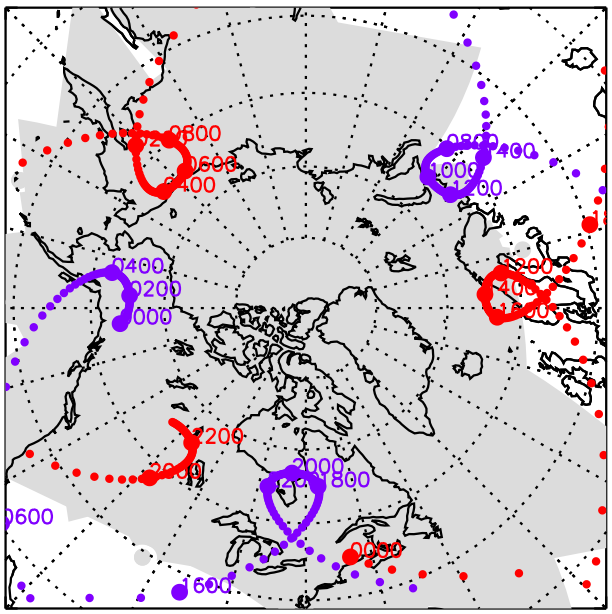
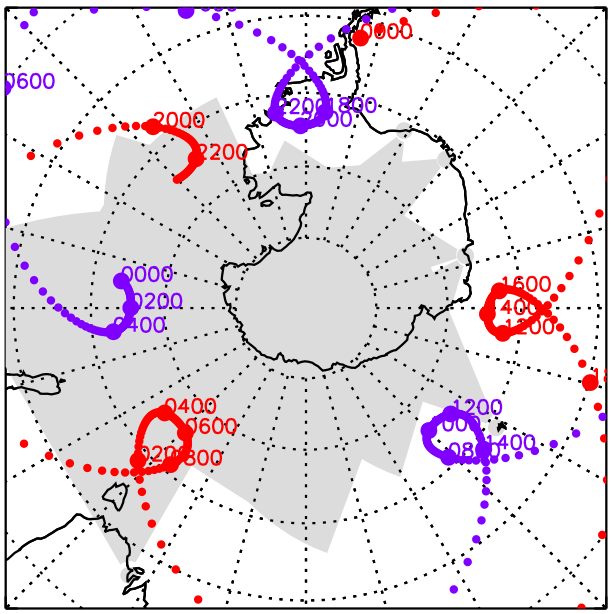
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

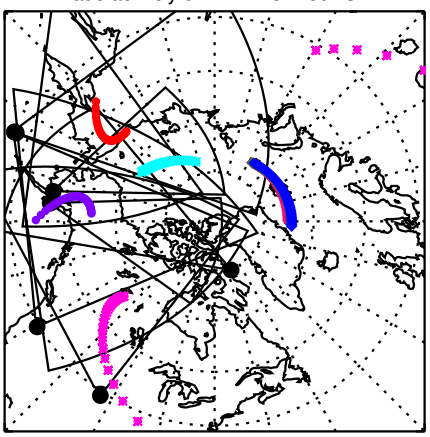
01–Jul–2017

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

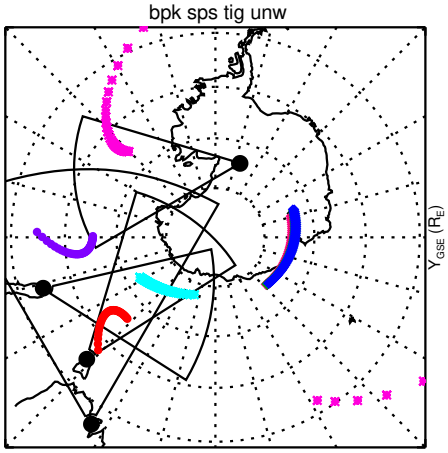


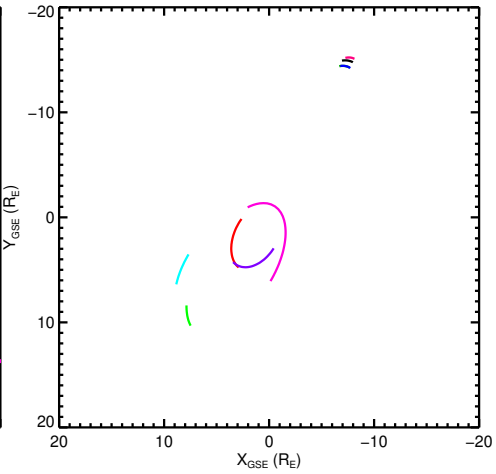


(a) 0155UT to 0520UT
ade adw cly cvw fhw hok kod ksr

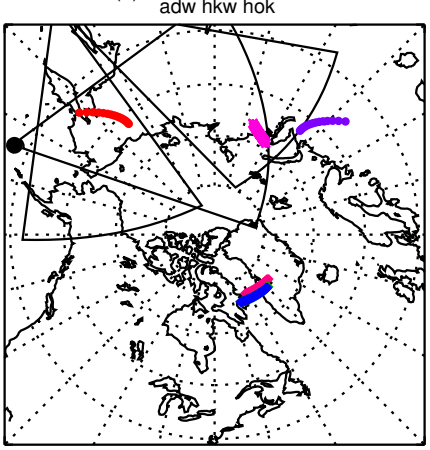


bpk sps tig unw

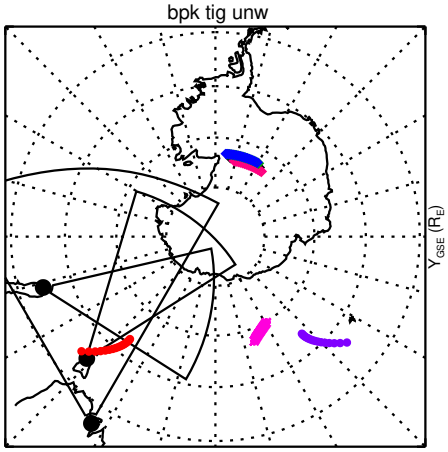


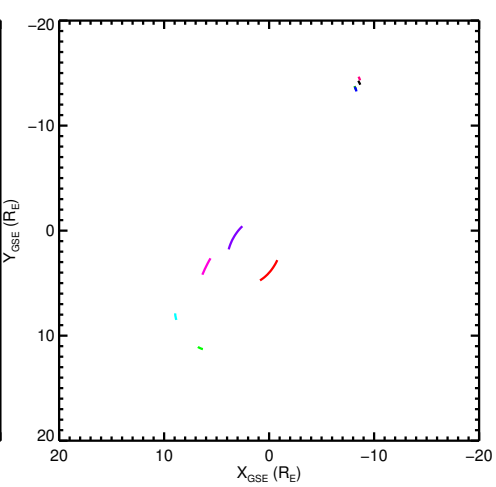


(b) 0725UT to 0845UT
adw hkw hok

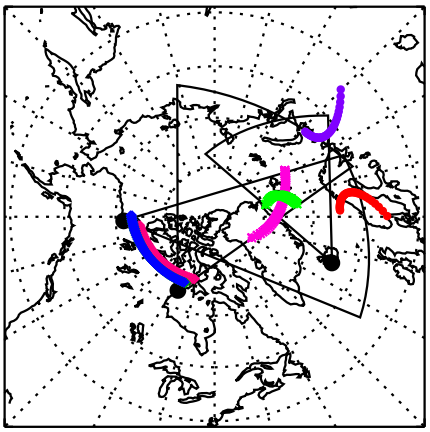


bpk tig unw

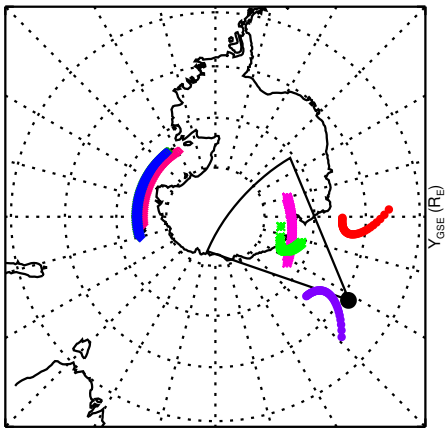


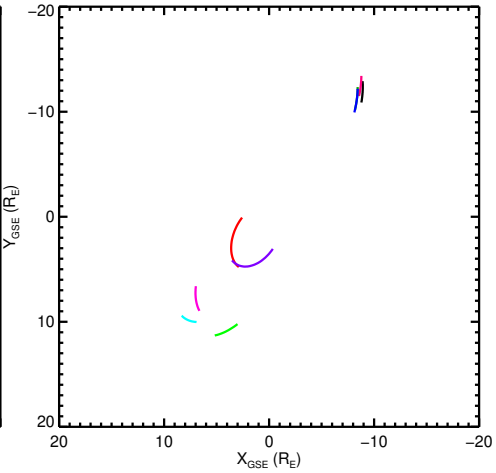


(c) 1050UT to 1420UT
inv pyk rkn

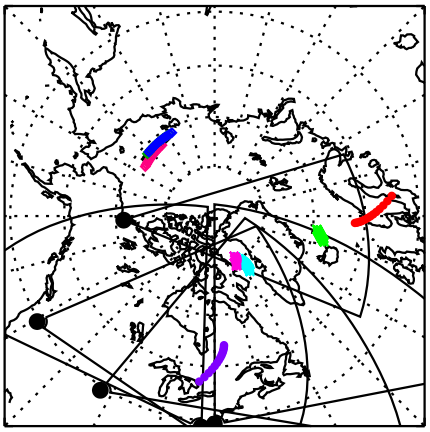


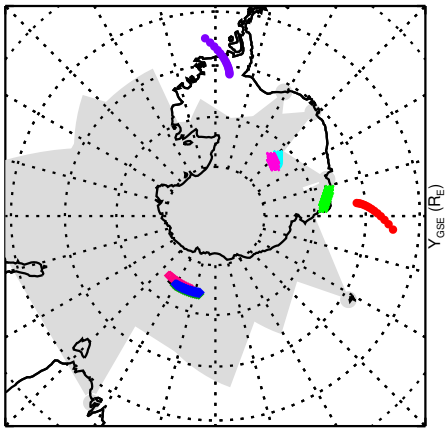
ker

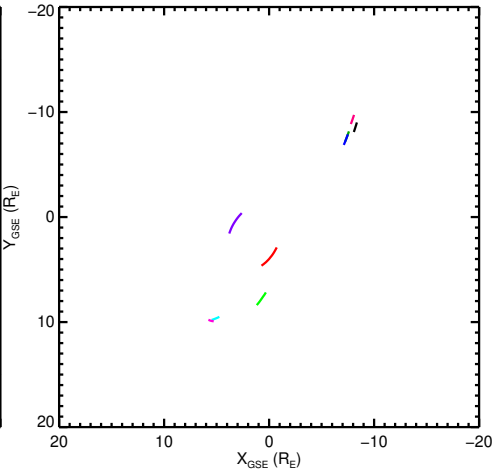




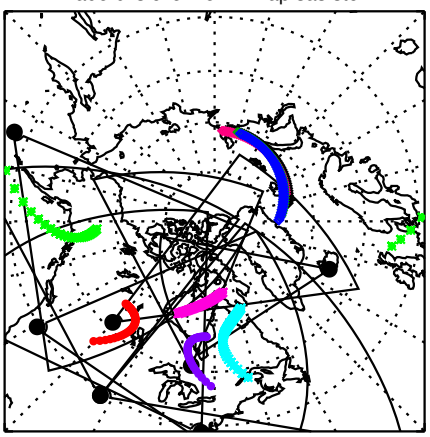
(d) 1630UT to 1740UT
bks cve fhe inv wal



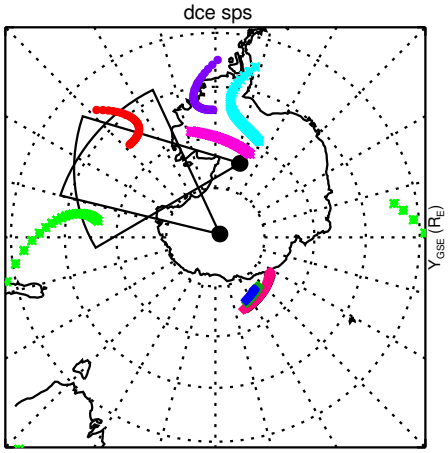


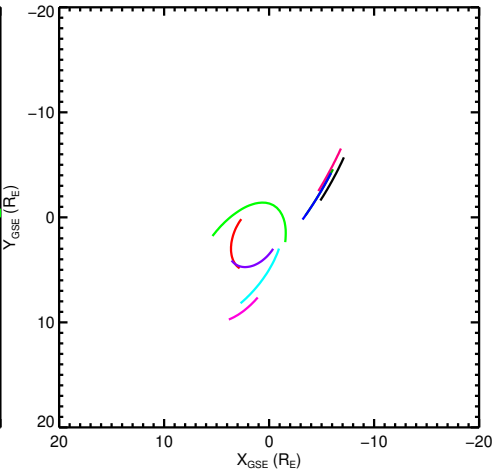


(e) 1950UT to 2325UT
ade bks cve fhe fhw kap sas sto



dce sps

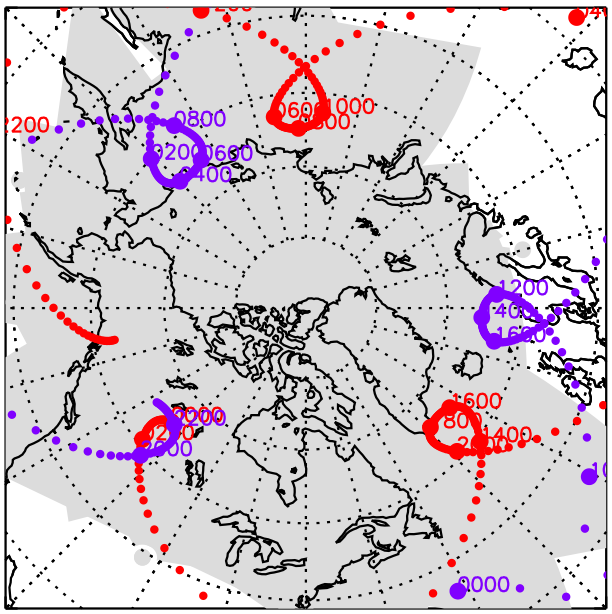


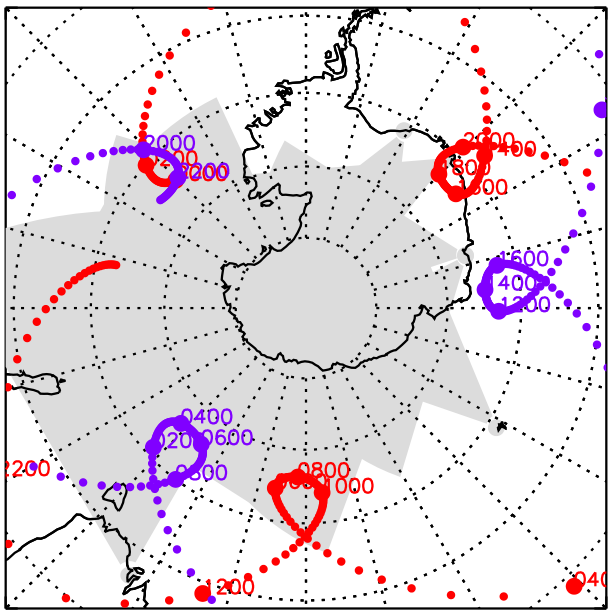


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

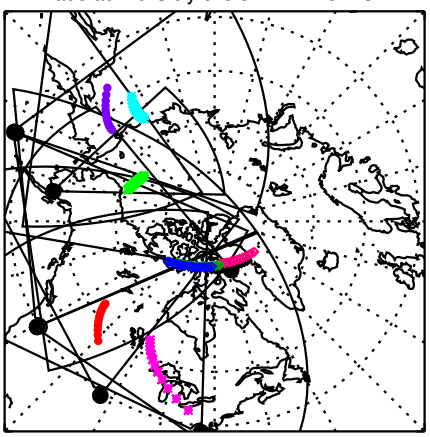
02–Jul–2017

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

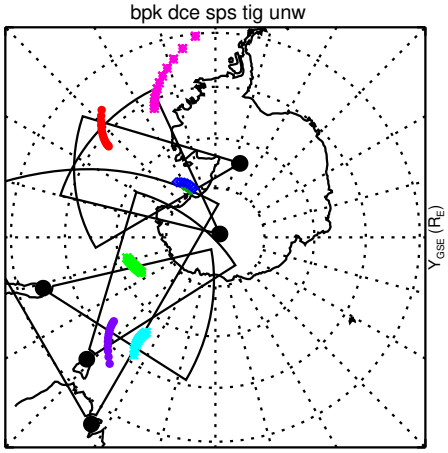


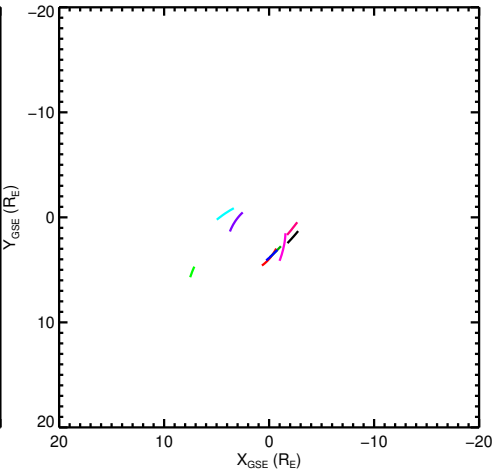


(a) 0130UT to 0235UT
ade adw bks cly cve cvw fhw hok ksr

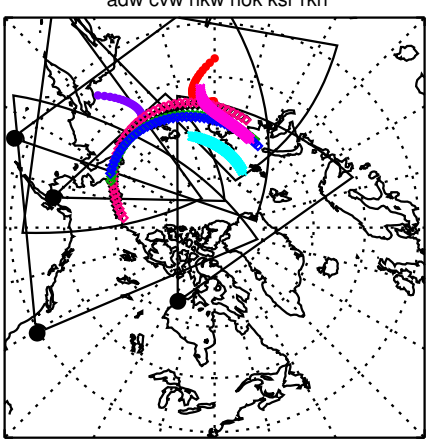


bpk dce sps tig unw

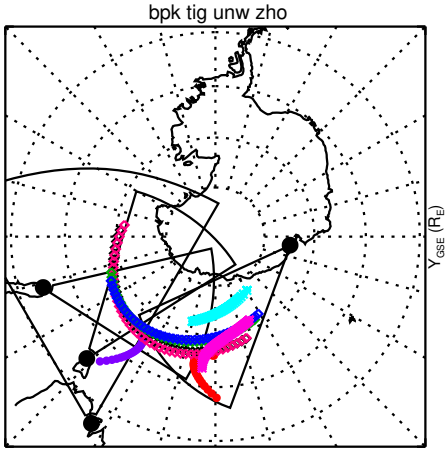


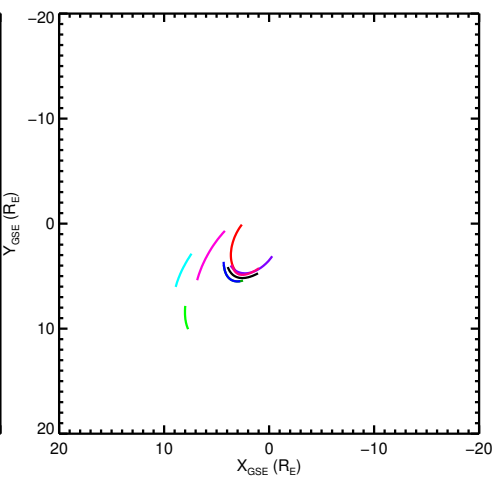


(b) 0445UT to 0825UT
adw cvw hkw hok ksr rkn

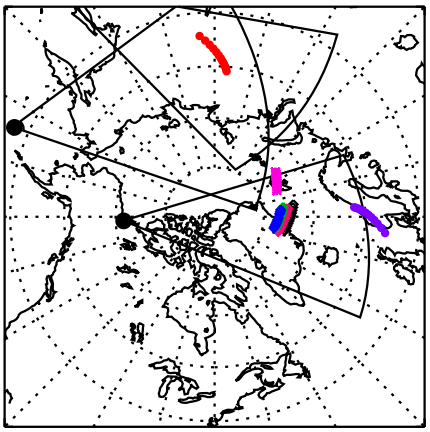


bpk tig unw zho

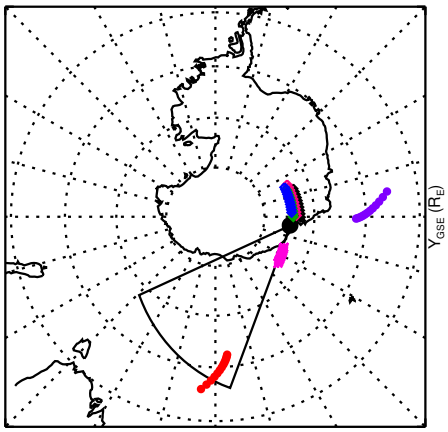


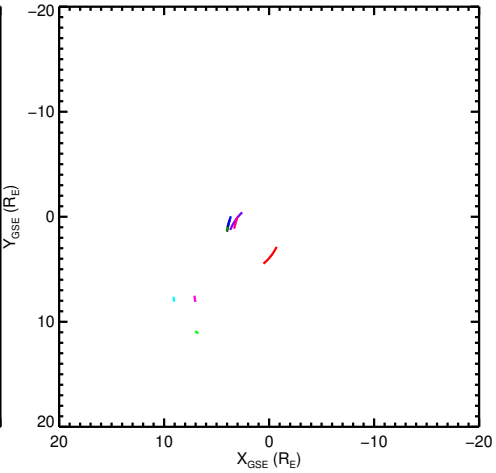


(c) 1035UT to 1135UT
adw hkw inv

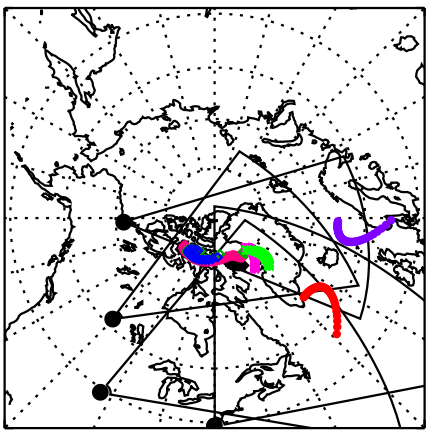


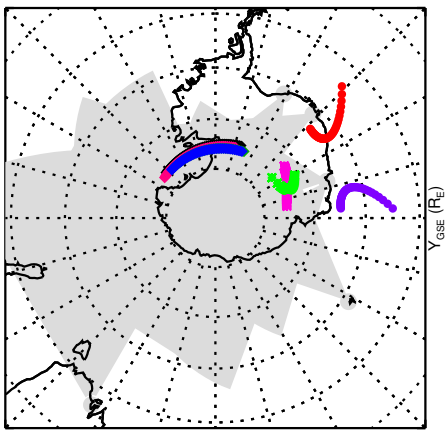
zho

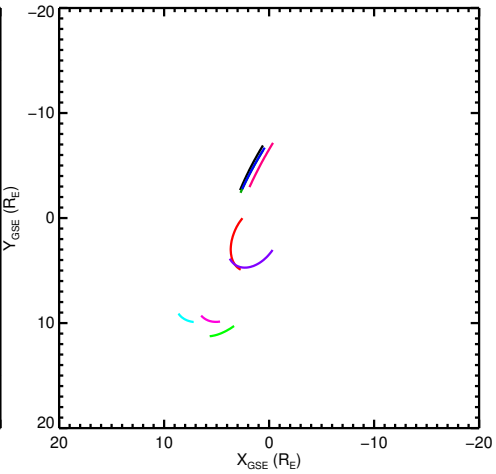




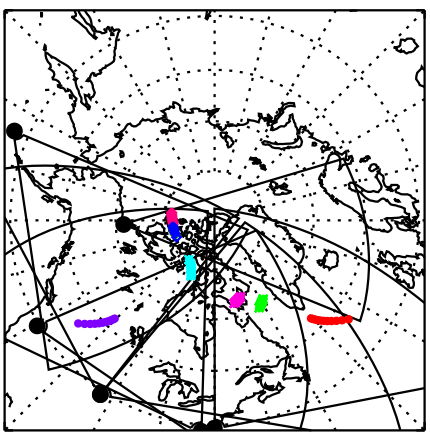
(d) 1340UT to 1730UT
fhe inv sas wal



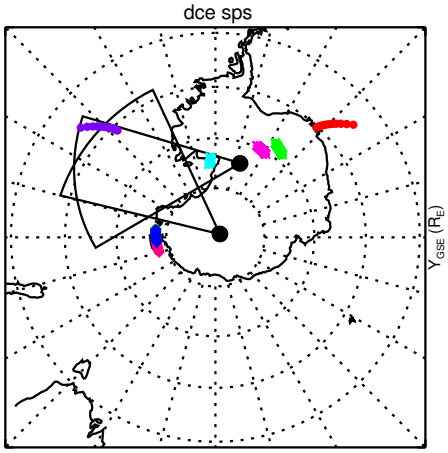


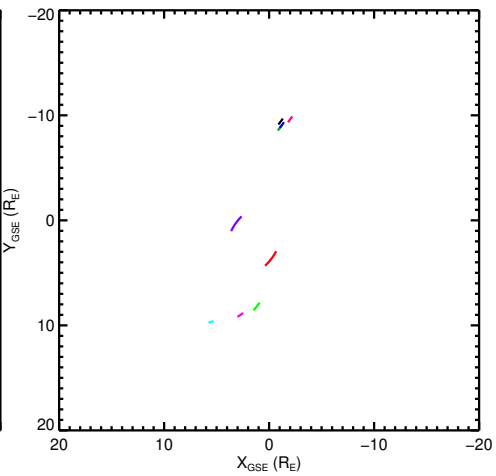


(e) 1940UT to 2030UT
ade bks cve fhe fhw inv wal

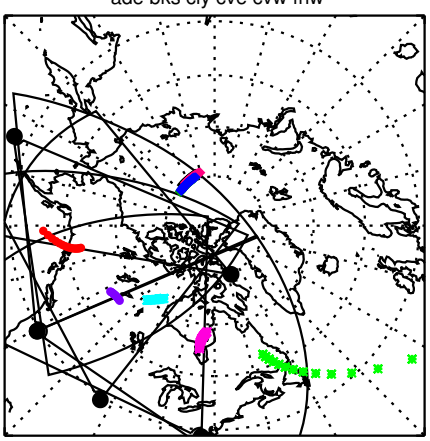


dce sps

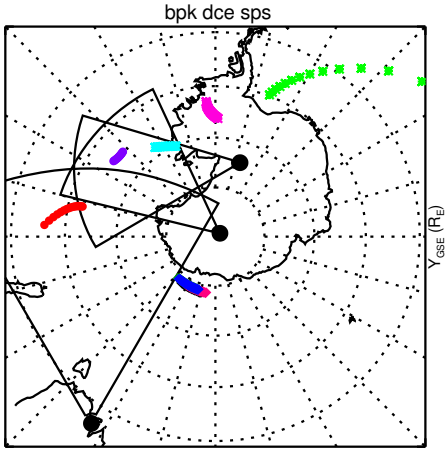


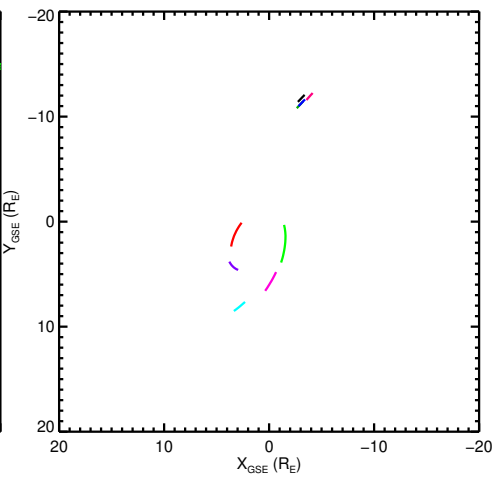


(f) 2240UT to 2355UT
ade bks cly cve cvw fhw



bpk dce sps

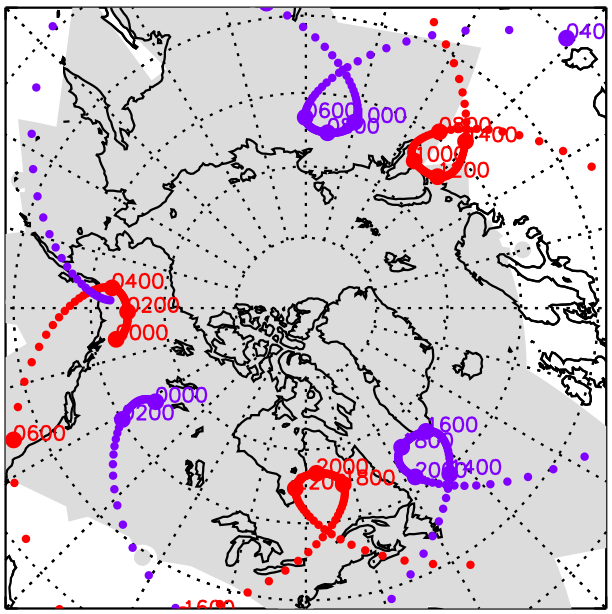


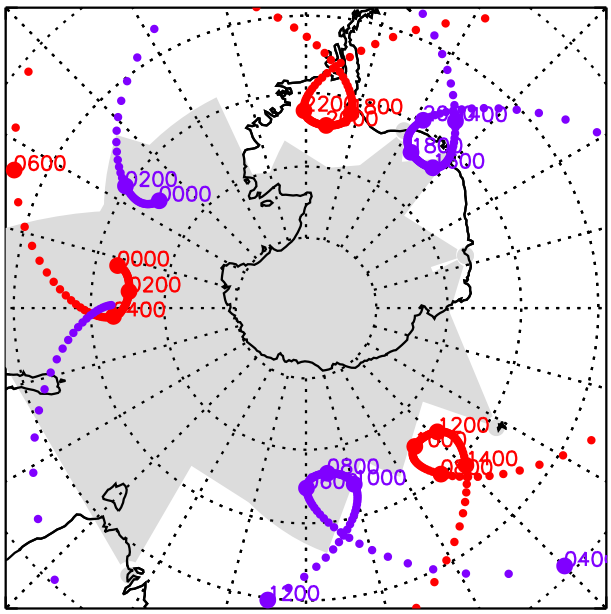


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

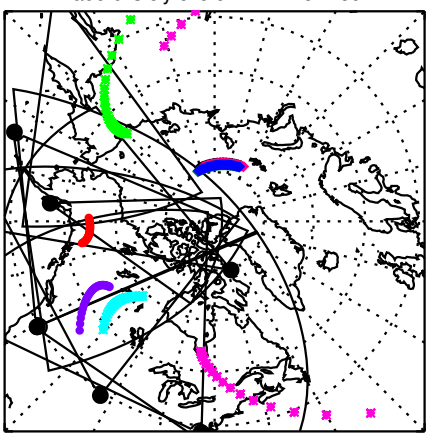
03–Jul–2017

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

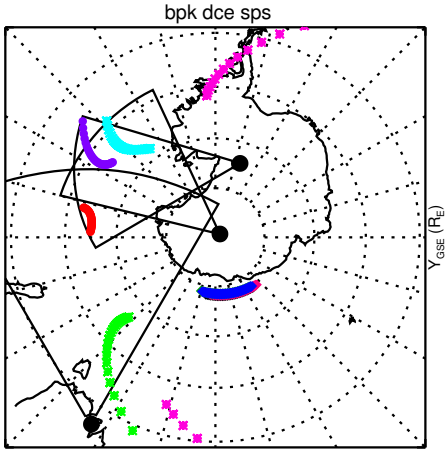


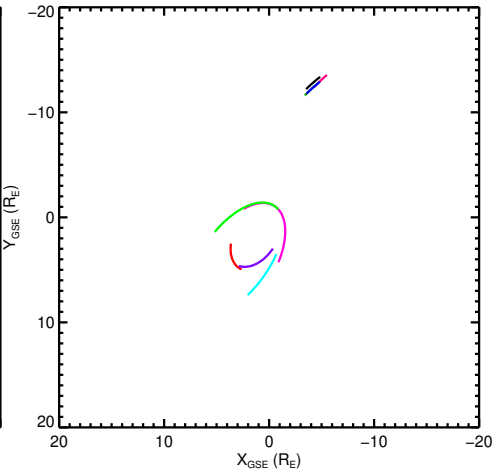


(a) 0000UT to 0235UT
ade bks cly cve cvw fhw hok kod

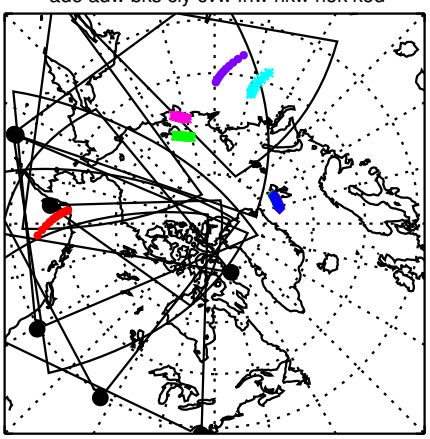


bpk dce sps

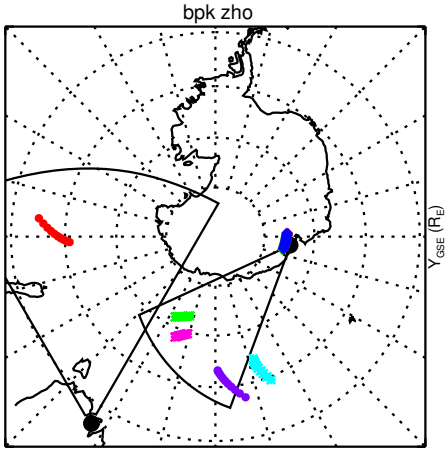


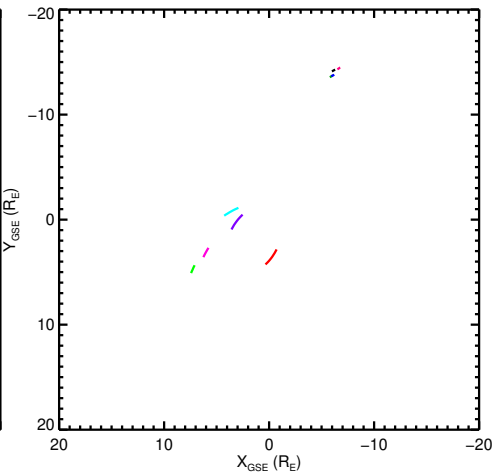


(b) 0440UT to 0530UT
ade adw bks cly cvw fhw hkw hok kod

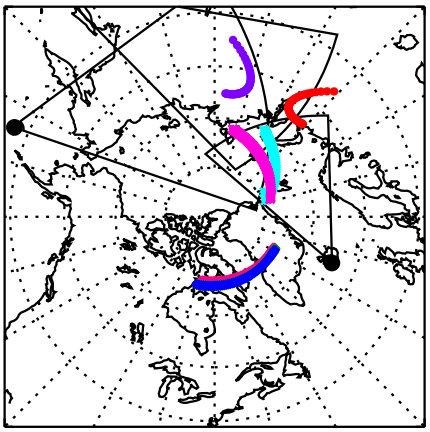


bpk zho

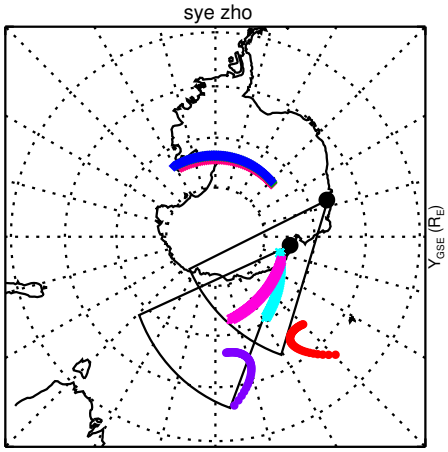


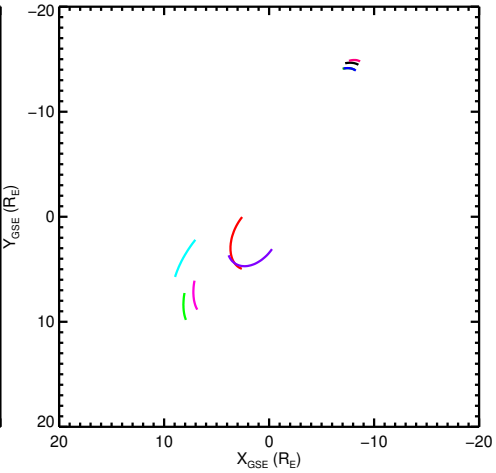


(c) 0735UT to 1135UT
adw hkw pyk

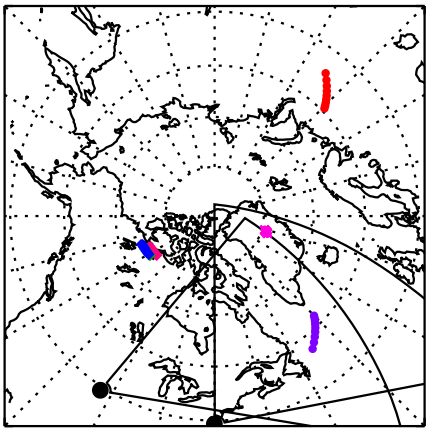


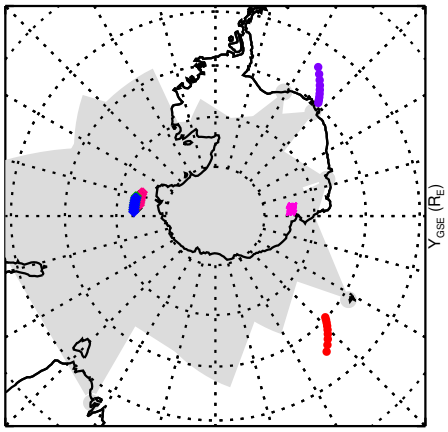
sye zho

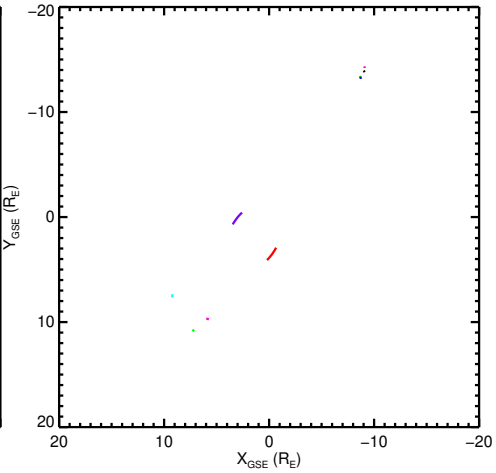




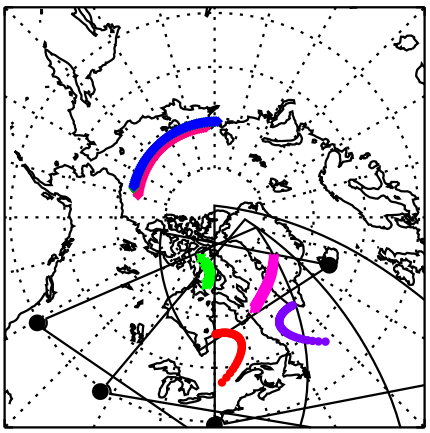
(d) 1345UT to 1425UT
fhe wal







(e) 1635UT to 2040UT
cve fhe sto wal



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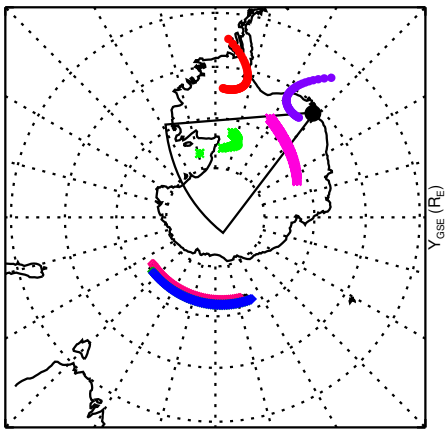
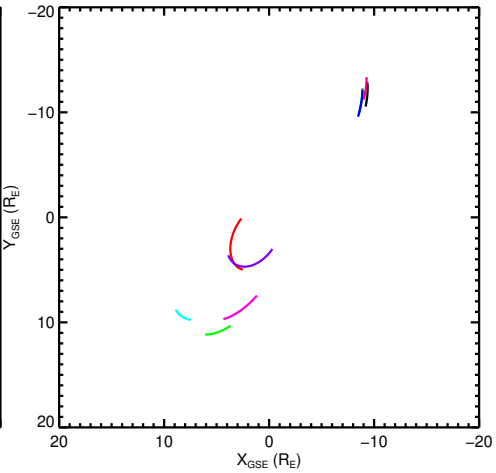
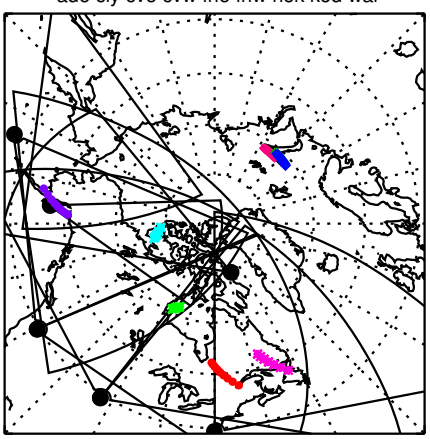
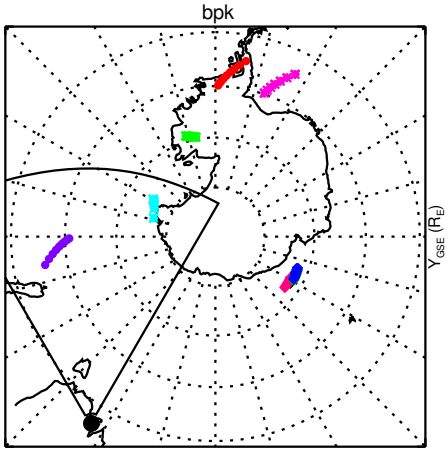


