hok kod pgr



bpk dce sps

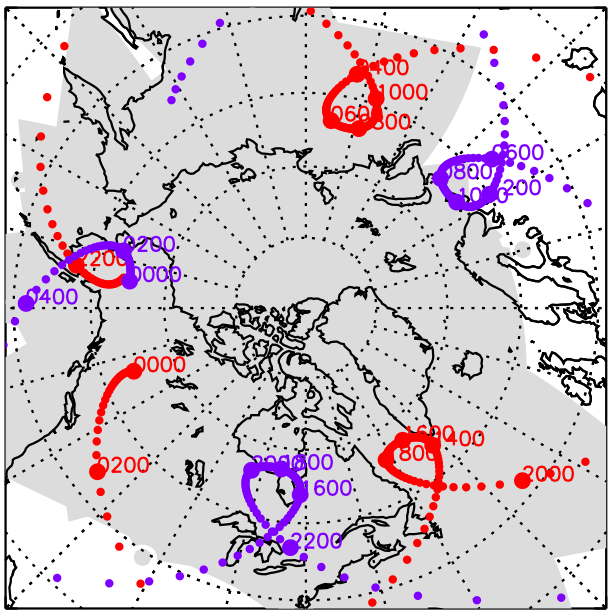


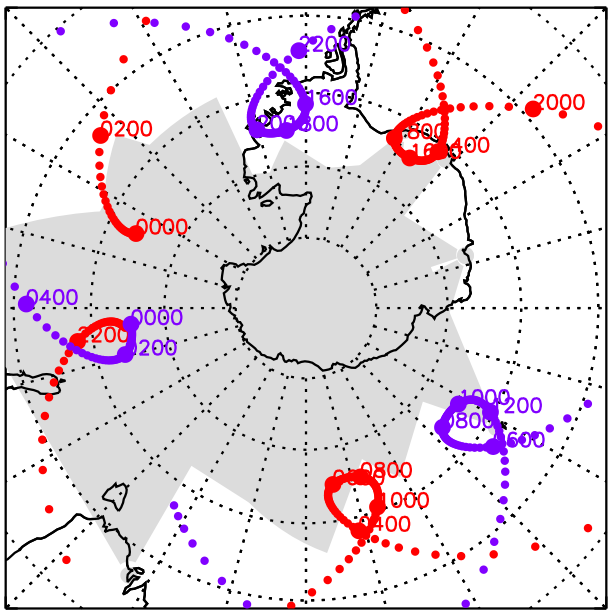


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

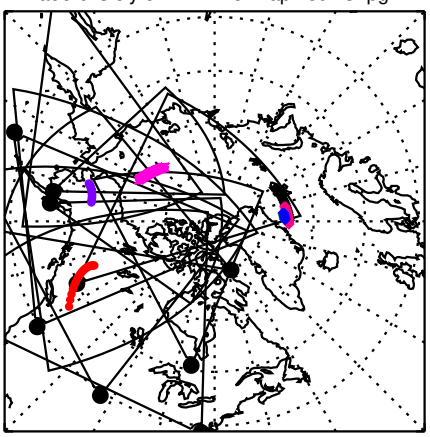
24–Aug–2017

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

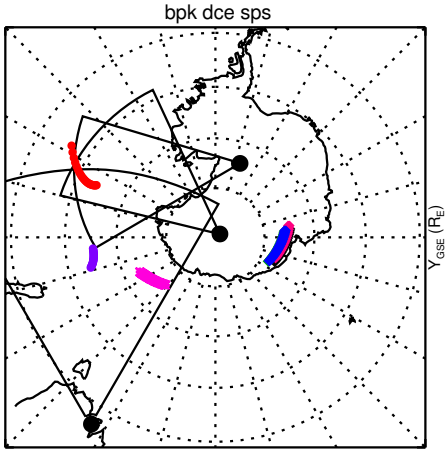


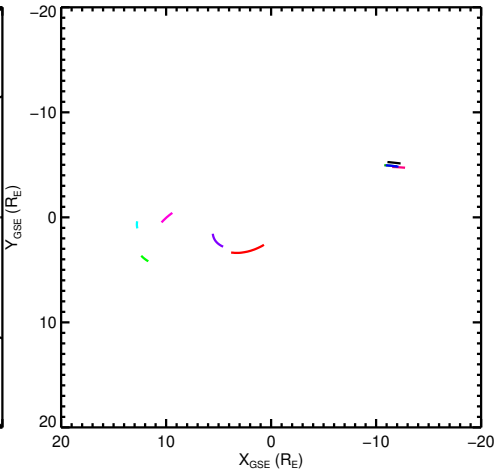


(a) 0000UT to 0145UT
ade bks cly cvw fhw hok kap kod ksr pgr

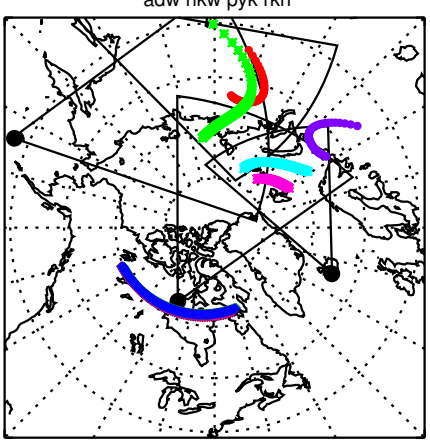


bpk dce sps

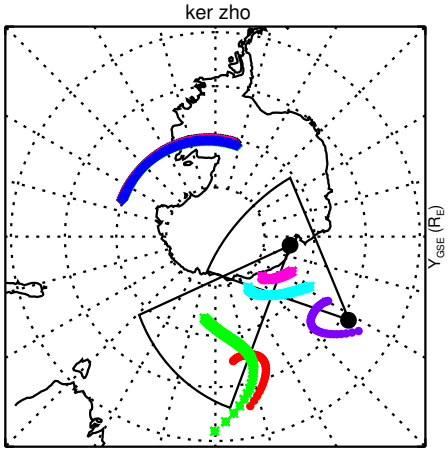


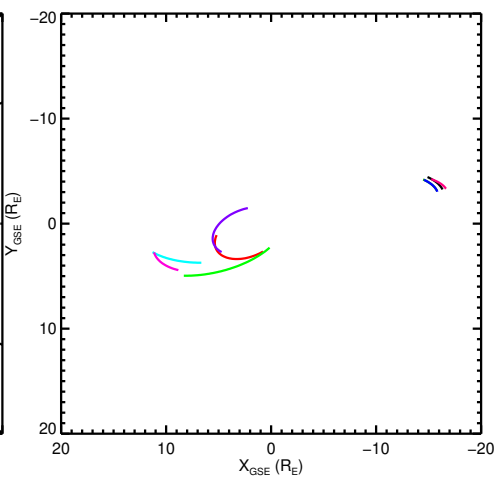


(b) 0550UT to 1040UT
adw hkw pyk rkn

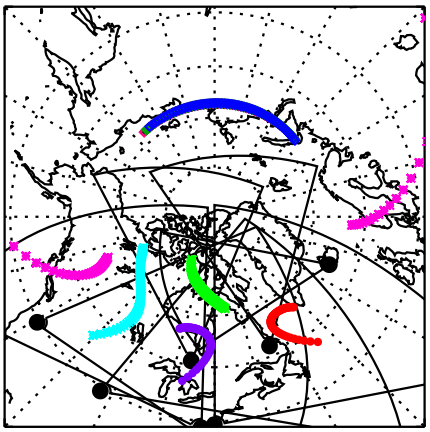


ker zho

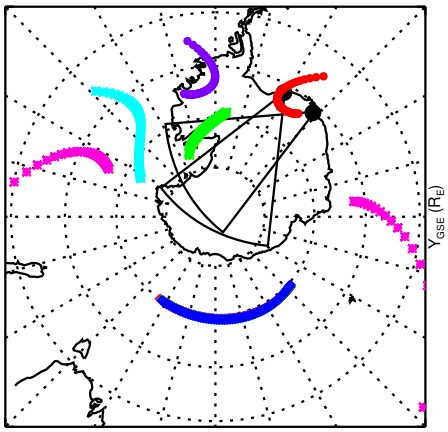


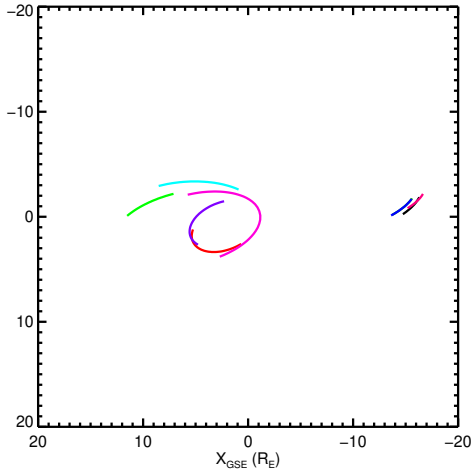


(c) 1455UT to 1940UT
bks cve fhe gbr kap sto wal

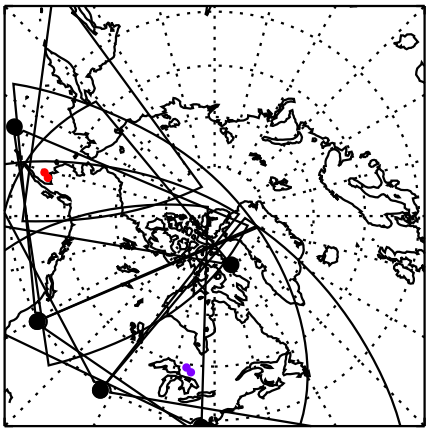


hal san

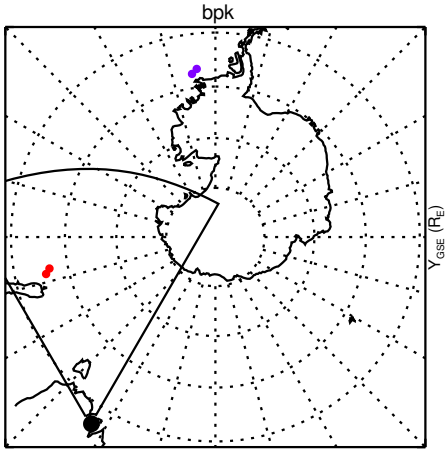


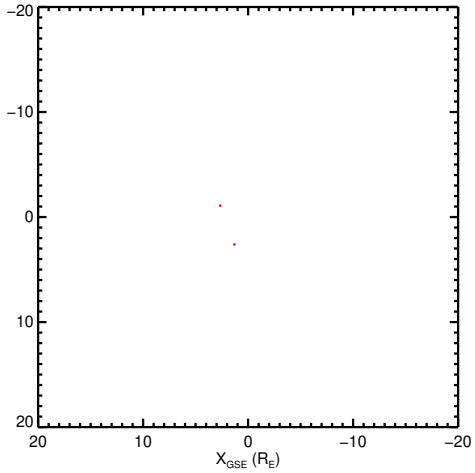


(d) 2145UT to 2150UT
ade bks cly cve cvw fhe fhw hok

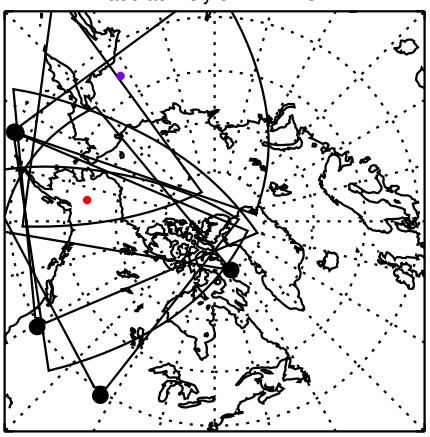


bpk