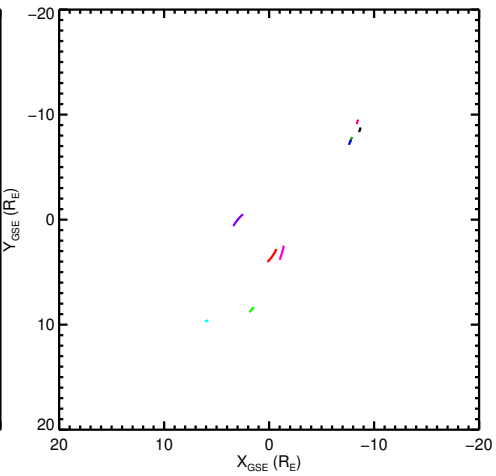


(f) 2245UT to 2325UT
ade cly cve cvw fhe fhw hok kod wal



bpk

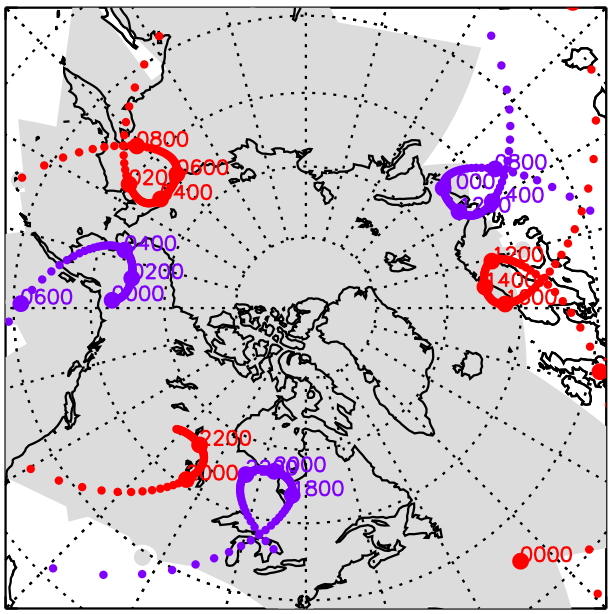


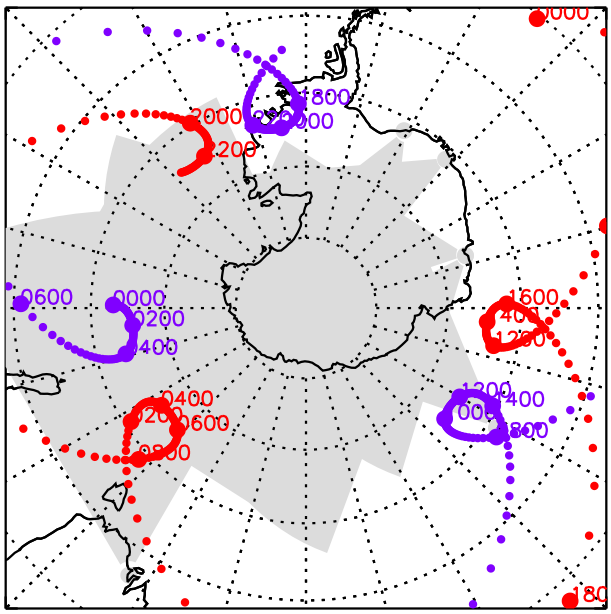


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

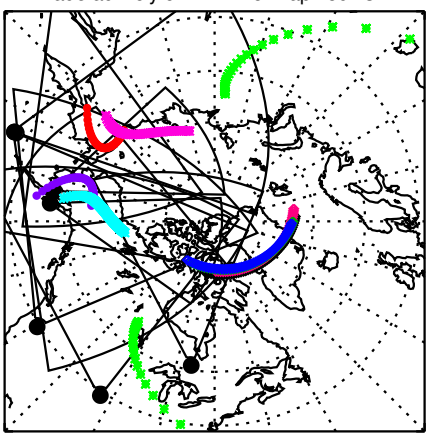
04–Jul–2017

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

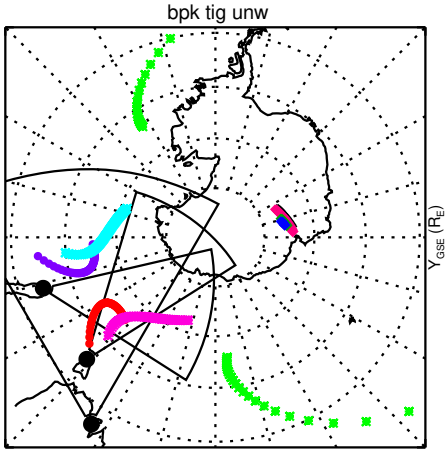


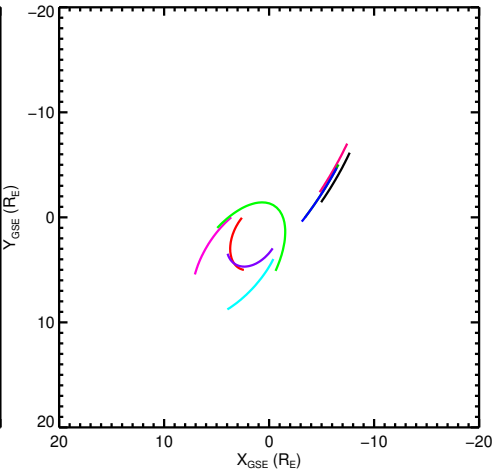


(a) 0130UT to 0545UT
ade adw cly cvw fhw hok kap kod ksr

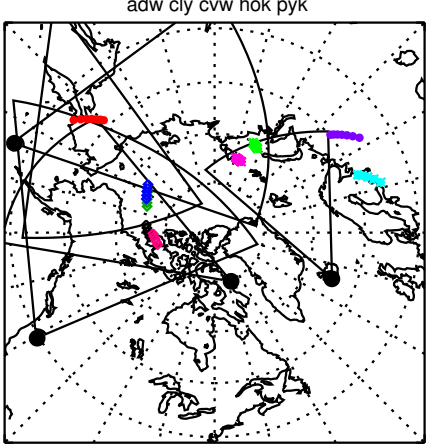


bpk tig unw

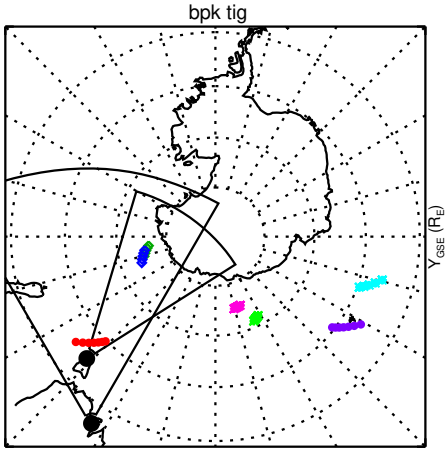


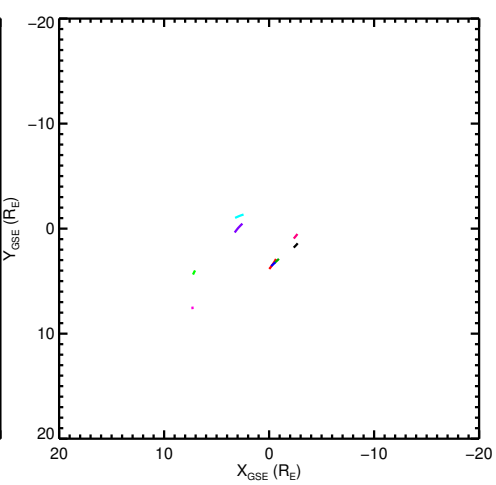


(b) 0750UT to 0820UT
adw cly cvw hok pyk



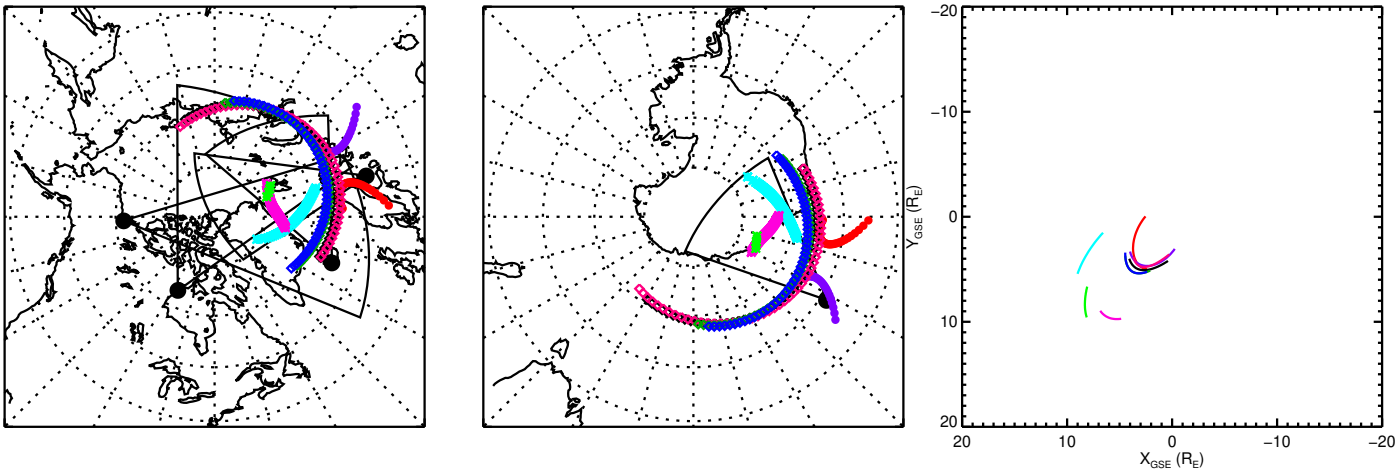
bpk tig



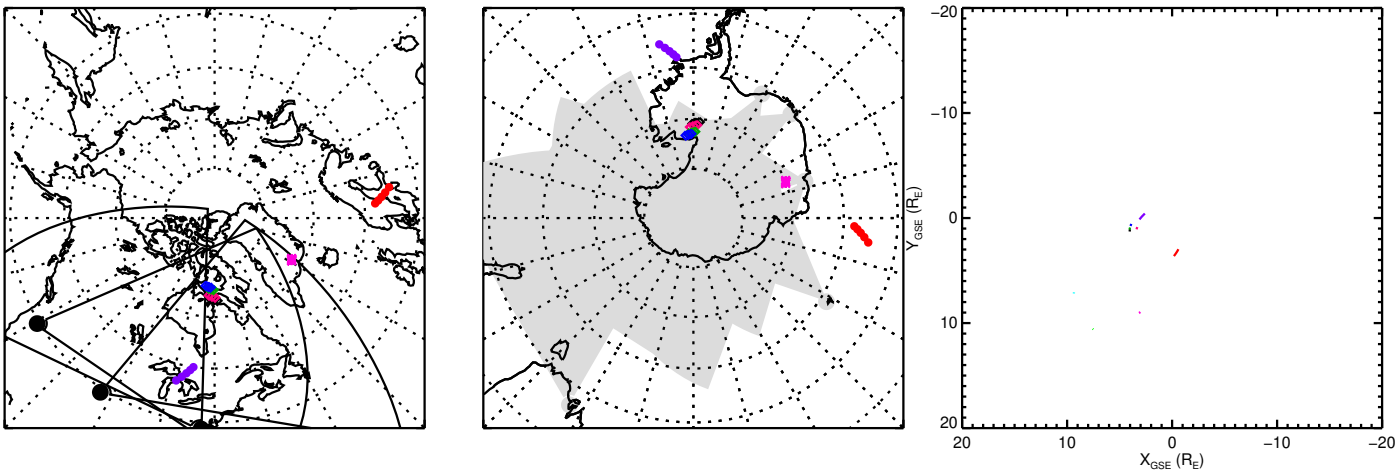


(c) 1025UT to 1445UT
han inv pyk rkn

ker

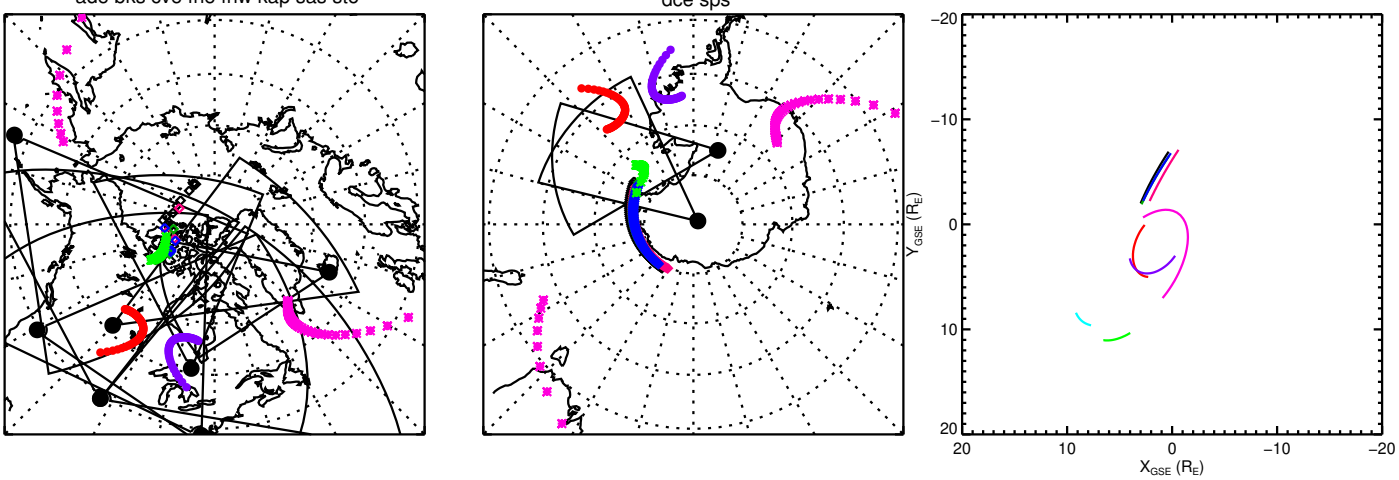


(d) 1655UT to 1715UT
bks cve fhe



(e) 1925UT to 2350UT
ade bks cve fhe fhw kap sas sto

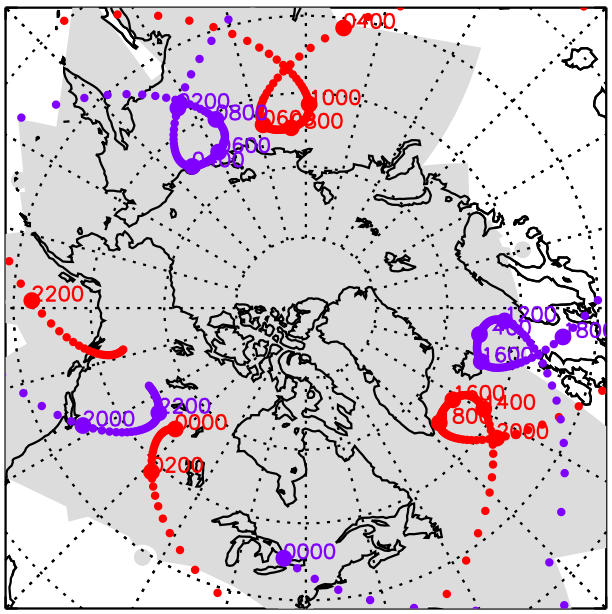
dce sps

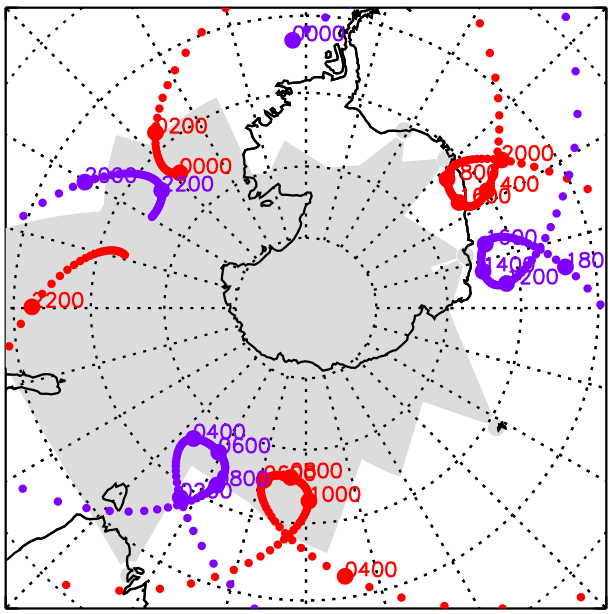


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

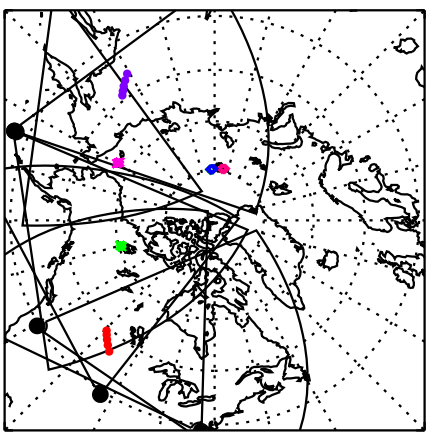
05–Jul–2017

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

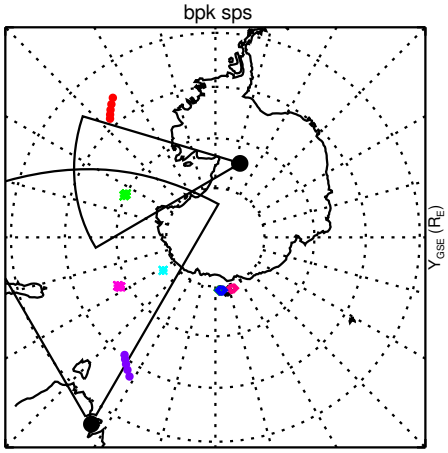


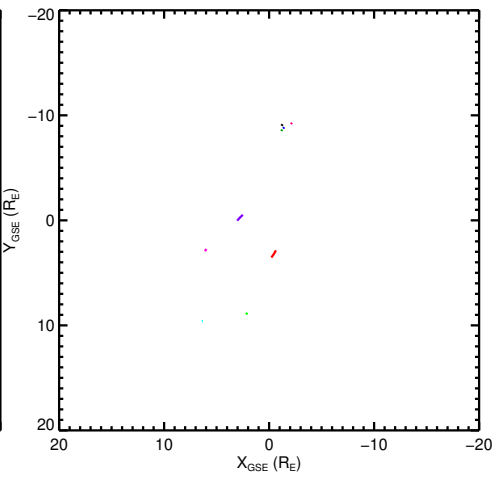


(a) 0155UT to 0215UT
ade adw bks cve fhw hok

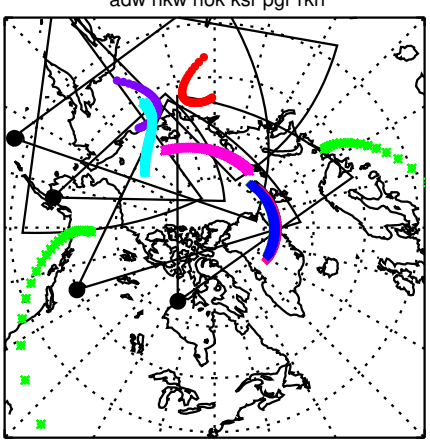


bpk sps

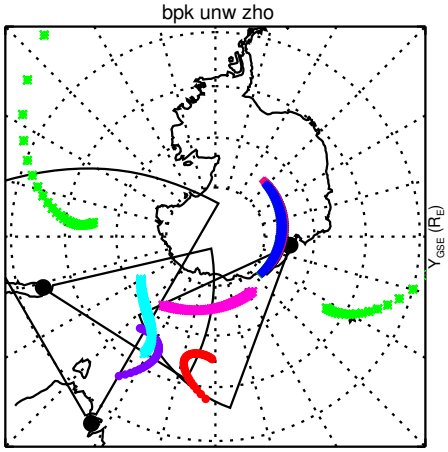


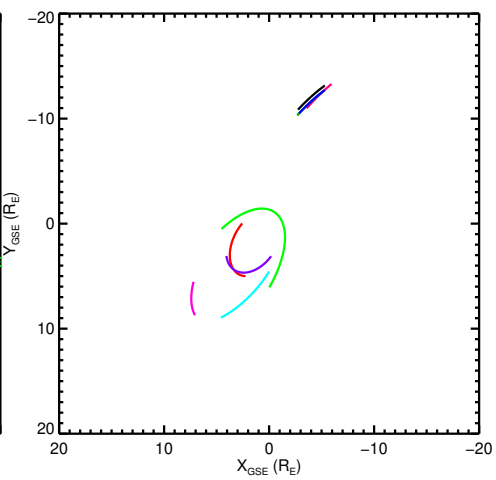


(b) 0420UT to 0850UT
adw hkw hok ksr pgr rkn

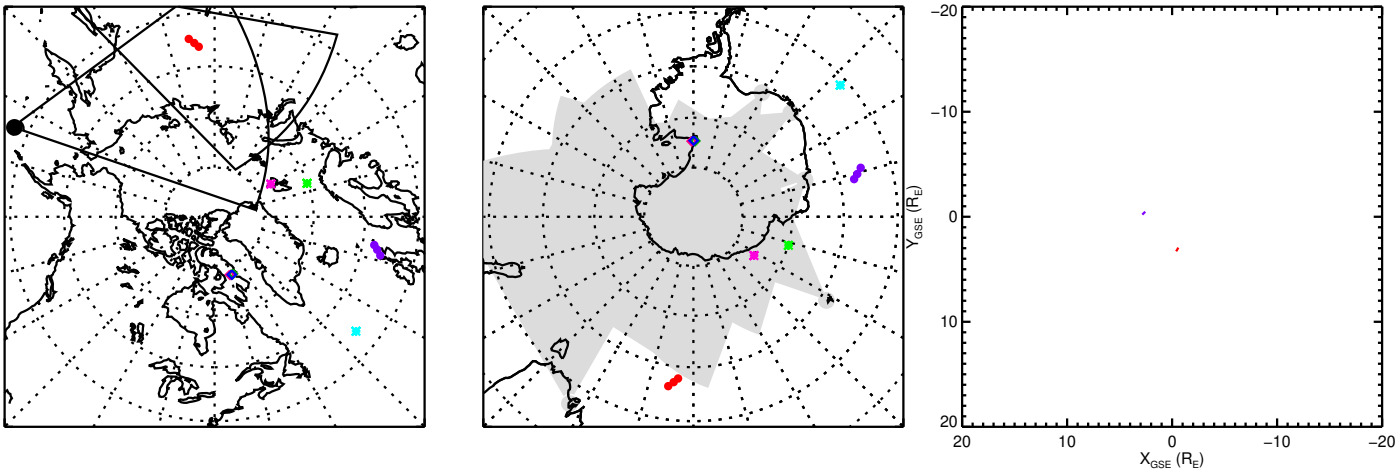


bpk unw zho

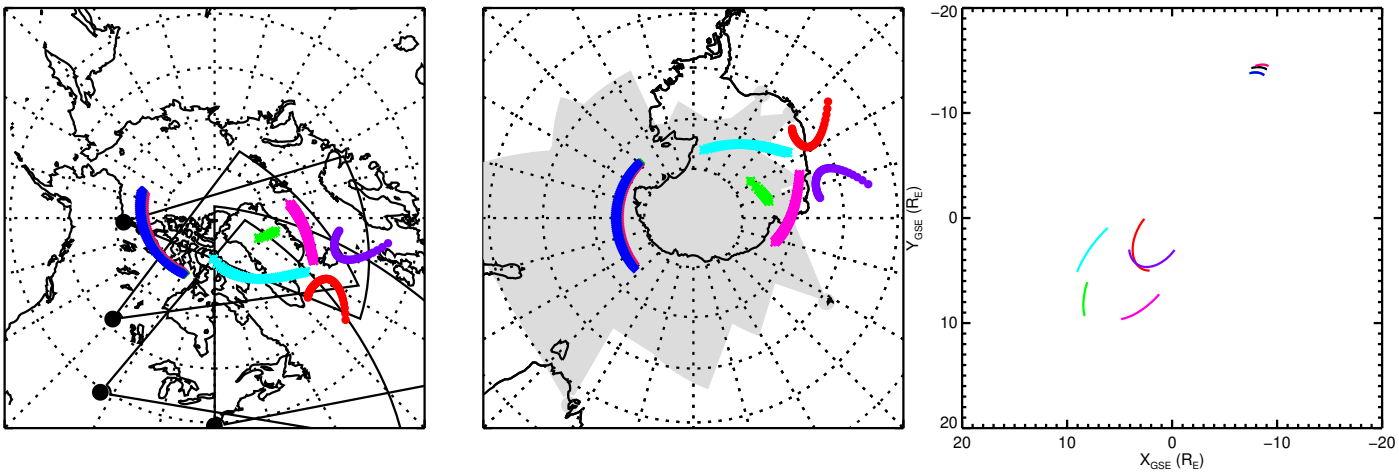




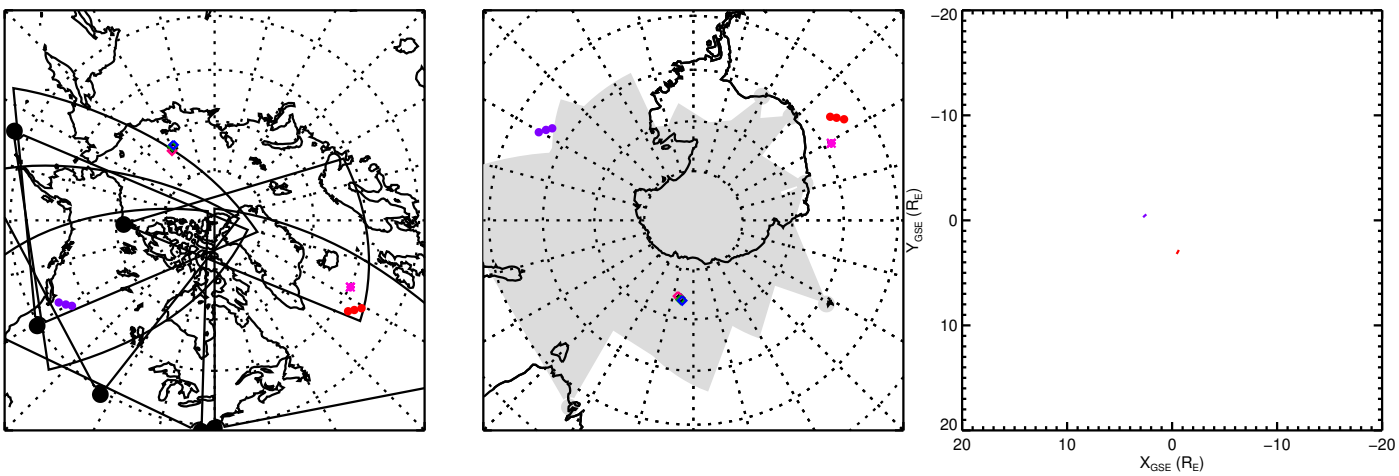
(c) 1100UT to 1110UT
adw hkw



(d) 1320UT to 1755UT
fhe inv sas wal

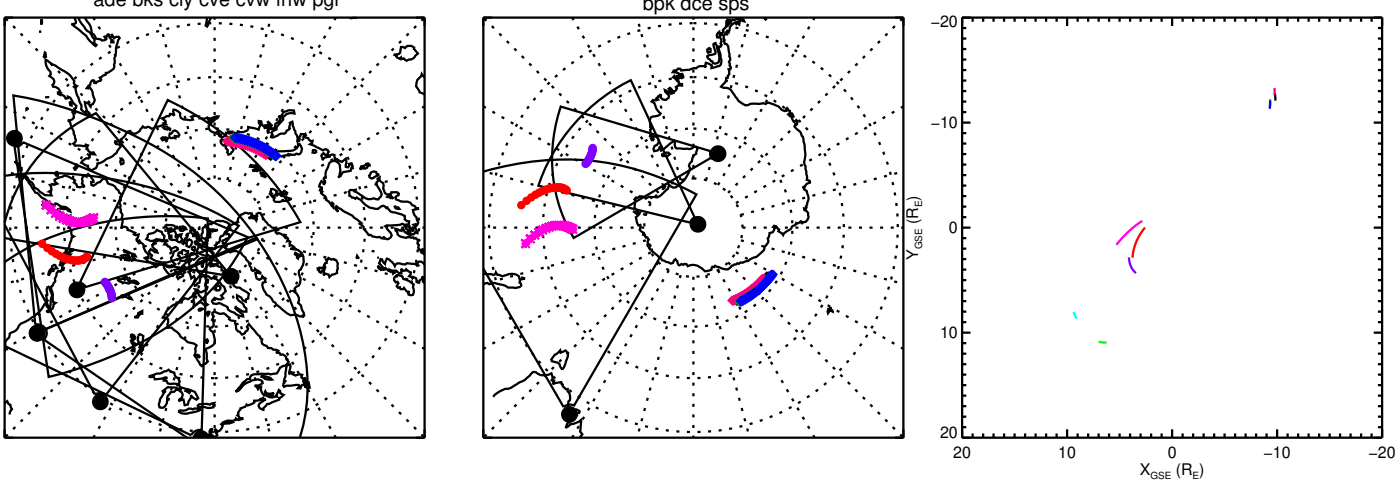


(e) 2000UT to 2010UT
ade bks cvw fhw inv wal



(f) 2215UT to 2355UT
ade bks cly cve cvw fhw pgr

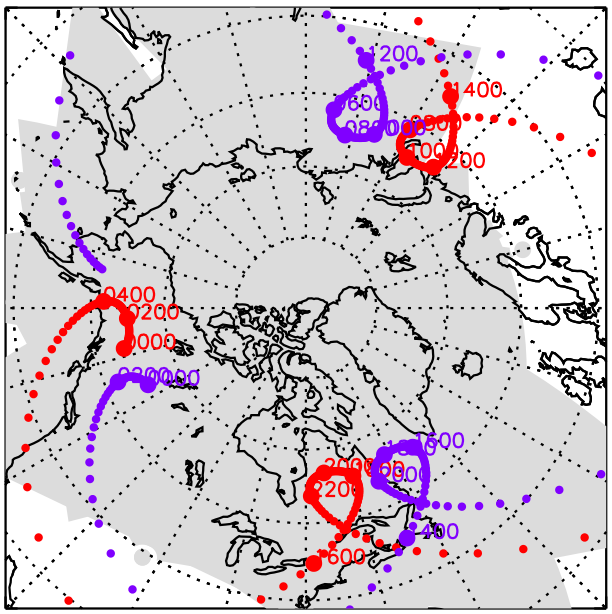
bpk dce sps

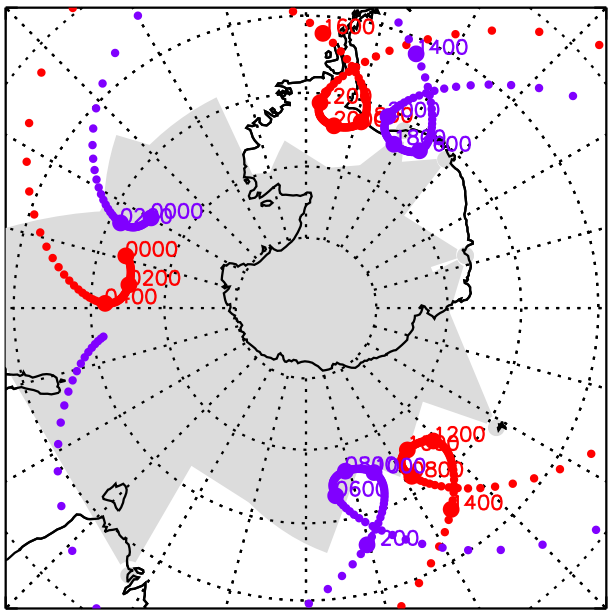


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

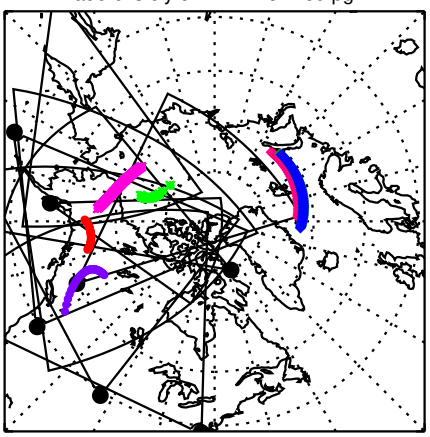
06–Jul–2017

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

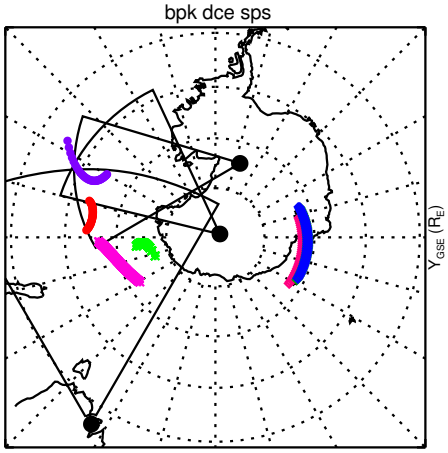


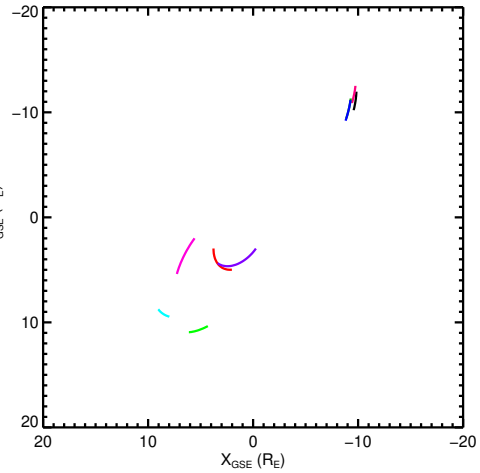


(a) 0000UT to 0300UT
ade bks cly cvw fhw hok kod pgr

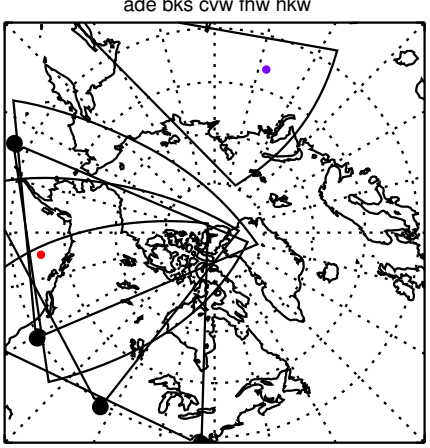


bpk dce sps

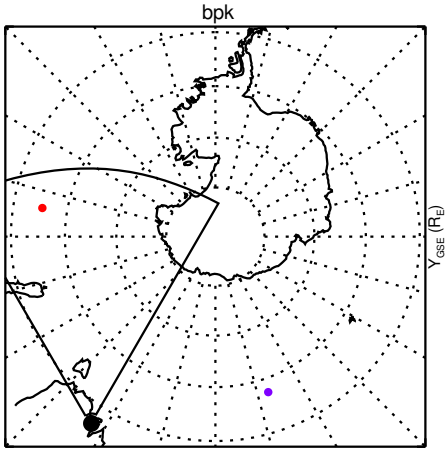


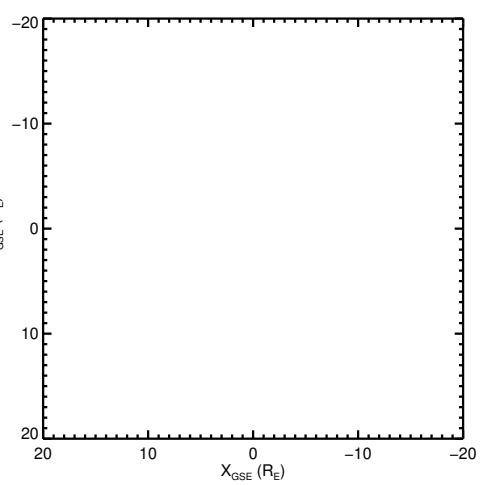


(b) 0505UT to 0505UT
ade bks cvw fhw hkw

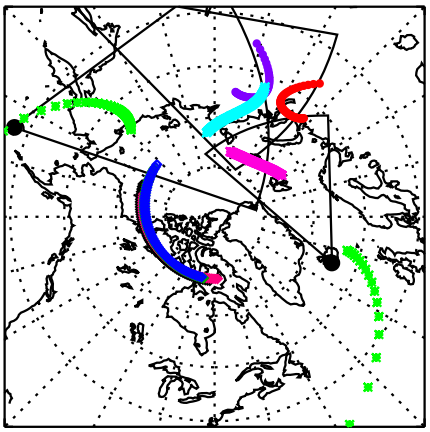


bpk

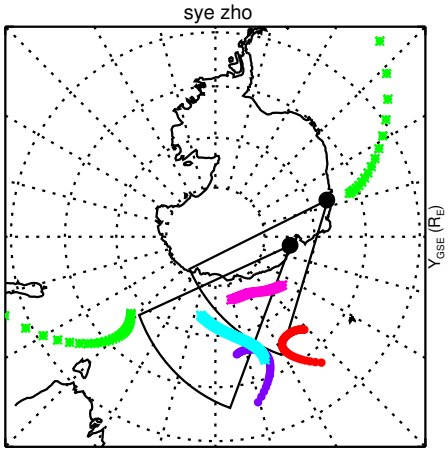


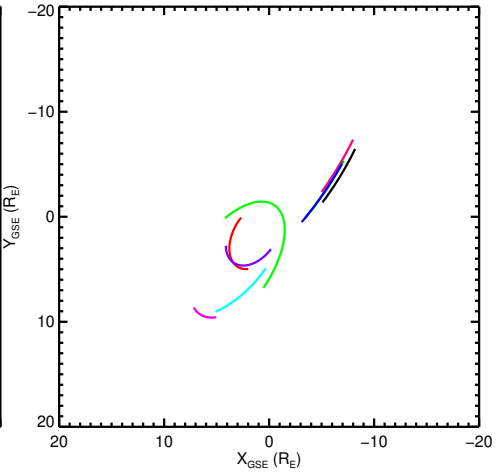


(c) 0715UT to 1200UT
adw hkw pyk

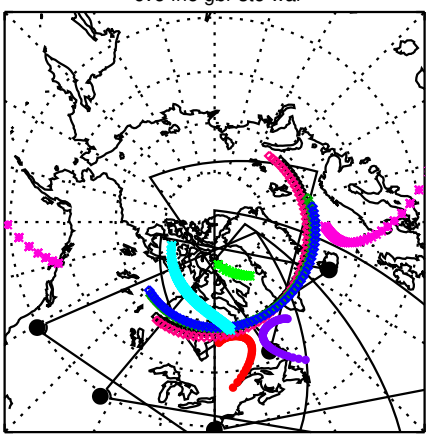


sye zho

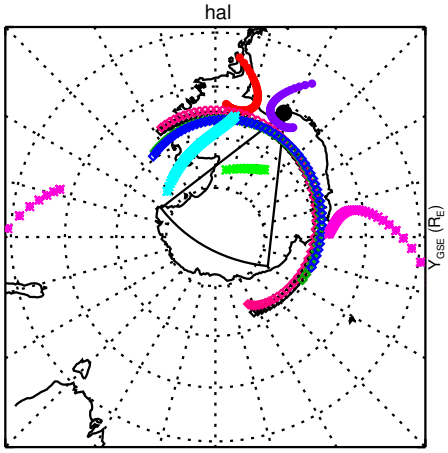


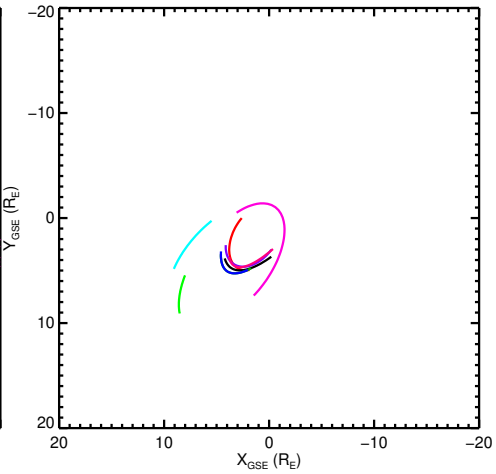


(d) 1610UT to 2105UT
cve fhe gbr sto wal



hal

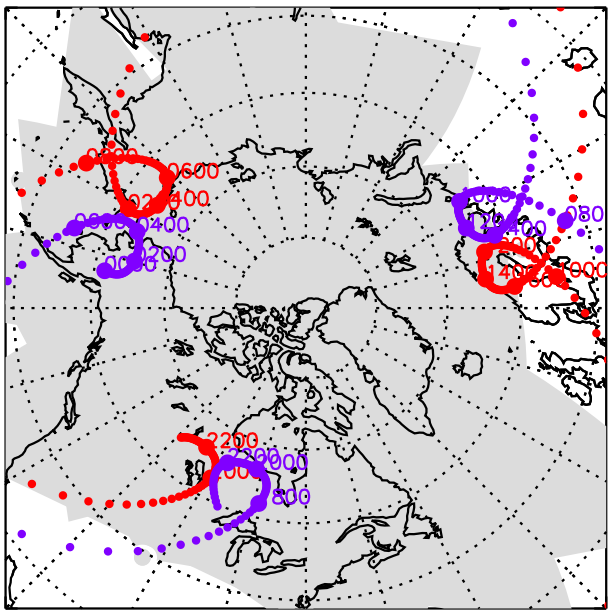


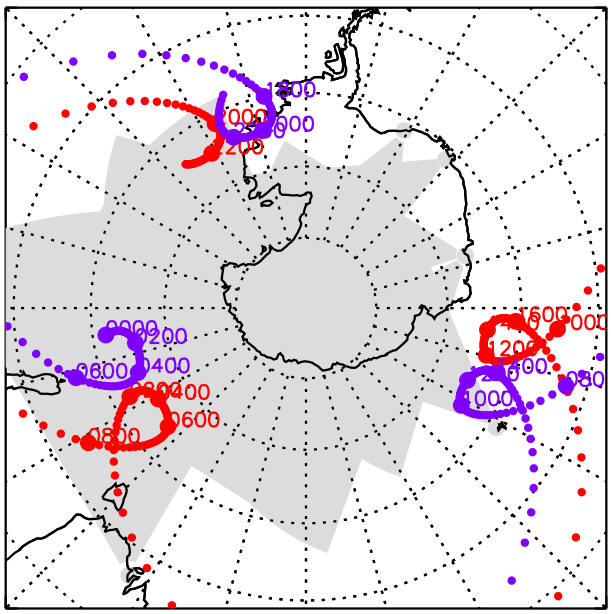


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

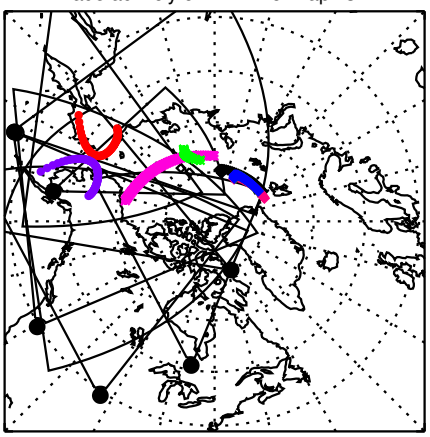
07–Jul–2017

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

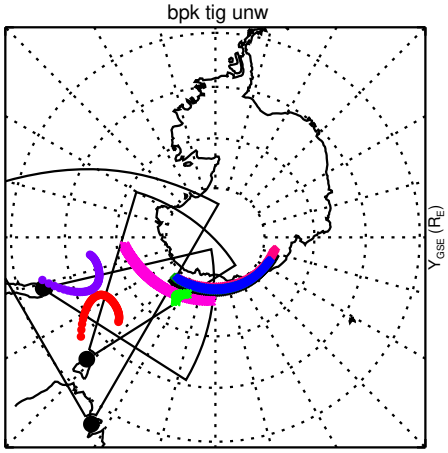


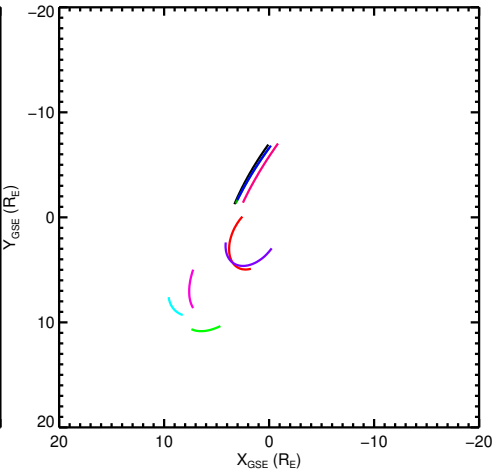


(a) 0105UT to 0610UT
ade adw cly cvw fhw hok kap ksr

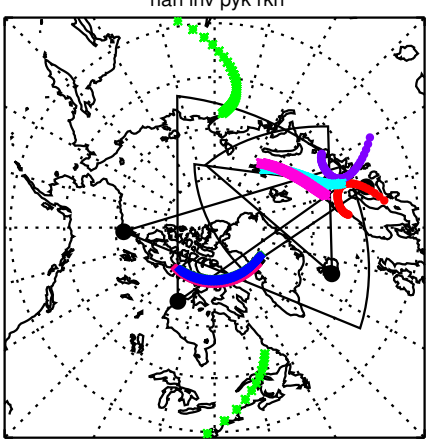


bpk tig unw

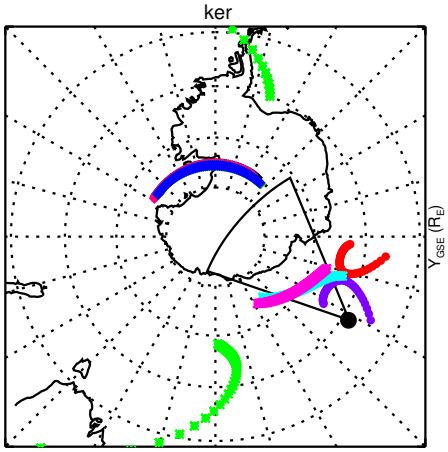


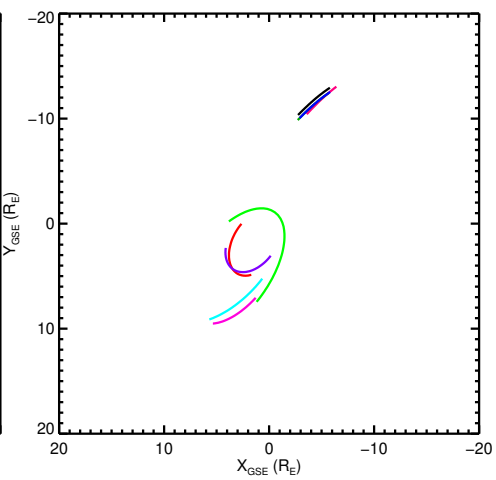


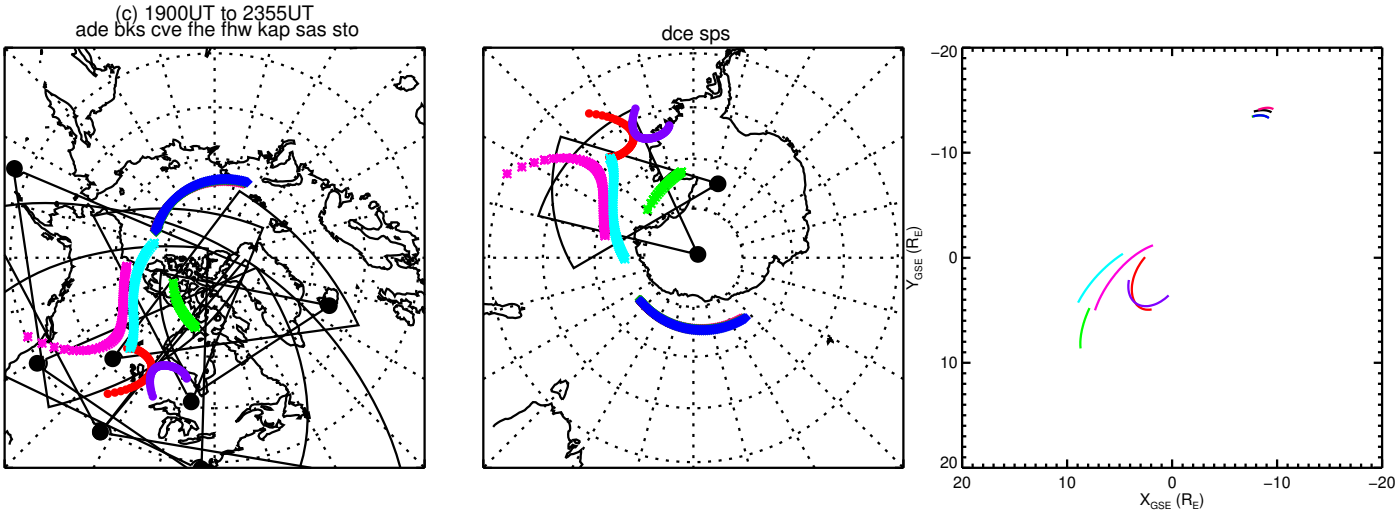
(b) 1005UT to 1510UT
han inv pyk rkn



ker



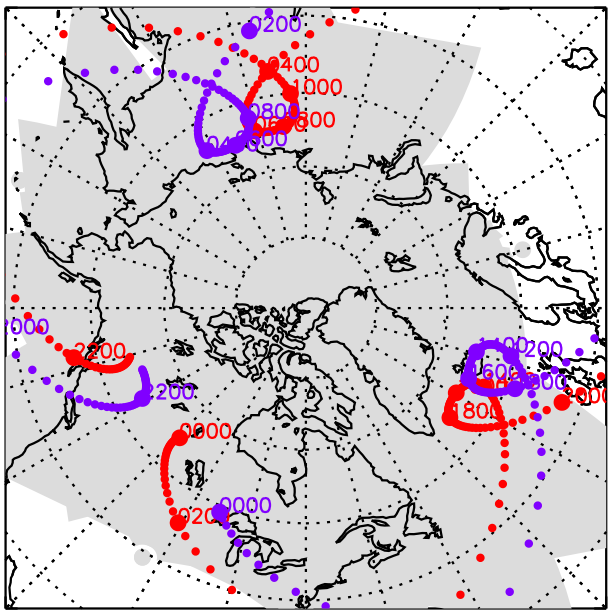


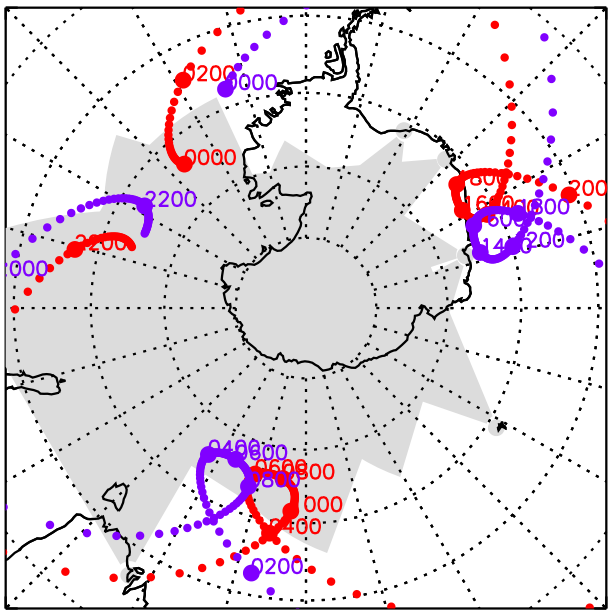

(c) 1900UT to 2355UT
ade bks cve fhe fhw kap sas sto
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

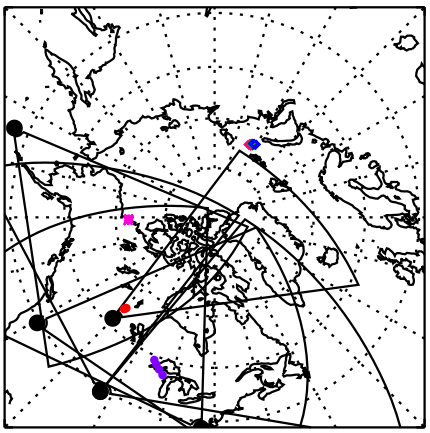
08–Jul–2017

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

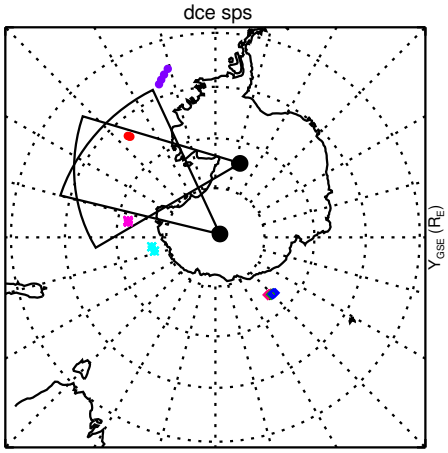


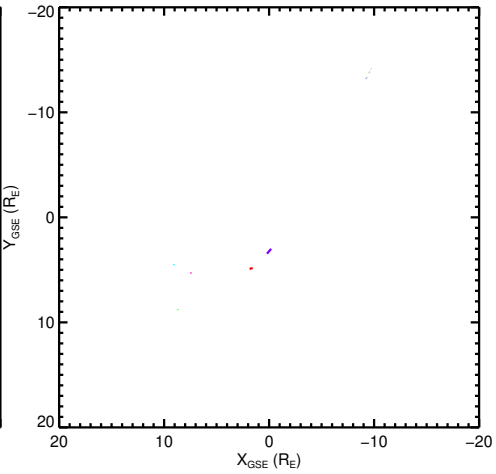


(a) 0000UT to 0015UT
ade bks cve fhe fhw sas

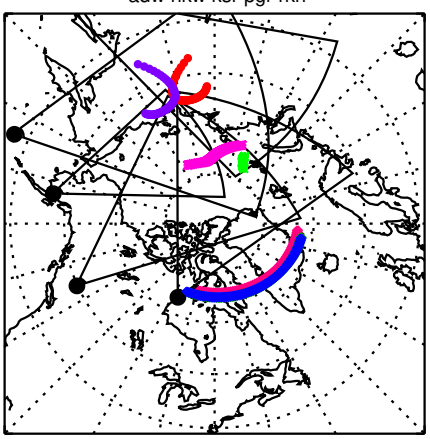


dce sps

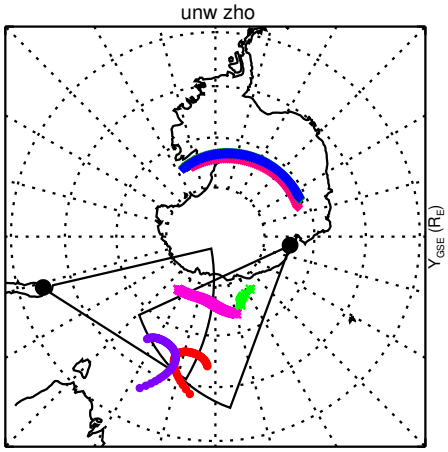


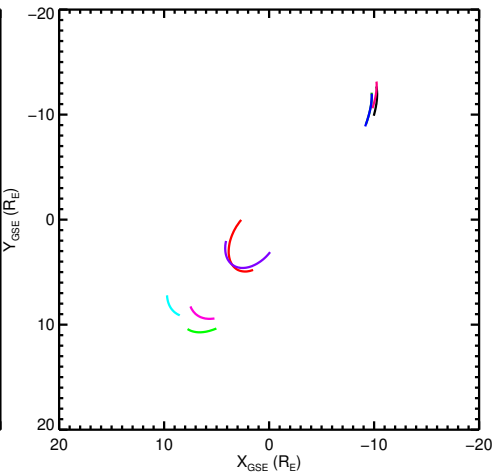


(b) 0400UT to 0915UT
adw hkw ksr pgr rkn

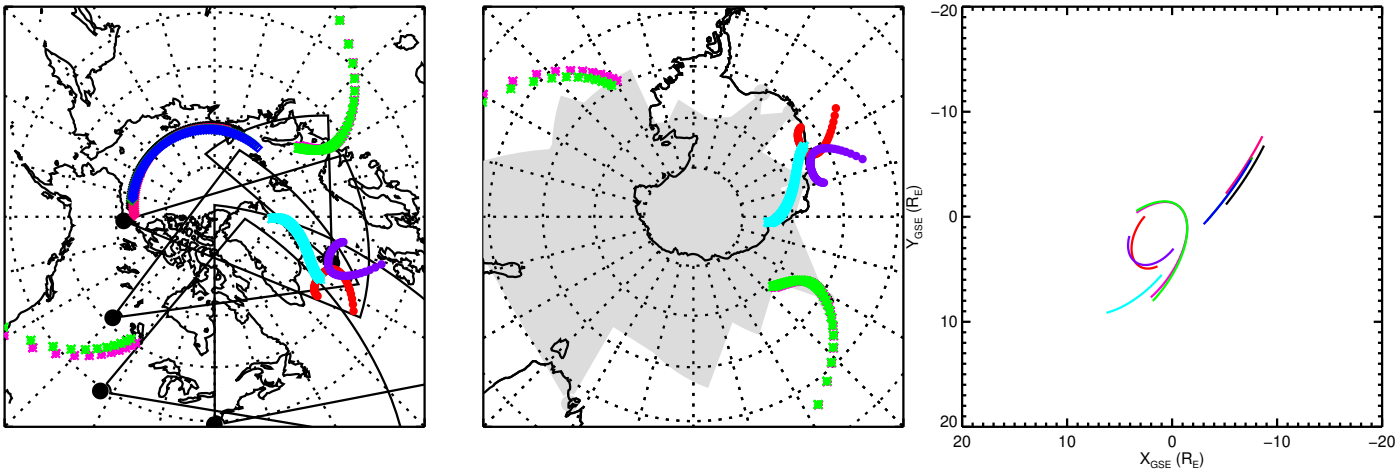


unw zho



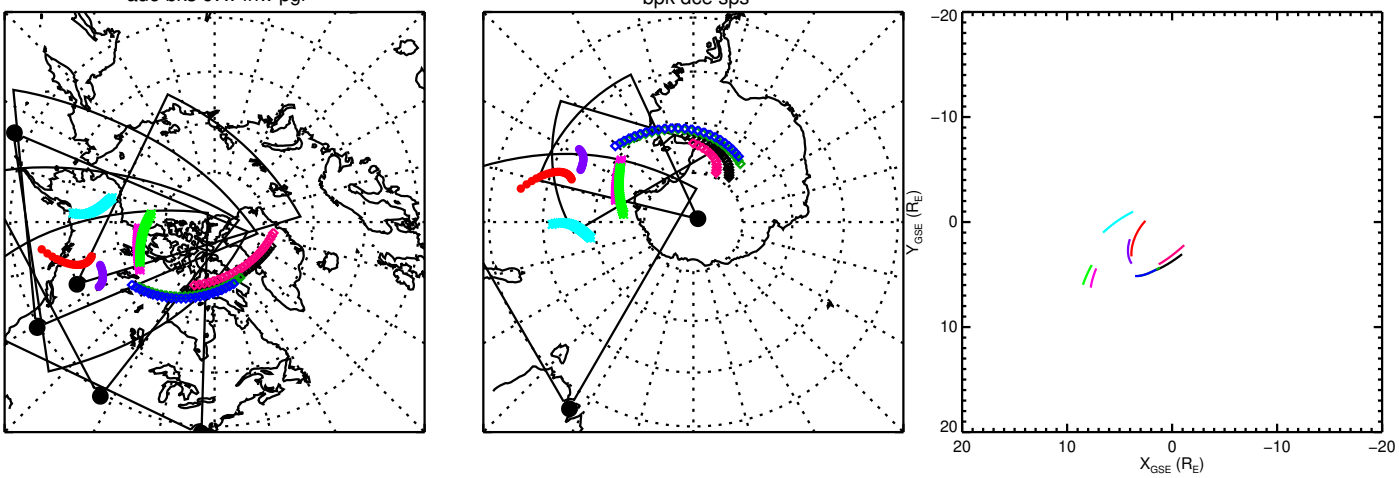


(c) 1255UT to 1820UT
fhe inv pyk sas wal



(d) 2150UT to 2355UT
ade bks cvw fhw pgr

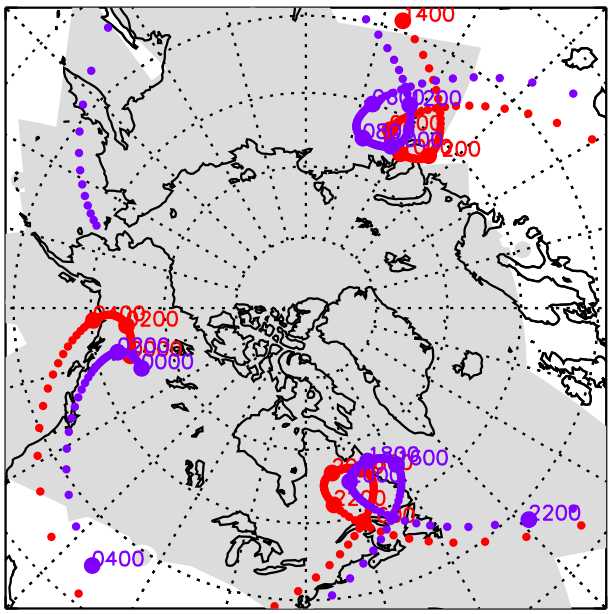
bpk dce sps

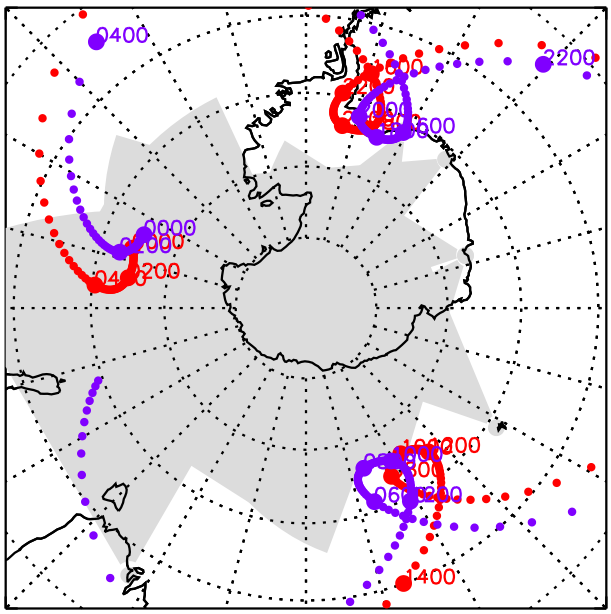


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

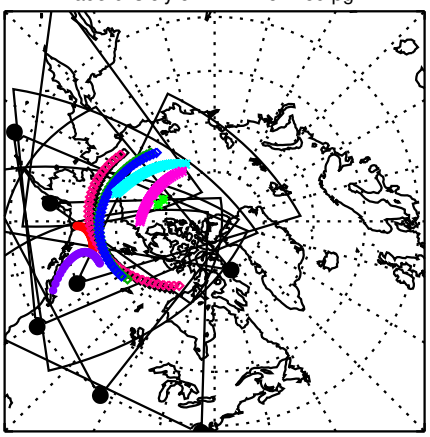
09–Jul–2017

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

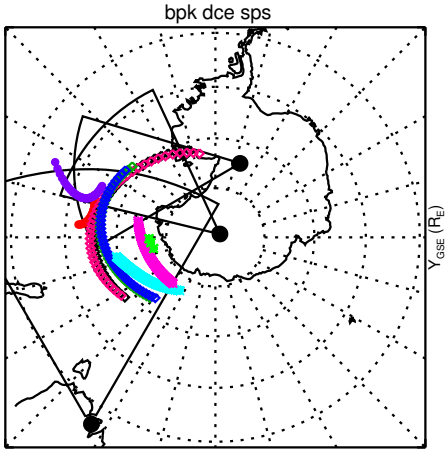


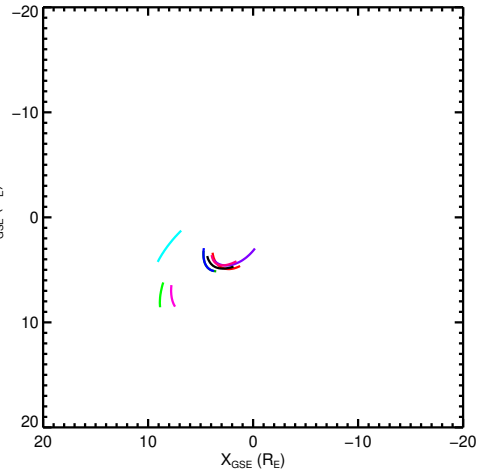


(a) 0000UT to 0325UT
ade bks cly cvw fhw hok kod pgr

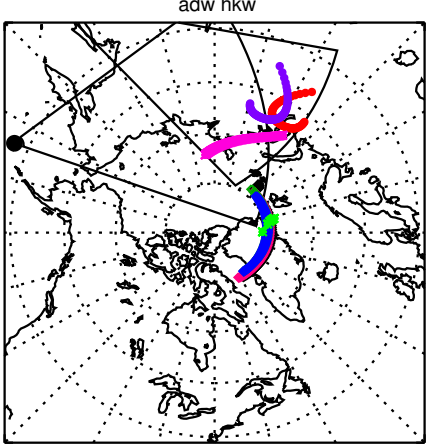


bpk dce sps

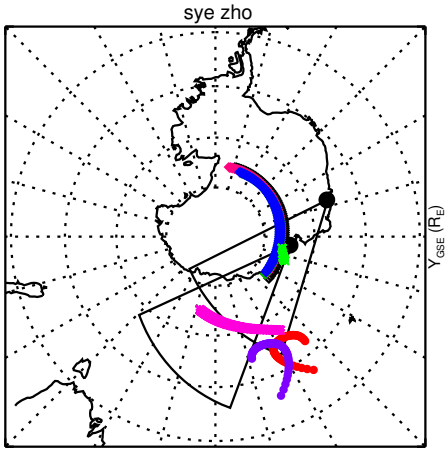


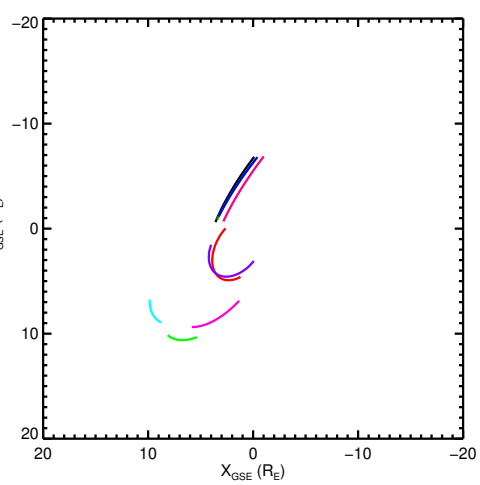


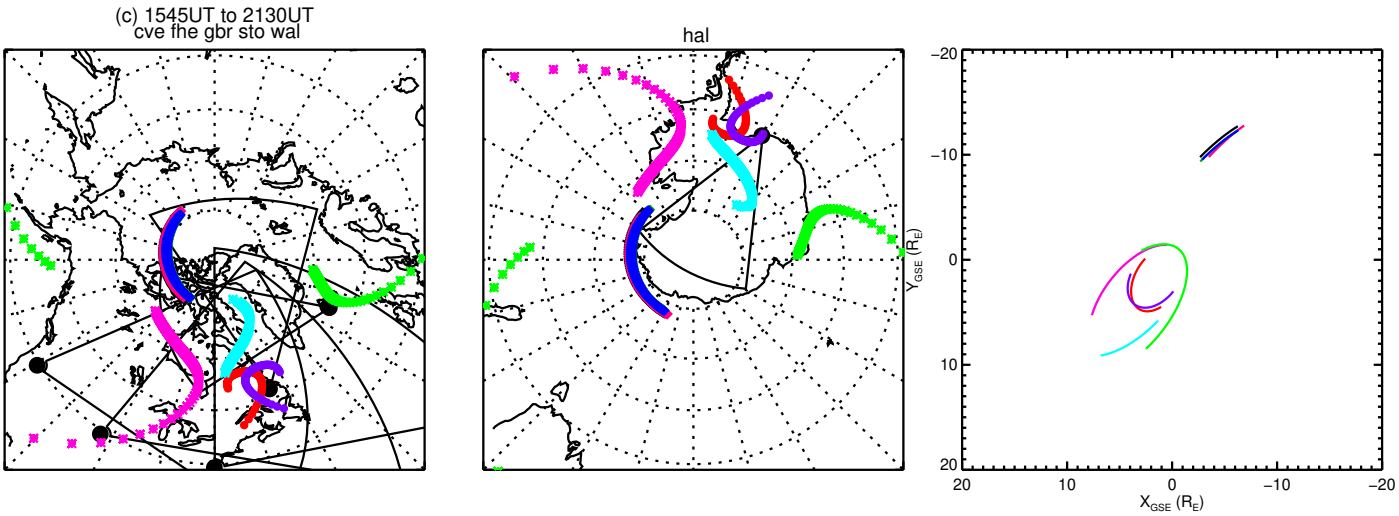
(b) 0650UT to 1225UT
adw hkw



sye zho



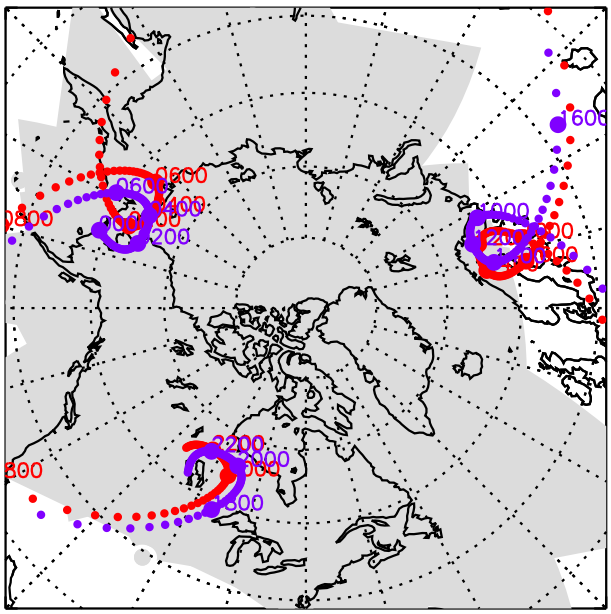


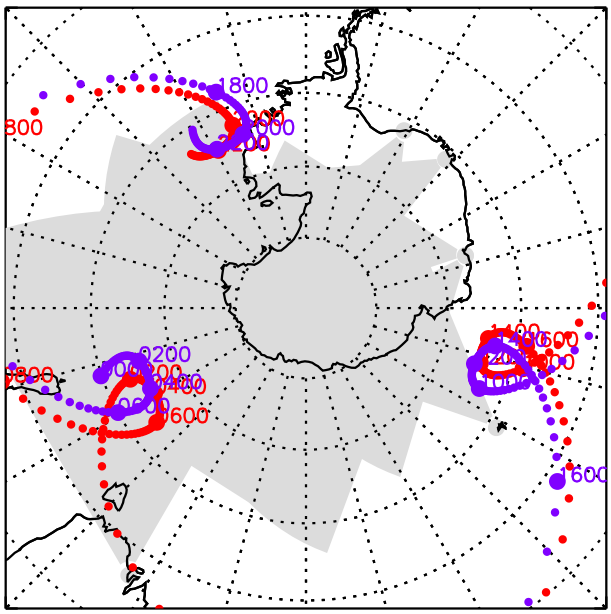

(c) 1545UT to 2130UT
cve fhe gbr sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

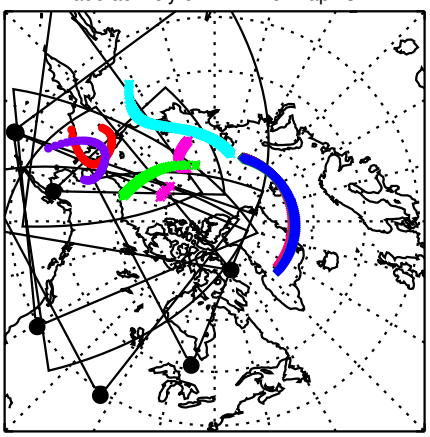
10–Jul–2017

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

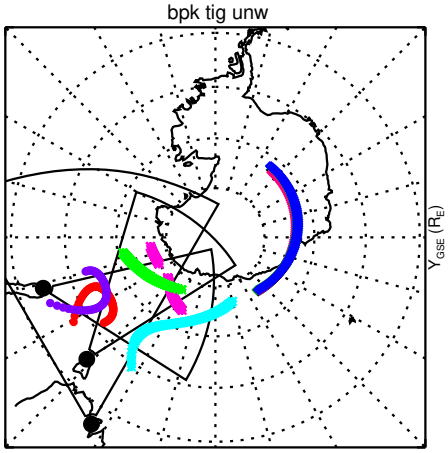


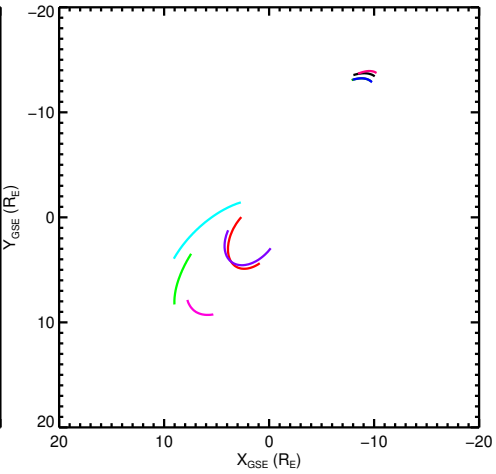


(a) 0045UT to 0635UT
ade adw cly cvw fhw hok kap ksr

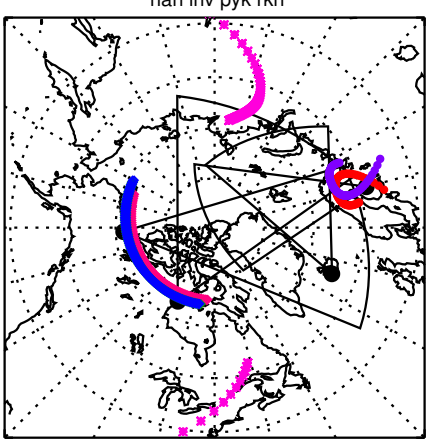


bpk tig unw

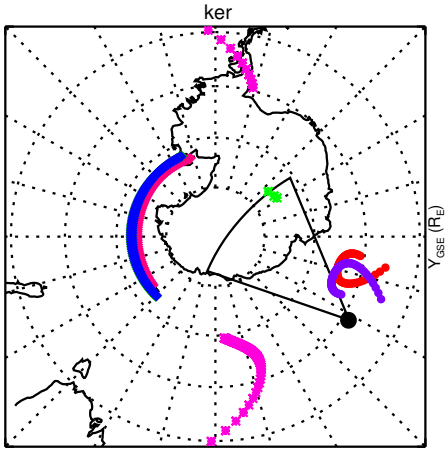


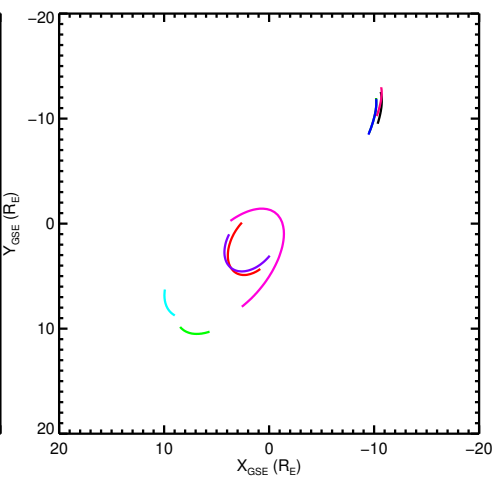


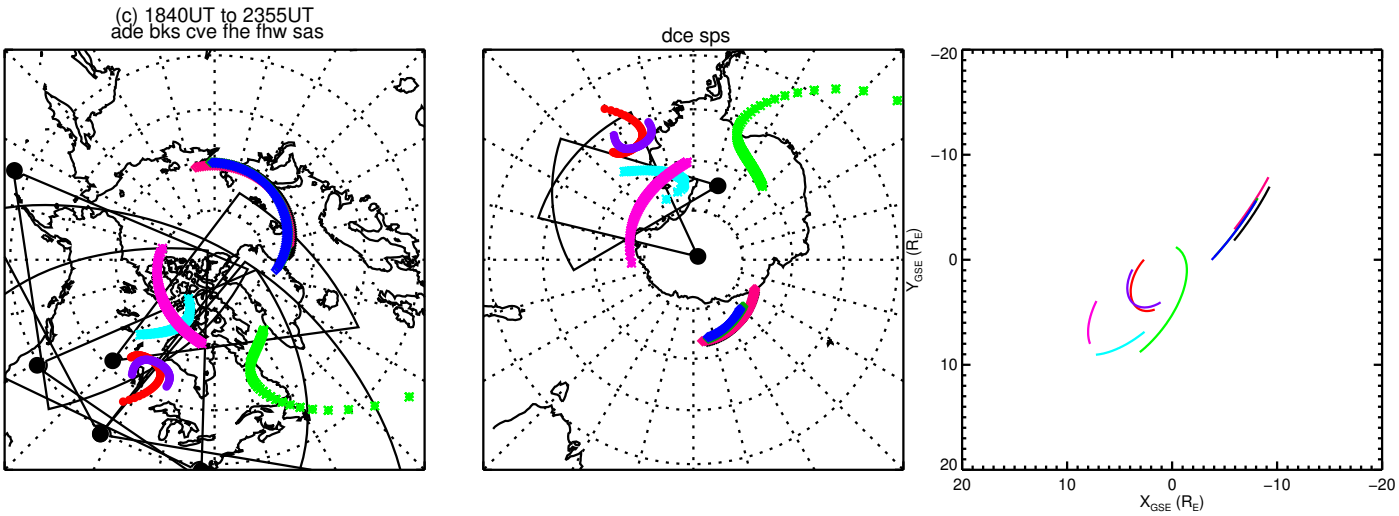
(b) 0940UT to 1535UT
han inv pyk rkn



ker



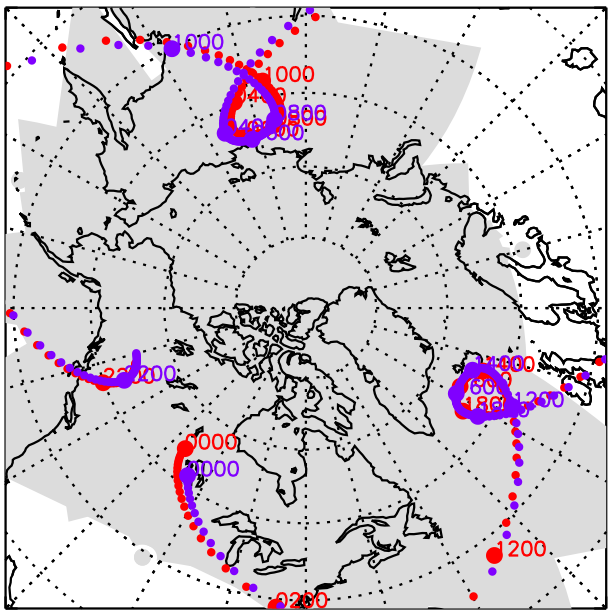


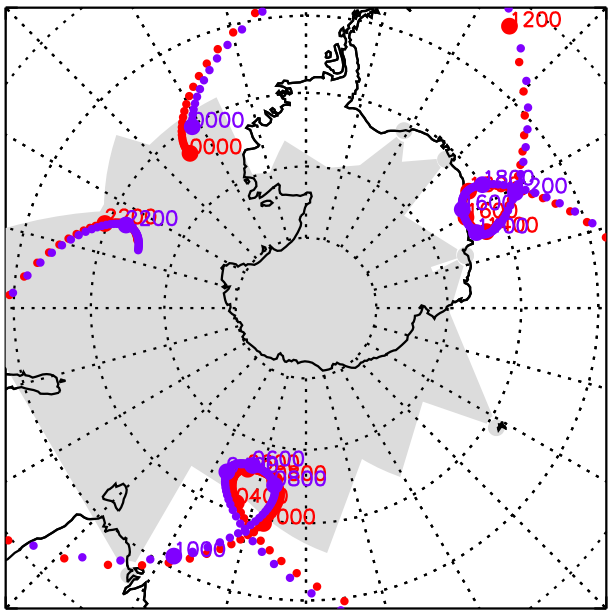

(c) 1840UT to 2355UT
ade bks cve fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