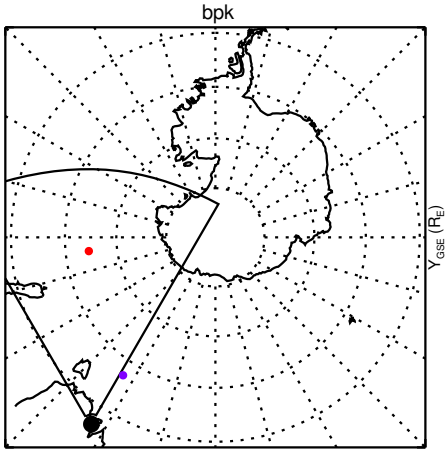


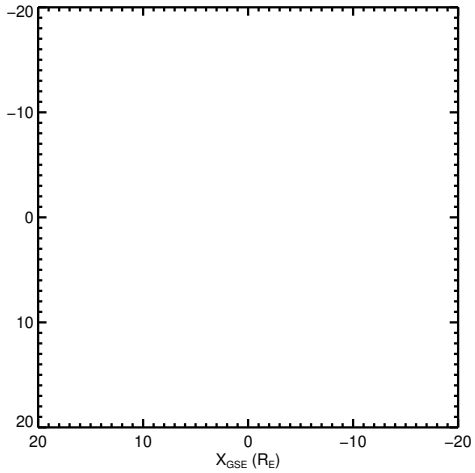


(e) 2355UT to 2355UT
ade adw cly cvw fhw hok



bpk

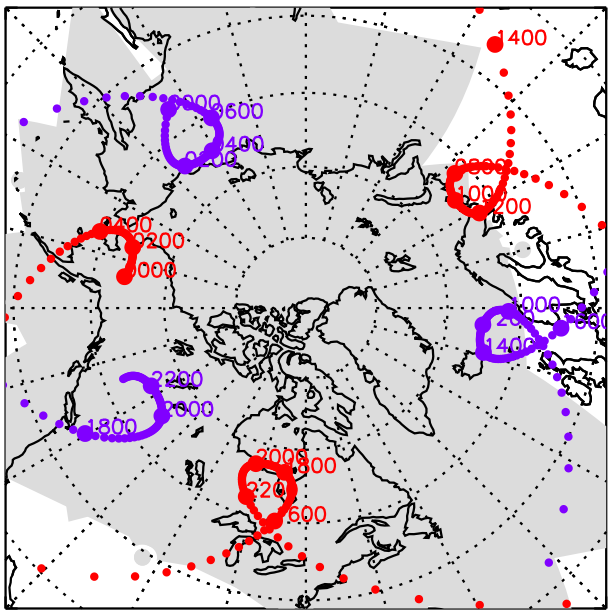


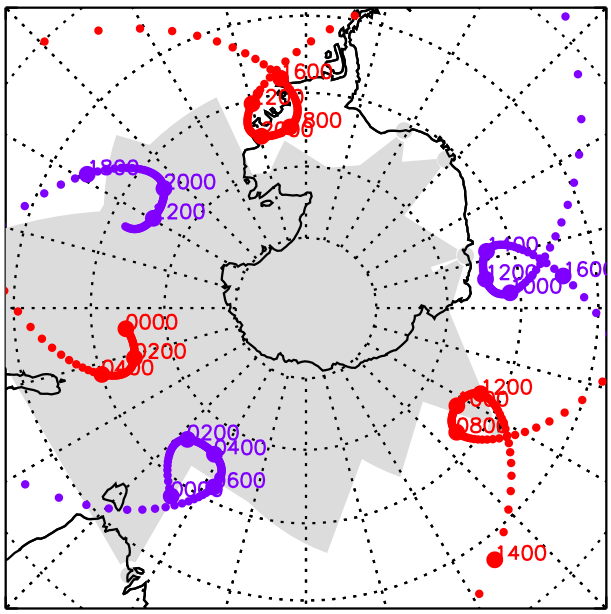


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

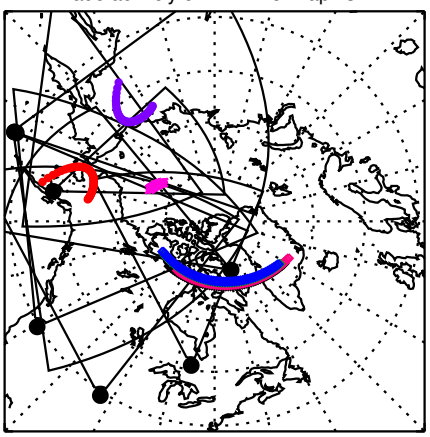
25–Aug–2017

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

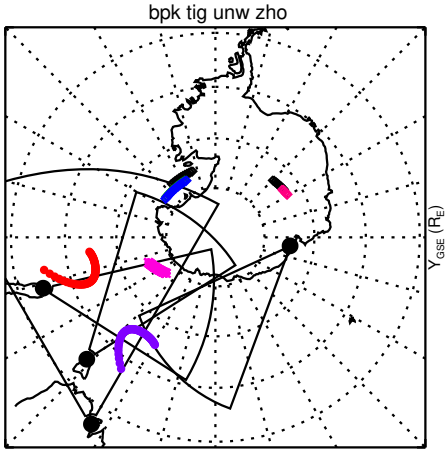


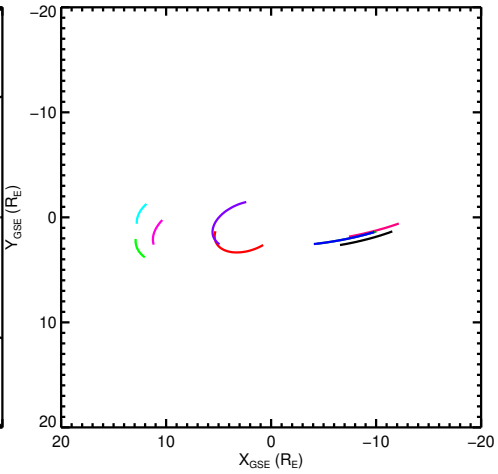


(a) 0000UT to 0435UT
ade adw cly cvw fhw hok kap ksr

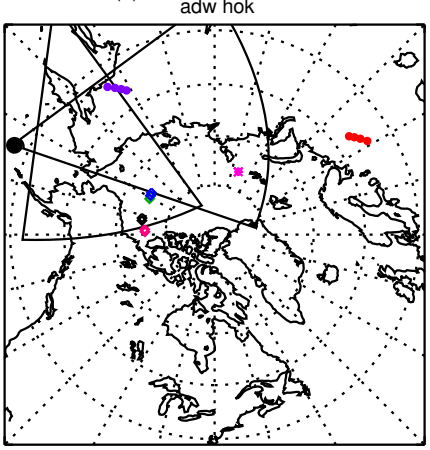


bpk tig unw zho

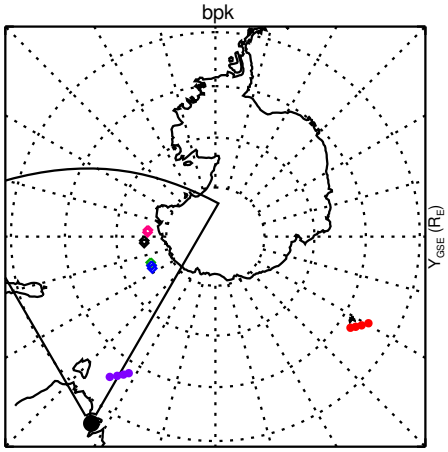


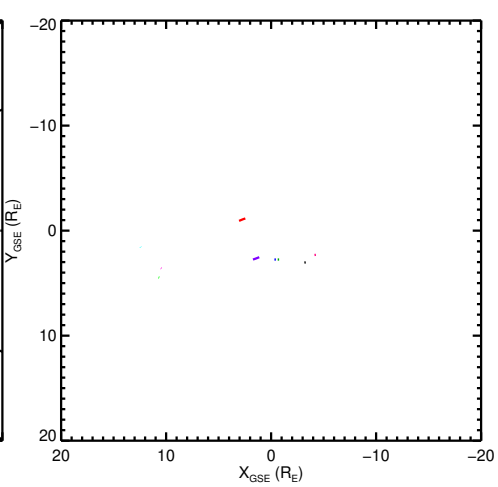


(b) 0640UT to 0655UT
adw hok

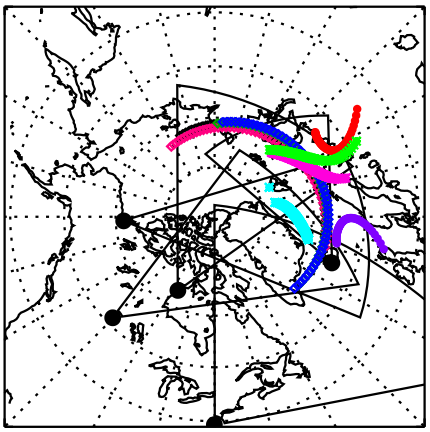


bpk





(c) 0900UT to 1330UT
inv pyk rkn sas wal



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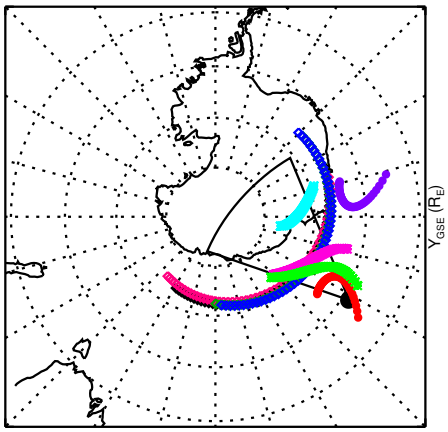
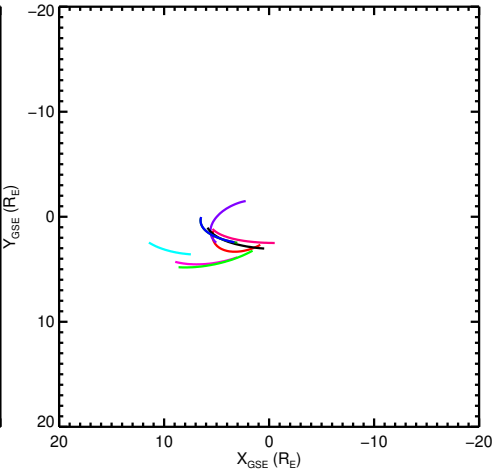
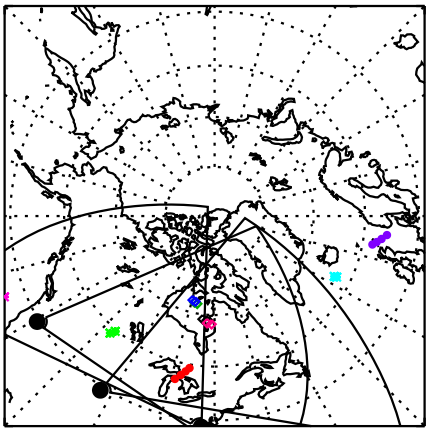
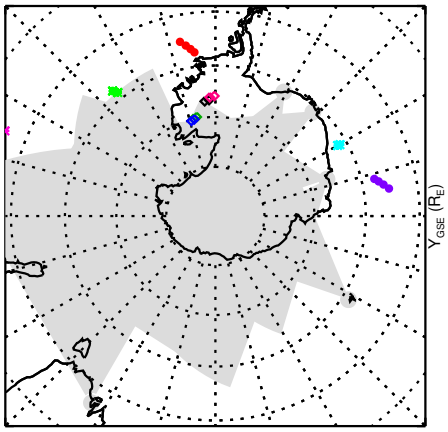
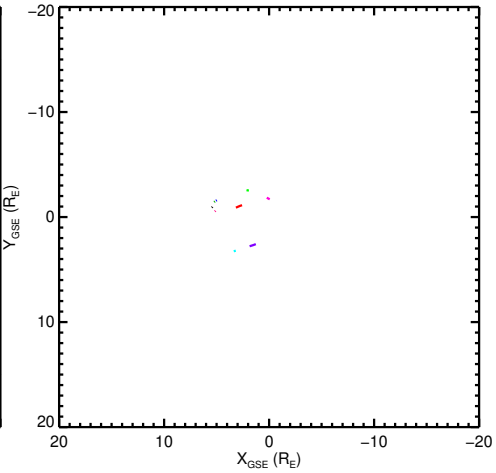