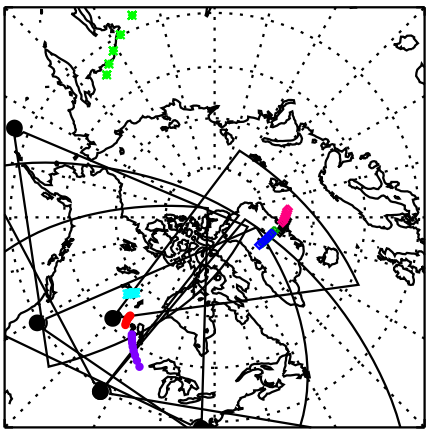
11–Jul–2017

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

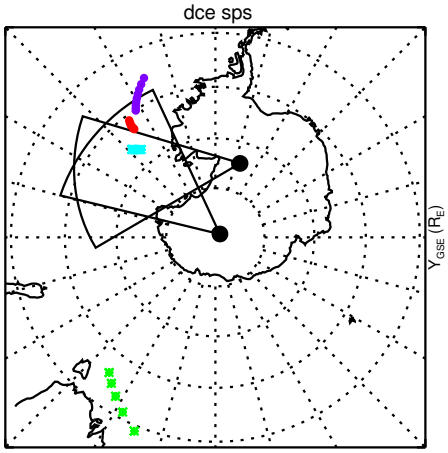


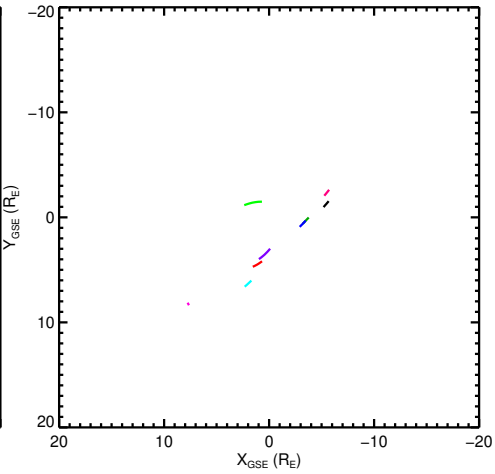


(a) 0000UT to 0040UT
ade bks cve fhe fhw sas

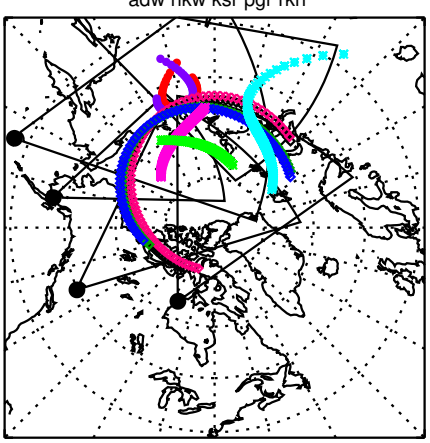


dce sps

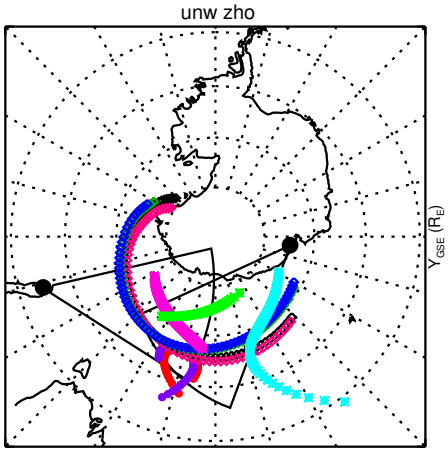


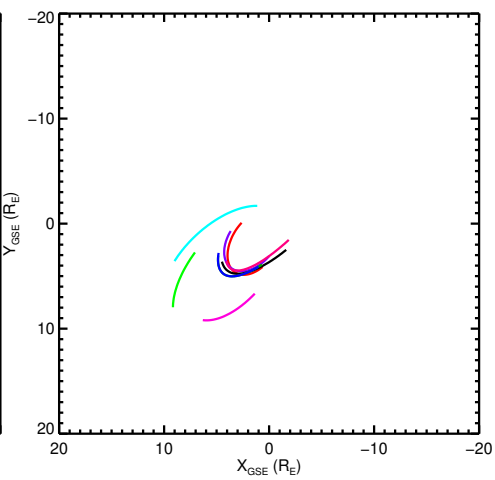


(b) 0335UT to 0940UT
adw hkw ksr pgr rkn

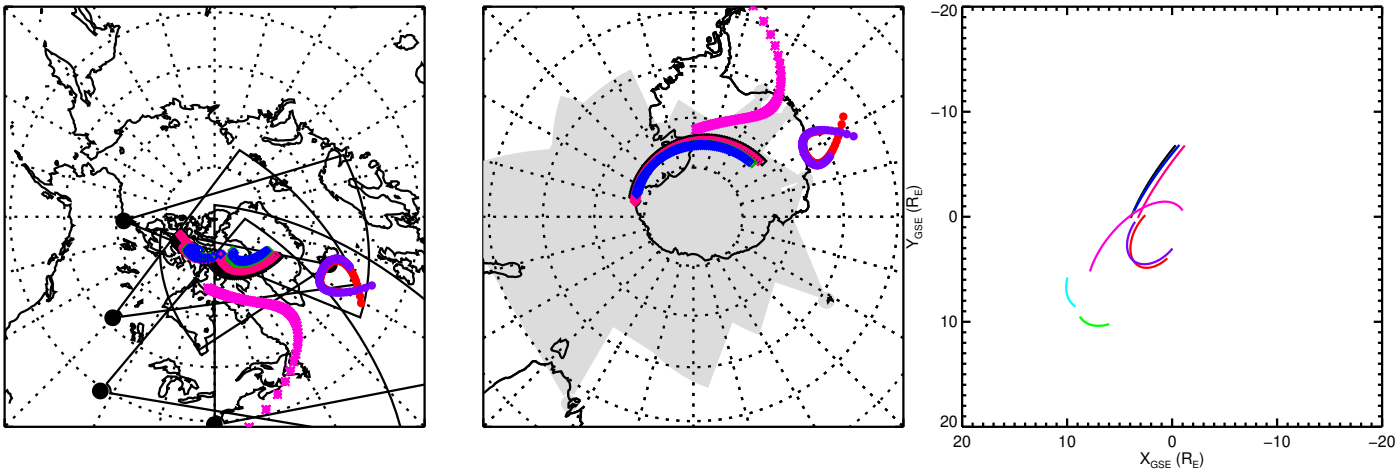


unw zho



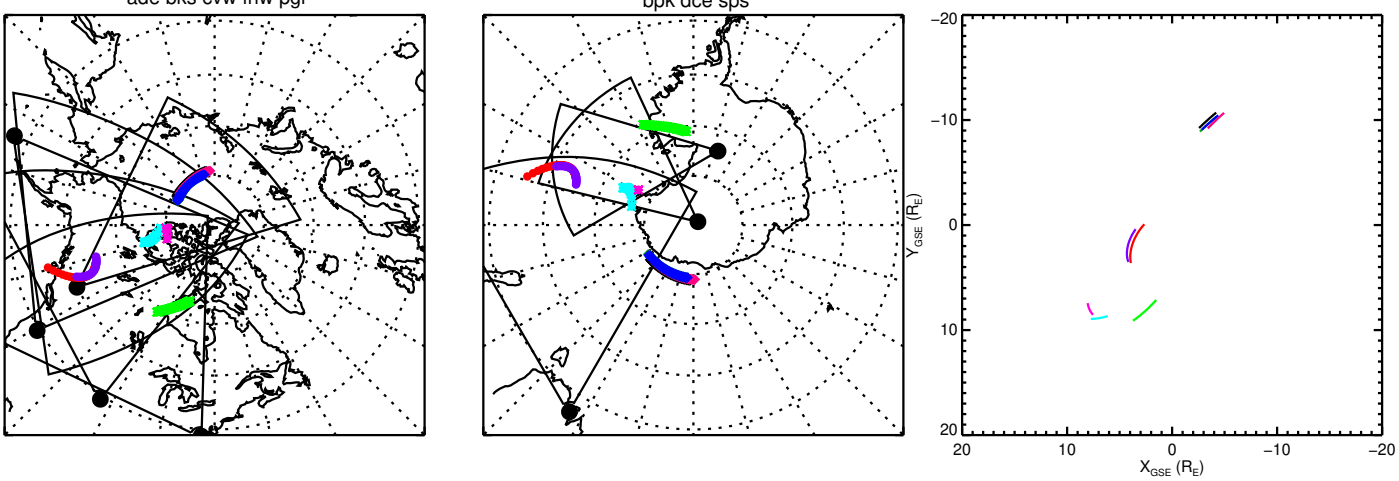


(c) 1230UT to 1845UT
fhe inv sas sto wal



(d) 2130UT to 2355UT
ade bks cvw fhw pgr

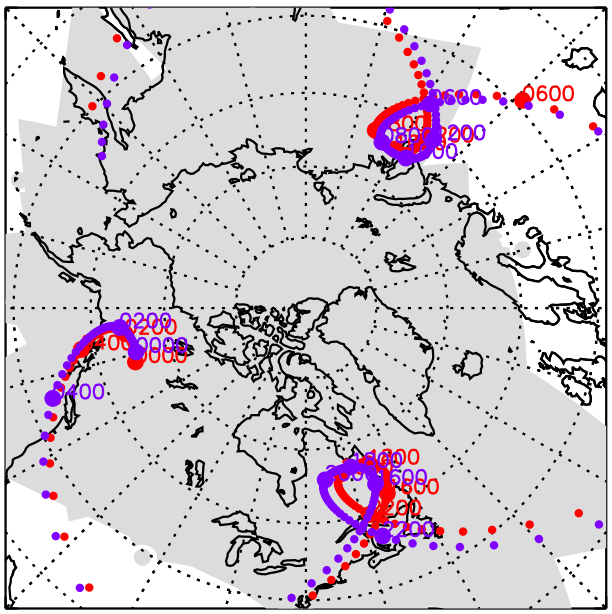
bpk dce sps

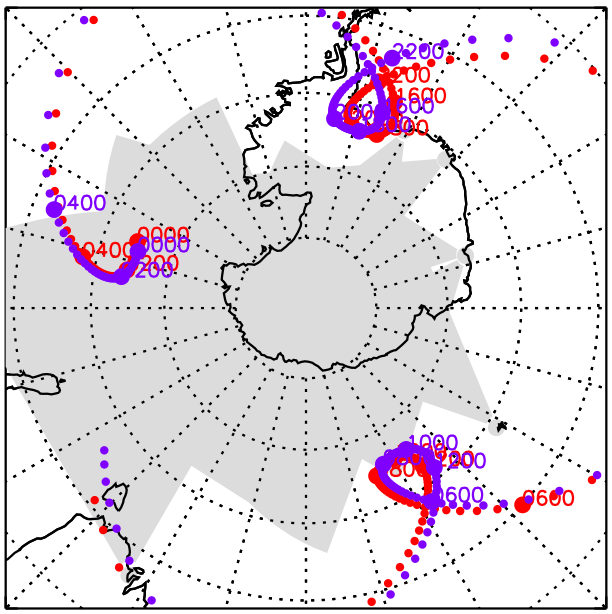


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

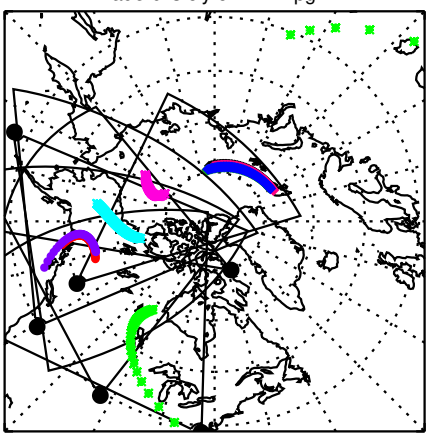
12–Jul–2017

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

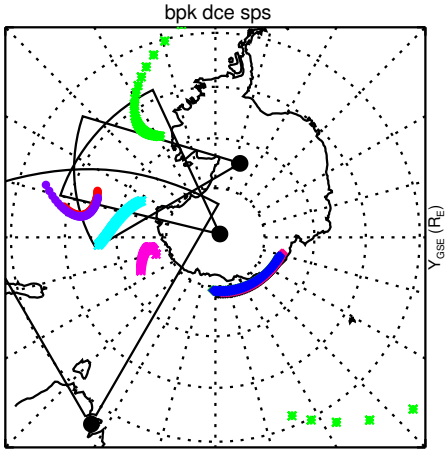


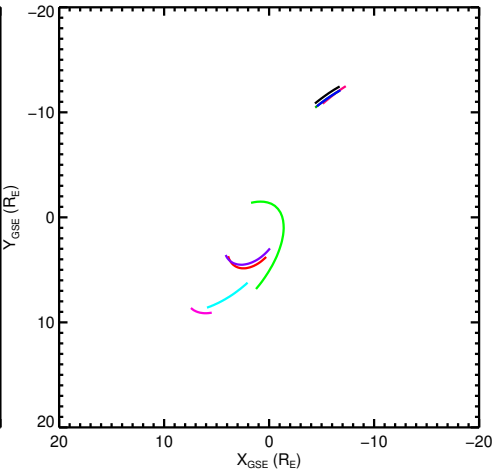


(a) 0000UT to 0350UT
ade bks cly cvw fhw pgr

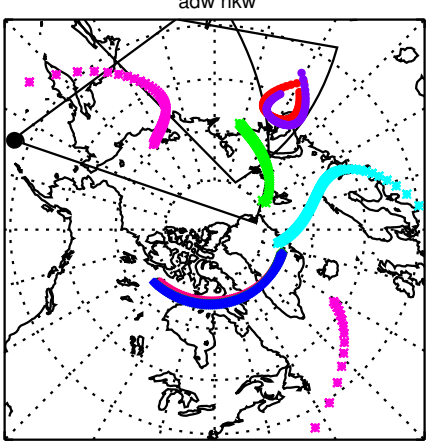


bpk dce sps

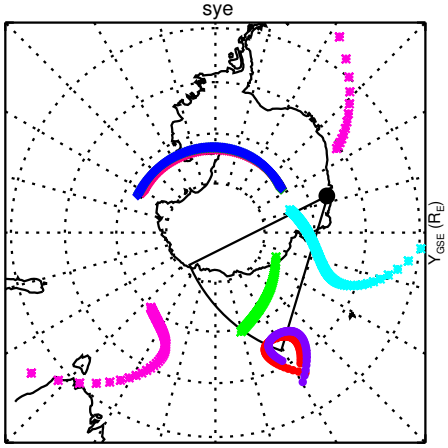


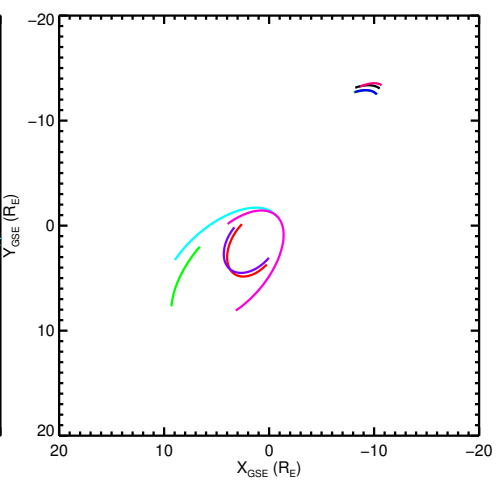


(b) 0625UT to 1250UT
adw hkw

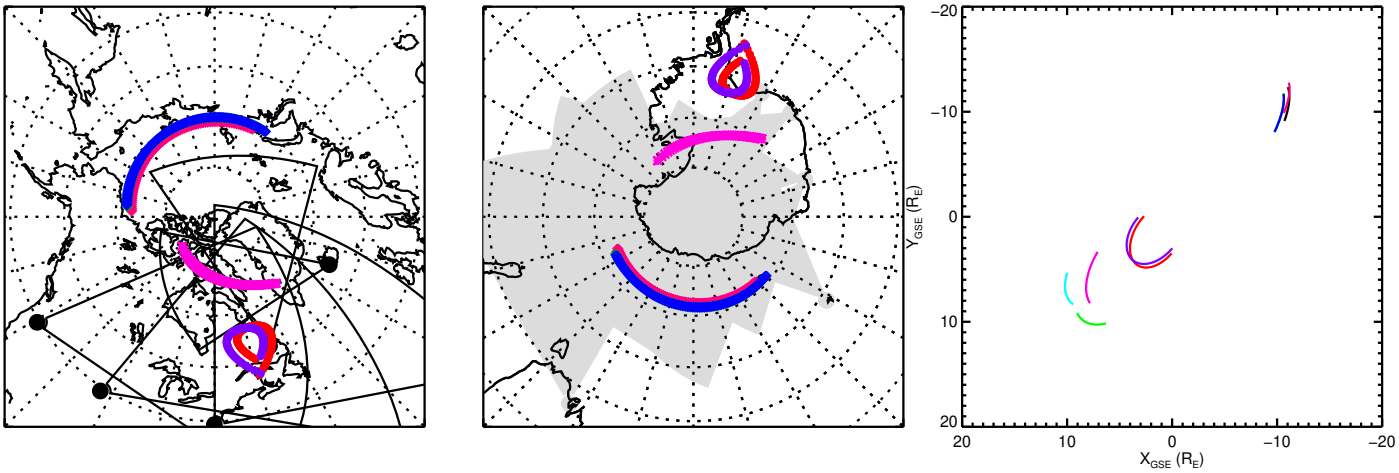


sye





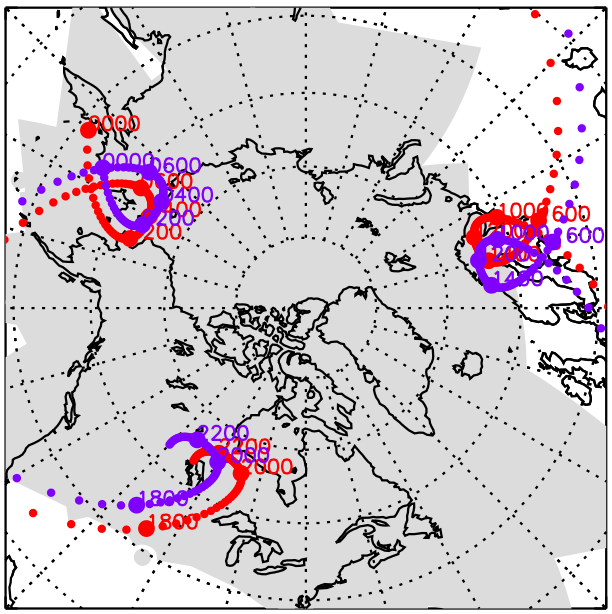
(c) 1525UT to 2155UT
cve fhe gbr sto wal

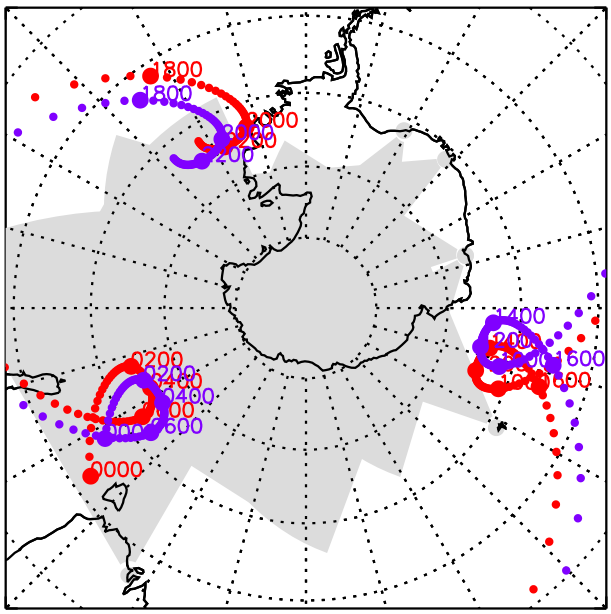


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

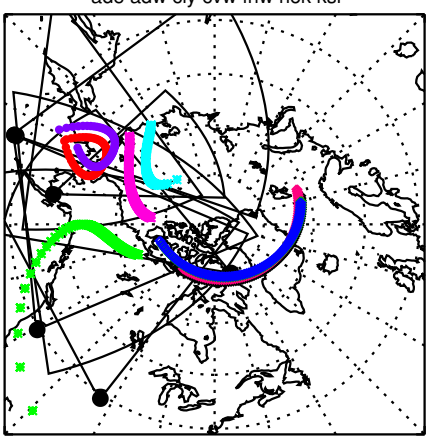
13–Jul–2017

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

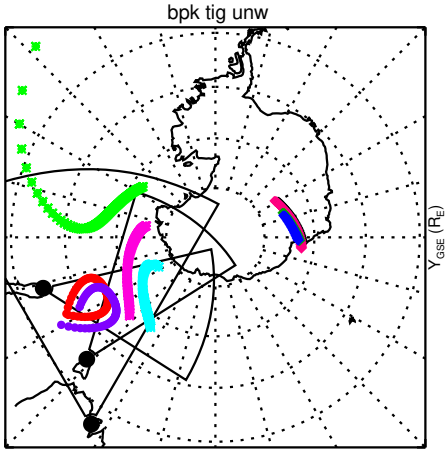


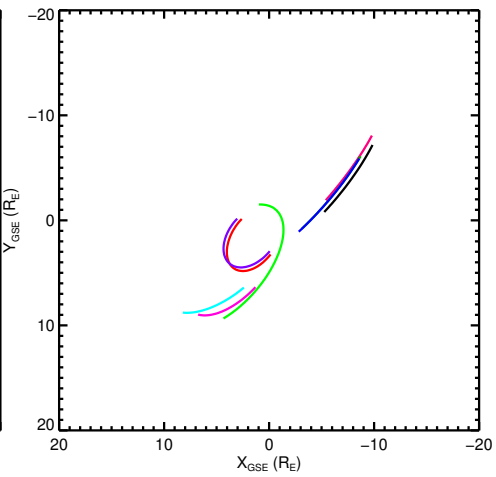


(a) 0020UT to 0700UT
ade adw cly cvw fhw hok ksr

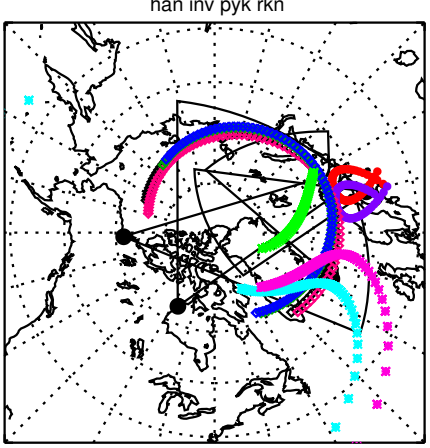


bpk tig unw

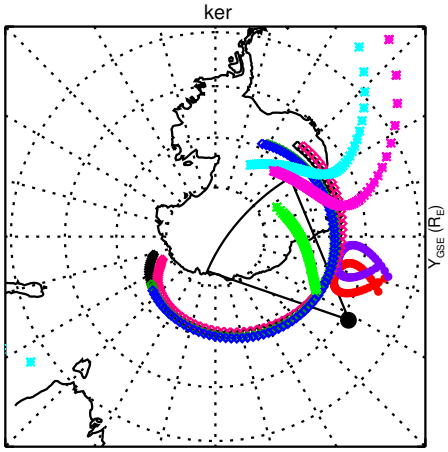


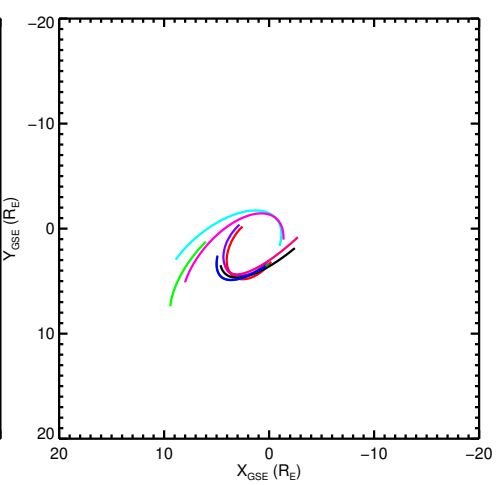


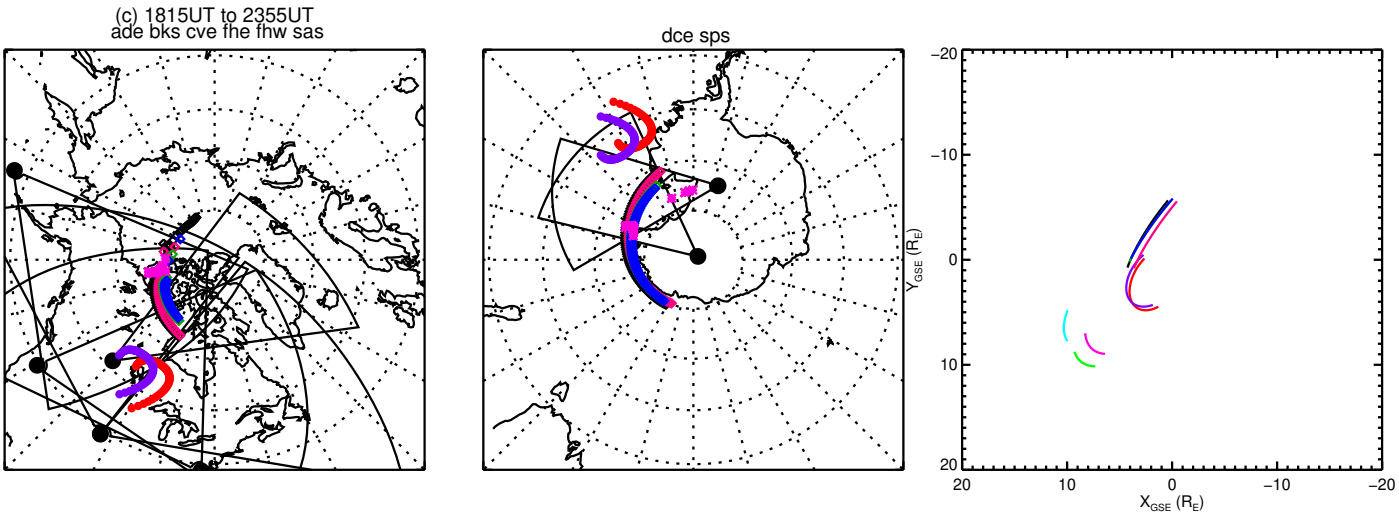
(b) 0915UT to 1600UT
han inv pyk rkn



ker



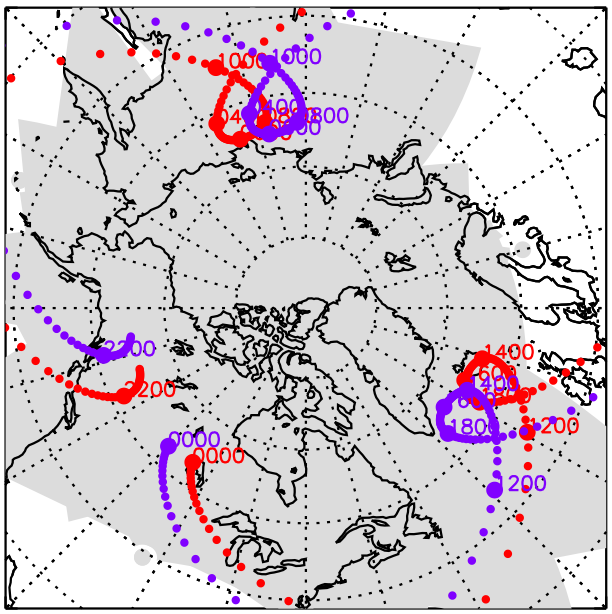


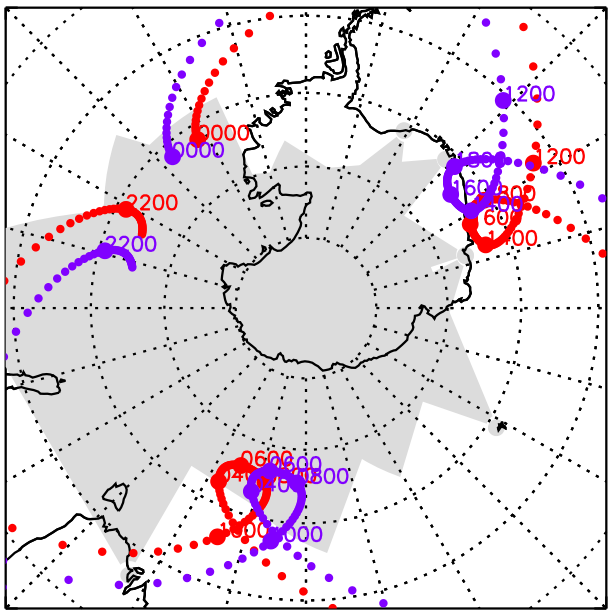

(c) 1815UT to 2355UT
ade bks cve fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

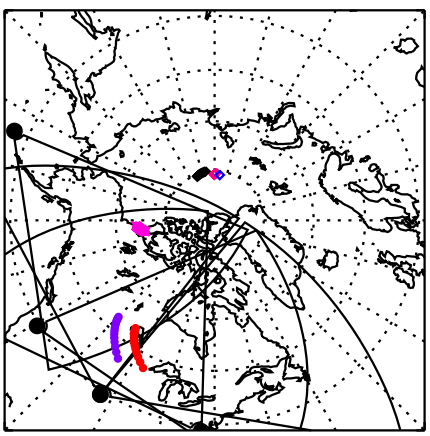
14–Jul–2017

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

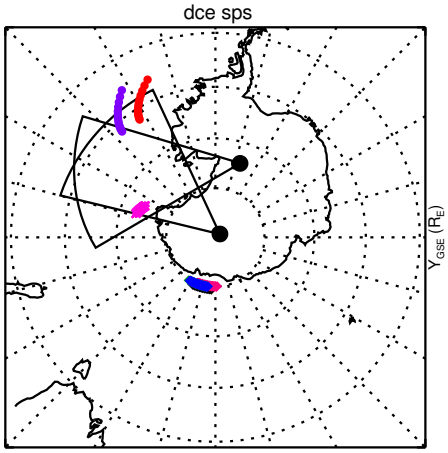


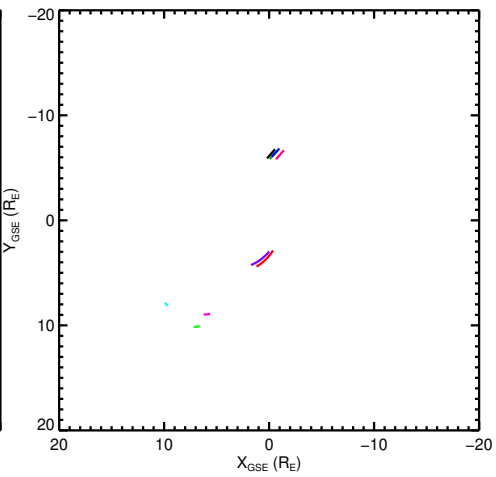


(a) 0000UT to 0105UT
ade bks cve fhe fhw

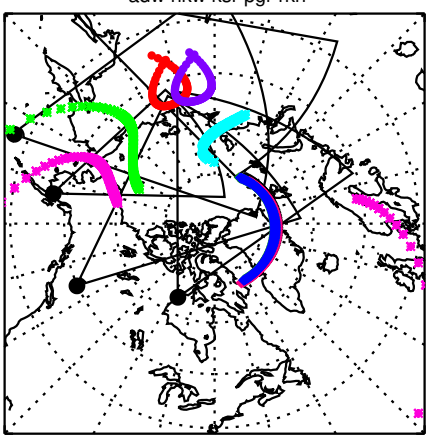


dce sps

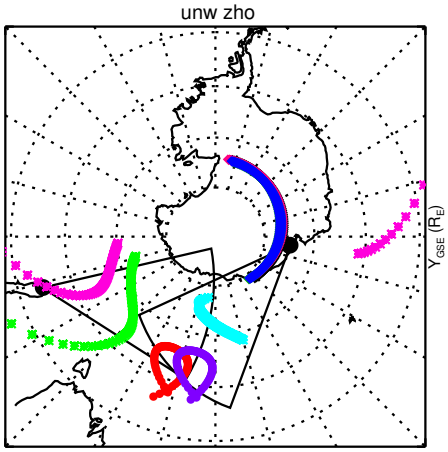


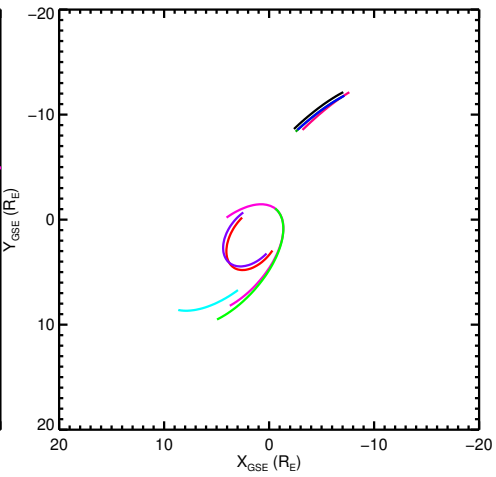


(b) 0310UT to 1000UT
adw hkw ksr pgr rkn

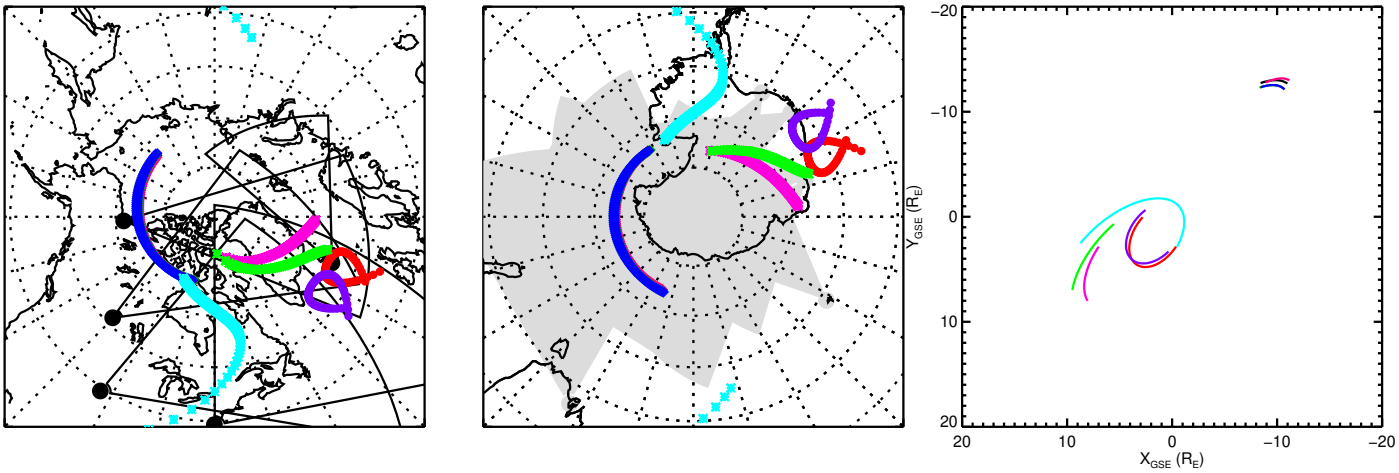


unw zho



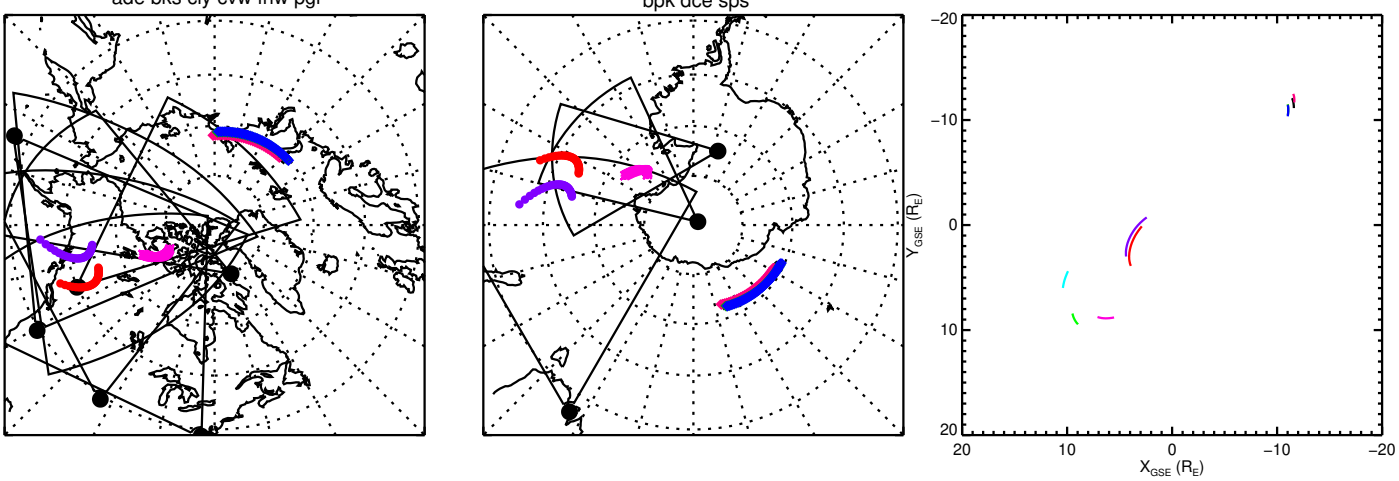


(c) 1215UT to 1900UT
fhe inv pyk sas wal



(d) 2115UT to 2355UT
ade bks cly cvw fhw pgr

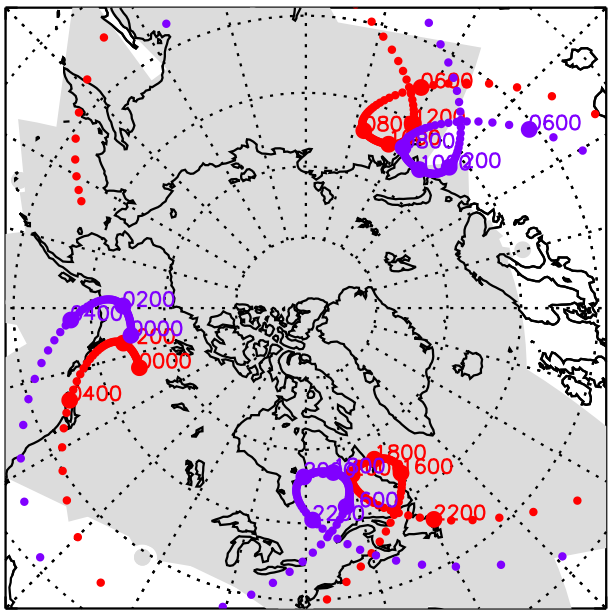
bpk dce sps

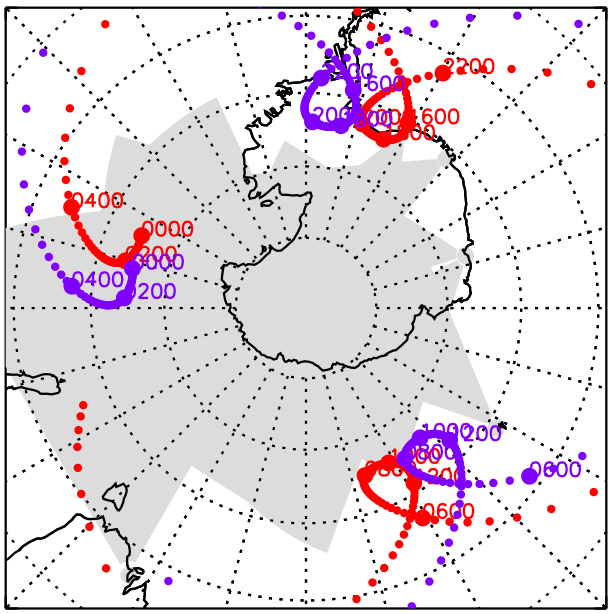


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

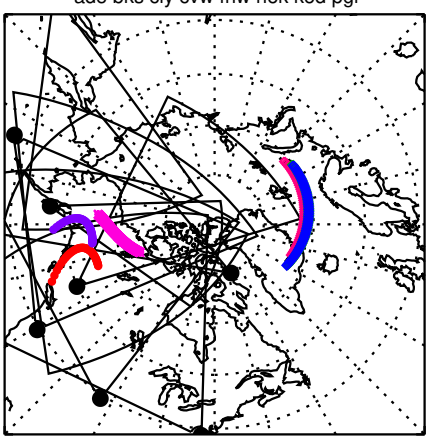
15–Jul–2017

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

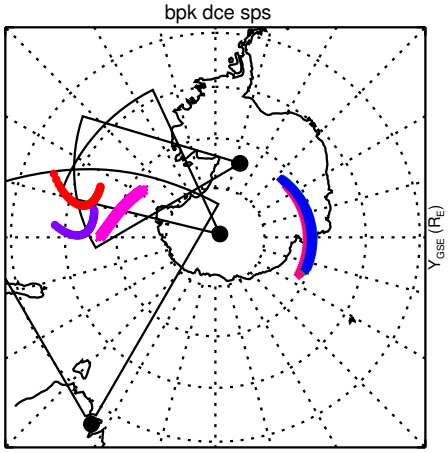


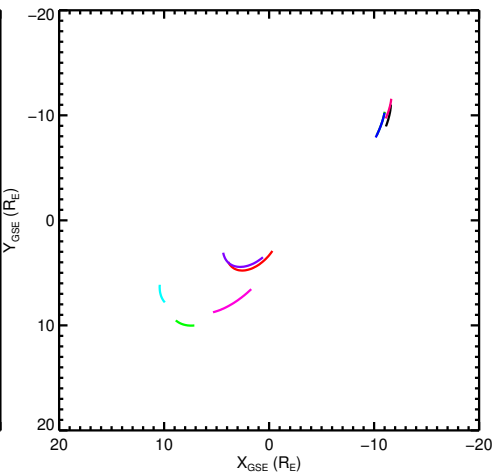


(a) 0000UT to 0355UT
ade bks cly cvw fhw hok kod pgr

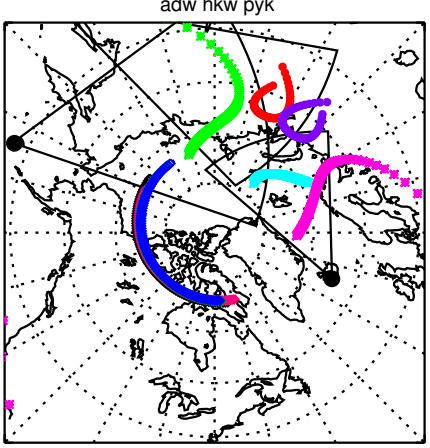


bpk dce sps

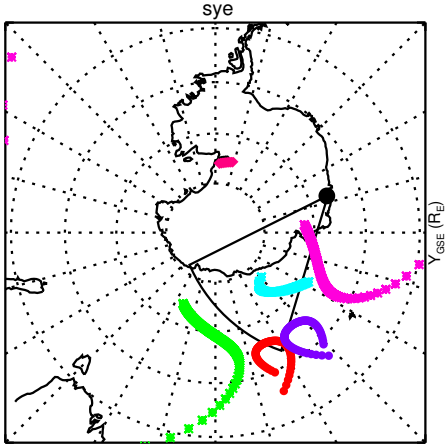


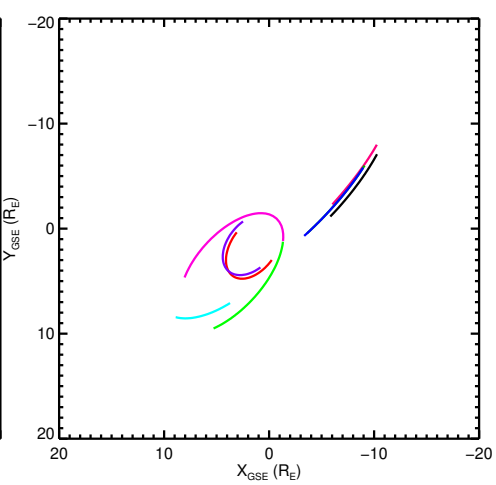


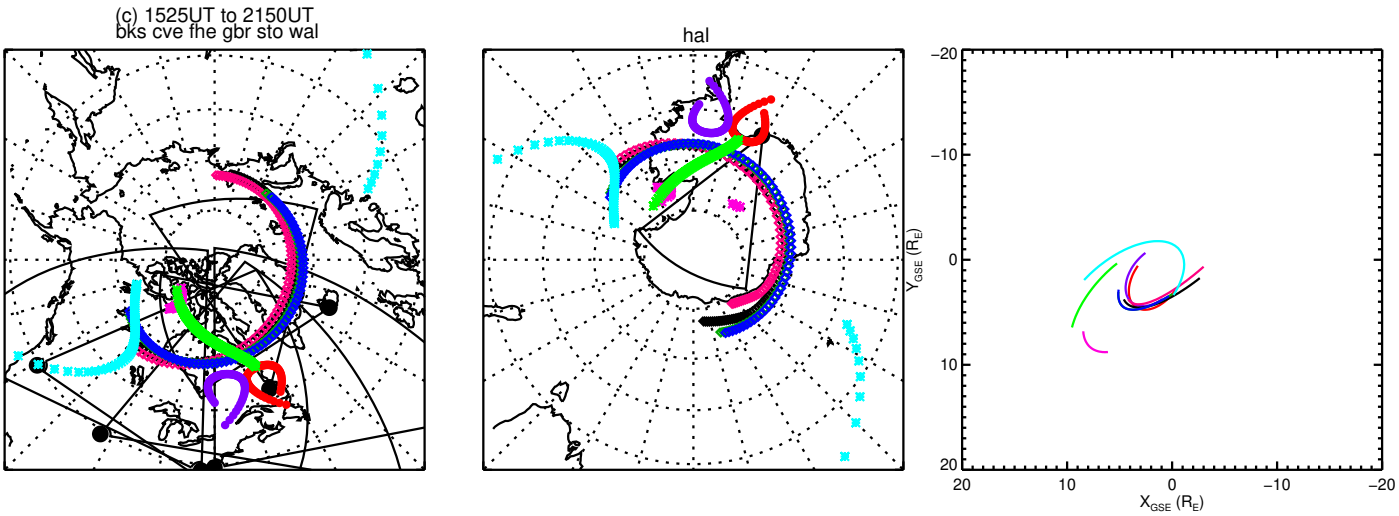
(b) 0620UT to 1250UT
adw hkw pyk



sye



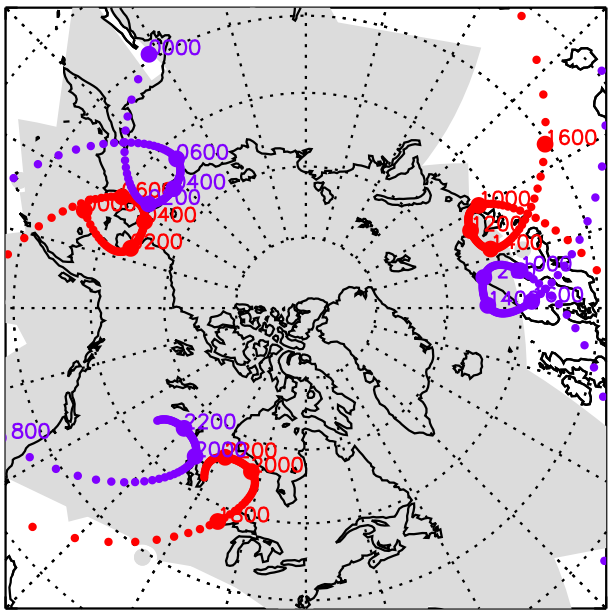


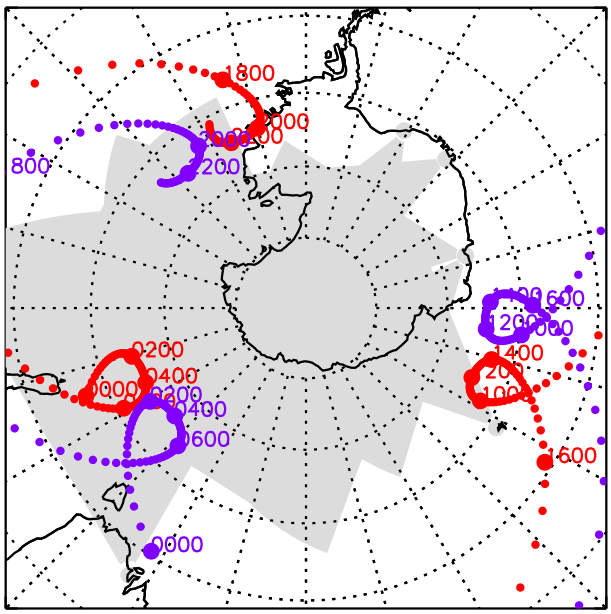

(c) 1525UT to 2150UT
bks cve fhe gbr sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

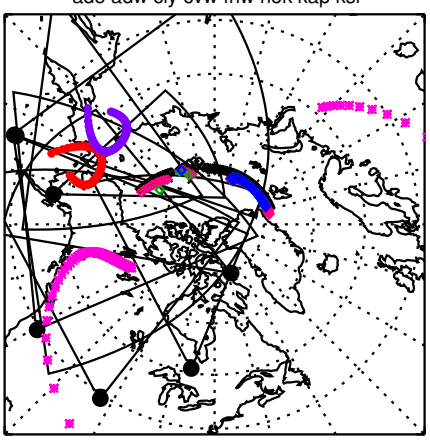
16–Jul–2017

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

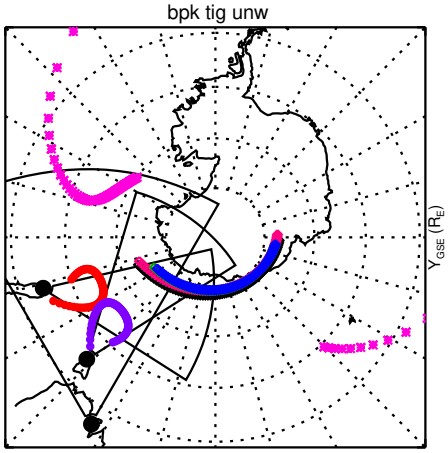


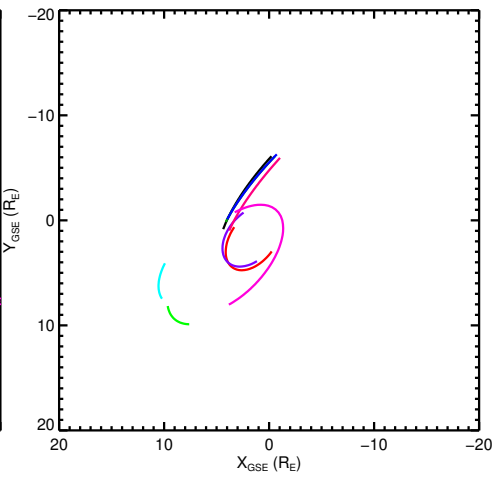


(a) 0025UT to 0645UT
ade adw cly cvw fhw hok kap ksr

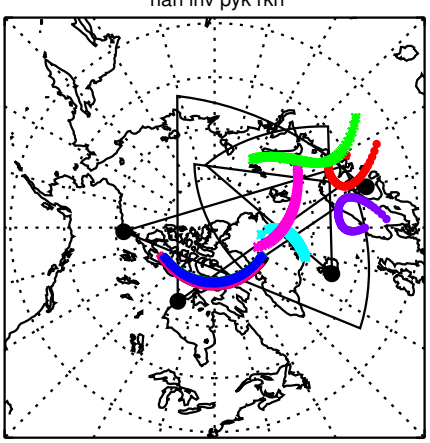


bpk tig unw

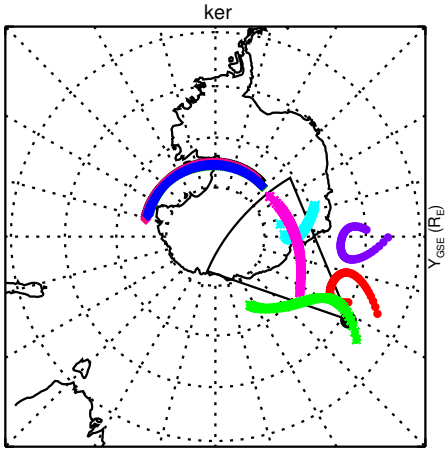


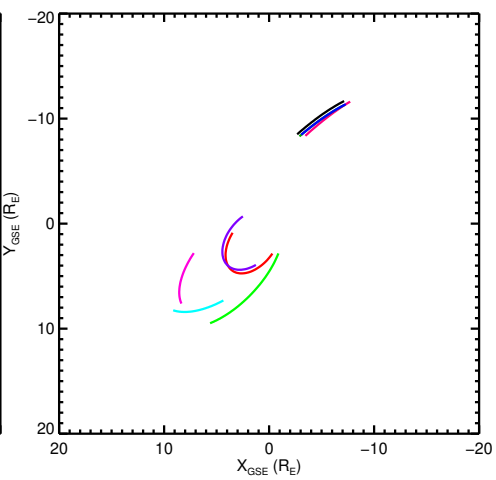


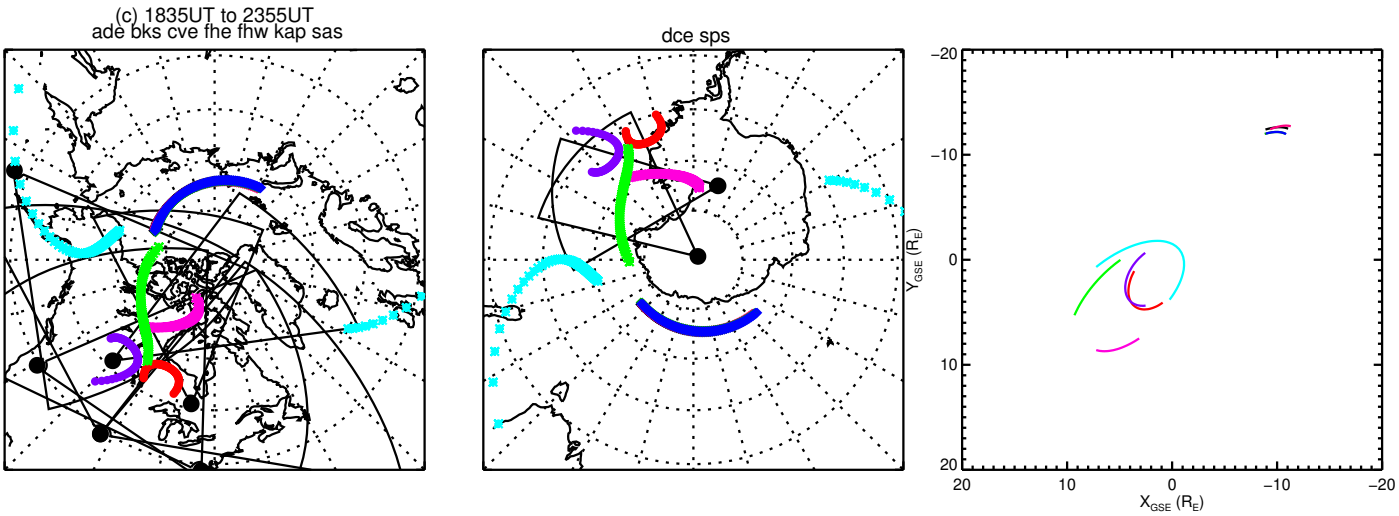
(b) 0930UT to 1545UT
han inv pyk rkn



ker



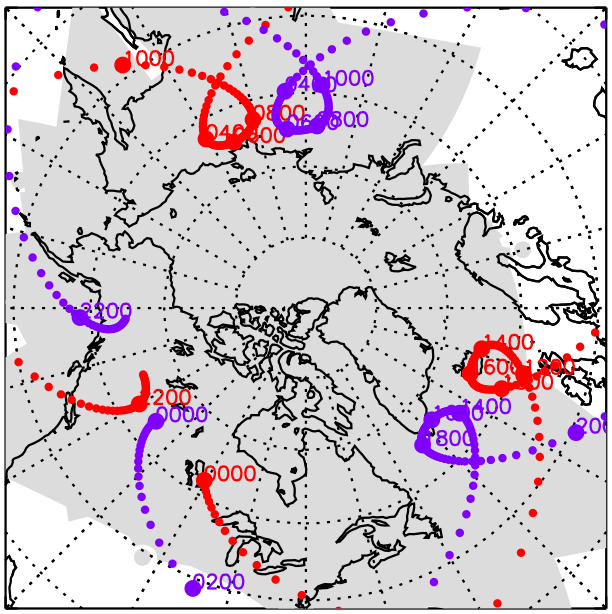


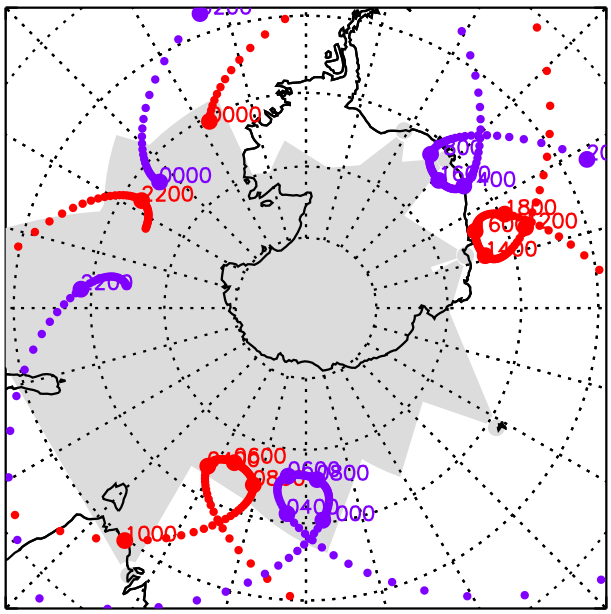

(c) 1835UT to 2355UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

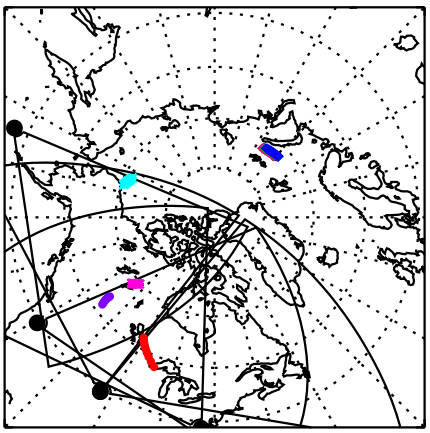
17–Jul–2017

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

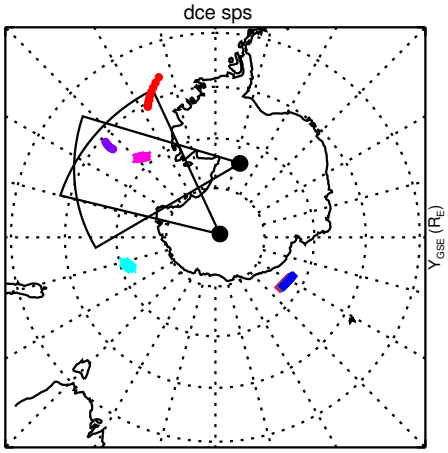


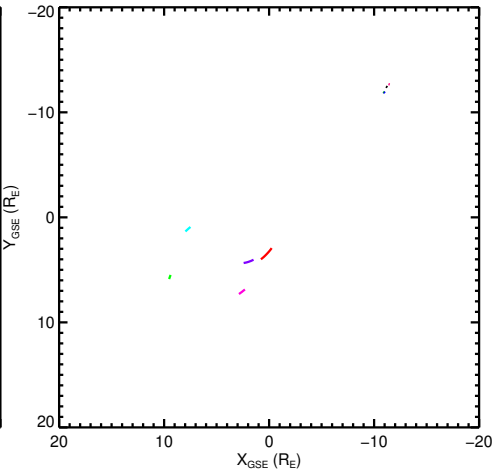


(a) 0000UT to 0040UT
ade bks cve fhe fhw

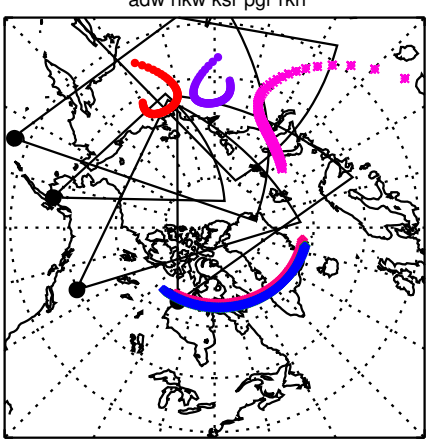


dce sps

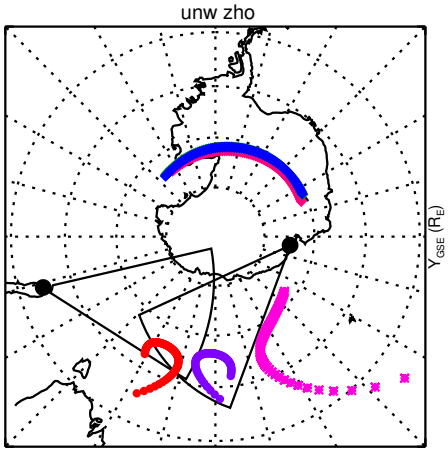


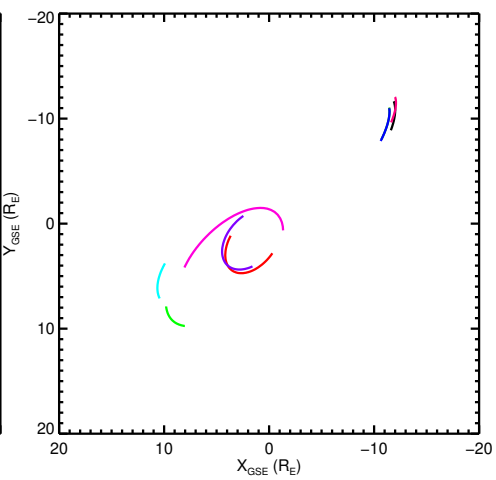


(b) 0335UT to 0940UT
adw hkw ksr pgr rkn

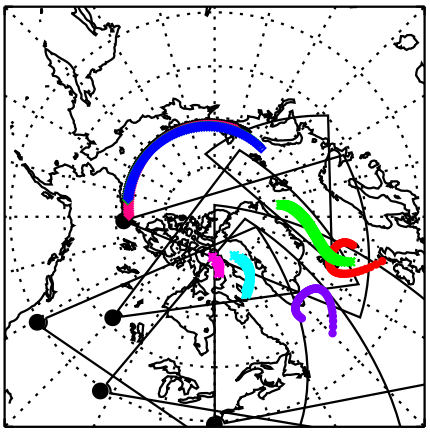


unw zho

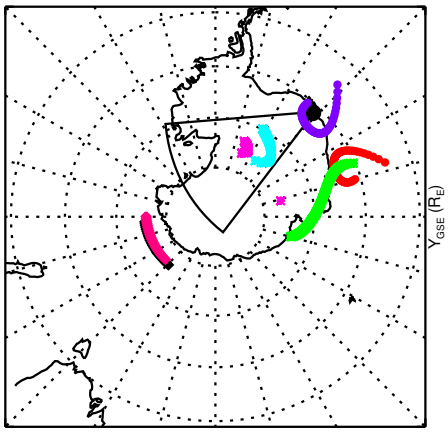


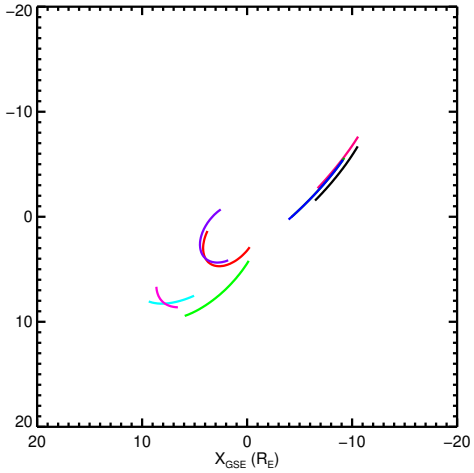


(c) 1240UT to 1835UT
cve fhe inv pyk sas wal

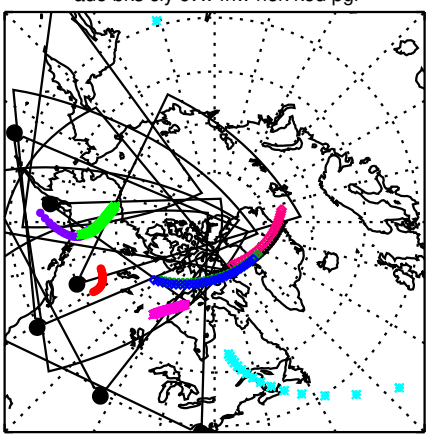


san

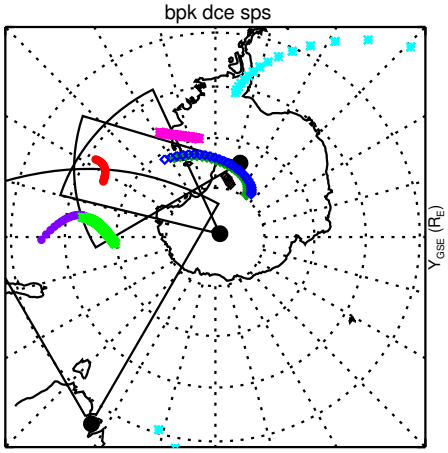


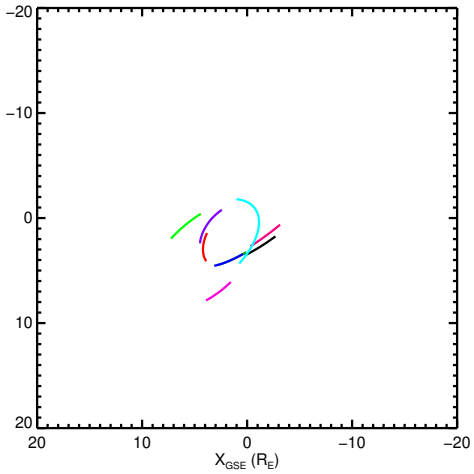


(d) 2140UT to 2355UT
ade bks cly cvw fhw hok kod pgr



bpk dce sps

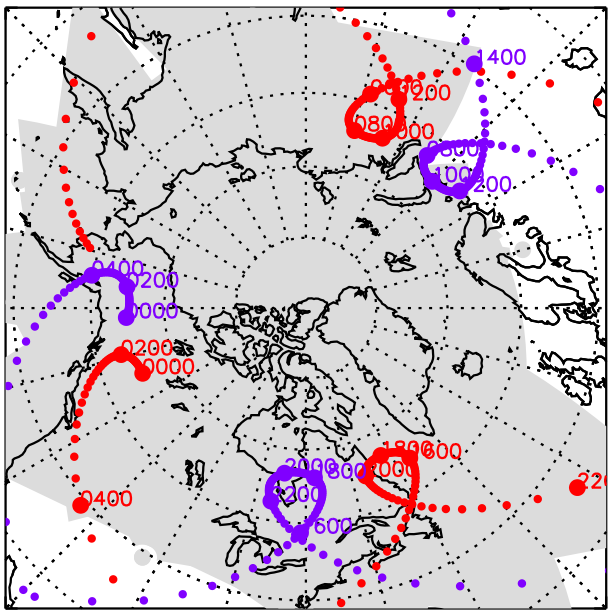


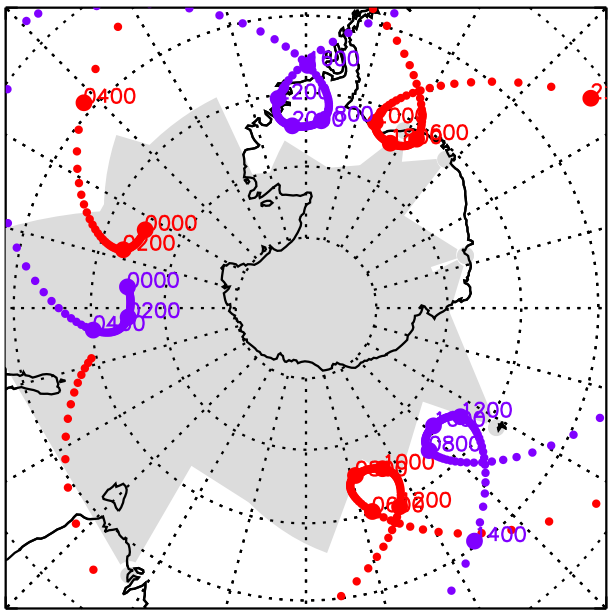


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

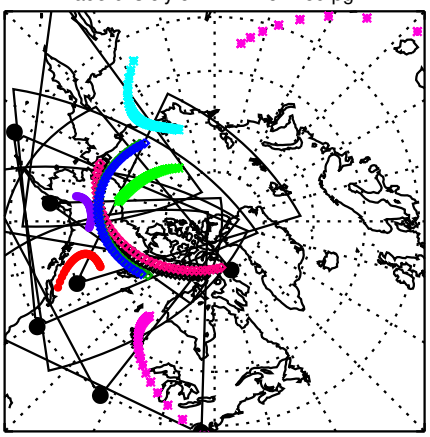
18–Jul–2017

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

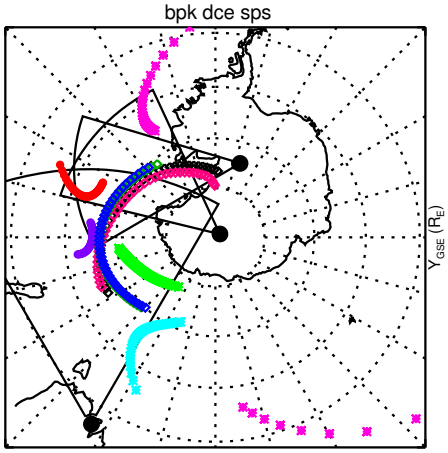


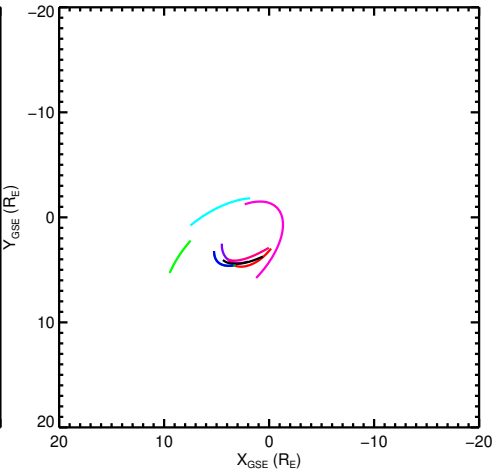


(a) 0000UT to 0330UT
ade bks cly cvw fhw hok kod pgr

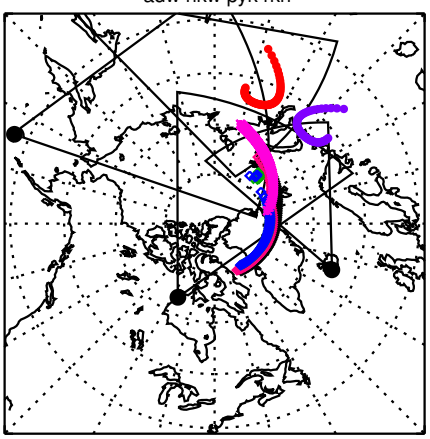


bpk dce sps

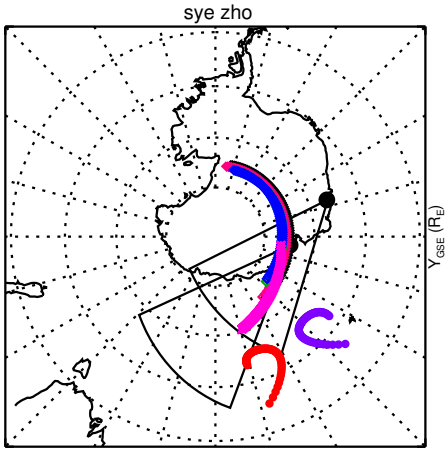


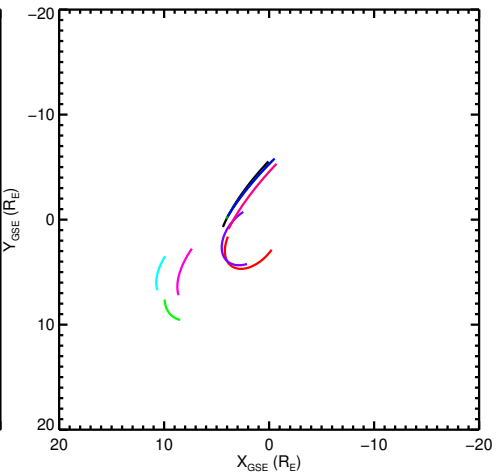


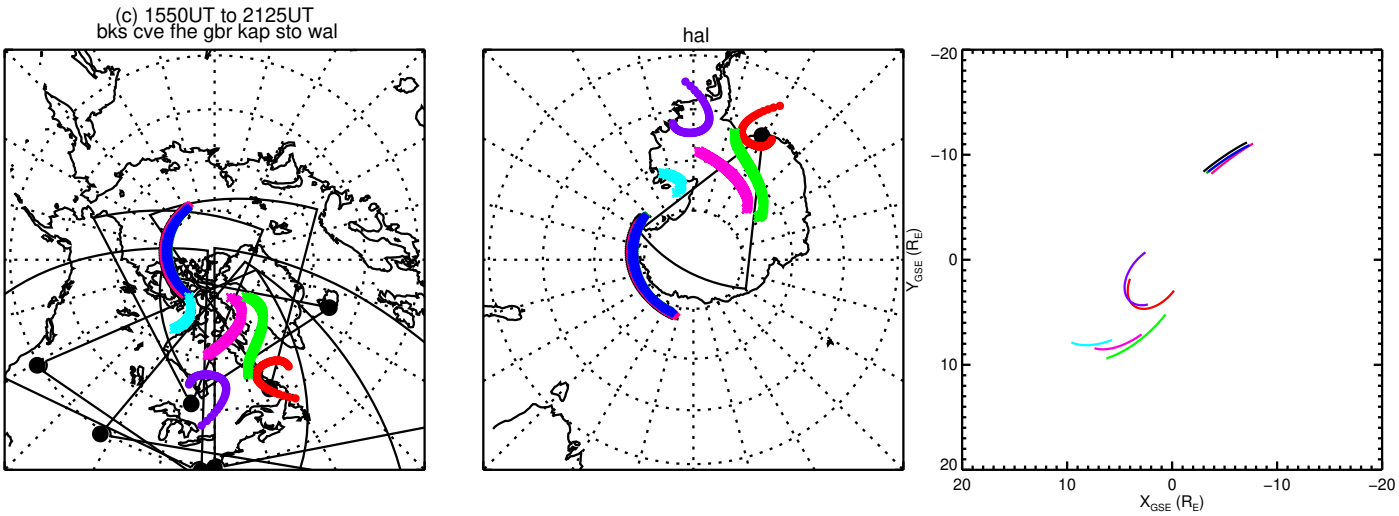
(b) 0645UT to 1230UT
adw hkw pyk rkn



sye zho



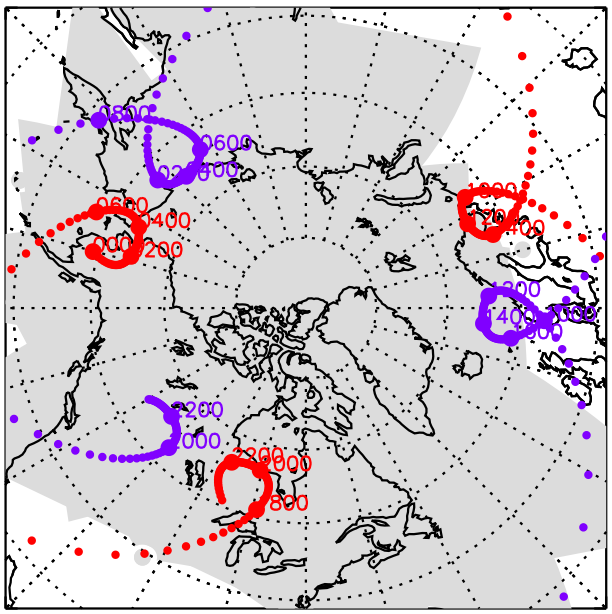


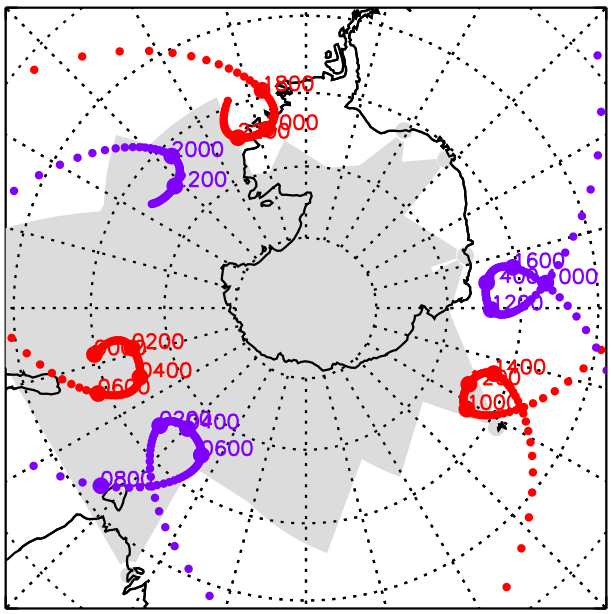

(c) 1550UT to 2125UT
bks cve fhe gbr kap sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