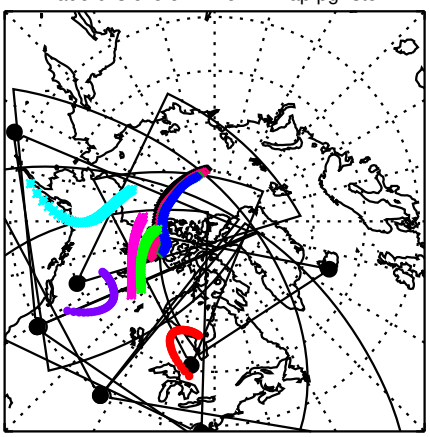
(d) 1540UT to 1555UT
bks cve fhe



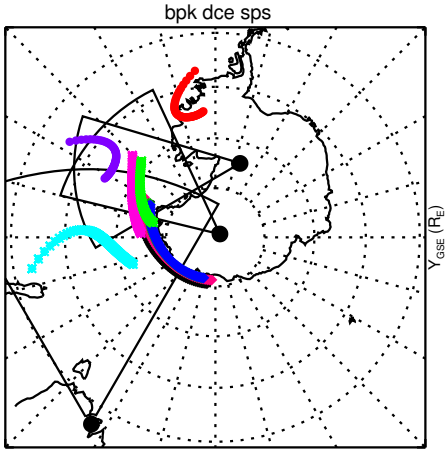


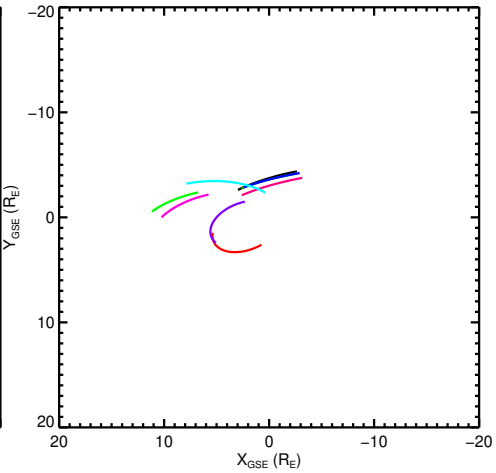


(e) 1805UT to 2230UT
ade bks cve cvw fhe fhw kap pgr sto



bpk dce sps

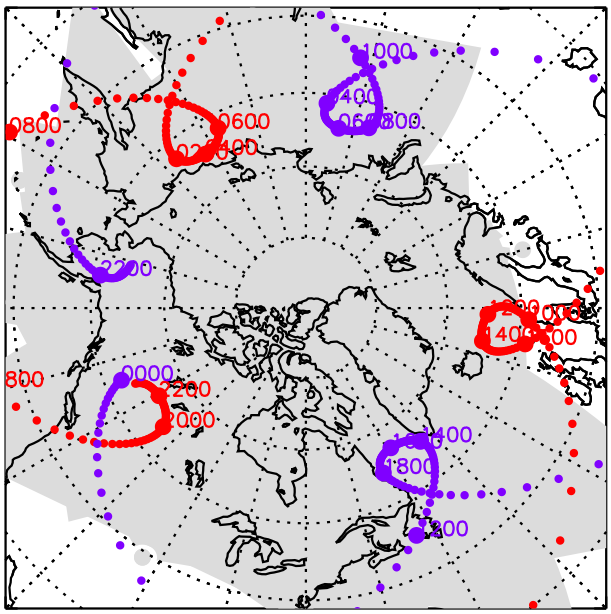


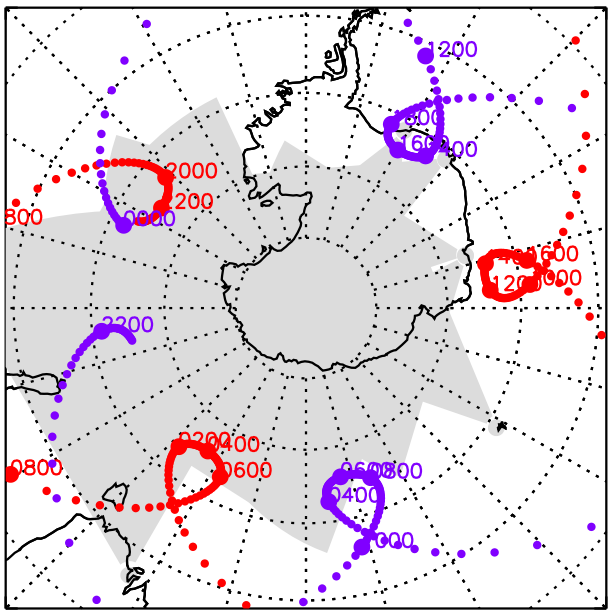


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

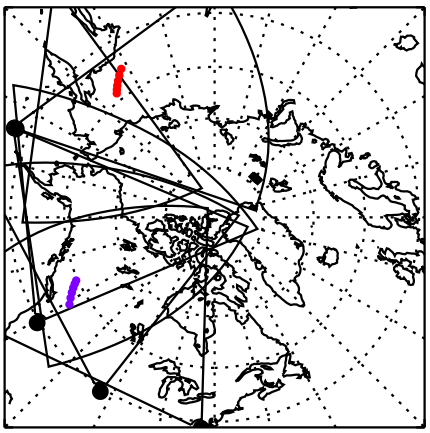
26–Aug–2017

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

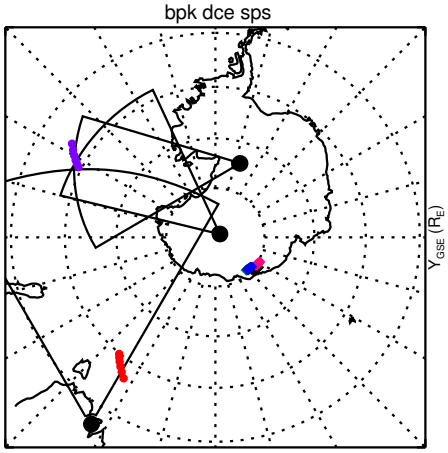


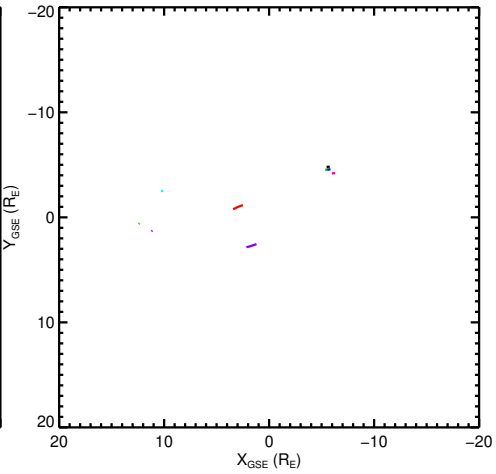


(a) 0035UT to 0100UT
ade adw bks cvw fhw hok

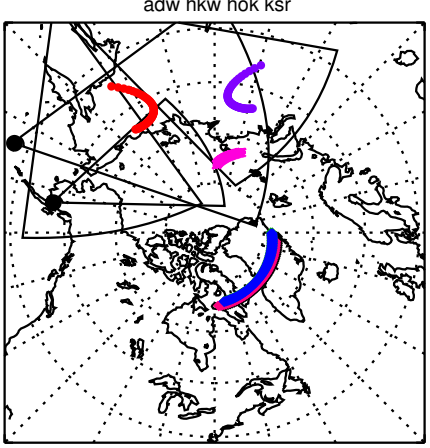


bpk dce sps

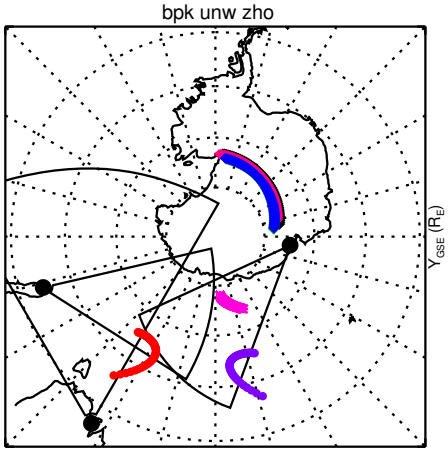


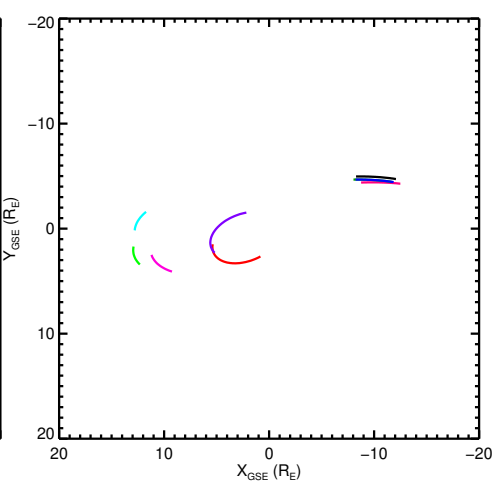


(b) 0305UT to 0725UT
adw hkw hok ksr

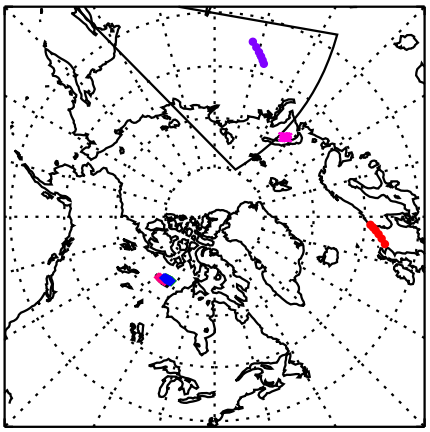


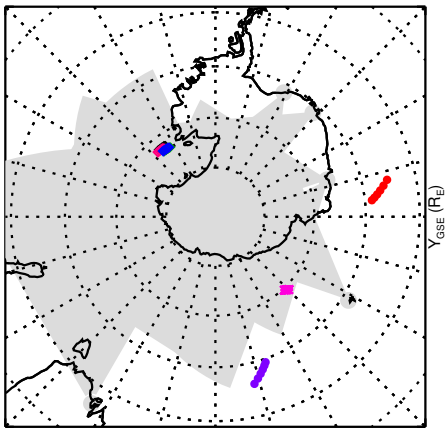
bpk unw zho

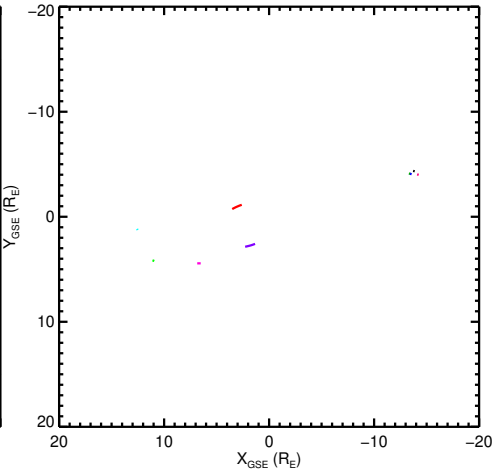




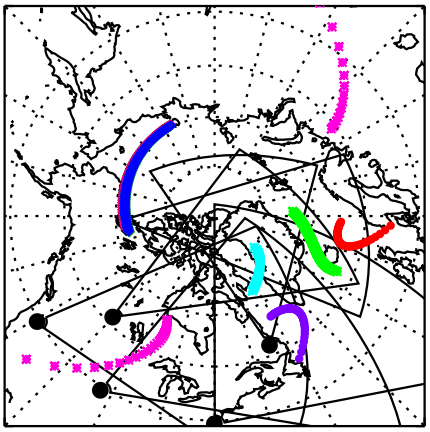
(c) 0935UT to 1000UT
hkw



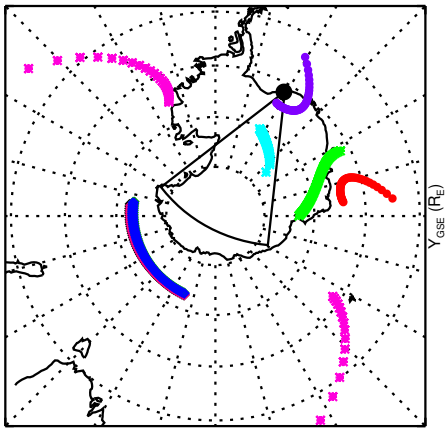


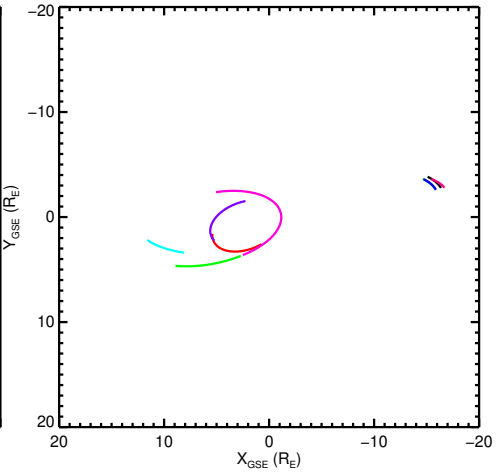


(d) 1210UT to 1625UT
cve fhe gbr inv sas wal

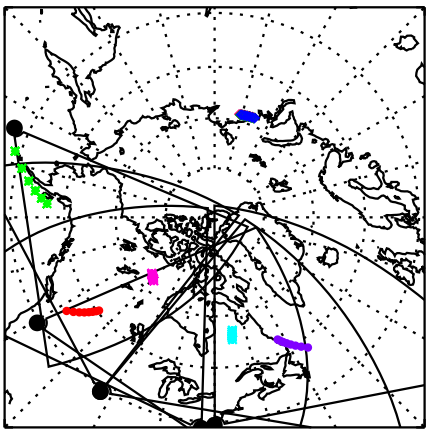


hal

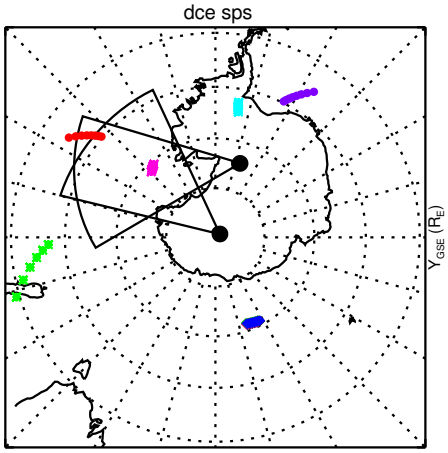


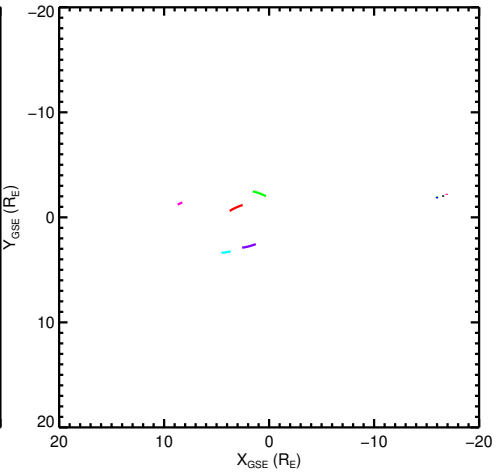


(e) 1830UT to 1905UT
ade bks cve fhe fhw wal

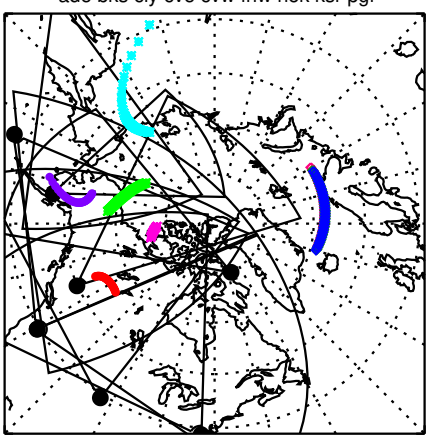


dce sps

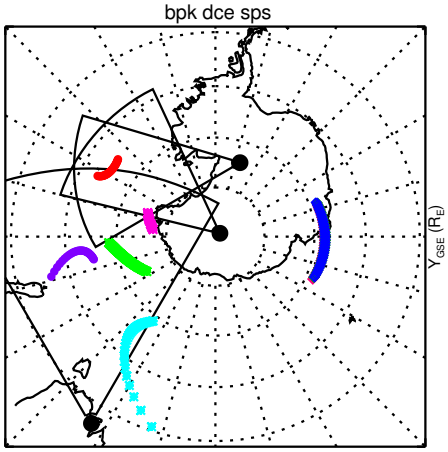


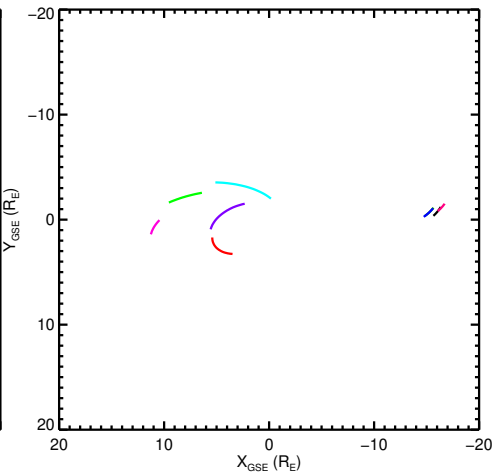


(f) 2115UT to 2355UT
ade bks cly cve cvw fhw hok ksr pgr



bpk dce sps

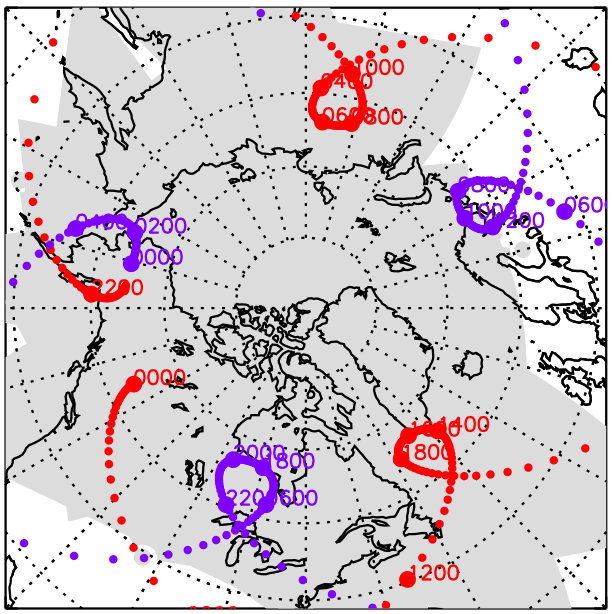


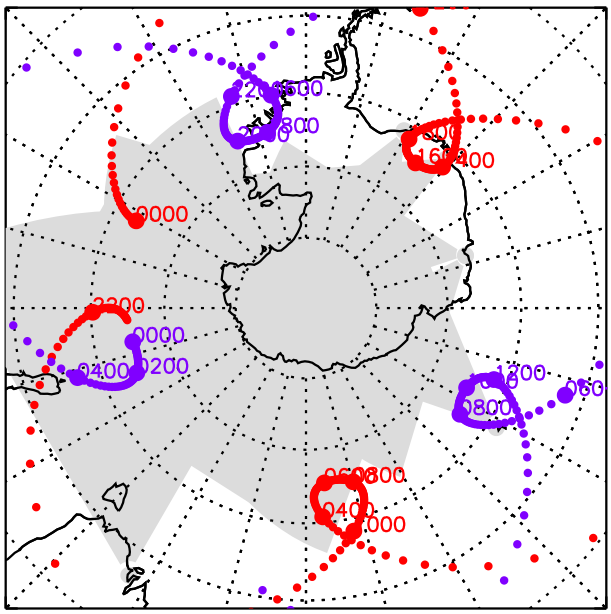


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

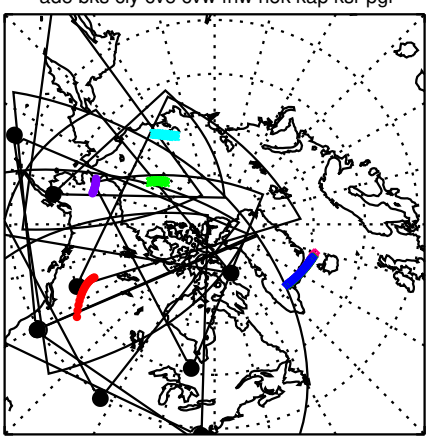
27–Aug–2017

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

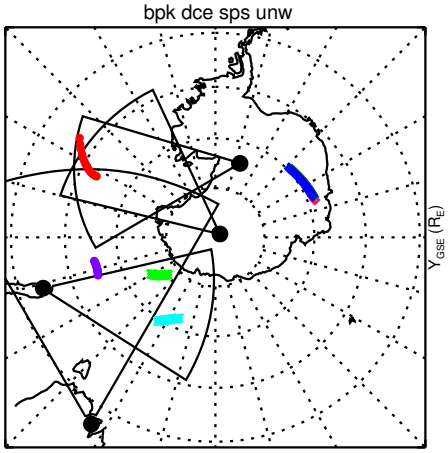


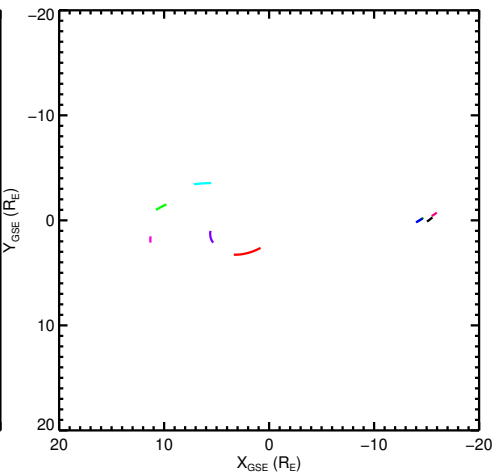


(a) 0000UT to 0120UT
ade bks cly cve cvw fhw hok kap ksr pgr

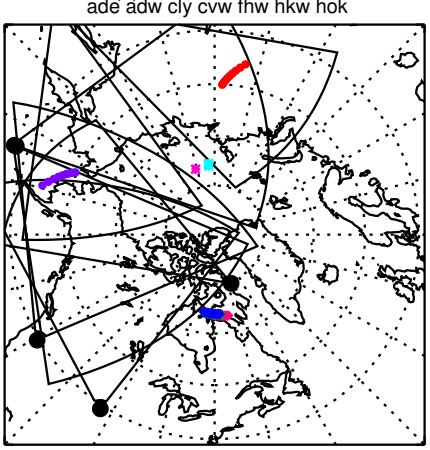


bpk dce sps unw

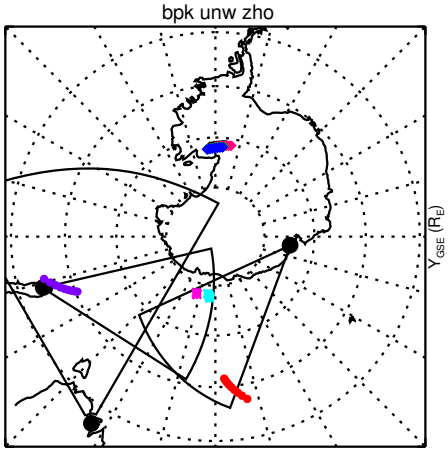


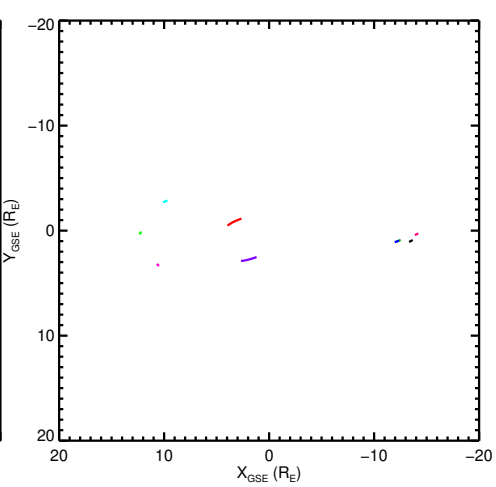


(b) 0330UT to 0410UT
ade adw cly cvw fhw hkw hok

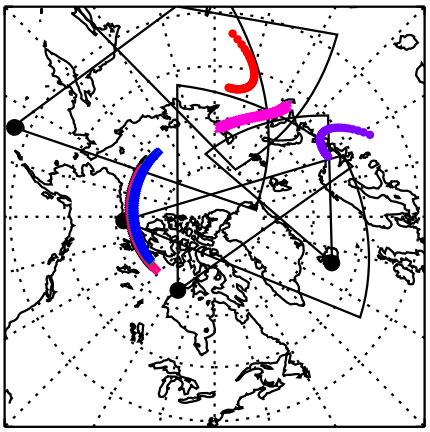


bpk unw zho

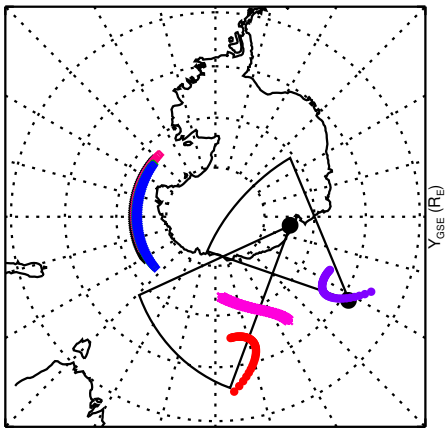


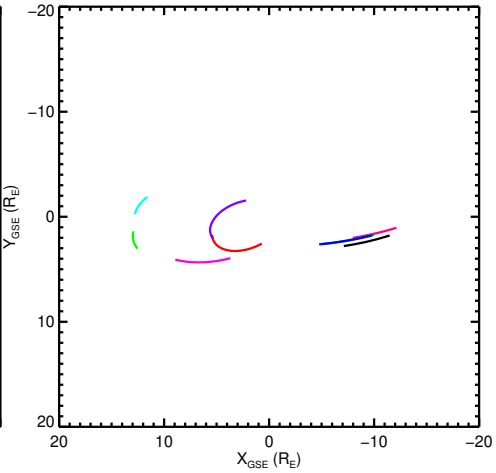


(c) 0615UT to 1020UT
adw hkw inv pyk rkn

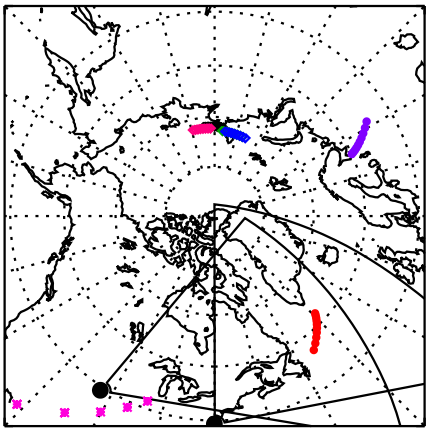


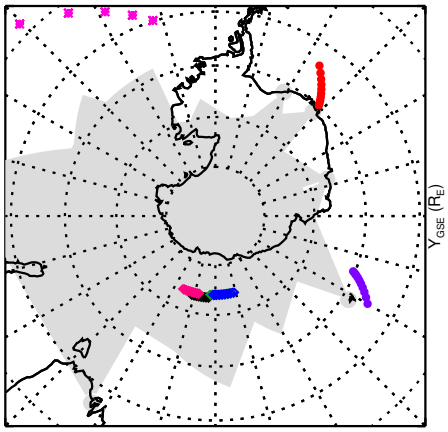
ker zho

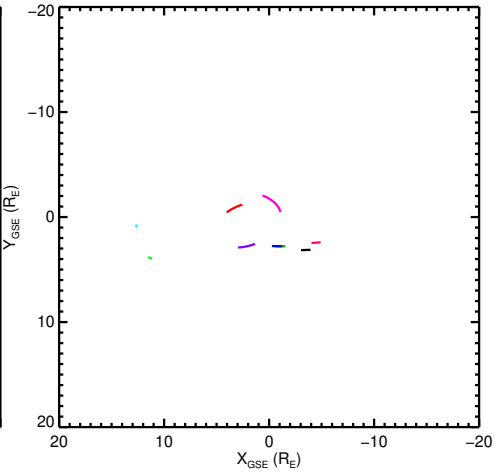




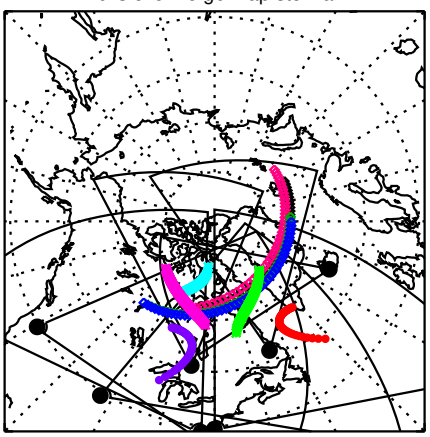
(d) 1225UT to 1310UT
fhe wal



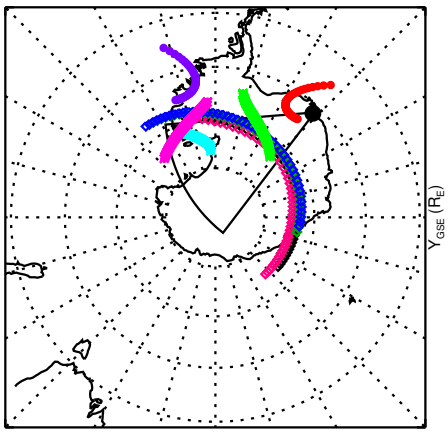