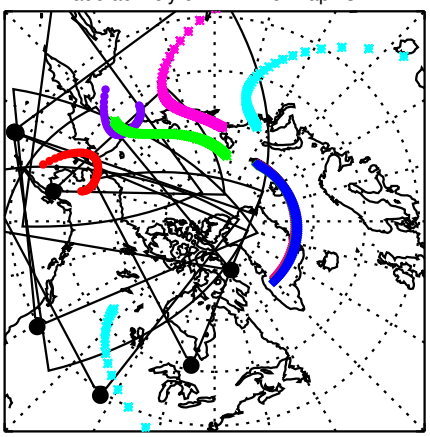
19–Jul–2017

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

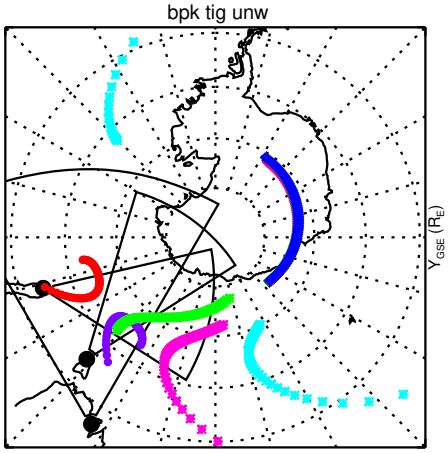


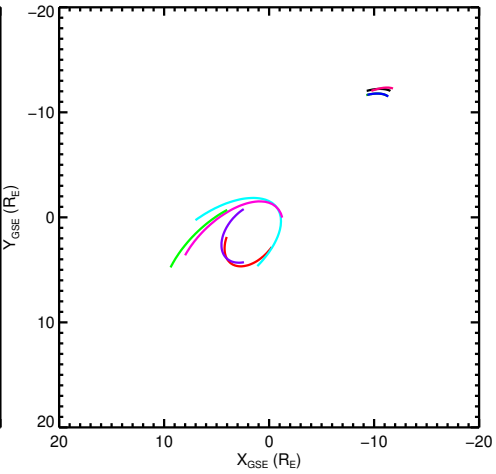


(a) 0050UT to 0625UT
ade adw cly cvw fhw hok kap ksr

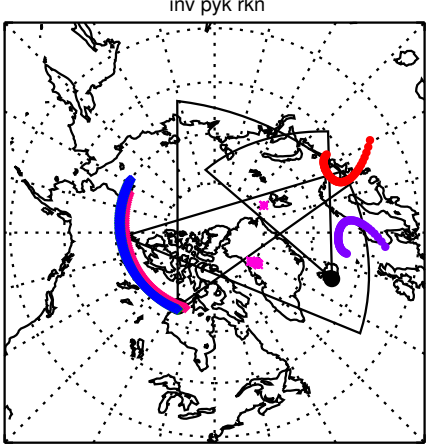


bpk tig unw

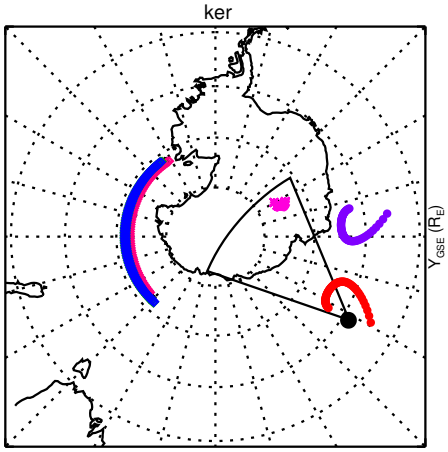


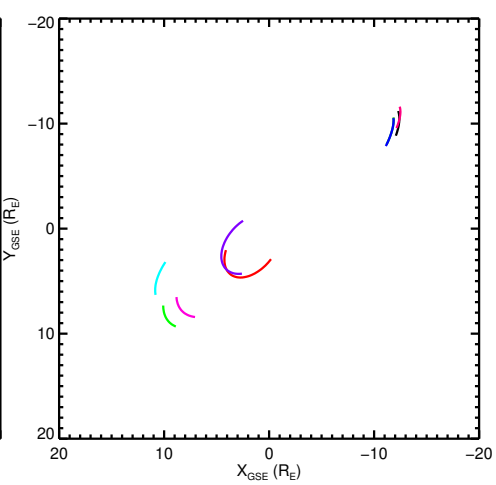


(b) 0955UT to 1520UT
inv pyk rkn

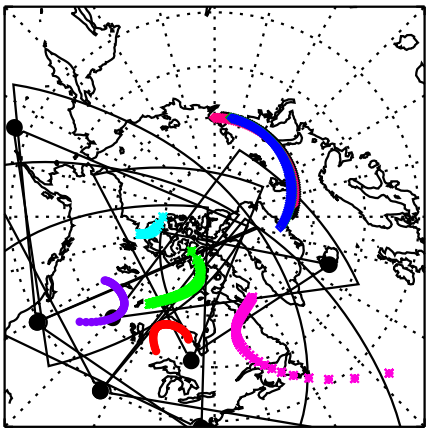


ker

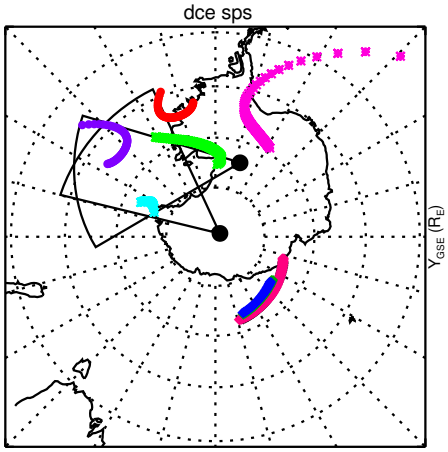


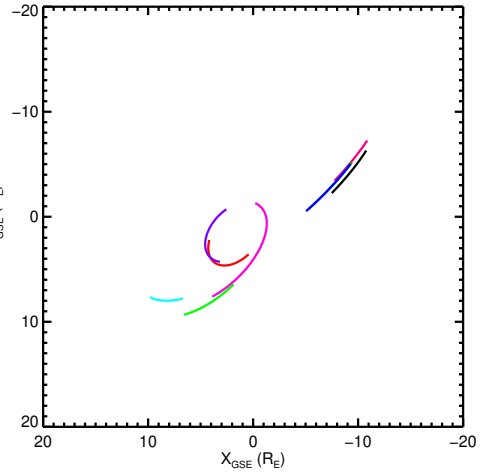


(c) 1900UT to 2355UT
ade bks cve cvw fhe fhw kap sas sto



dce sps

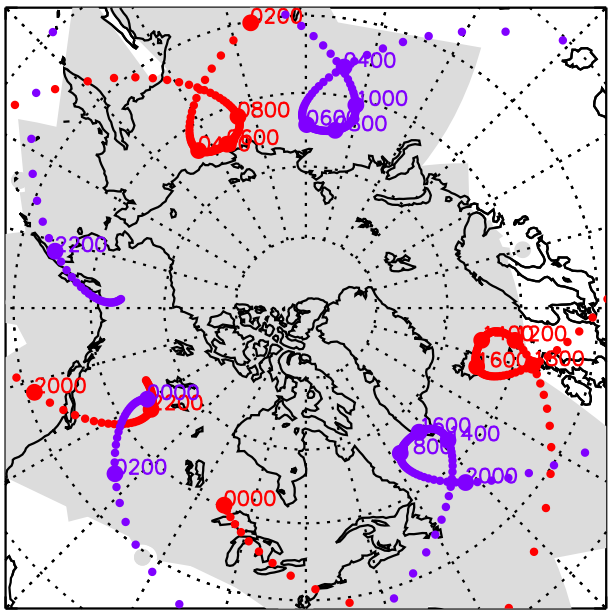


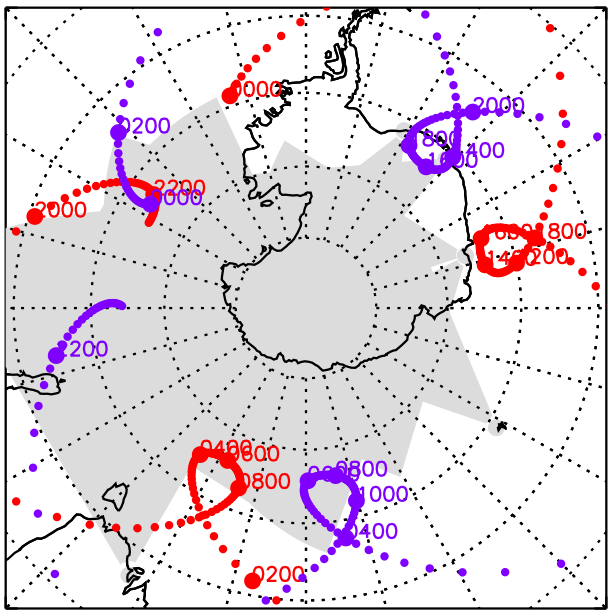


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

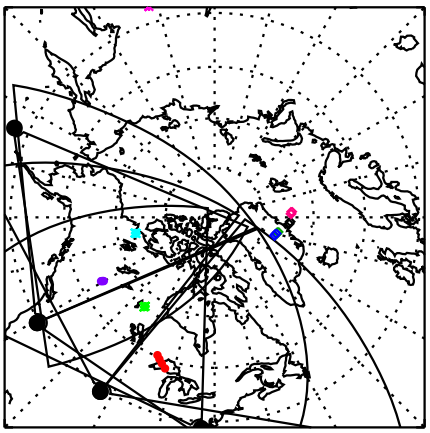
20–Jul–2017

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

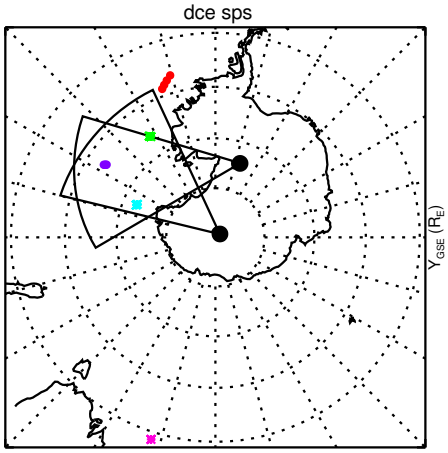


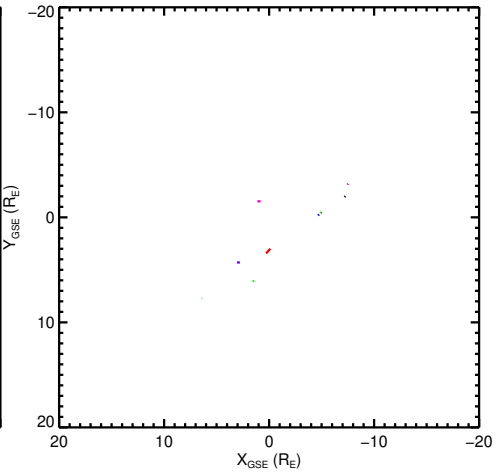


(a) 0000UT to 0015UT
ade bks cve cvw fhe fhw

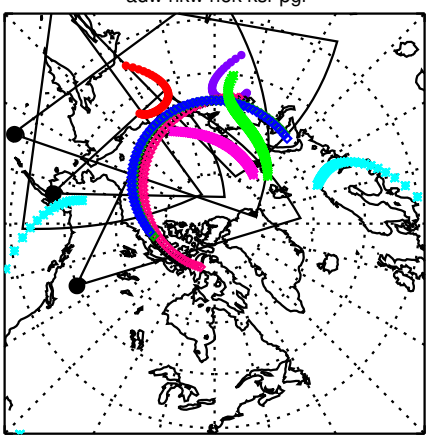


dce sps

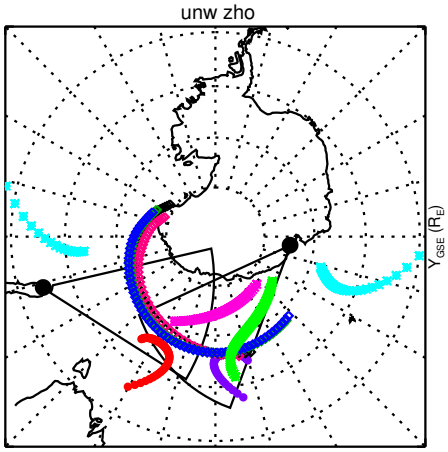


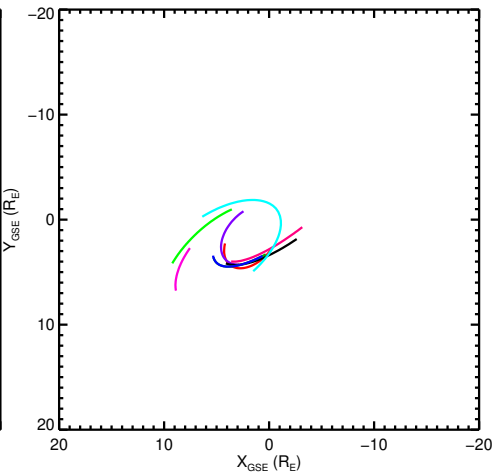


(b) 0400UT to 0915UT
adw hkw hok ksr pgr

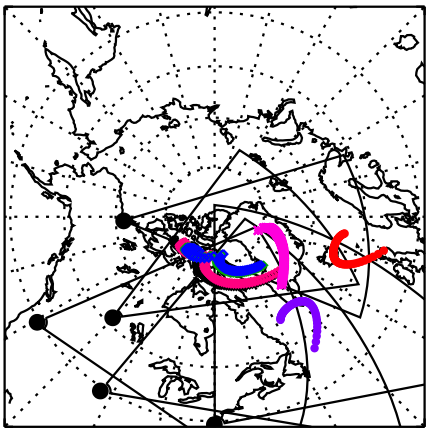


unw zho

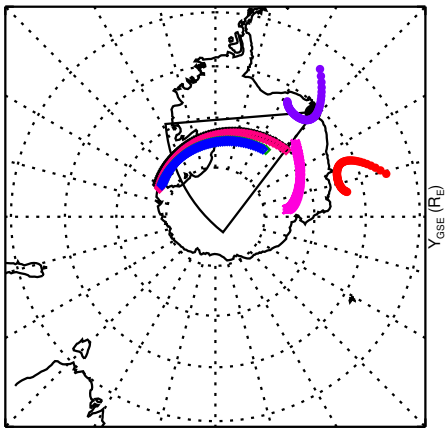


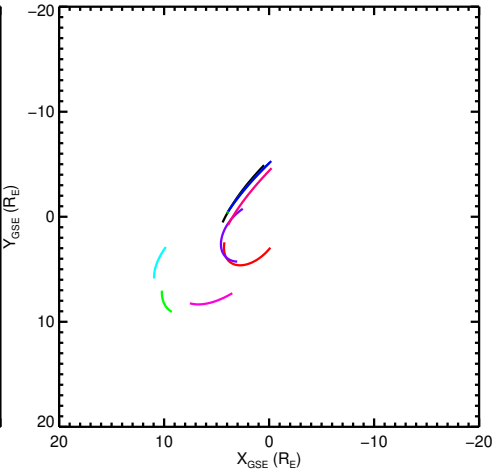


(c) 1305UT to 1810UT
cve fhe inv sas wal

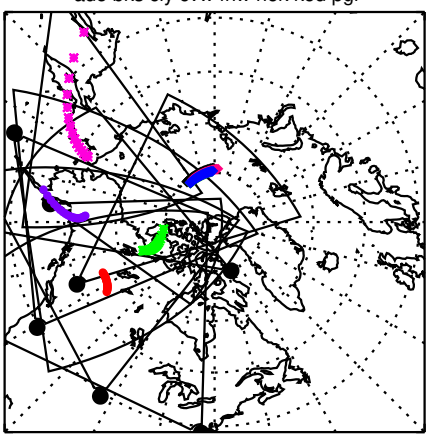


san

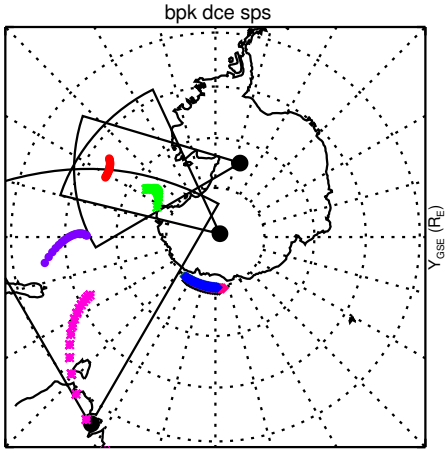


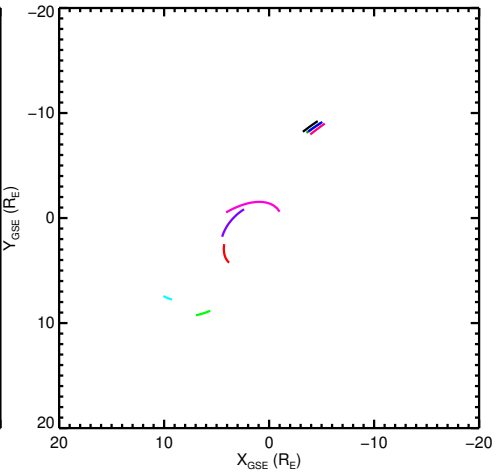


(d) 2205UT to 2355UT
ade bks cly cvw fhw hok kod pgr



bpk dce sps

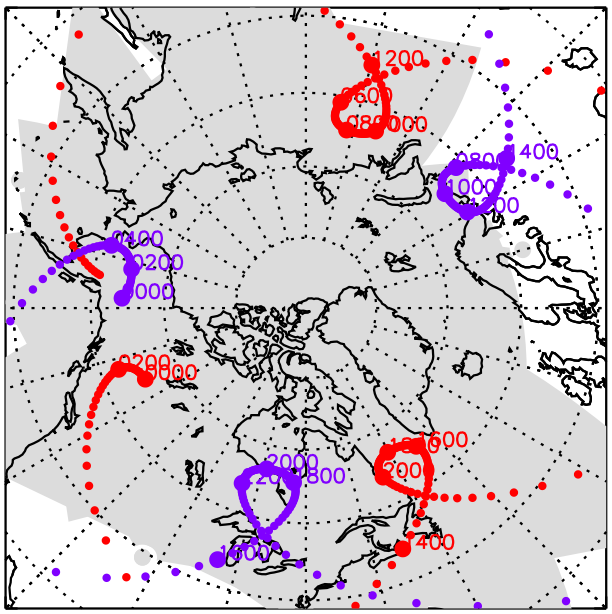


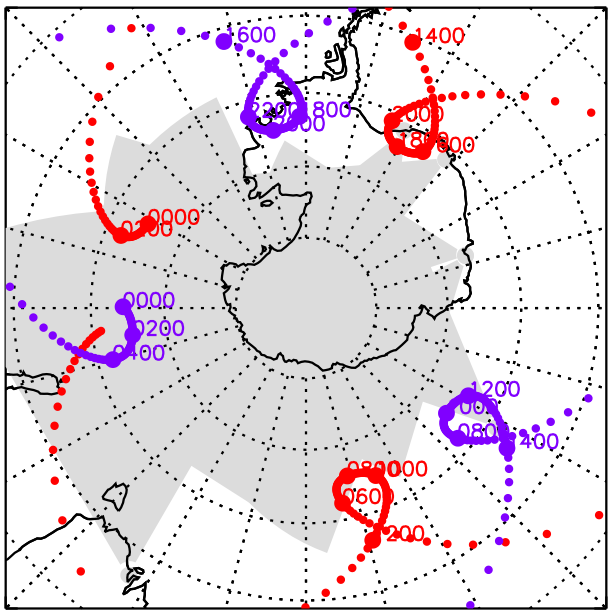


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

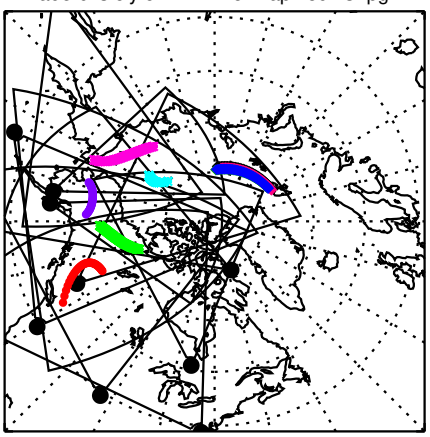
21–Jul–2017

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

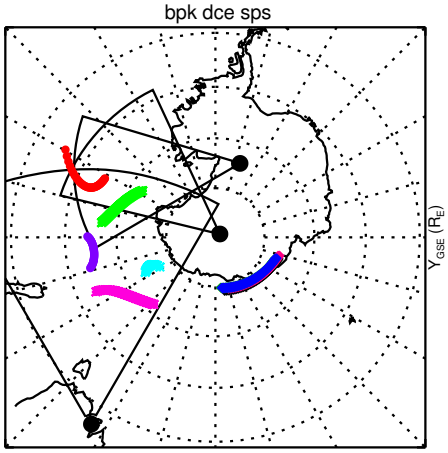


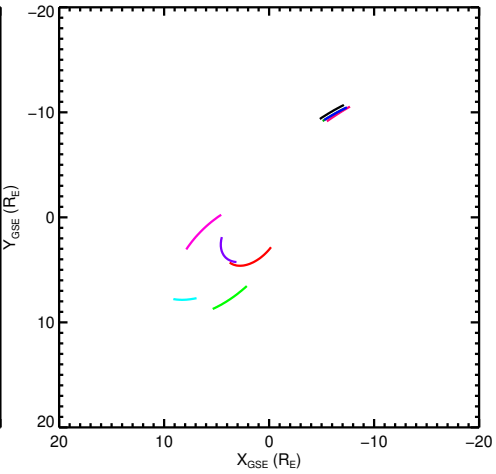


(a) 0000UT to 0310UT
ade bks cly cvw fhw hok kap kod ksr pgr

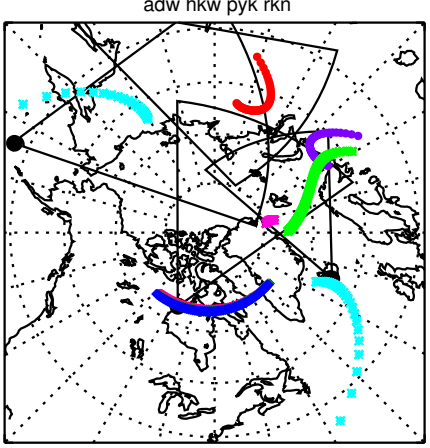


bpk dce sps

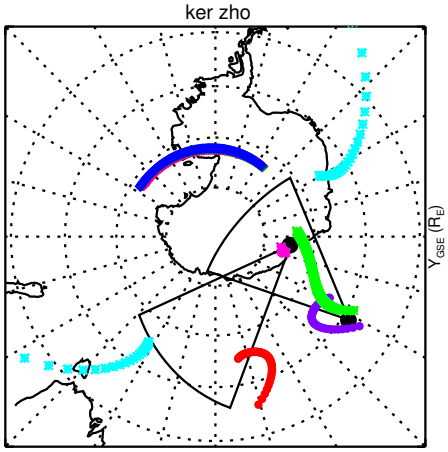


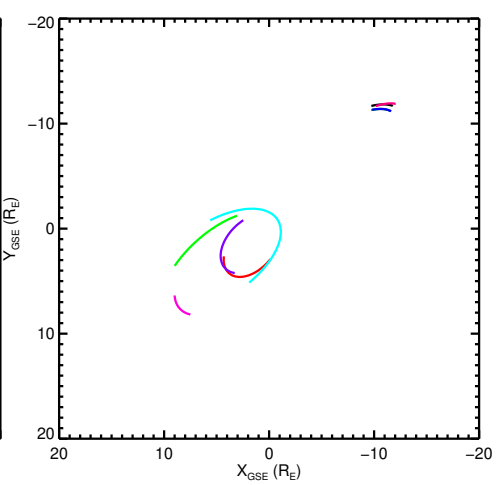


(b) 0710UT to 1205UT
adw hkw pyk rkn

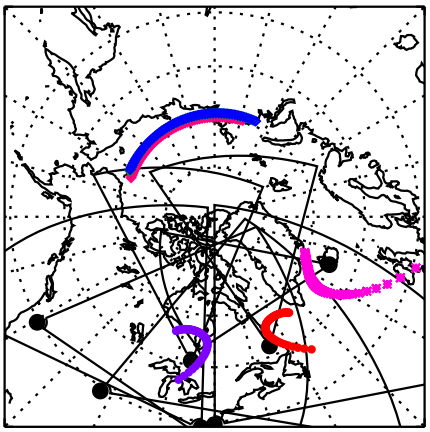


ker zho

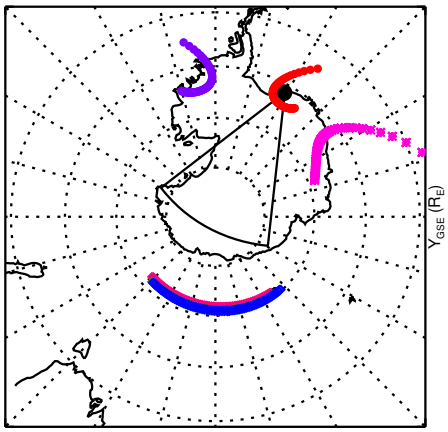


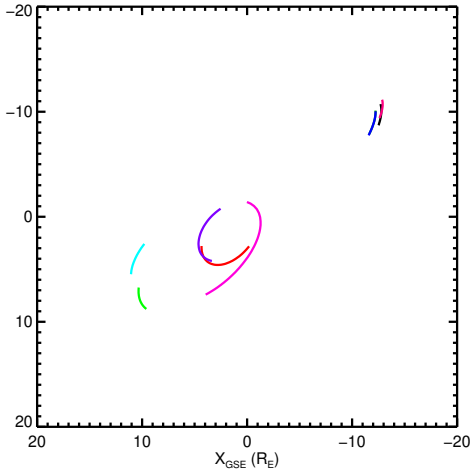


(c) 1615UT to 2105UT
bks cve fhe gbr kap sto wal

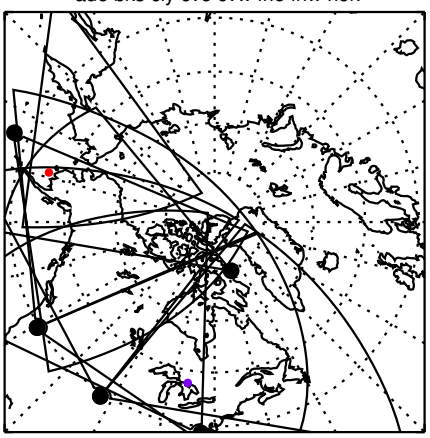


hal

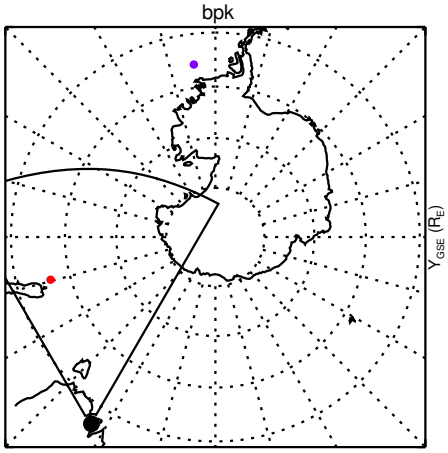


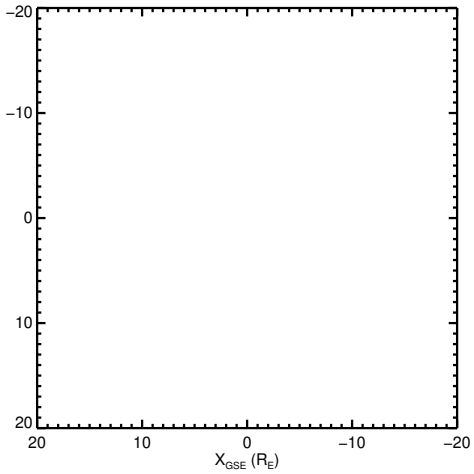


(d) 2310UT to 2310UT
ade bks cly cve cvw fhe fhw hok



bpk

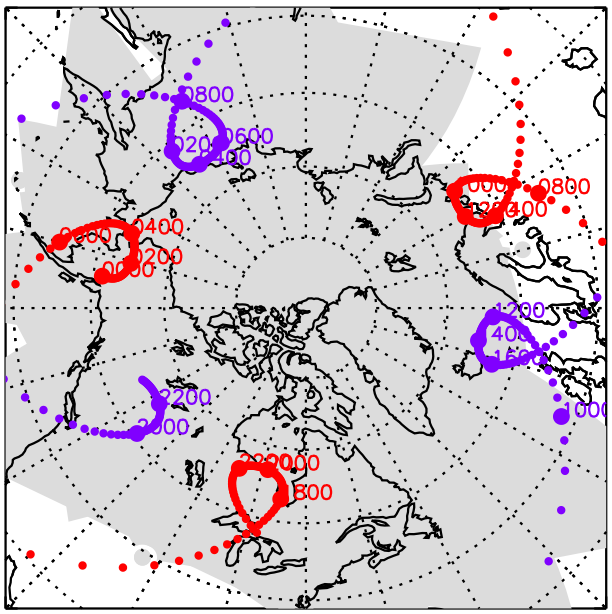


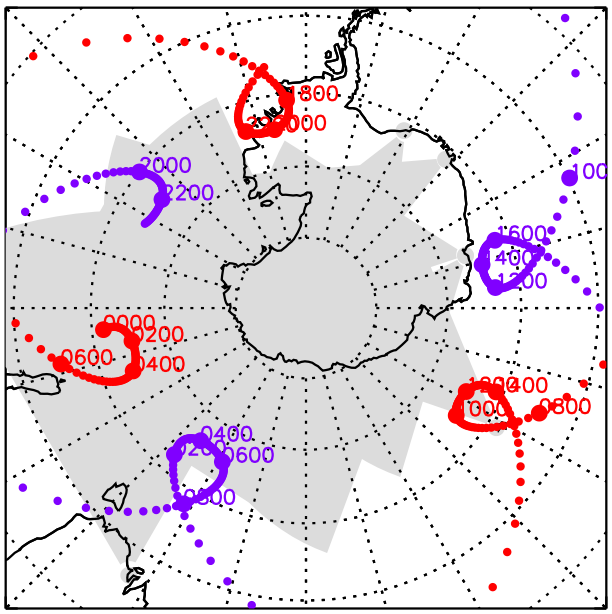


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

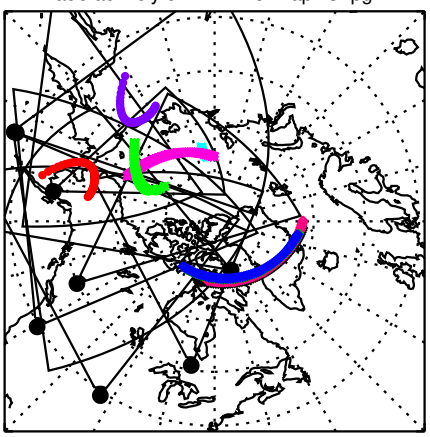
22–Jul–2017

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

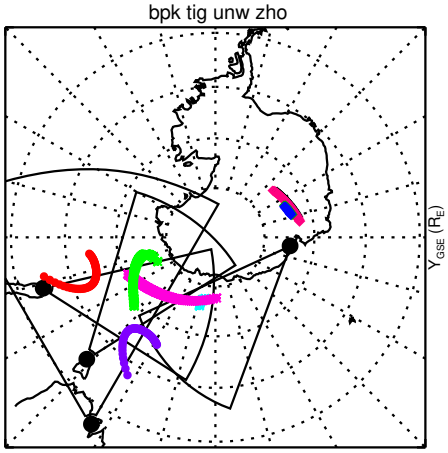


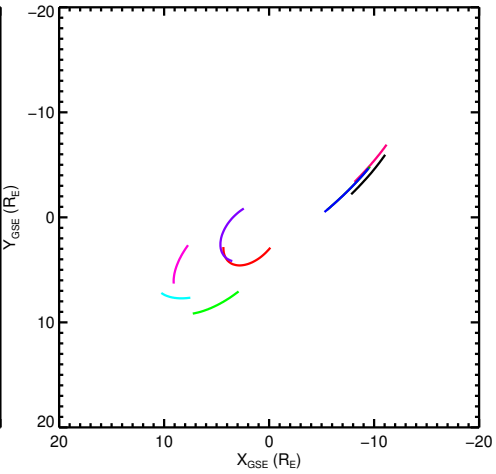


(a) 0115UT to 0600UT
ade adw cly cvw fhw hok kap ksr pgr

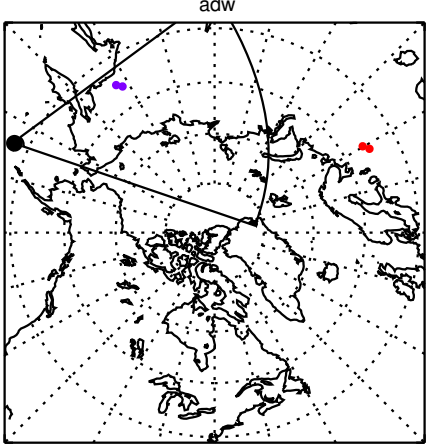


bpk tig unw zho

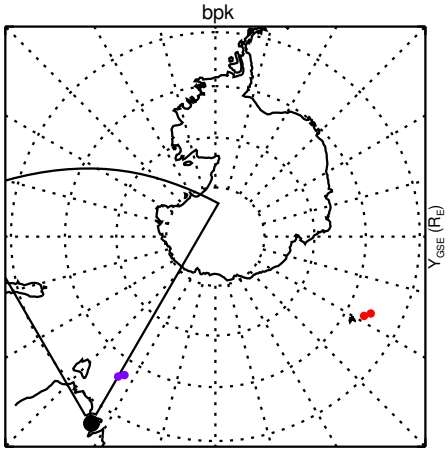


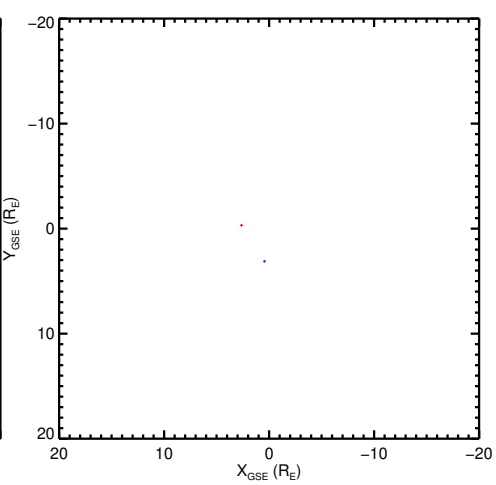


(b) 0805UT to 0810UT
adw



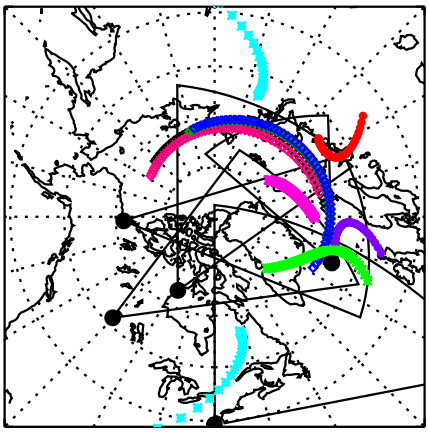
bpk

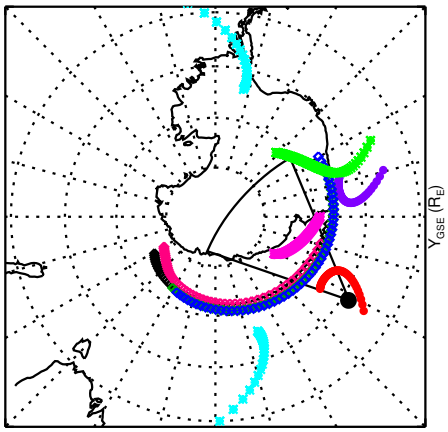


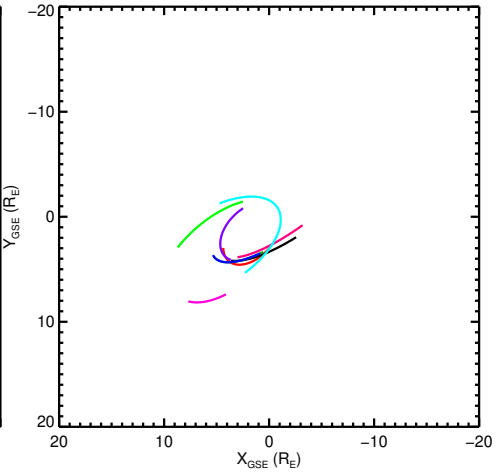


(c) 1020UT to 1455UT
inv pyk rkn sas wal

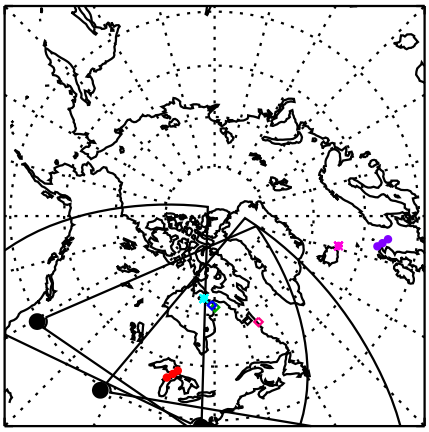
ker

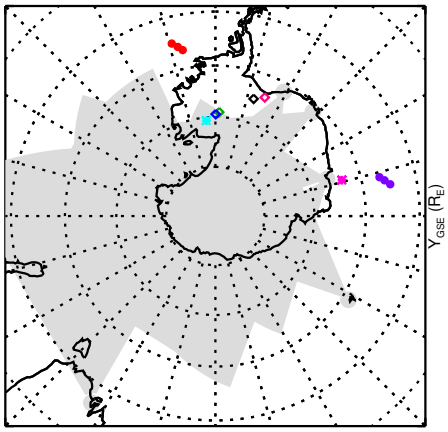


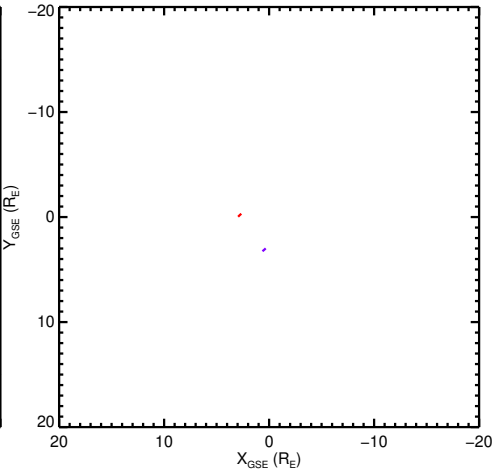




(d) 1705UT to 1715UT
bks cve fhe

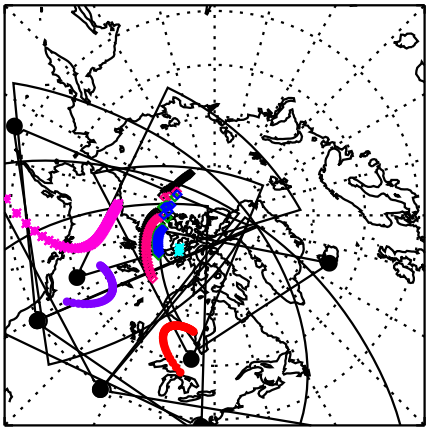


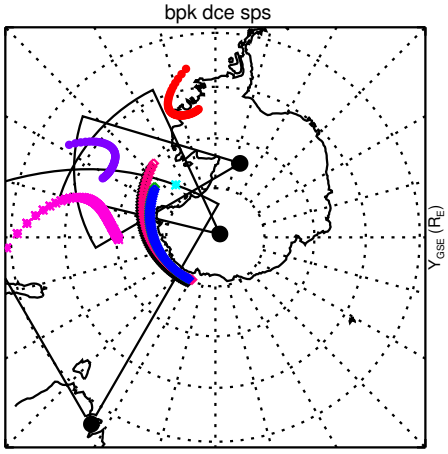


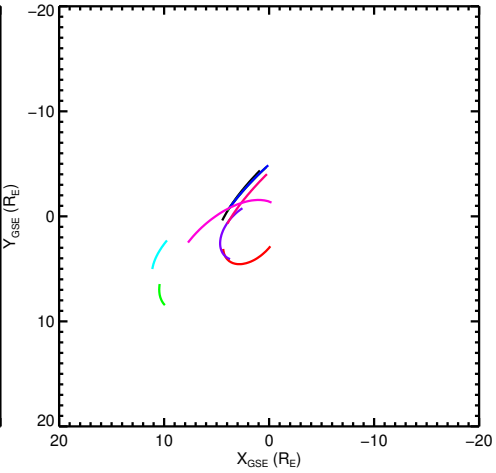


(e) 1925UT to 2355UT
ade bks cve cvw fhe fhw kap pgr sto

bpk dce sps



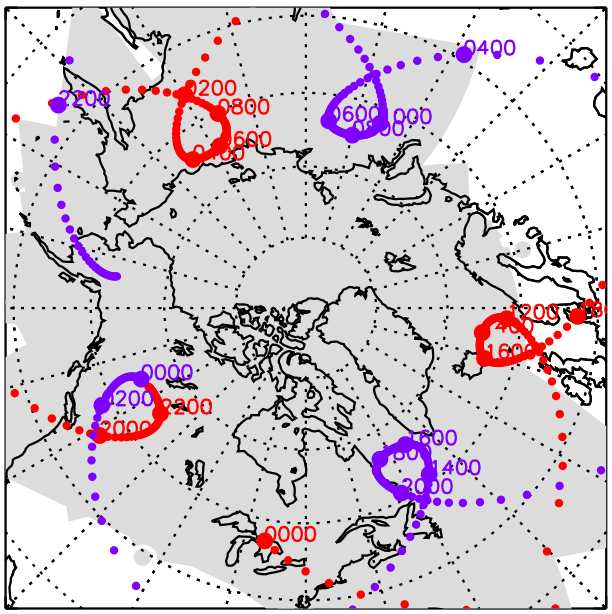


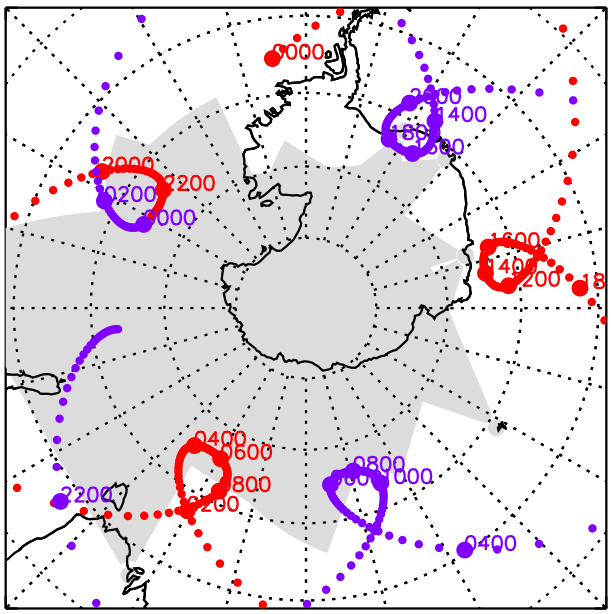


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

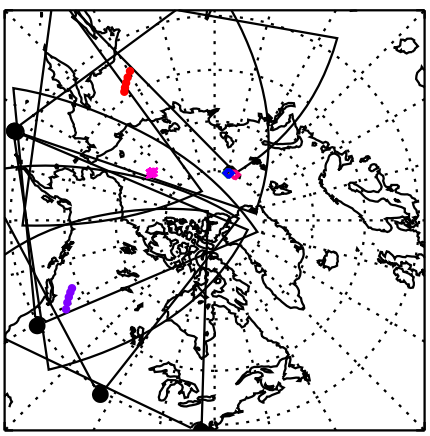
23–Jul–2017

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

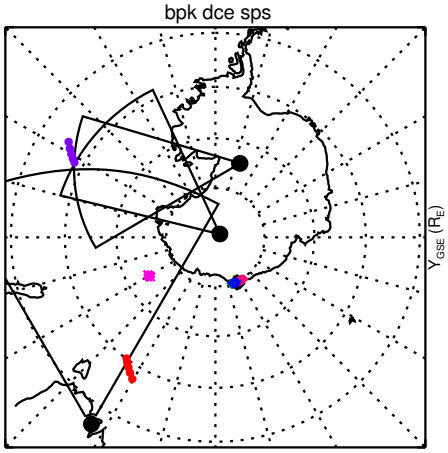


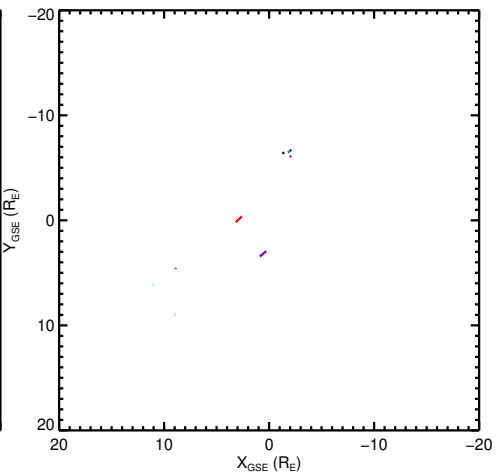