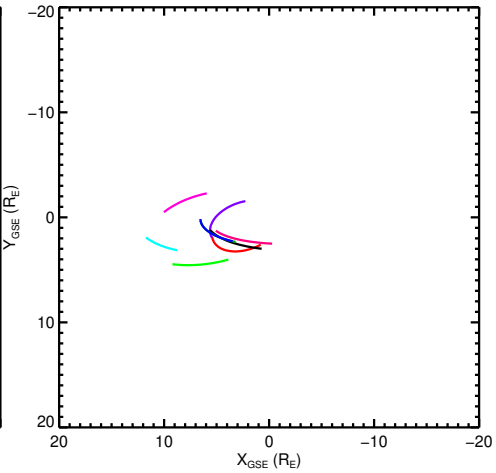


(e) 1520UT to 1915UT
bks cve fhe gbr kap sto wal

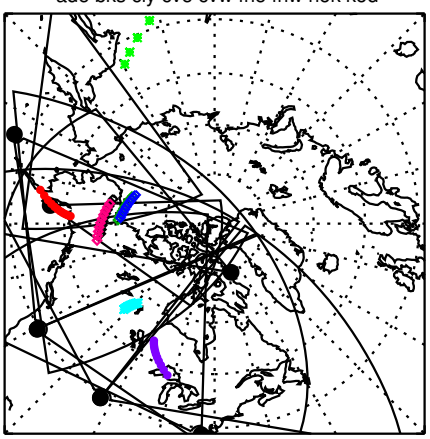


san

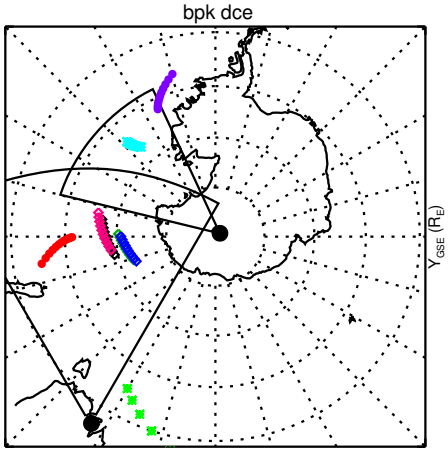


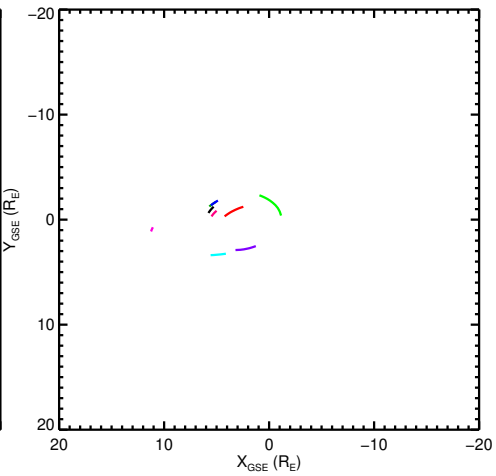


(f) 2120UT to 2215UT
ade bks cly cve cvw fhe fhw hok kod



bpk dce

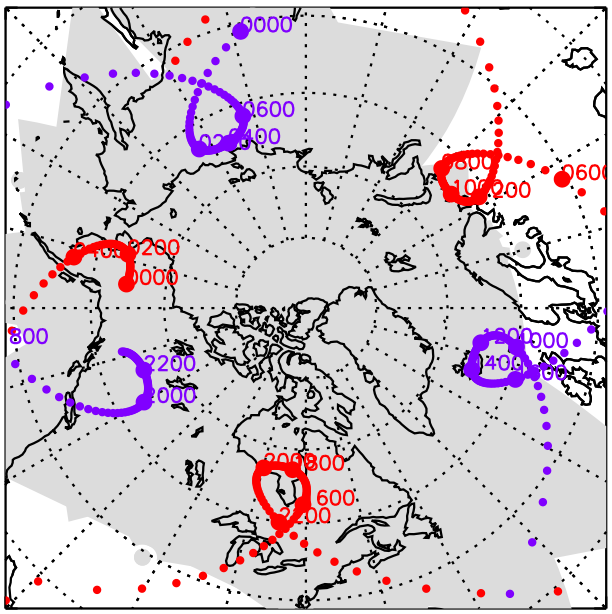


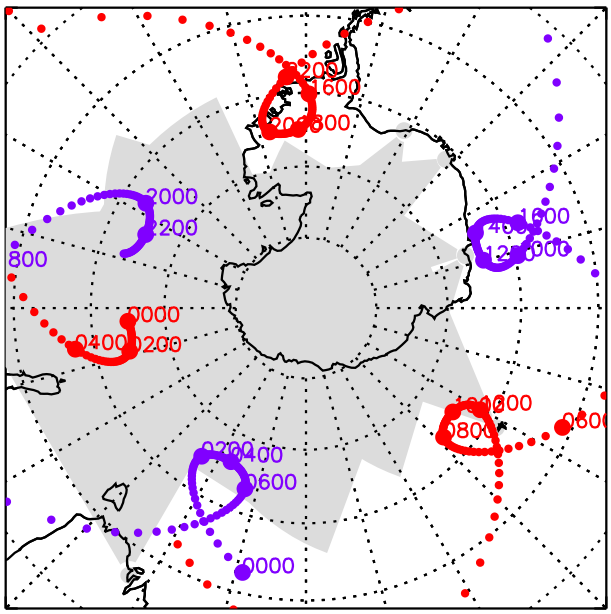


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

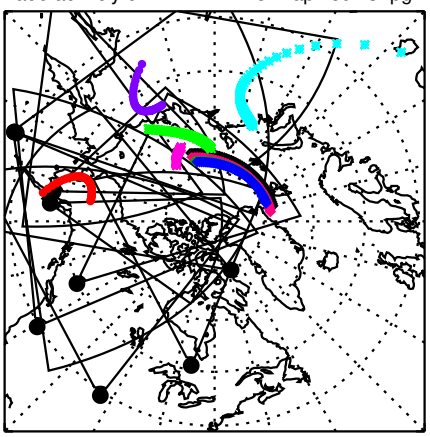
28–Aug–2017

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

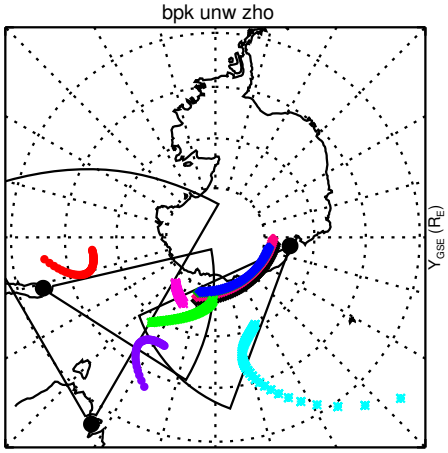


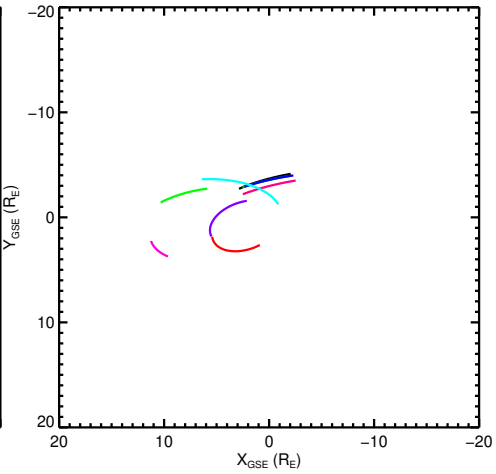


(a) 0020UT to 0410UT
ade adw cly cvw fhw hkw hok kap kod ksr pgr

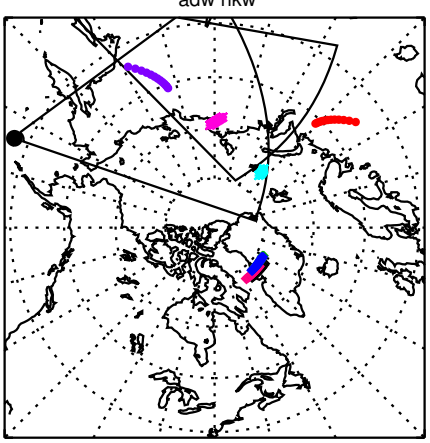


bpk unw zho

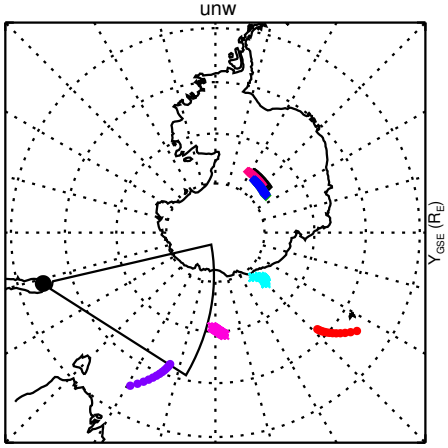


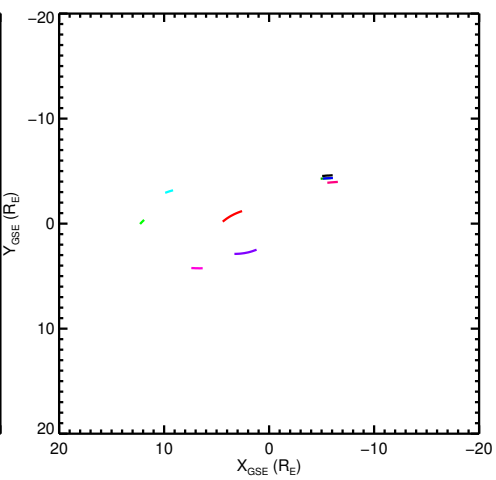


(b) 0620UT to 0720UT
adw hkw

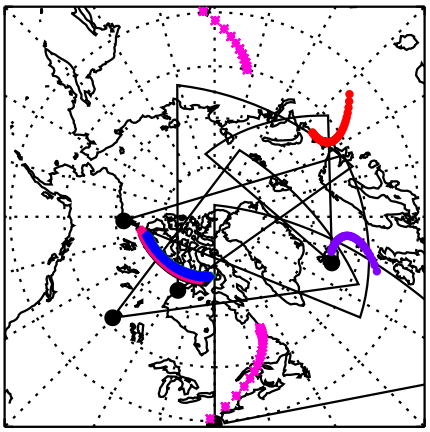


unw

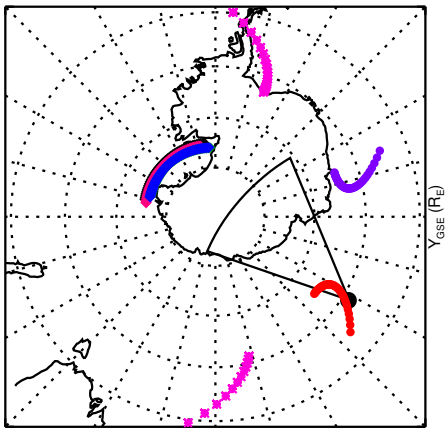


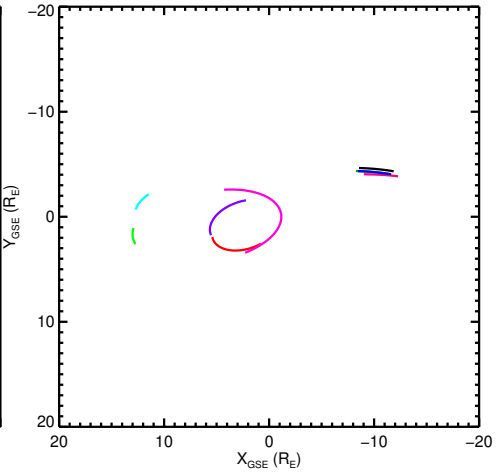


(c) 0925UT to 1310UT
inv pyk rkn sas wal

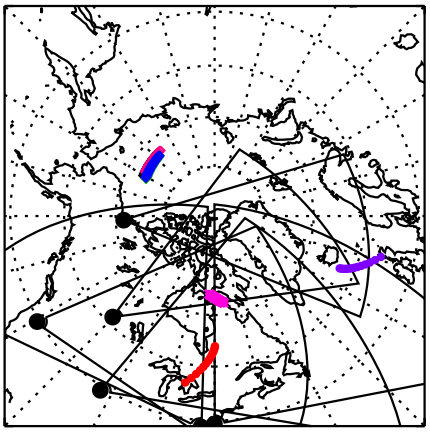


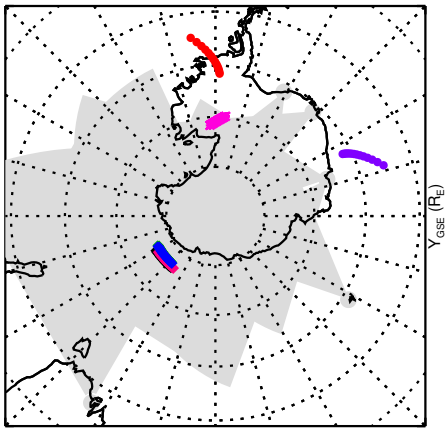
ker

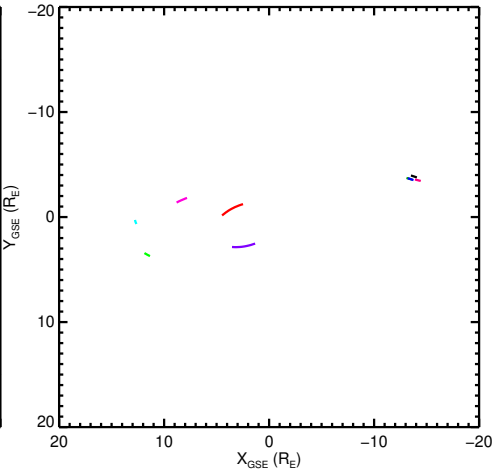




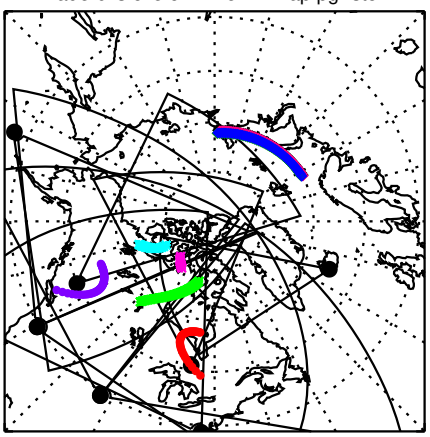
(d) 1515UT to 1620UT
bks cve fhe inv sas wal



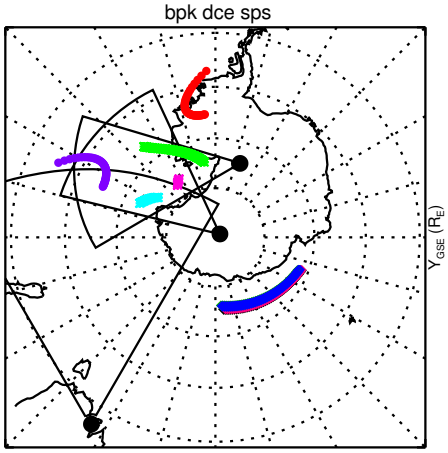


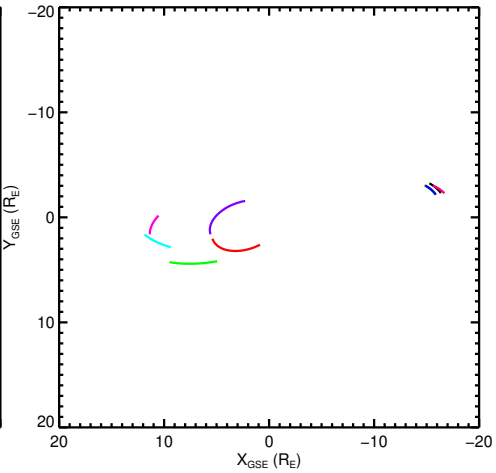


(e) 1830UT to 2205UT
ade bks cve cvw fhe fhw kap pgr sto



bpk dce sps

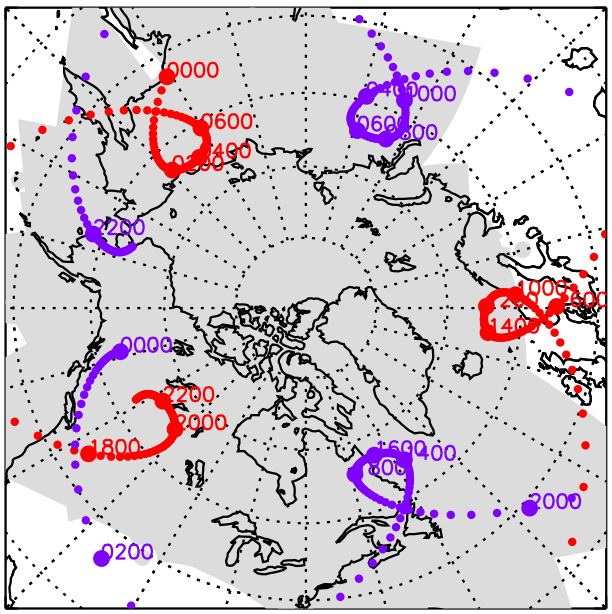


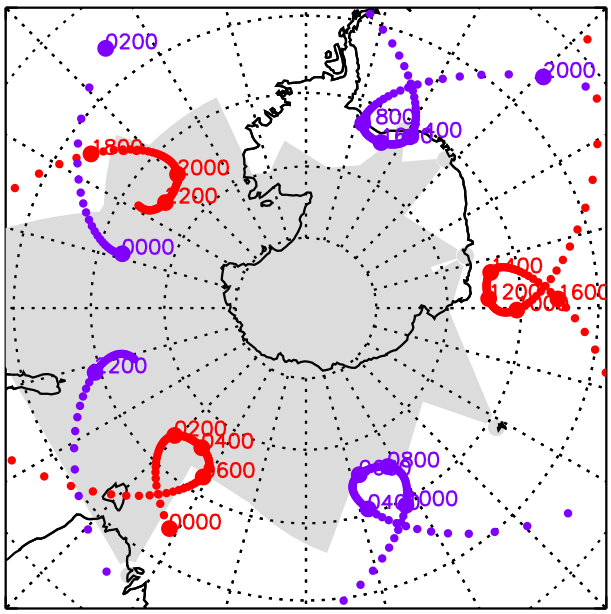


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

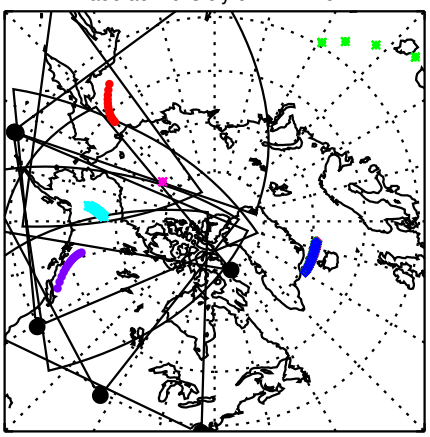
29–Aug–2017

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

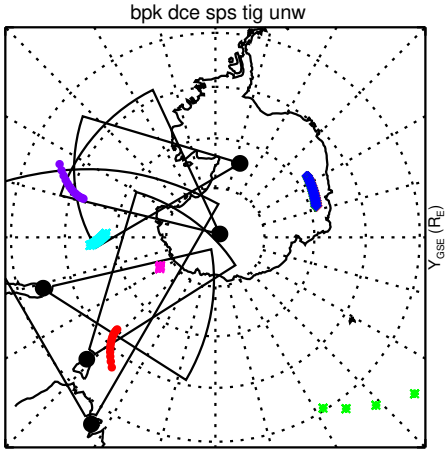


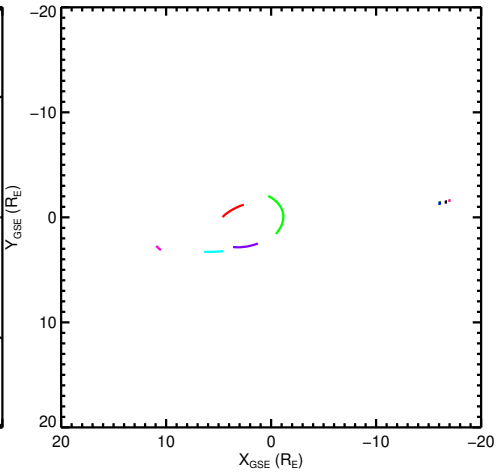


(a) 0015UT to 0125UT
ade adw bks cly cvw fhw hok

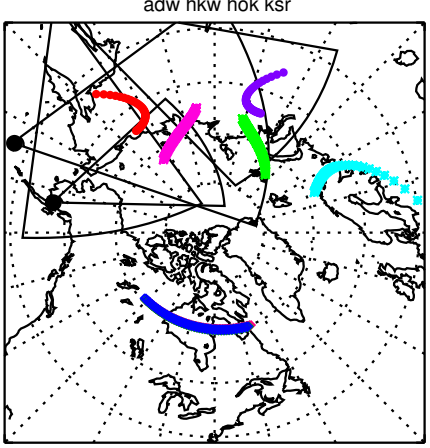


bpk dce sps tig unw

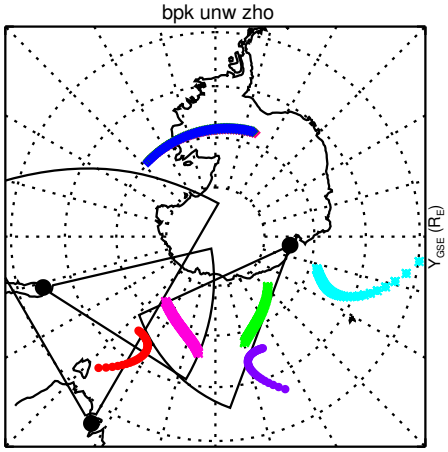


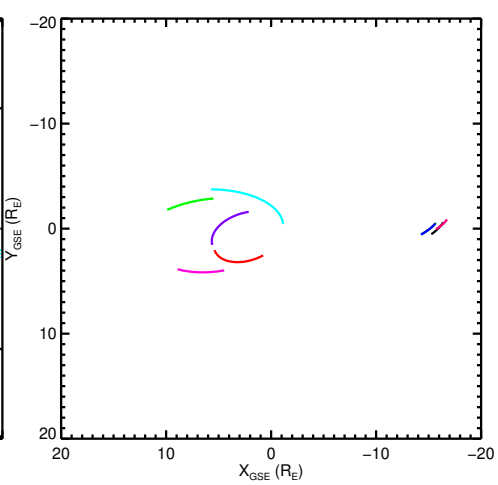


(b) 0330UT to 0705UT
adw hkw hok ksr

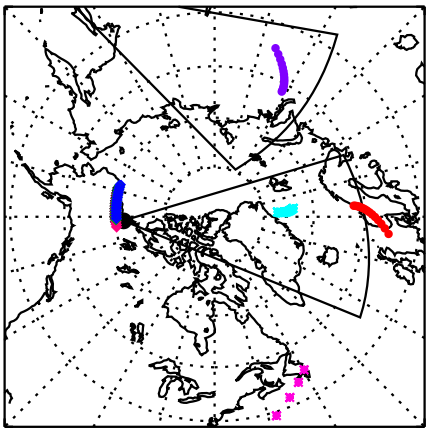


bpk unw zho

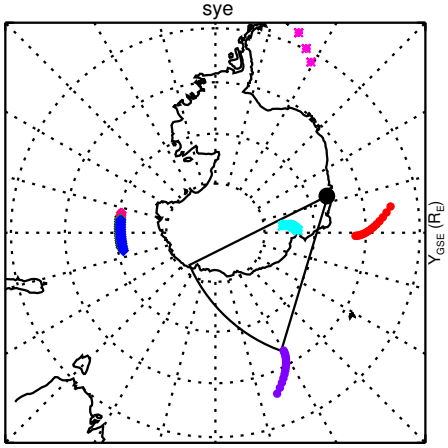


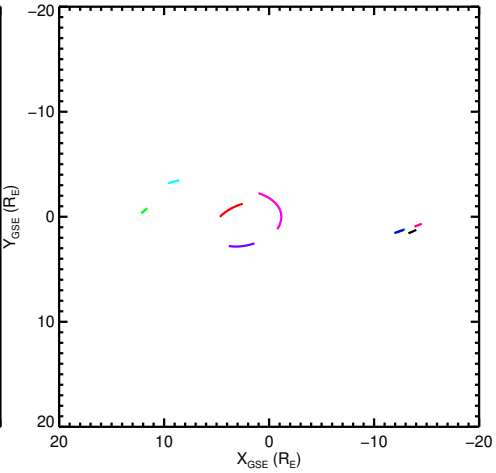


(c) 0910UT to 1025UT
hkw inv

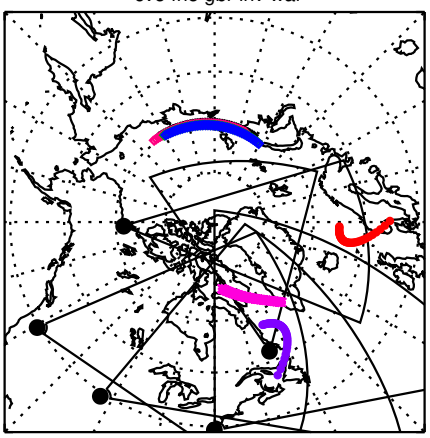


sye

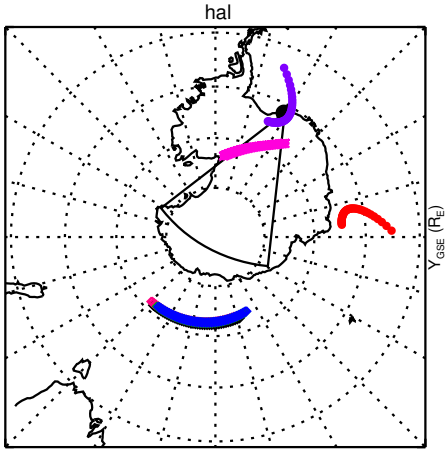


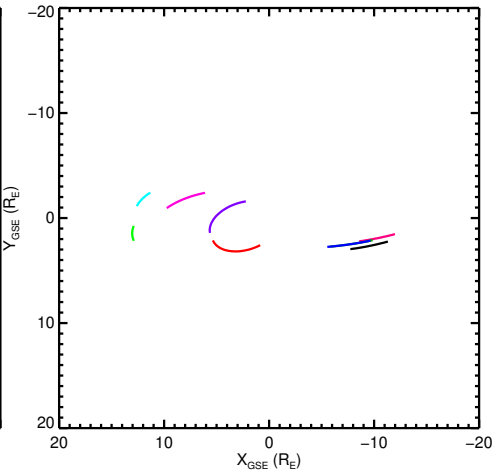


(d) 1235UT to 1600UT
cve fhe gbr inv wal

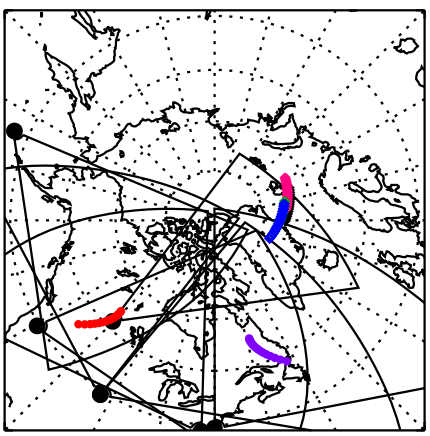


hal

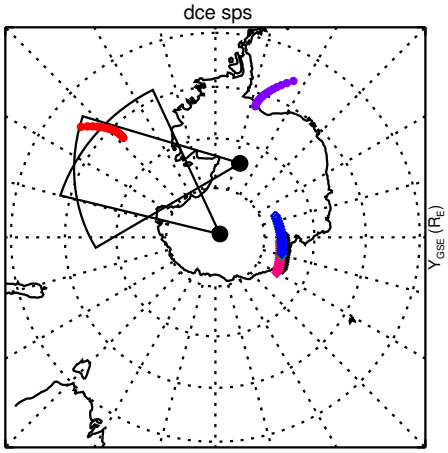


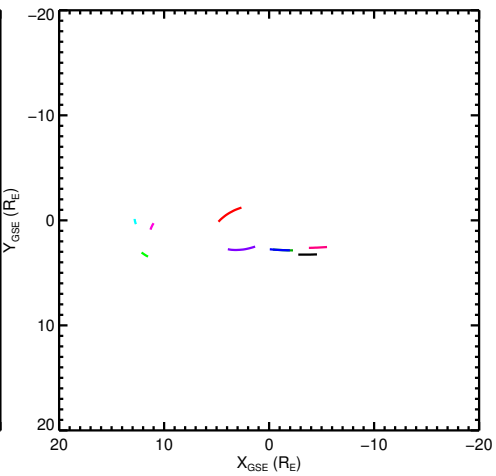


(e) 1810UT to 1930UT