(a) 0200UT to 0220UT
ade adw bks cvw fhw hkw hok

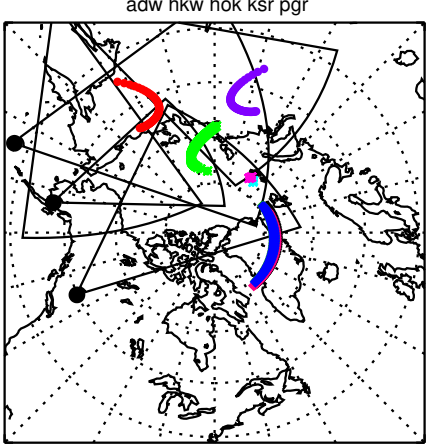


bpk dce sps

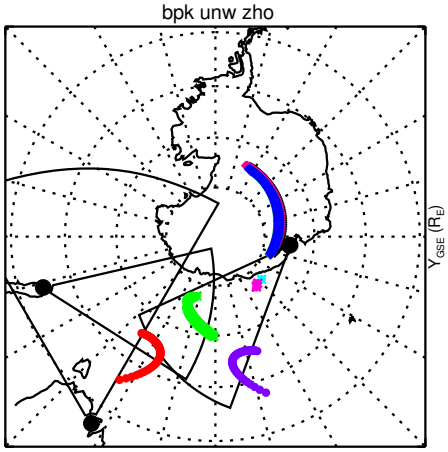


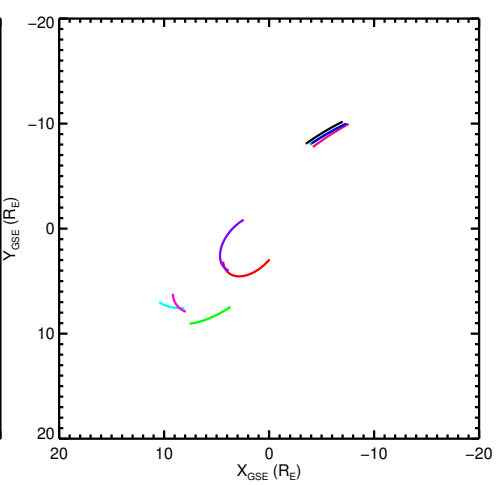


(b) 0425UT to 0850UT
adw hkw hok ksr pgr

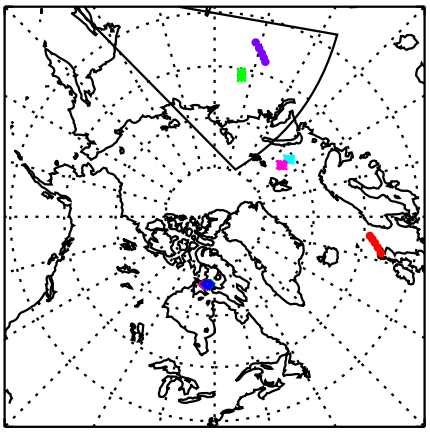


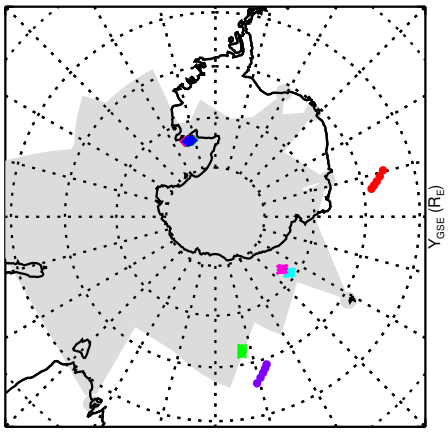
bpk unw zho

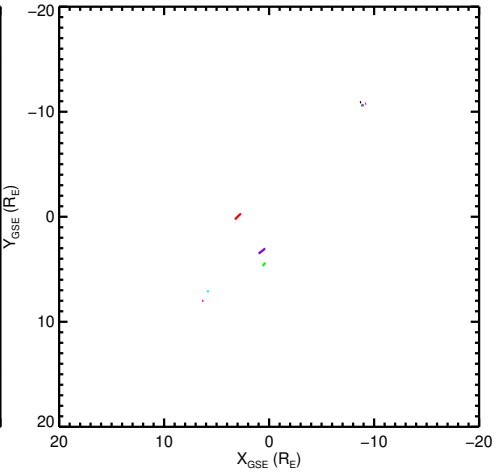




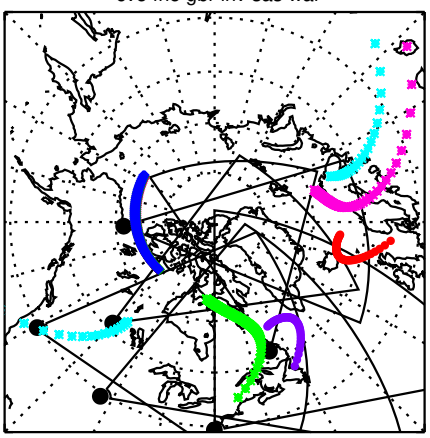
(c) 1100UT to 1120UT
hkw



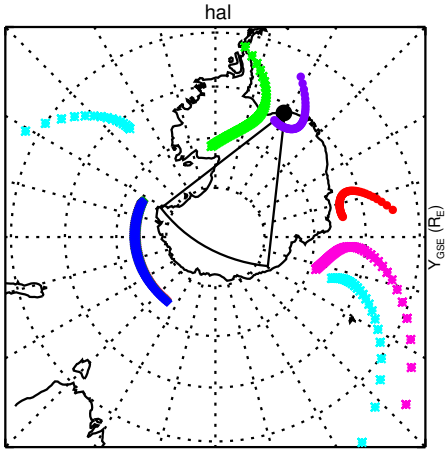


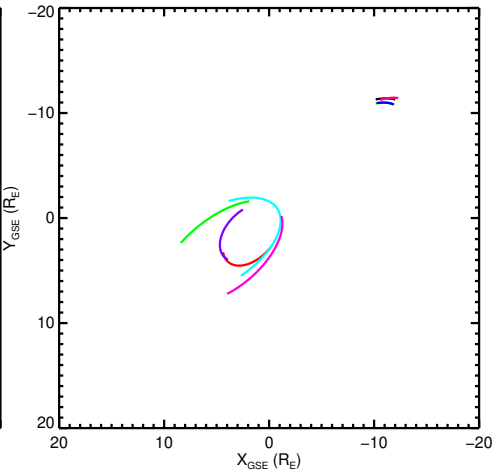


(d) 1330UT to 1750UT
cve fhe gbr inv sas wal

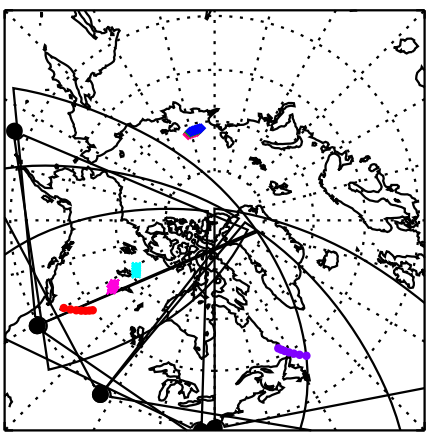


hal

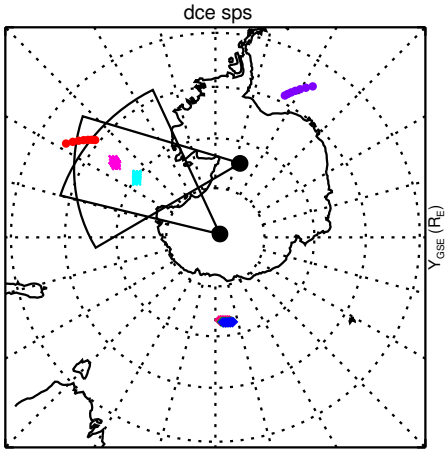


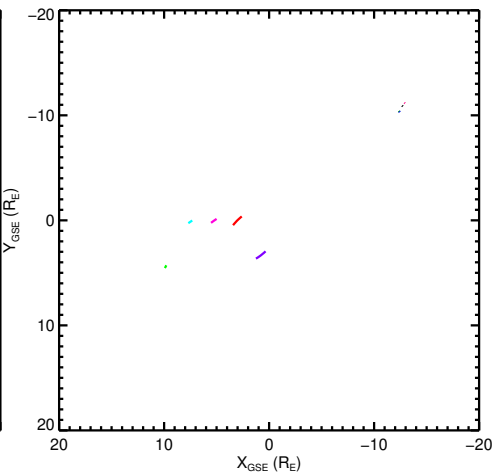


(e) 1955UT to 2025UT
ade bks cve cvw fhe fhw wal

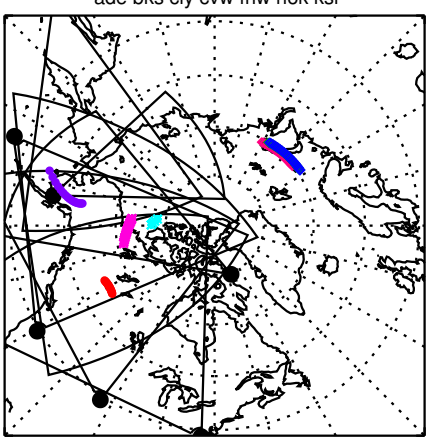


dce sps

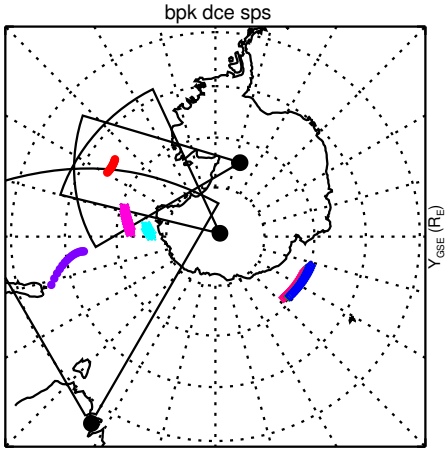


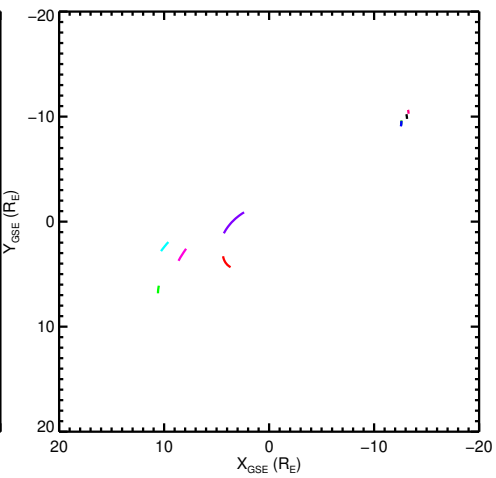


(f) 2230UT to 2355UT
ade bks cly cvw fhw hok ksr



bpk dce sps

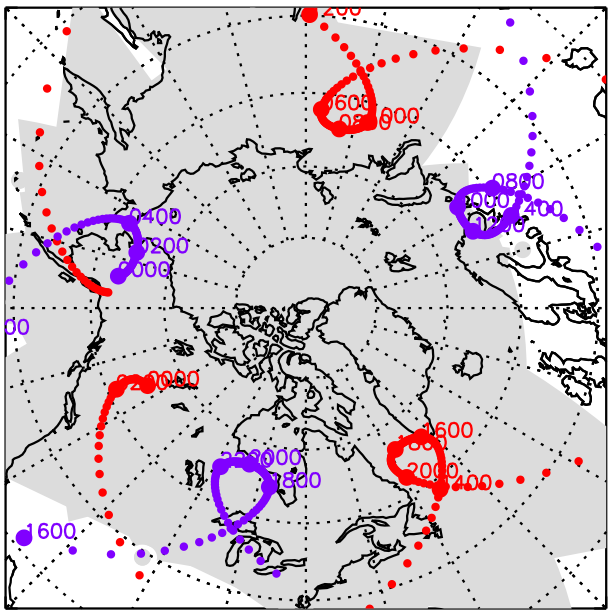


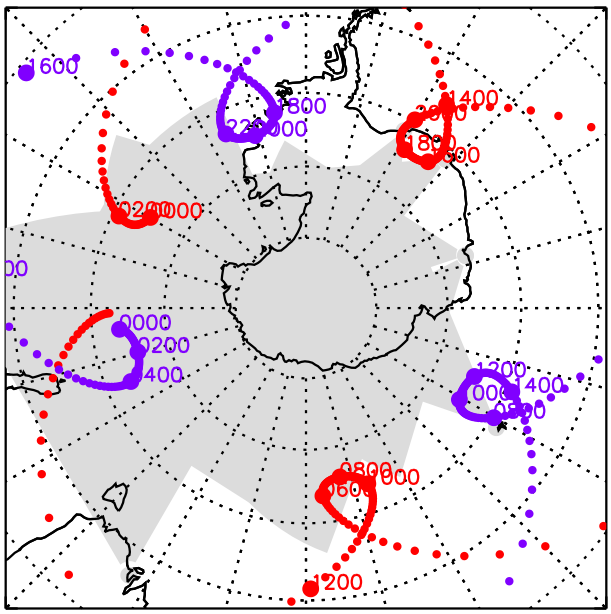


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

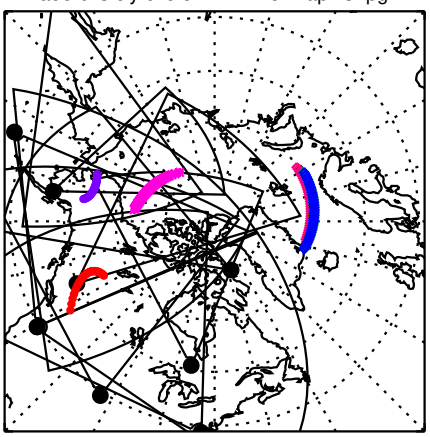
24–Jul–2017

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

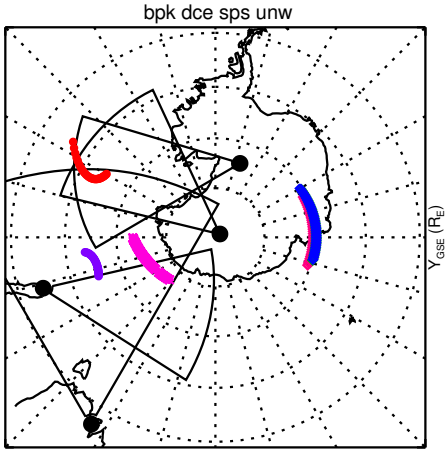


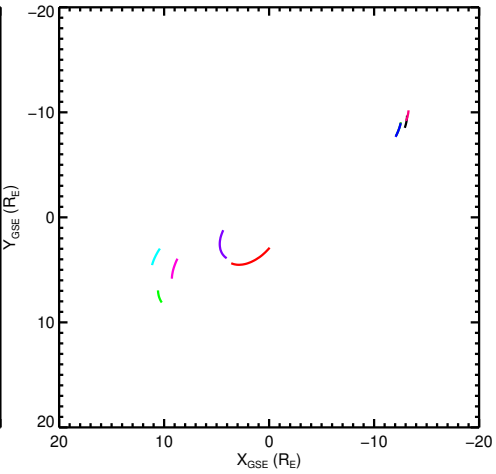


(a) 0000UT to 0245UT
ade bks cly cve cvw fhw hok kap ksr pgr

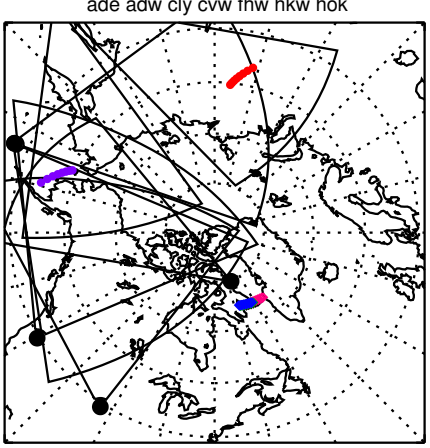


bpk dce sps unw

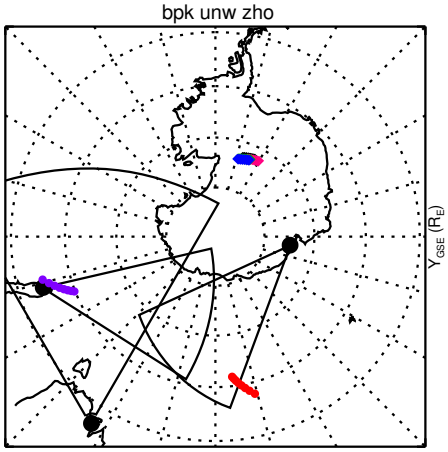


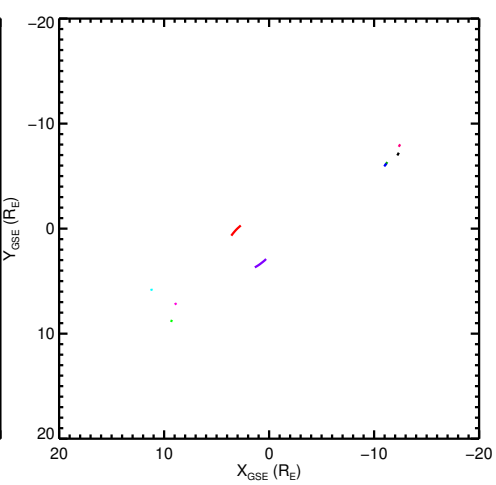


(b) 0455UT to 0530UT
ade adw cly cvw fhw hkw hok

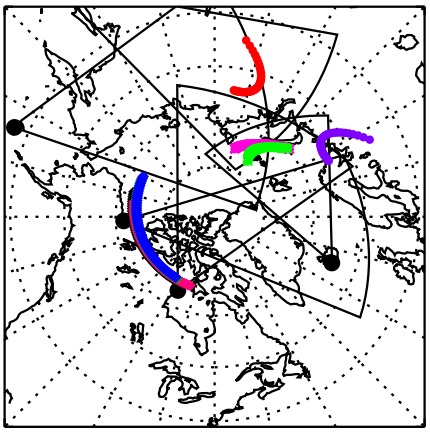


bpk unw zho

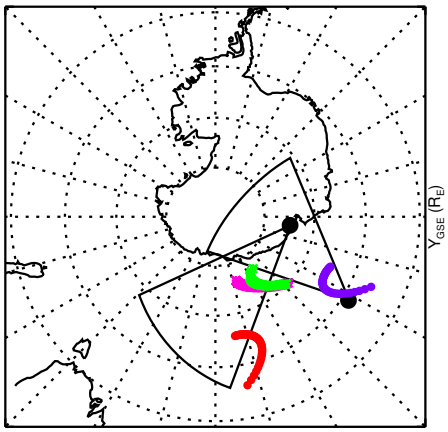


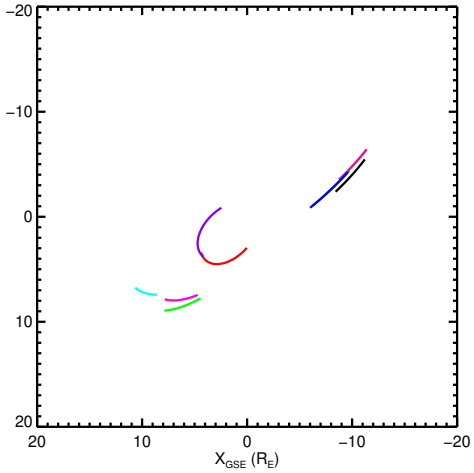


(c) 0735UT to 1140UT
adw hkw inv pyk rkn

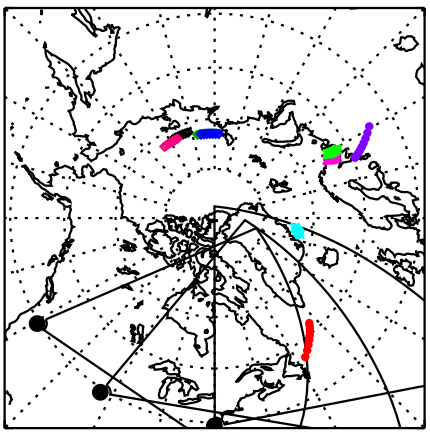


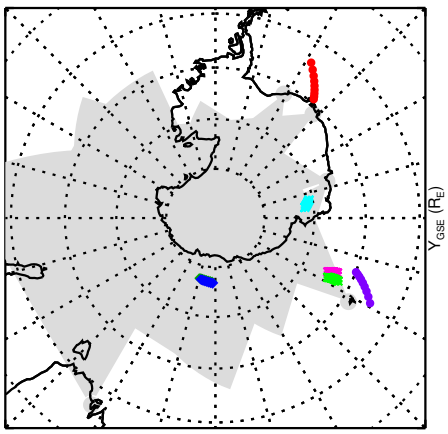
ker zho

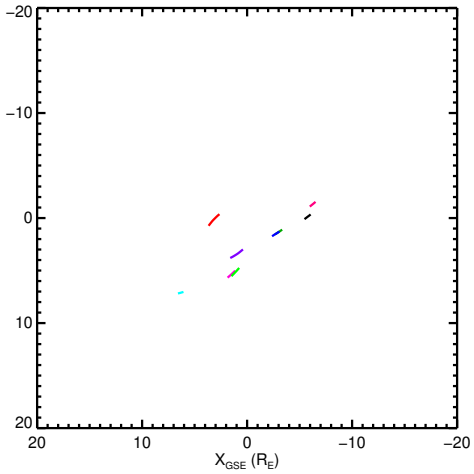




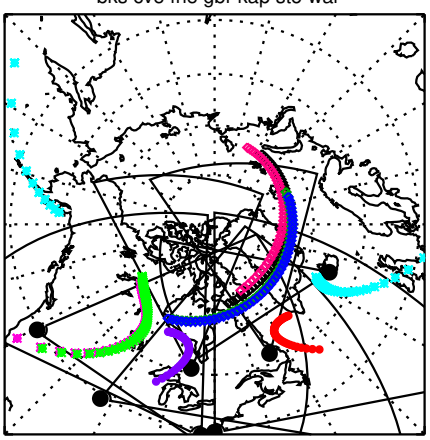
(d) 1350UT to 1430UT
cve fhe wal



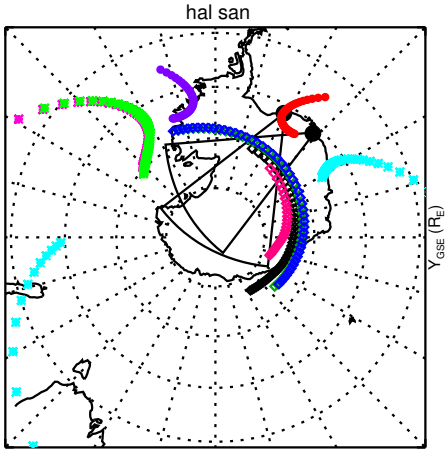


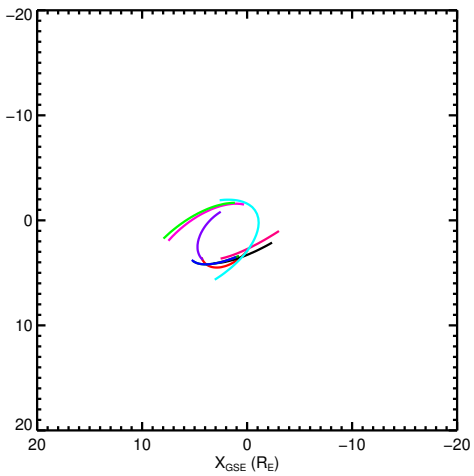


(e) 1640UT to 2040UT
bks cve fhe gbr kap sto wal

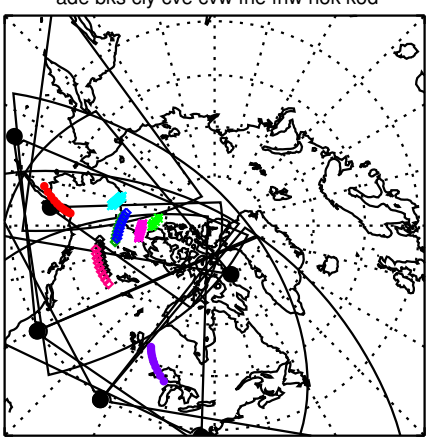


hal san

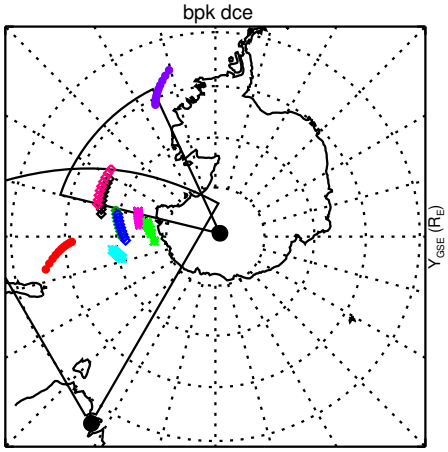


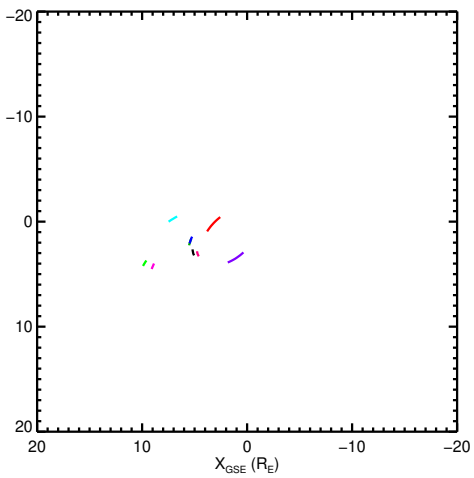


(f) 2245UT to 2335UT
ade bks cly cve cvw fhe fhw hok kod



bpk dce

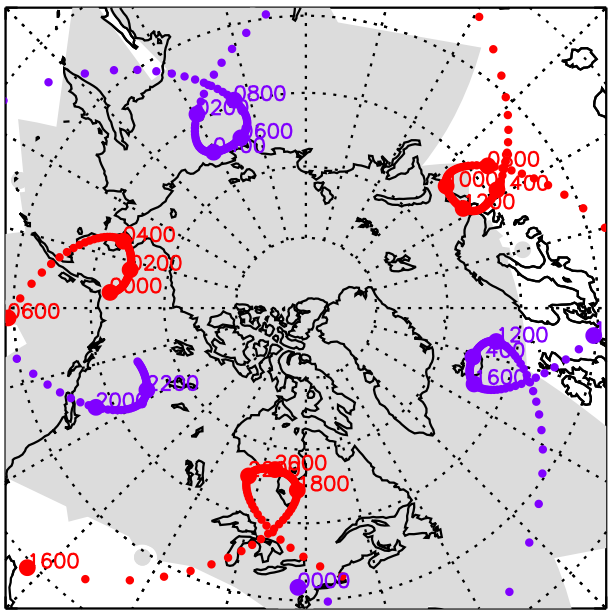


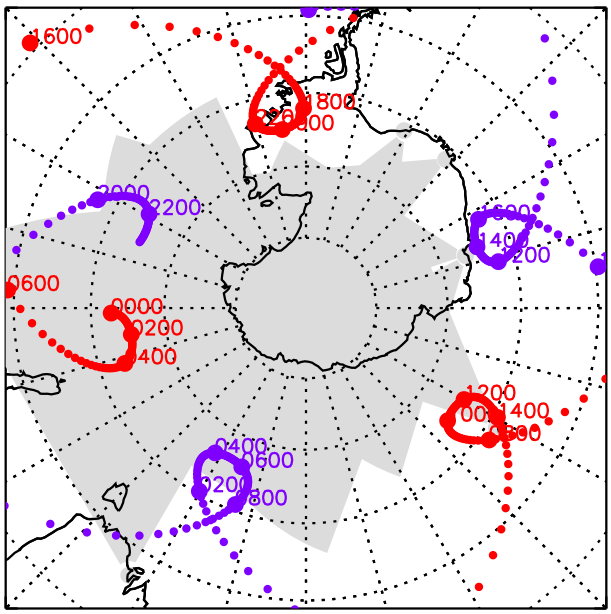


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

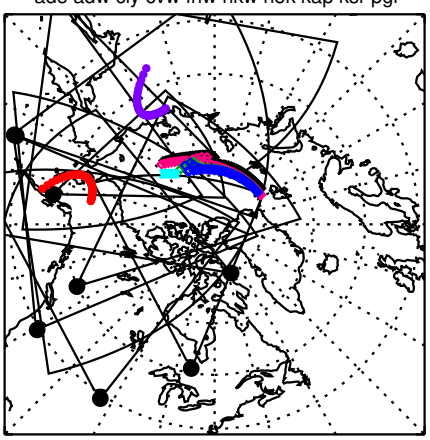
25–Jul–2017

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

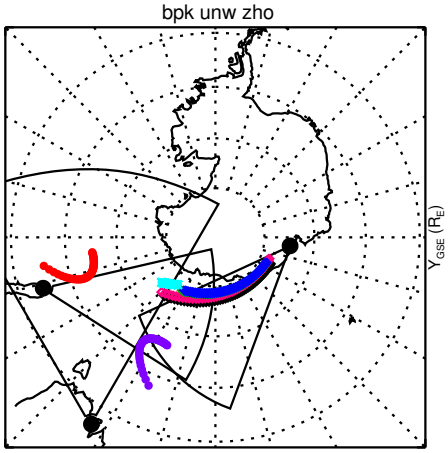


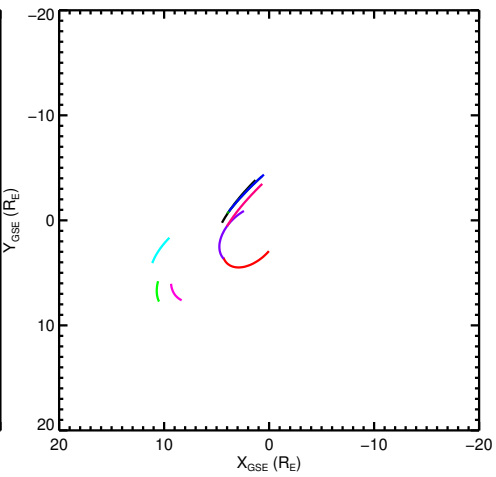


(a) 0140UT to 0535UT
ade adw cly cvw fhw hkw hok kap ksr pgr

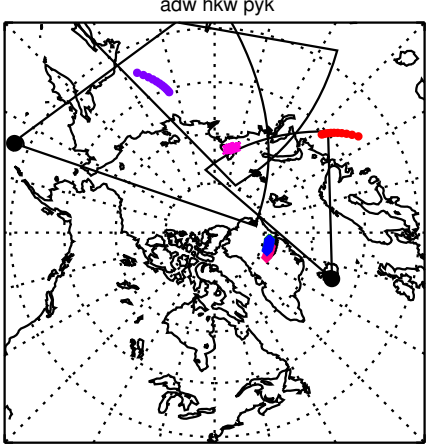


bpk unw zho

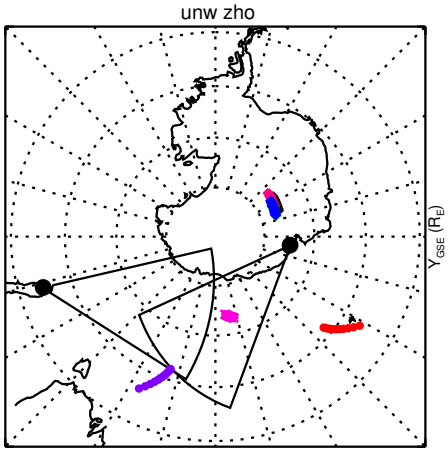


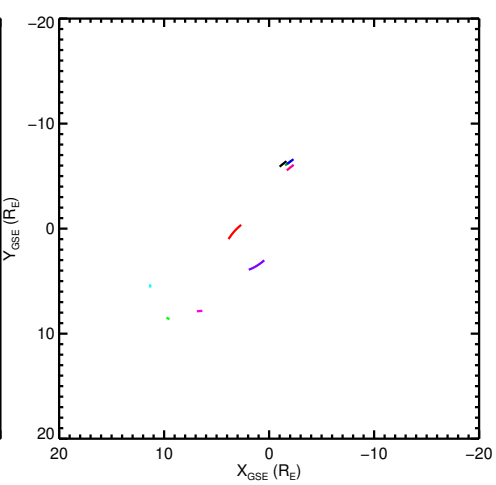


(b) 0745UT to 0835UT
adw hkw pyk



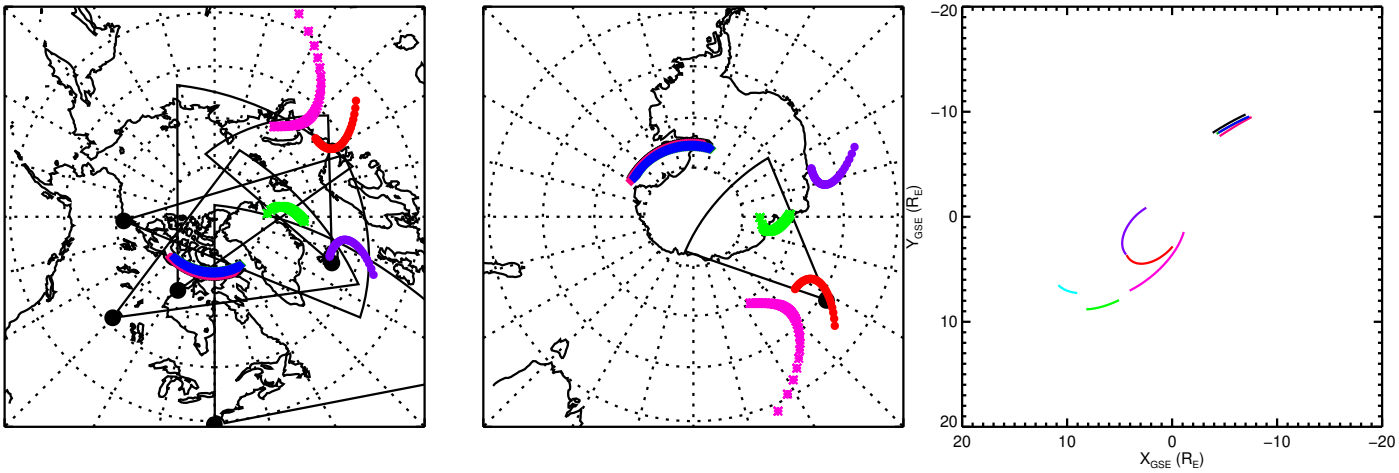
unw zho



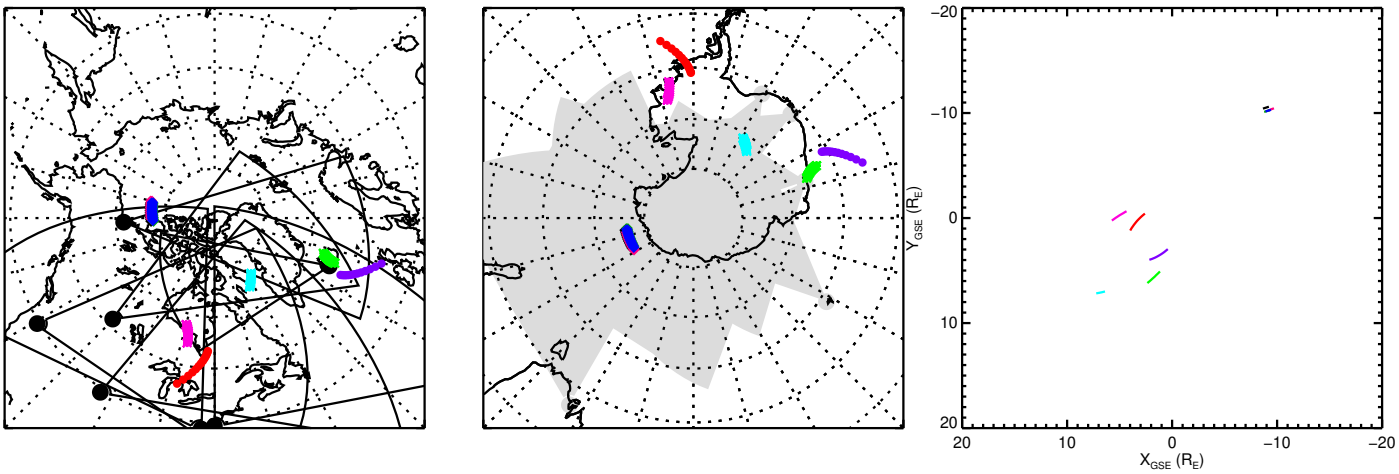


(c) 1045UT to 1435UT
inv pyk rkn sas wal

ker

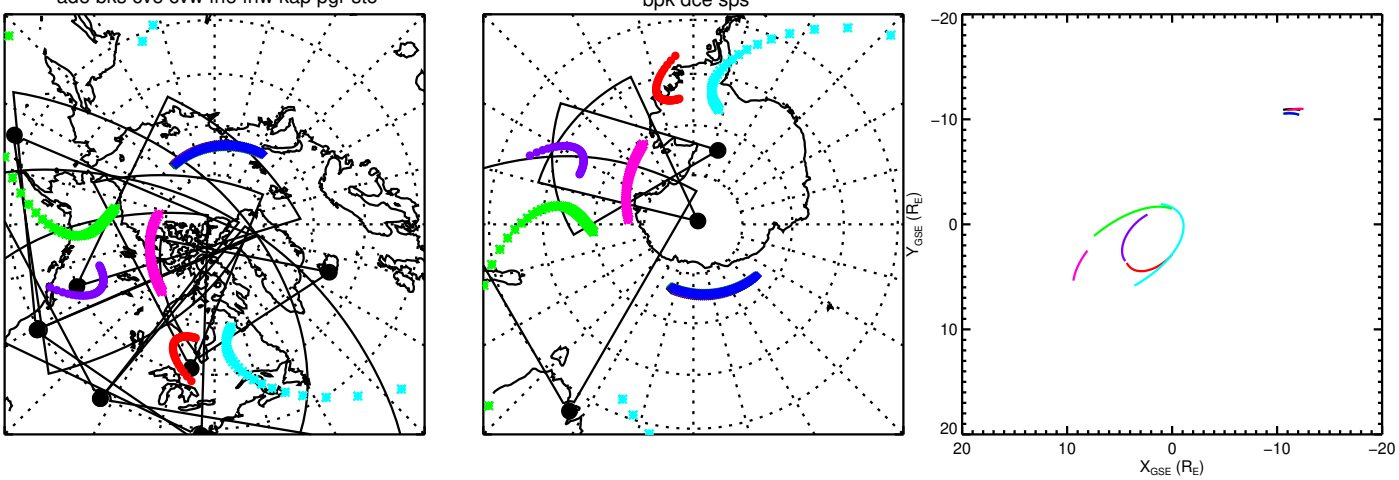


(d) 1640UT to 1740UT
bks cve fhe inv sas sto wal



(e) 1945UT to 2330UT
ade bks cve cvw fhe fhw kap pgr sto

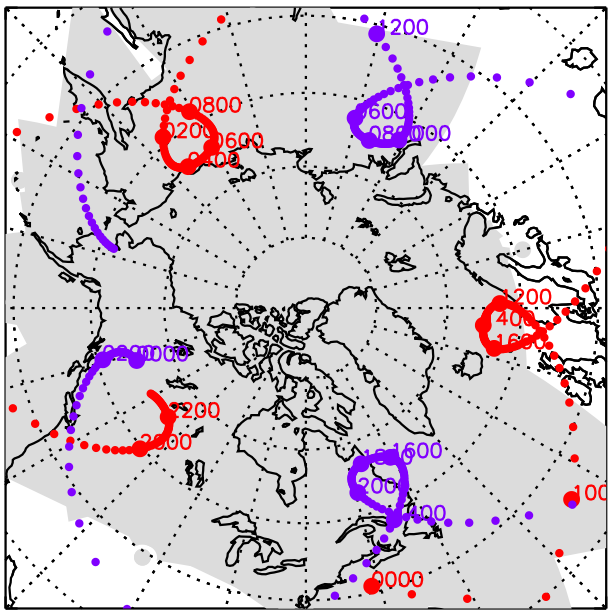
bpk dce sps

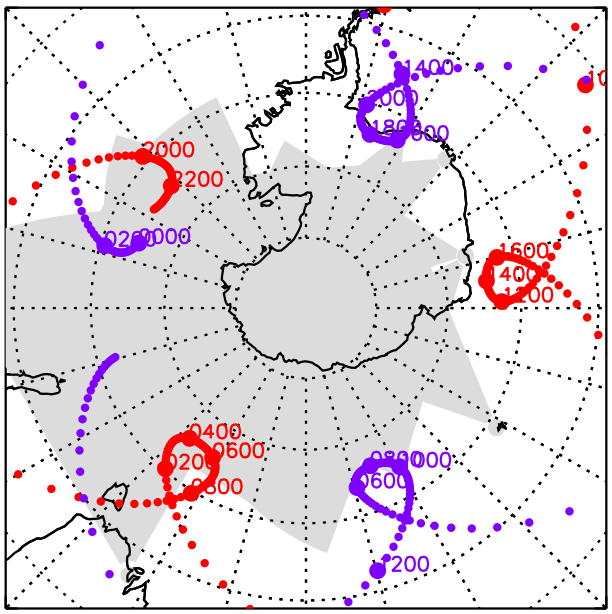


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

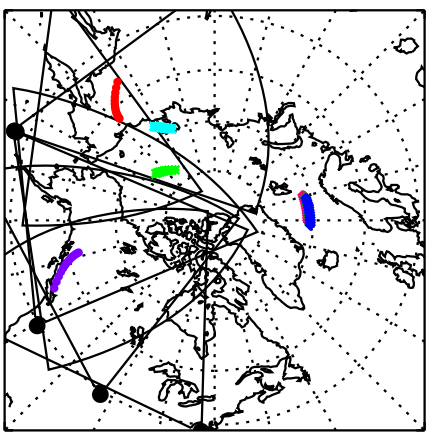
26–Jul–2017

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

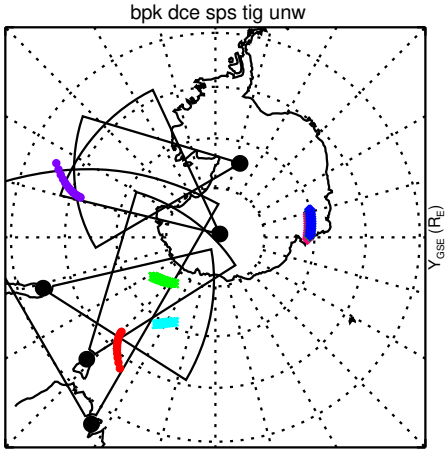


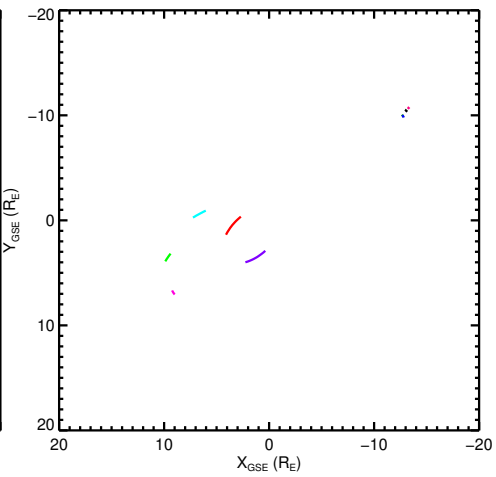


(a) 0140UT to 0245UT
ade adw bks cvw fhw hok

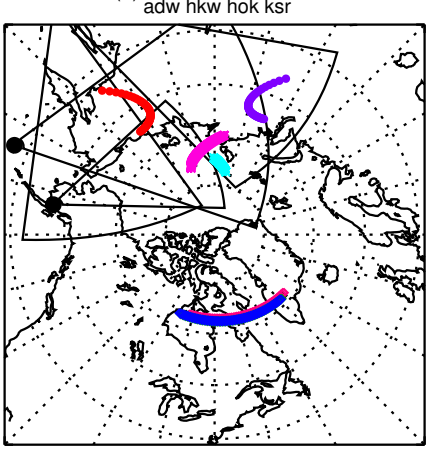


bpk dce sps tig unw

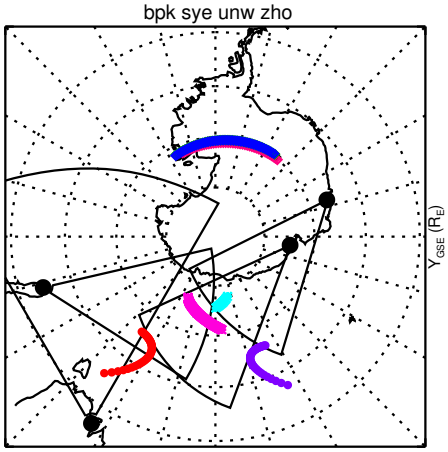


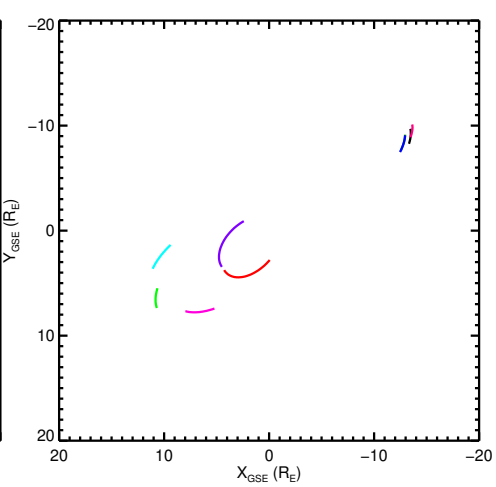


(b) 0450UT to 0830UT
adw hkw hok ksr

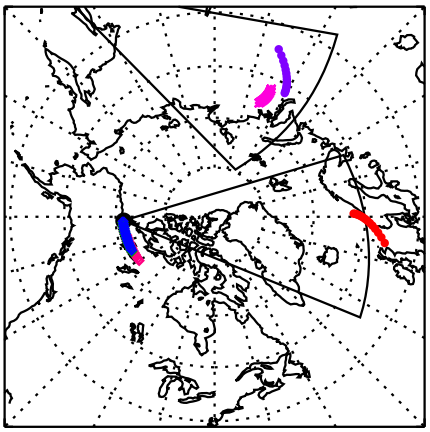


bpk sye unw zho

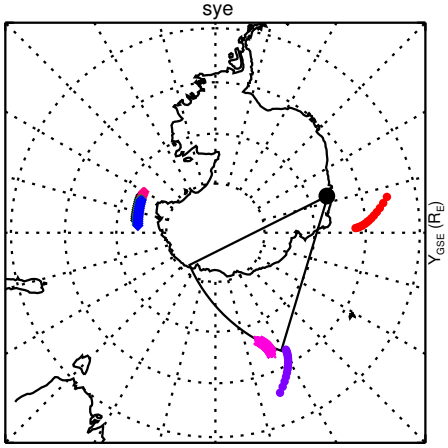


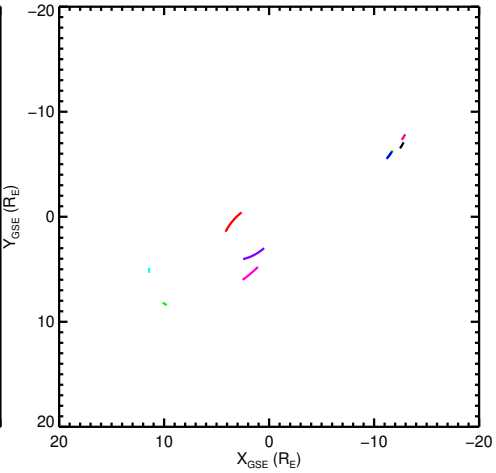


(c) 1035UT to 1145UT
hkw inv

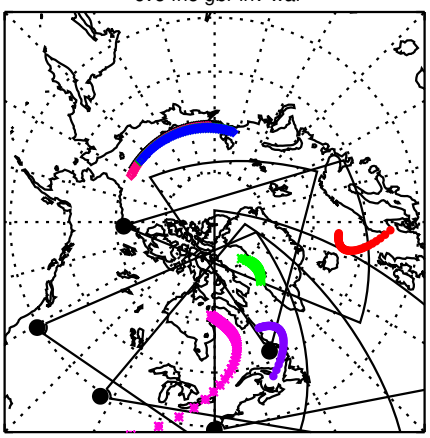


sye

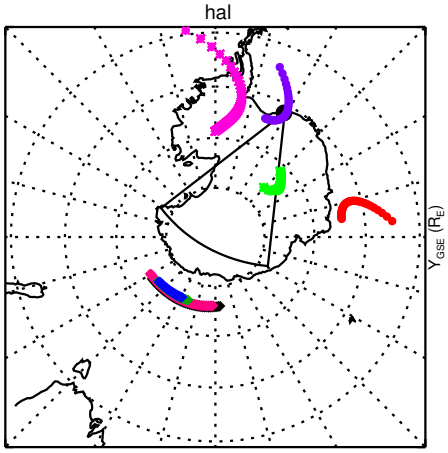