ade bks cve fhe fhw sas wal

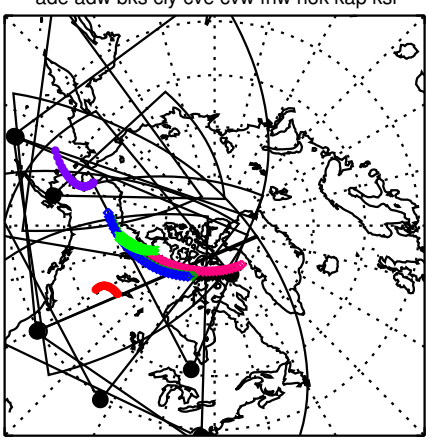


dce sps

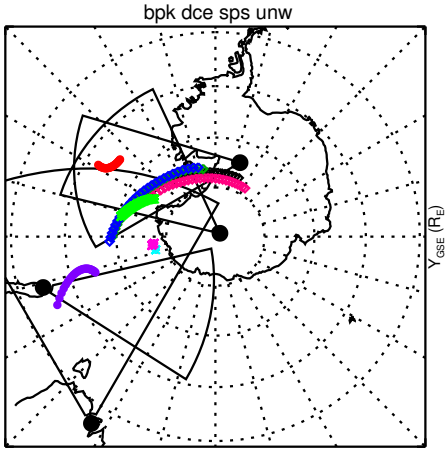


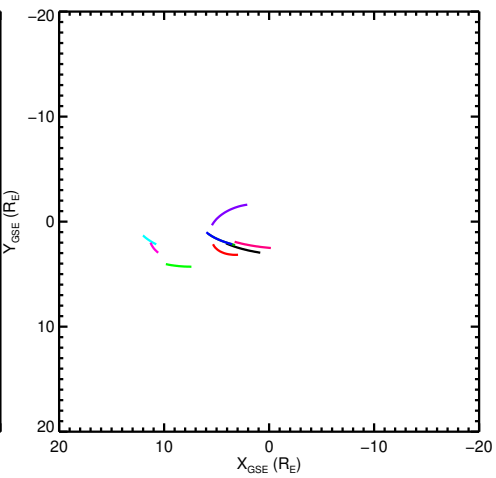


(f) 2135UT to 2355UT
ade adw bks cly cve cvw fhw hok kap ksr



bpk dce sps unw

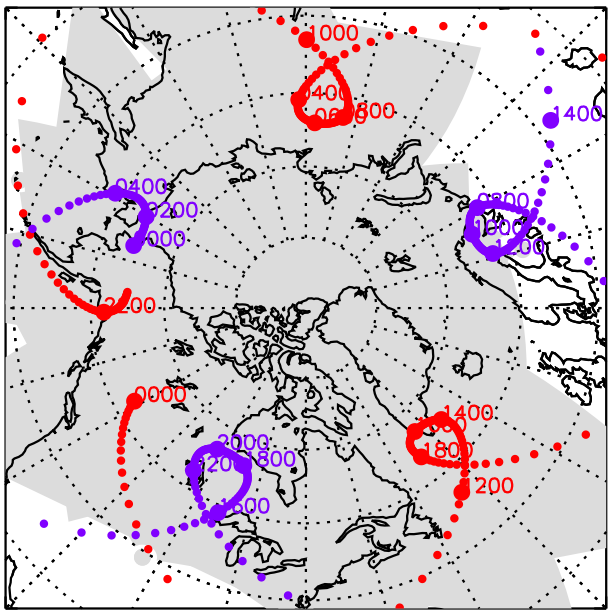


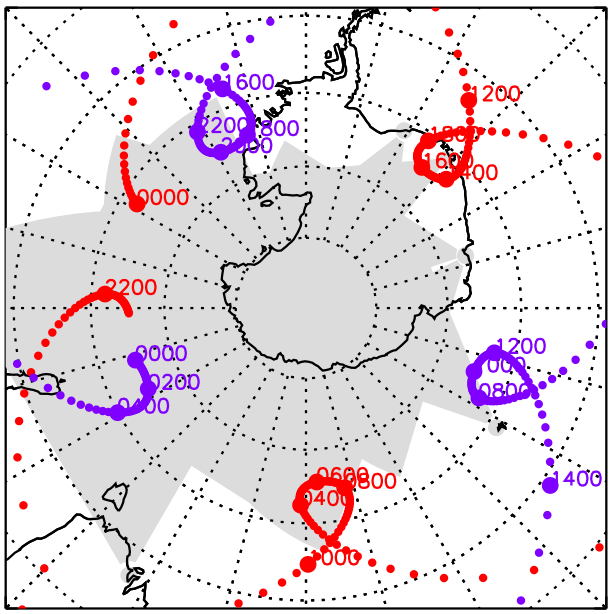


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

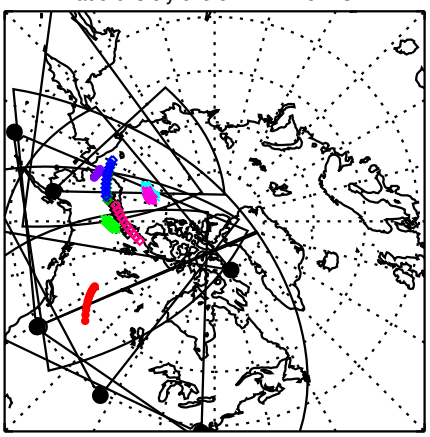
30–Aug–2017

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

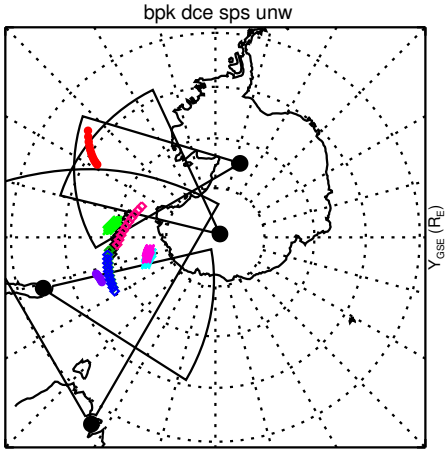


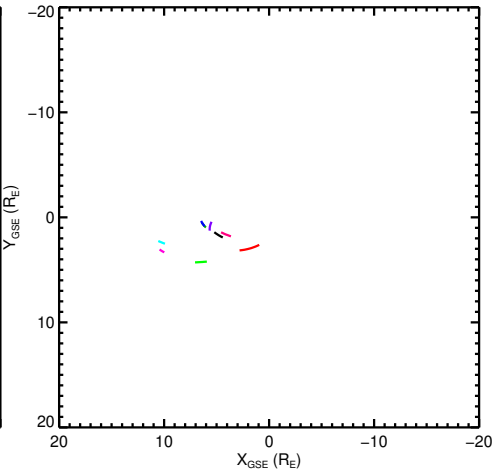


(a) 0000UT to 0055UT
ade bks cly cve cvw fhw hok ksr

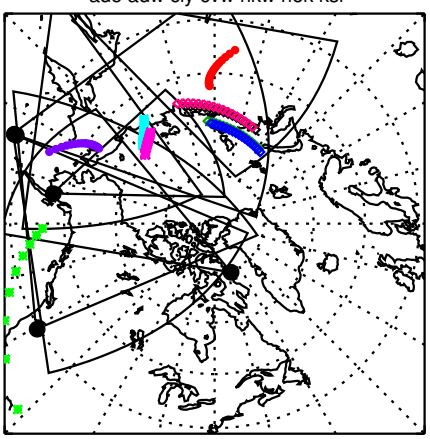


bpk dce sps unw

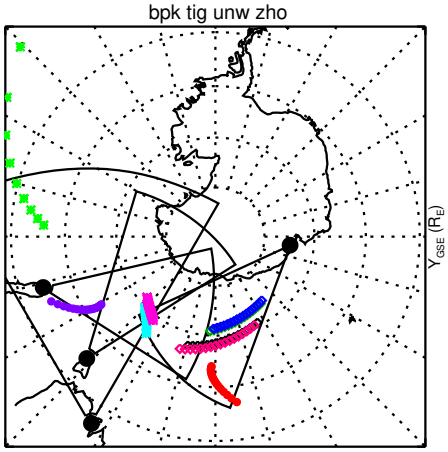


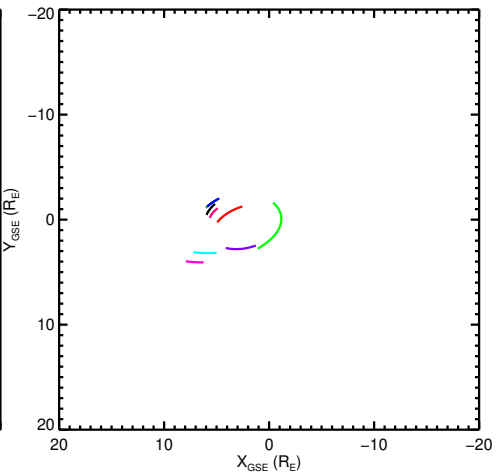


(b) 0305UT to 0435UT
ade adw cly cvw hkw hok ksr

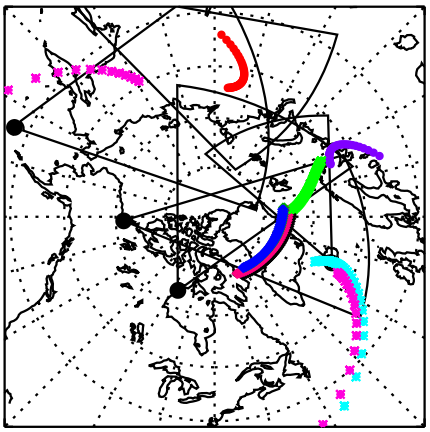


bpk tig unw zho

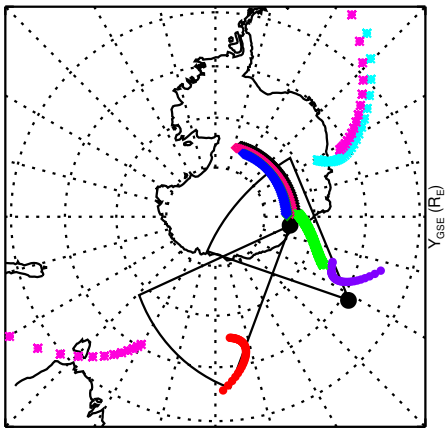


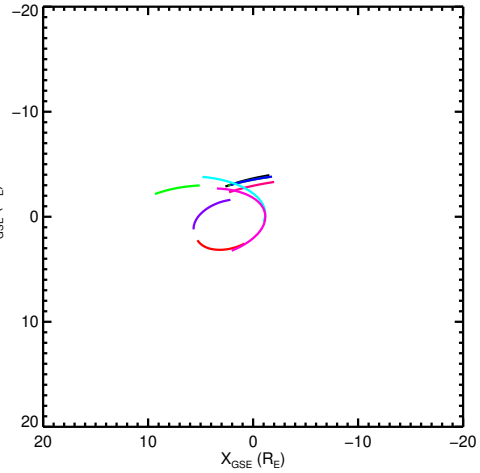


(c) 0640UT to 0955UT
adw hkw inv pyk rkn

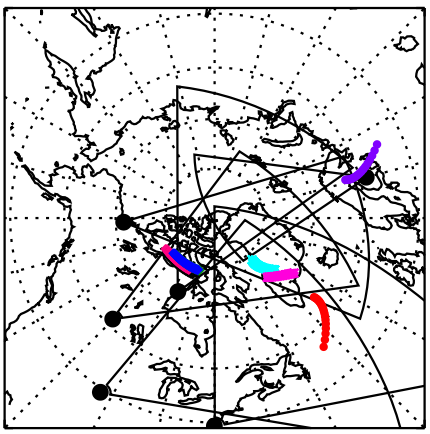


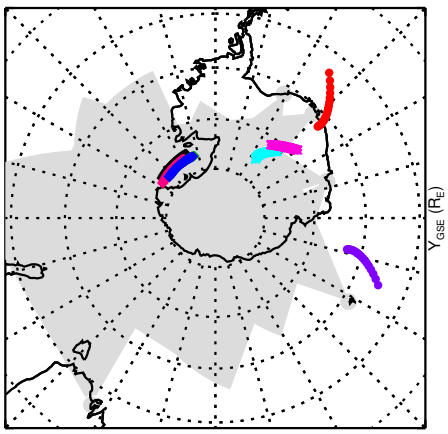
ker zho

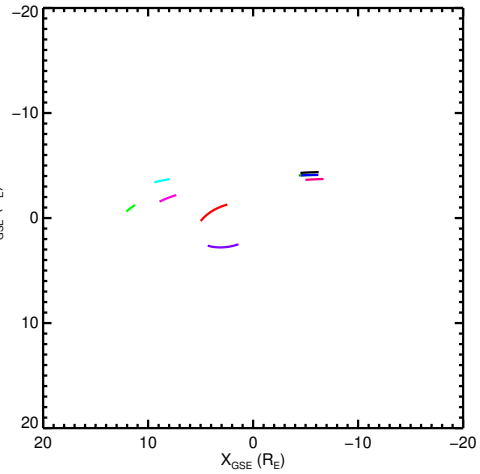




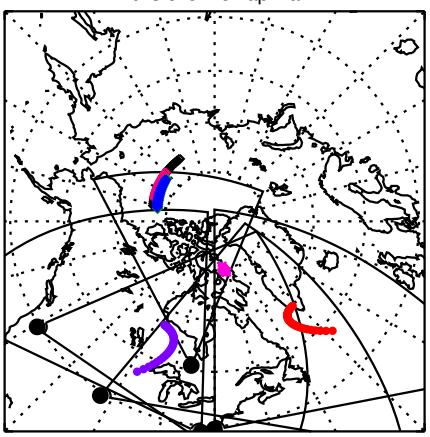
(d) 1200UT to 1335UT
fhe han inv rkn sas wal



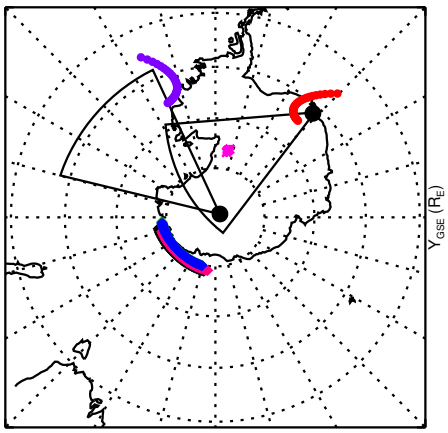


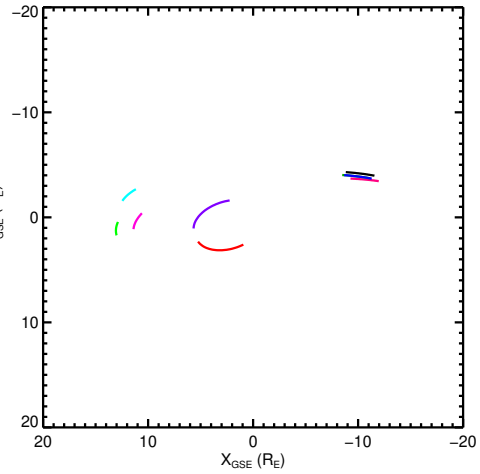


(e) 1545UT to 1850UT
bks cve fhe kap wal

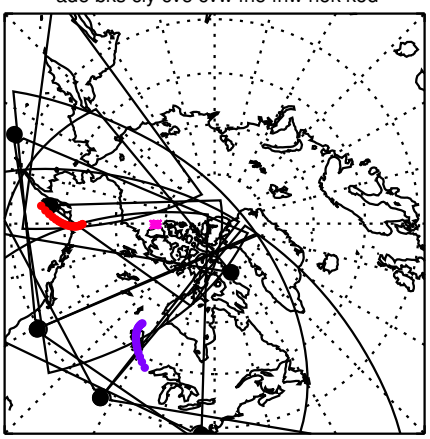


dce san

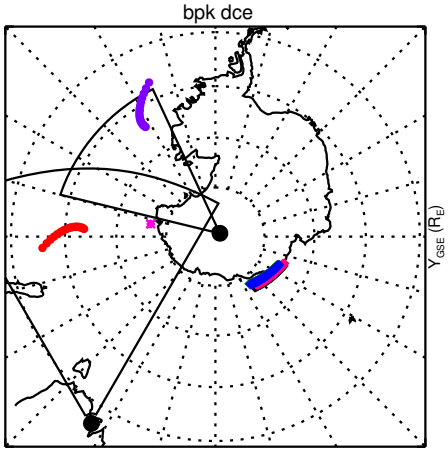


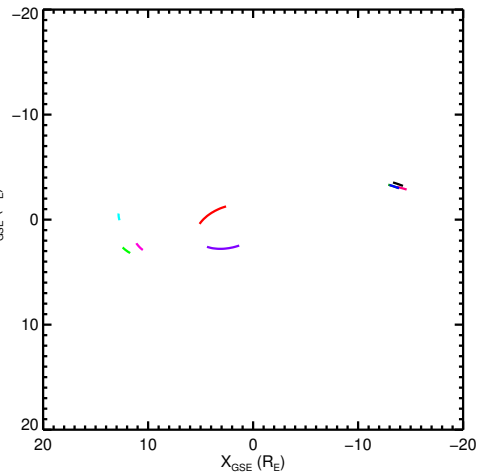


(f) 2100UT to 2240UT
ade bks cly cve cvw fhe fhw hok kod



bpk dce

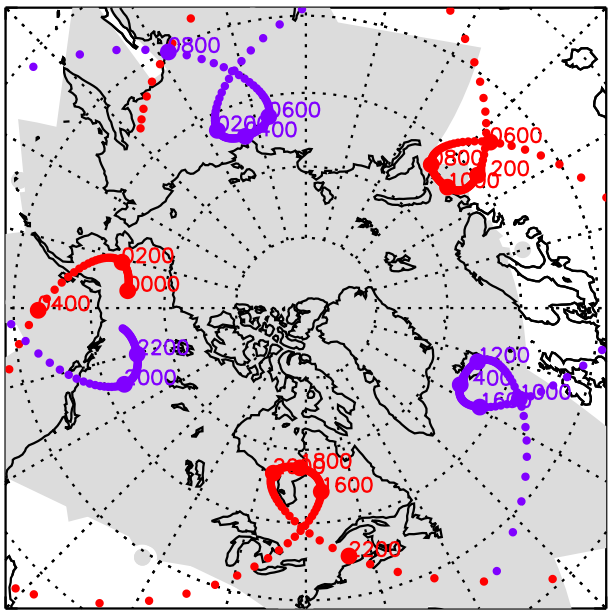


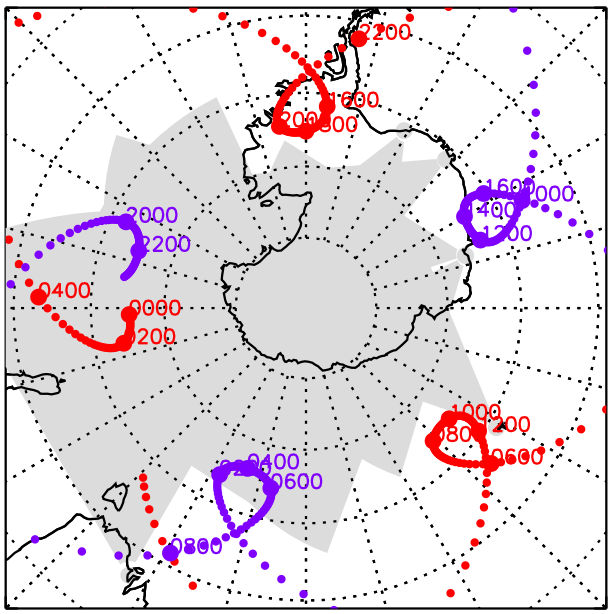


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

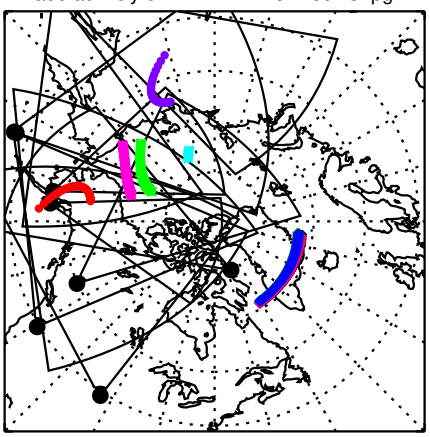
31−Aug−2017

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

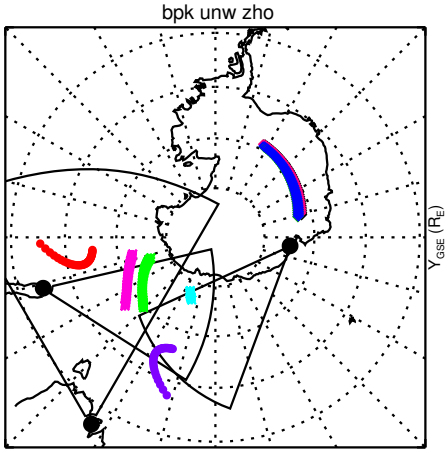


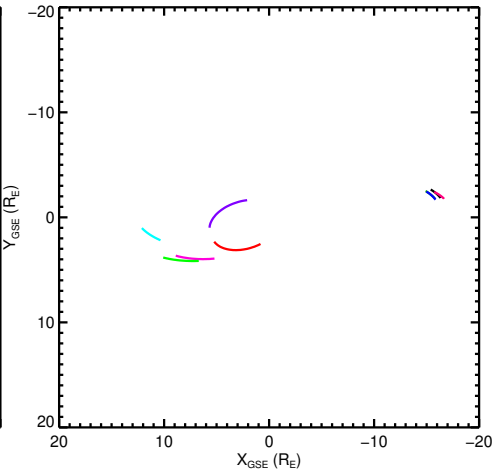


(a) 0045UT to 0350UT
ade adw cly cvw fhw hkw hok kod ksr pgr

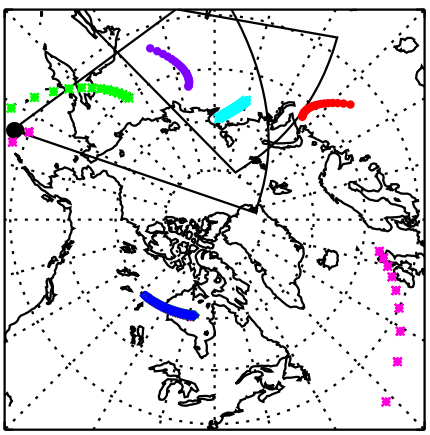


bpk unw zho

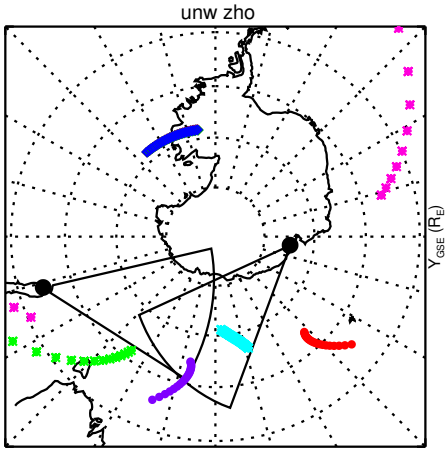


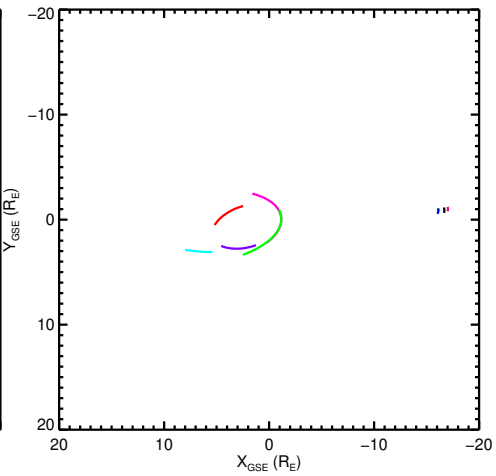


(b) 0555UT to 0745UT
adw hkw

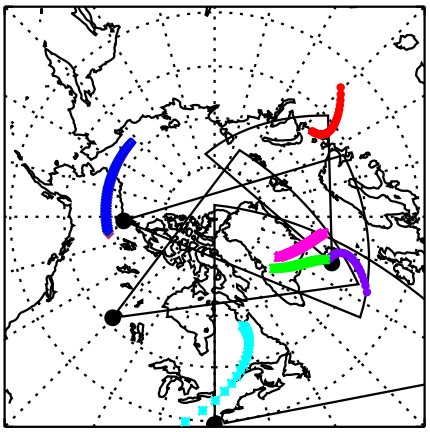


unw zho





(c) 0950UT to 1245UT
inv pyk sas wal



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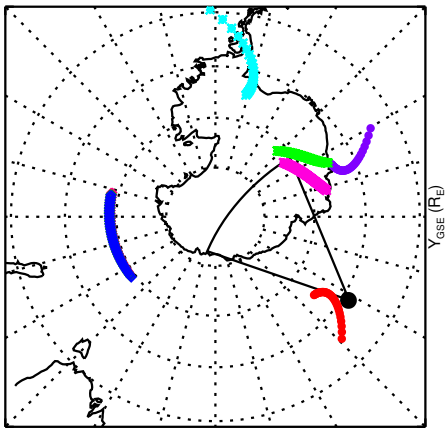
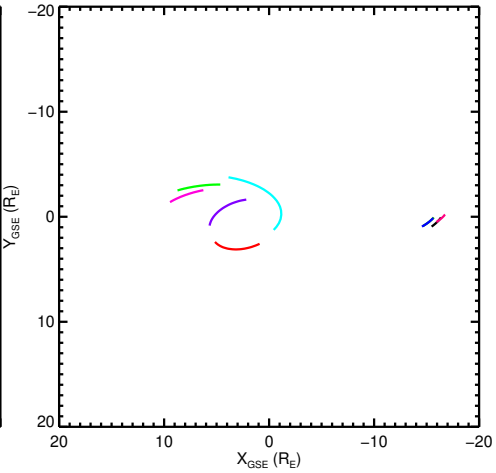
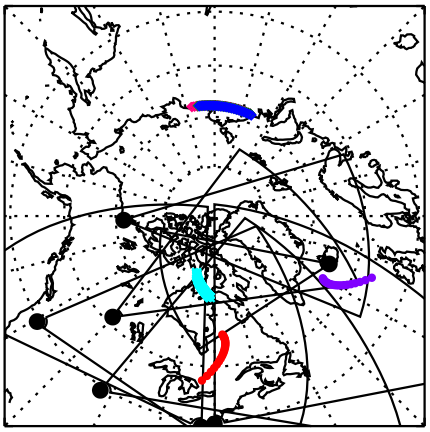
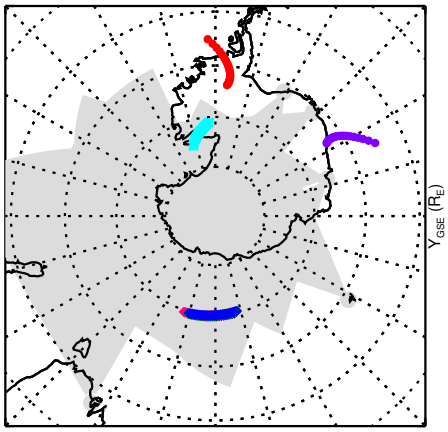
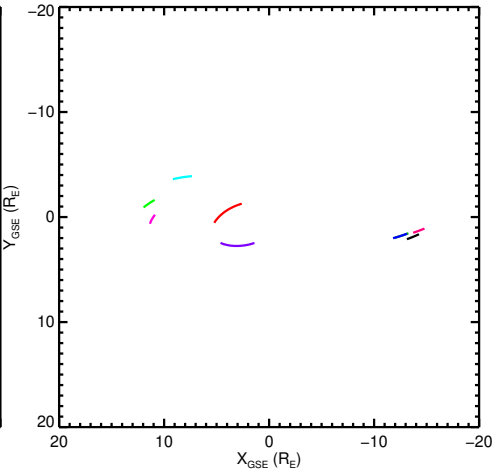




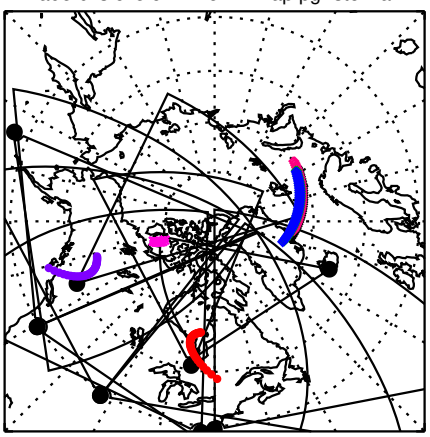
(d) 1455UT to 1645UT
bks cve fhe inv sas sto wal



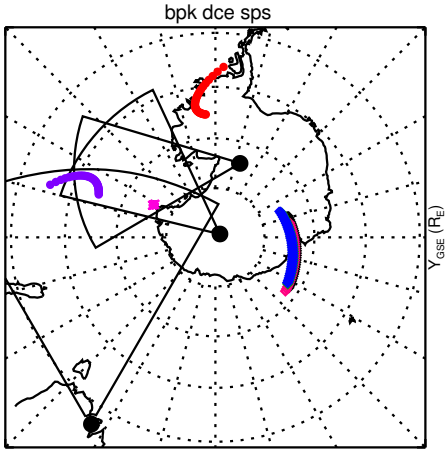


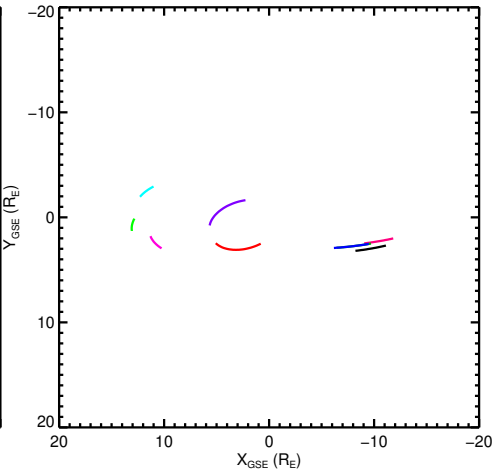


(e) 1855UT to 2145UT
ade bks cve cvw fhe fhw kap pgr sto wal

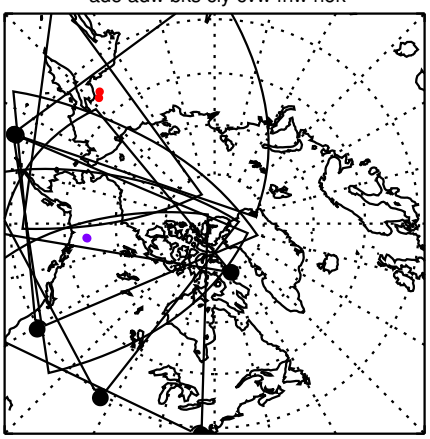
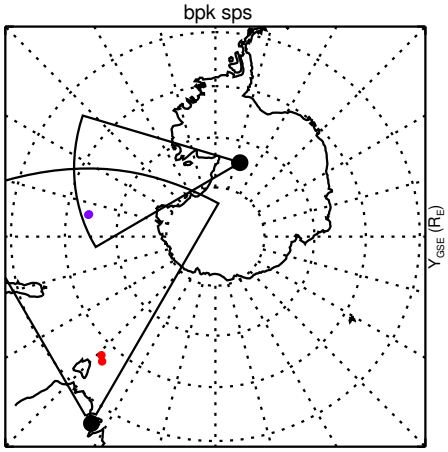
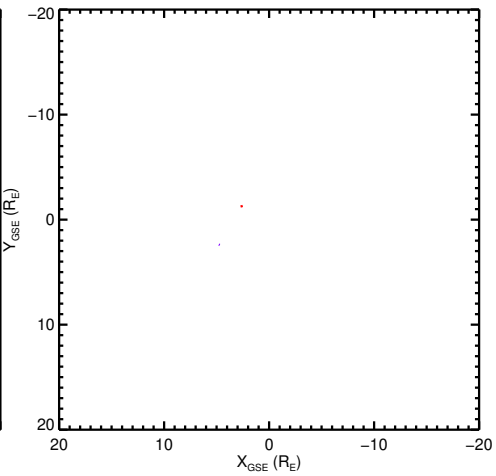


bpk dce sps





(f) 2350UT to 2355UT
ade adw bks cly cvw fhw hok



bpk sps