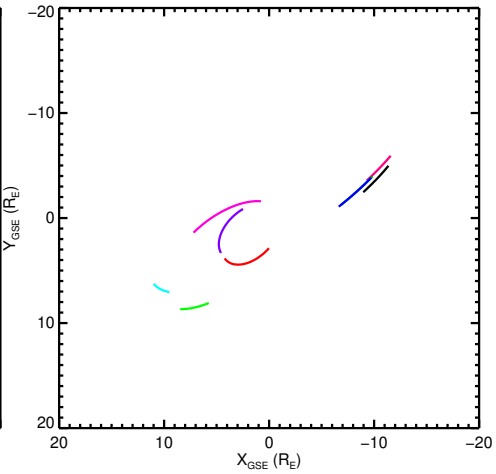


(d) 1355UT to 1725UT
cve fhe gbr inv wal

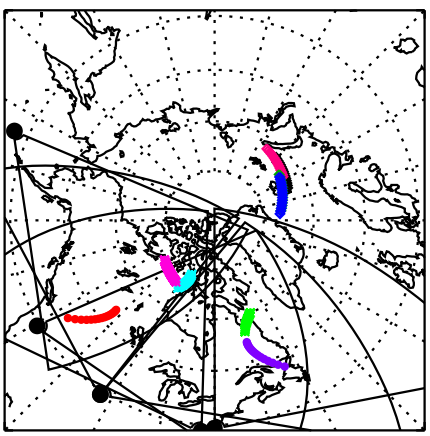


hal

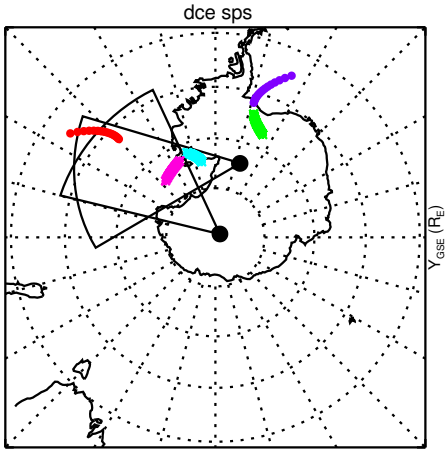


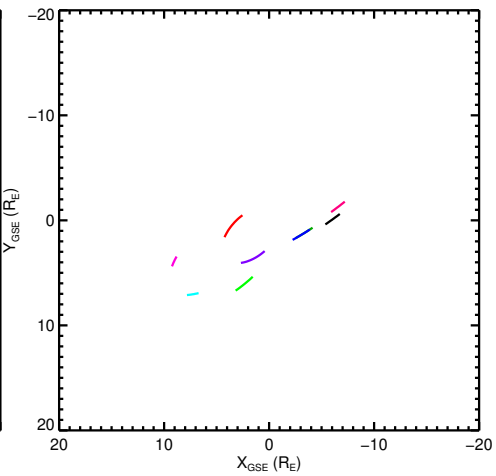


(e) 1930UT to 2050UT
ade bks cve fhe fhw wal

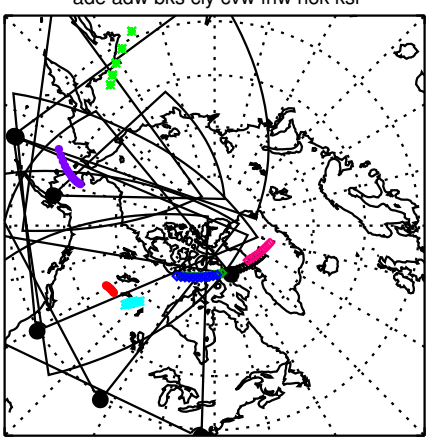


dce sps

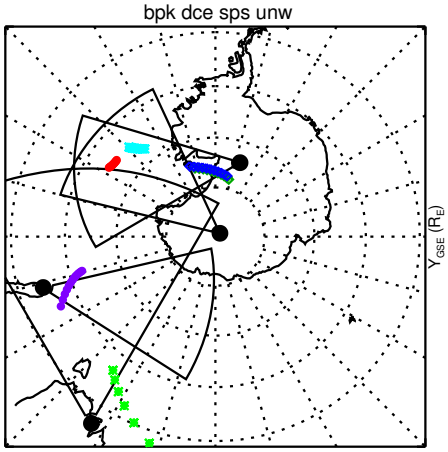


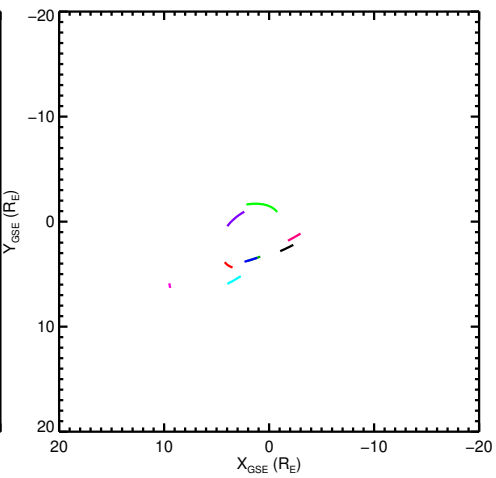


(f) 2255UT to 2355UT
ade adw bks cly cvw fhw hok ksr



bpk dce sps unw

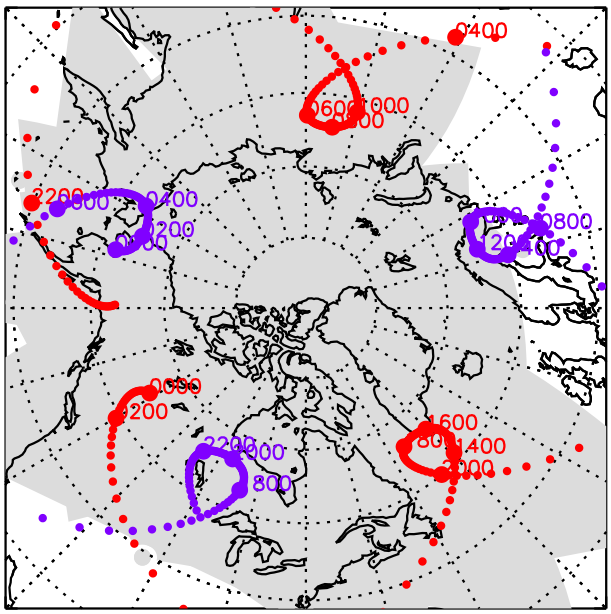


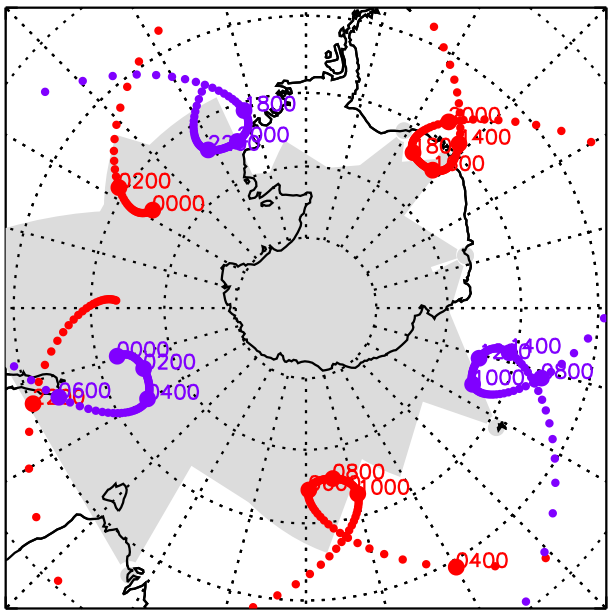


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

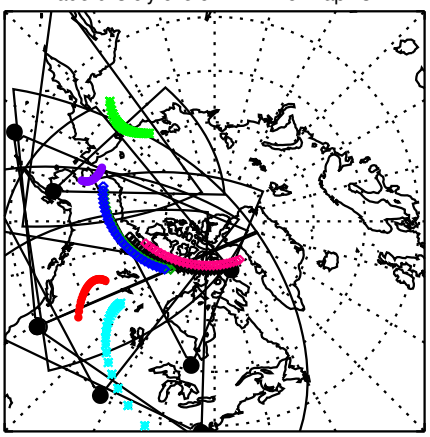
27–Jul–2017

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

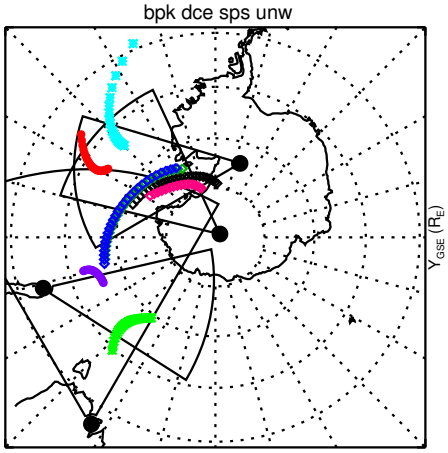


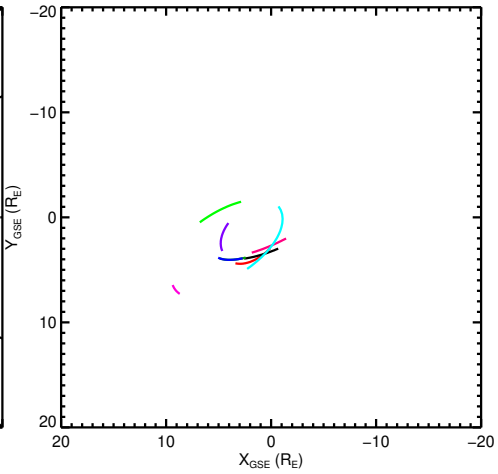


(a) 0000UT to 0220UT
ade bks cly cve cvw fhw hok kap ksr

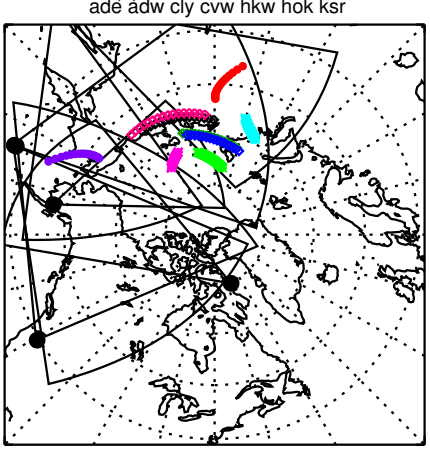


bpk dce sps unw

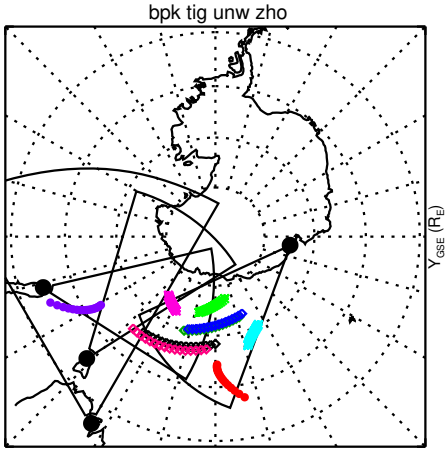


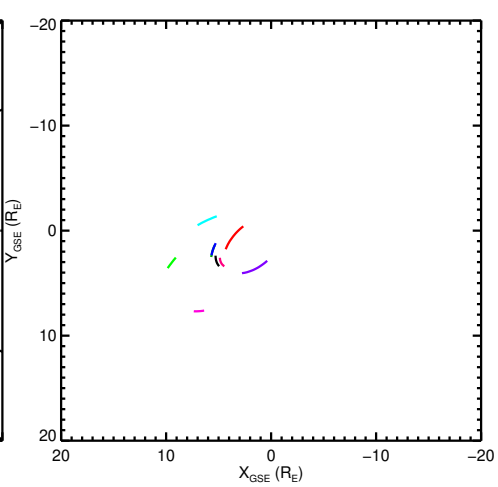


(b) 0430UT to 0555UT
ade adw cly cvw hkw hok ksr

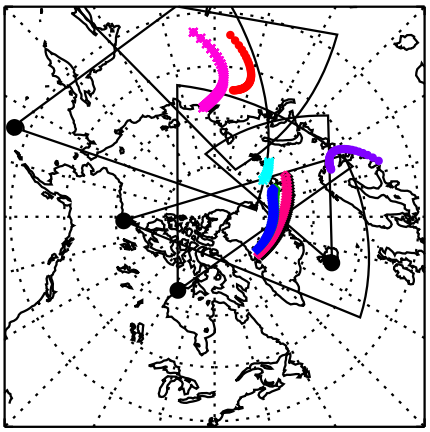


bpk tig unw zho

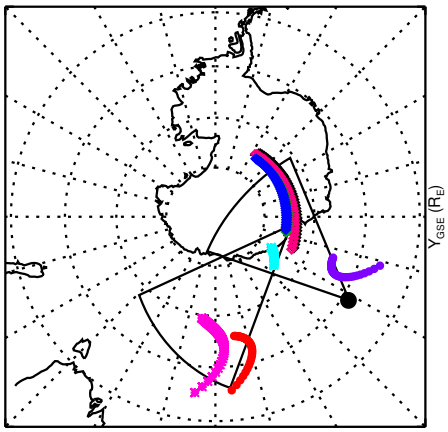


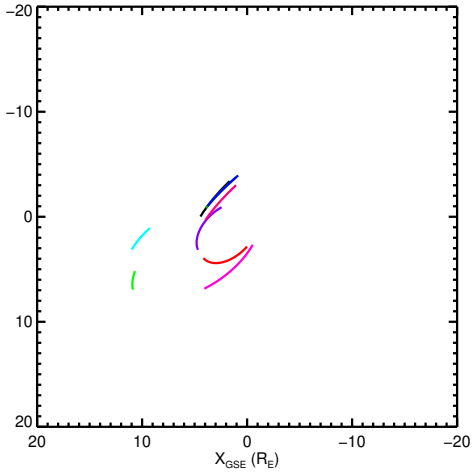


(c) 0800UT to 1120UT
adw hkw inv pyk rkn

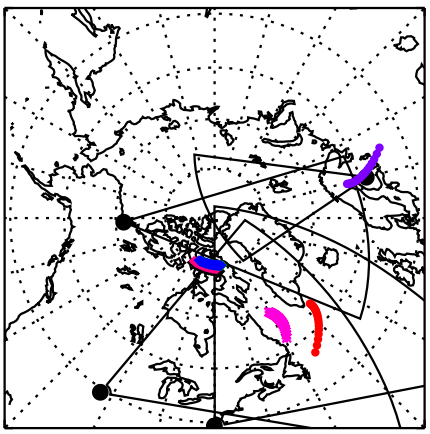


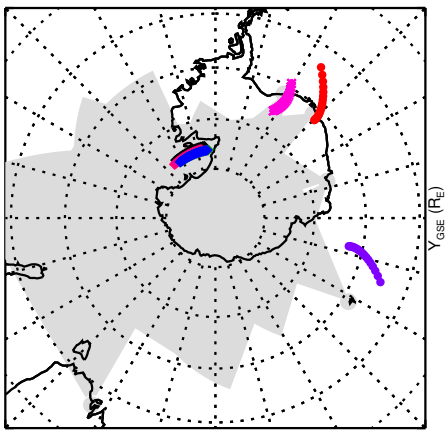
ker zho

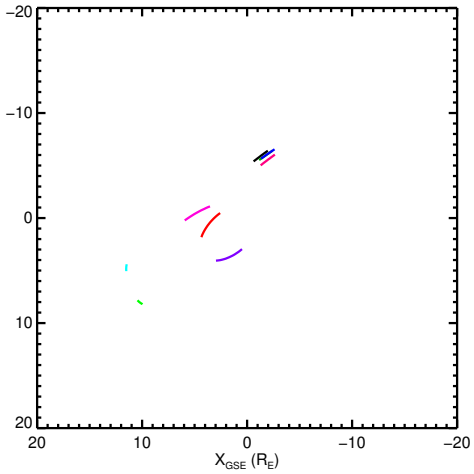




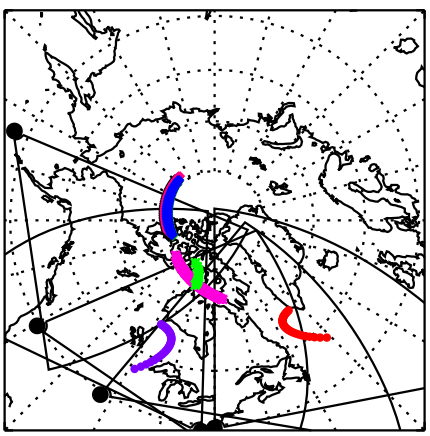
(d) 1325UT to 1455UT
fhe han inv wal



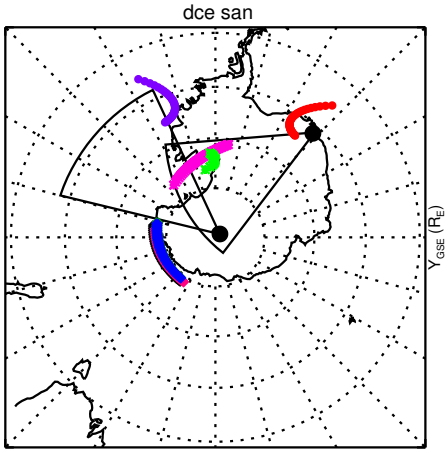


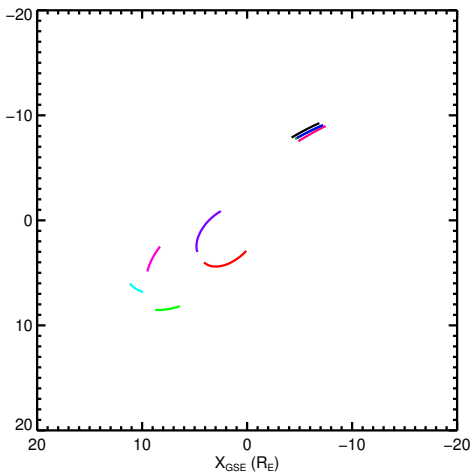


(e) 1705UT to 2015UT
ade bks cve fhe wal

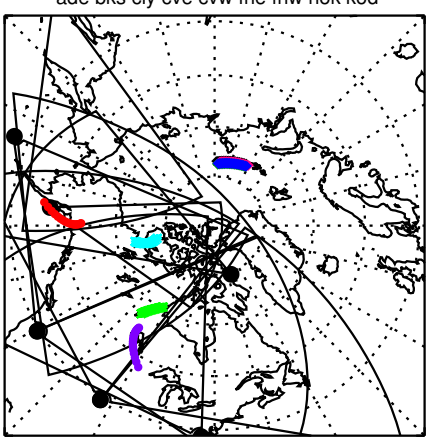


dce san

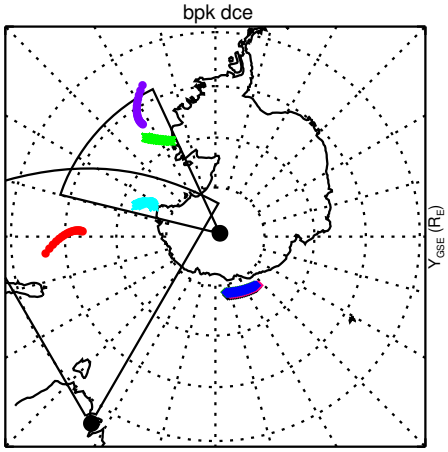


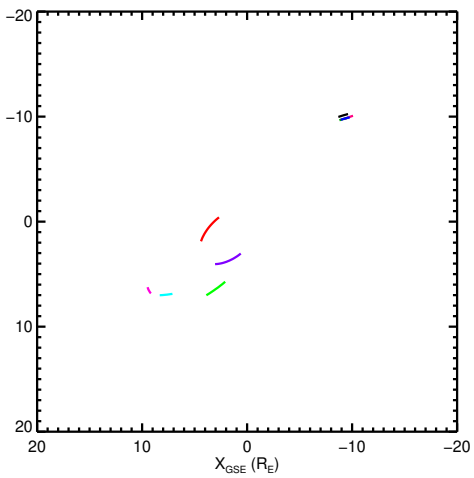


(f) 2225UT to 2355UT
ade bks cly cve cvw fhe fhw hok kod



bpk dce

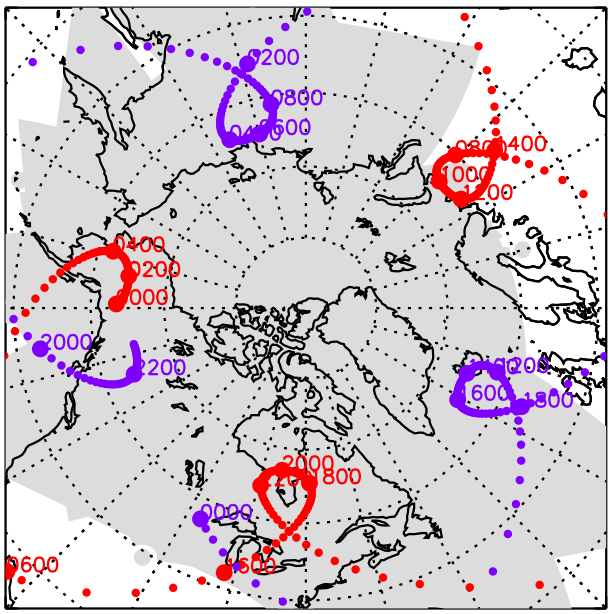


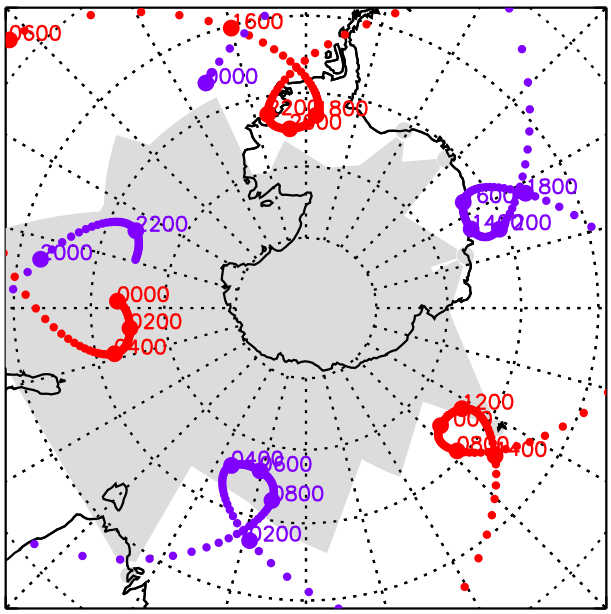


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

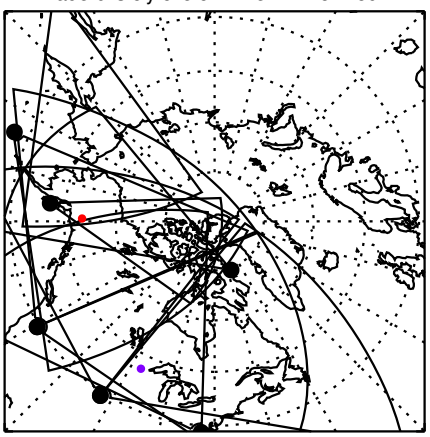
28–Jul–2017

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

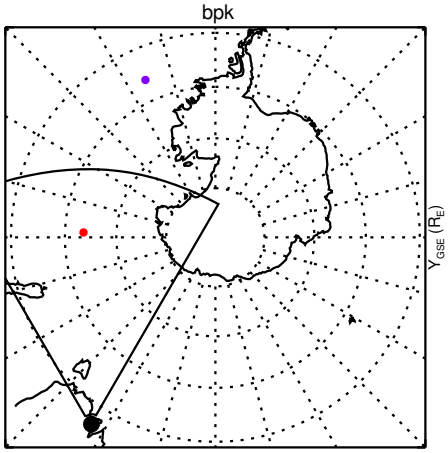


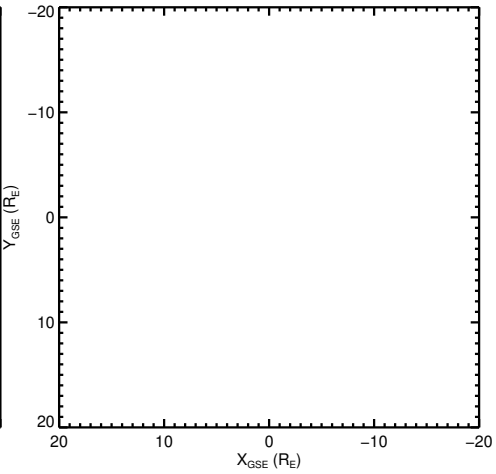


(a) 0000UT to 0000UT
ade bks cly cve cvw fhe fhw hok kod

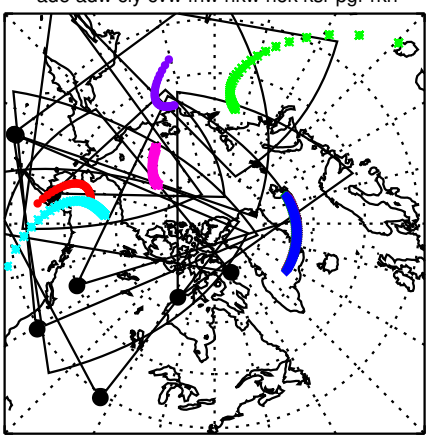


bpk

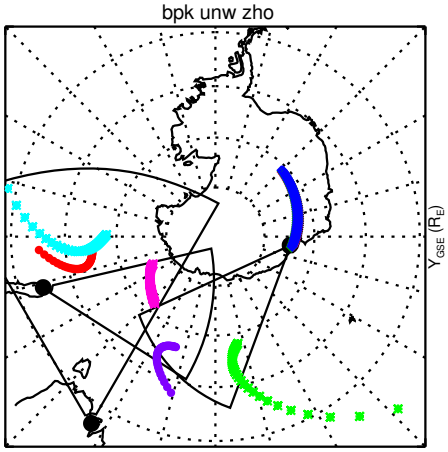


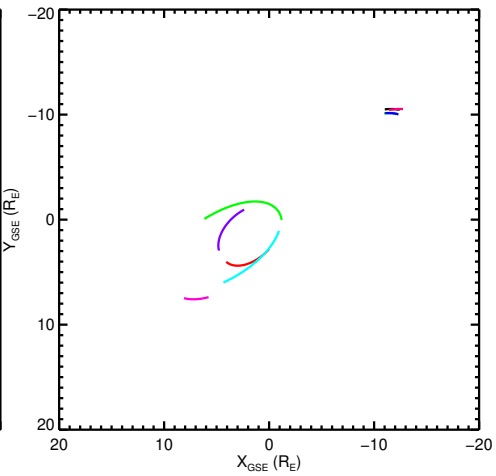


(b) 0205UT to 0515UT
ade adw cly cvw fhw hkw hok ksr pgr rkn

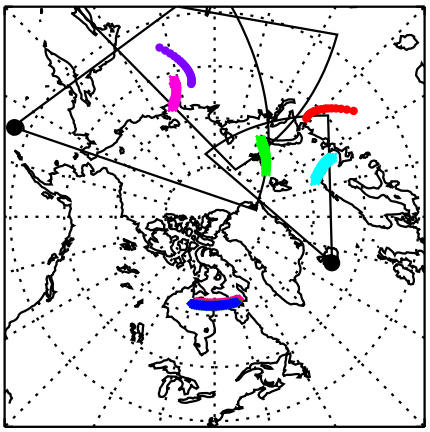


bpk unw zho

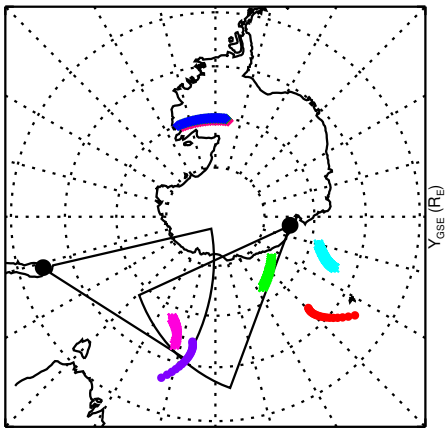


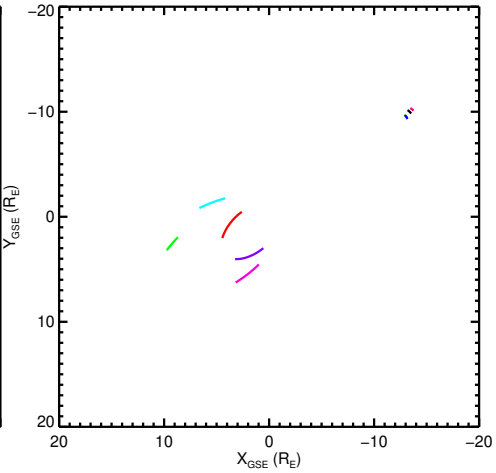


(c) 0720UT to 0900UT
adw hkw pyk

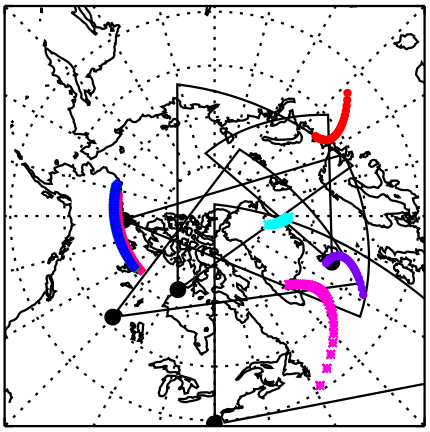


unw zho





(d) 1110UT to 1410UT
inv pyk rkn sas wal



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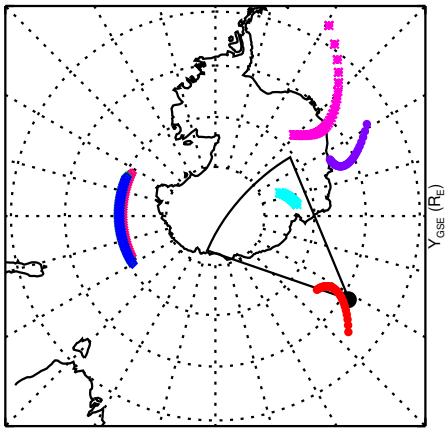
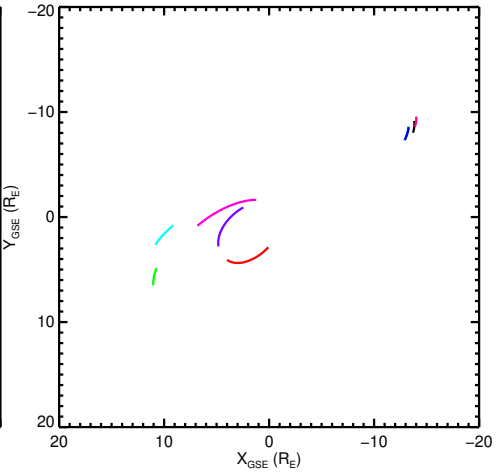
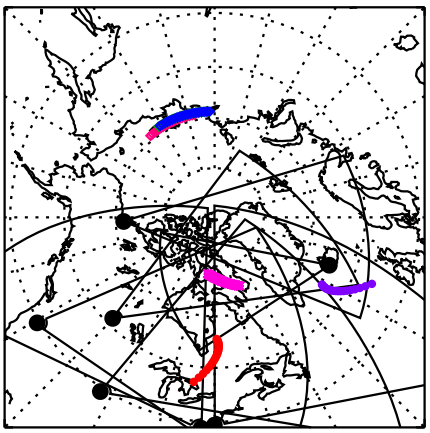
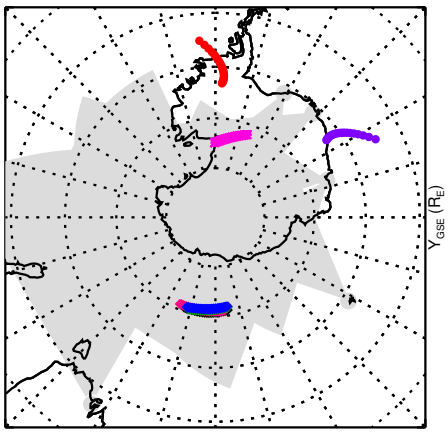
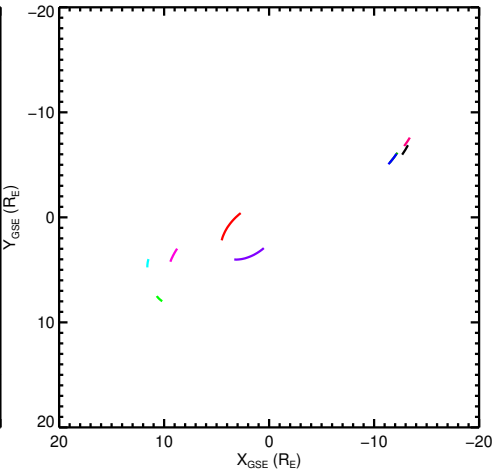




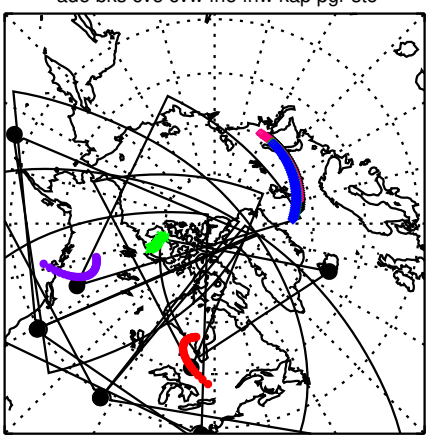
(e) 1620UT to 1805UT
bks cve fhe inv sas sto wal



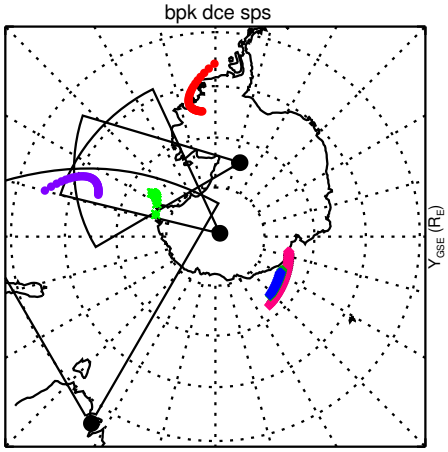


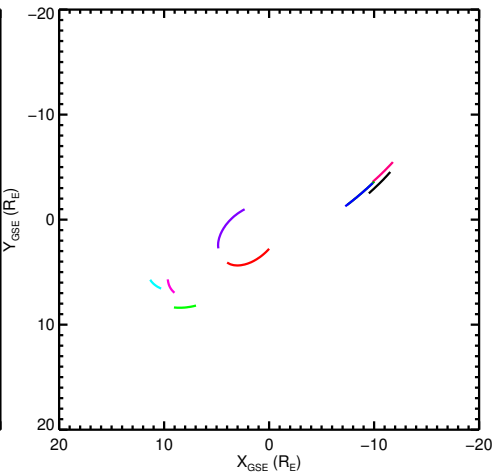


(f) 2010UT to 2310UT
ade bks cve cvw fhe fhw kap pgr sto



bpk dce sps

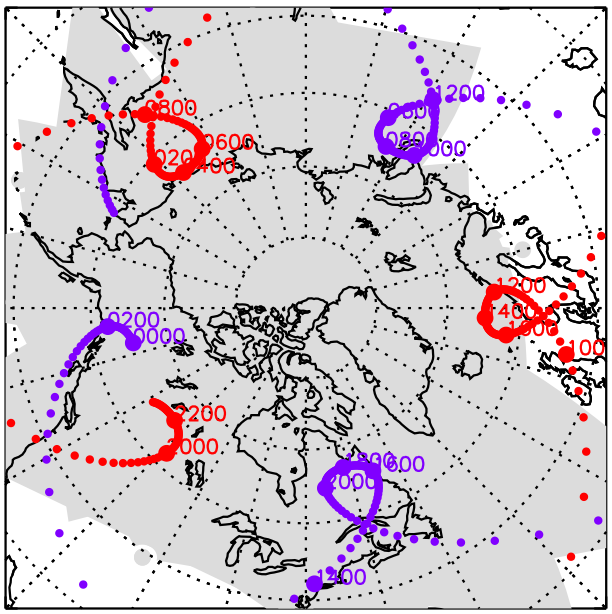


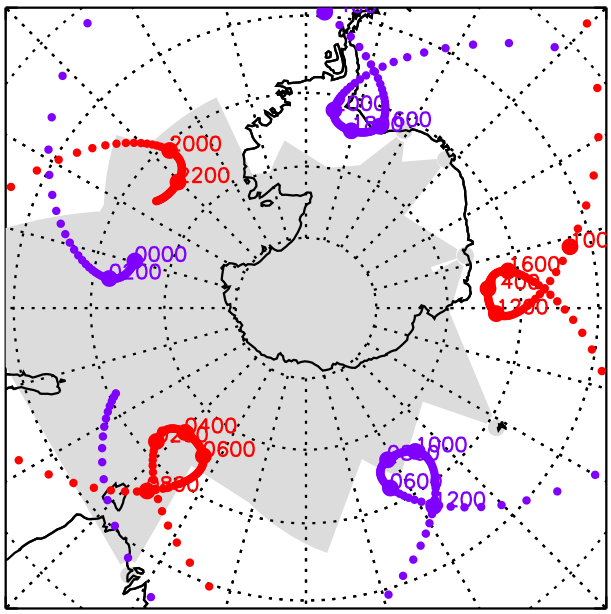


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

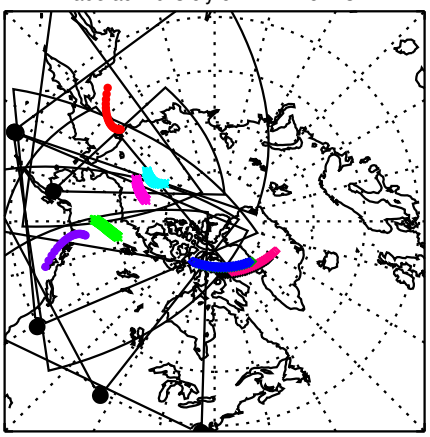
29–Jul–2017

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

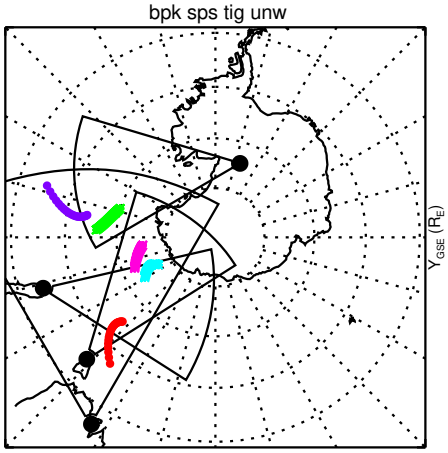


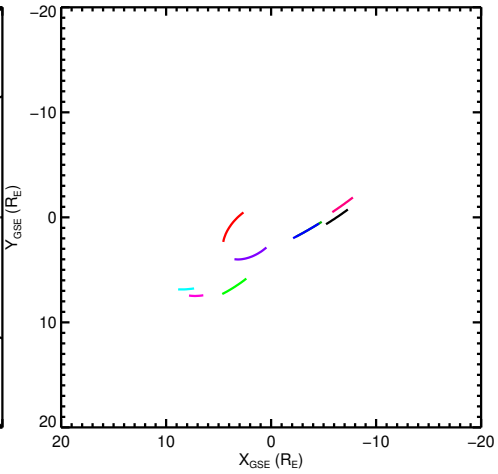


(a) 0115UT to 0310UT
ade adw bks cly cvw fhw hok ksr

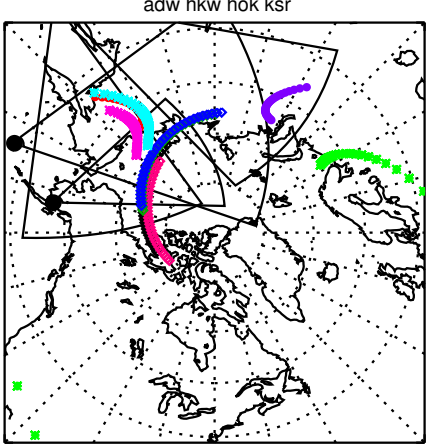


bpk sps tig unw

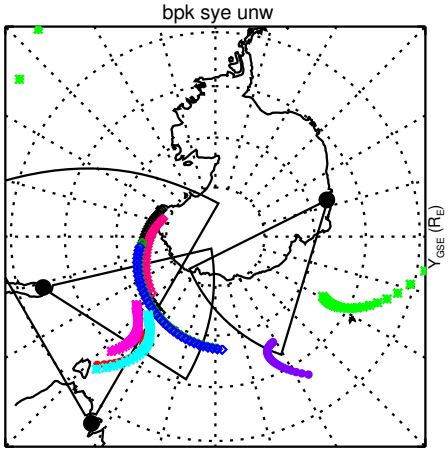


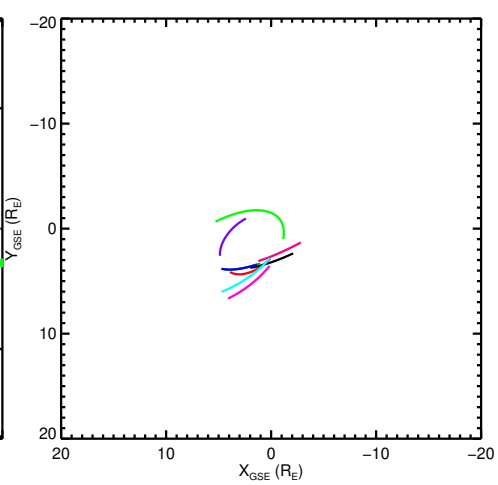


(b) 0515UT to 0805UT
adw hkw hok ksr

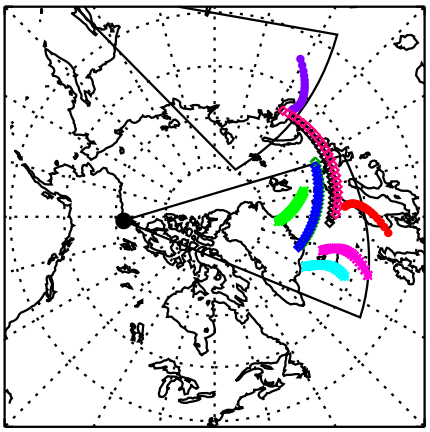


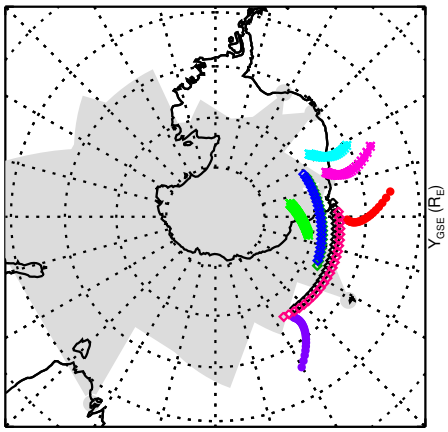
bpk sye unw

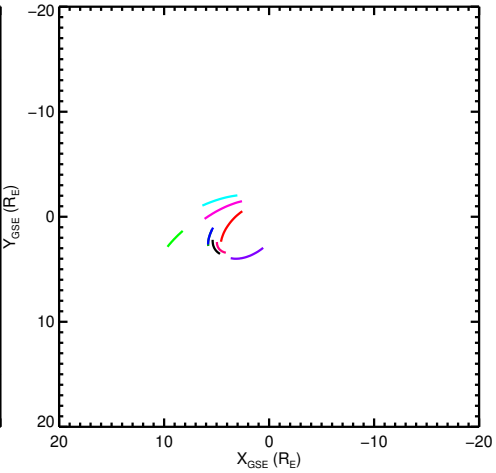




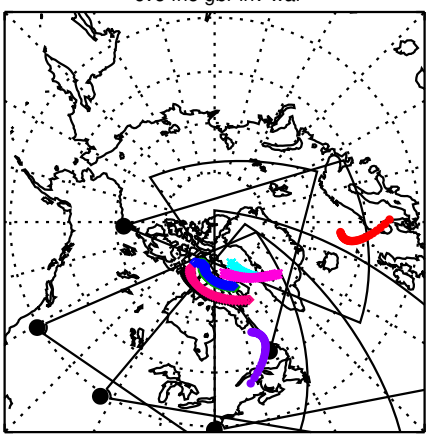
(c) 1010UT to 1210UT
hkw inv

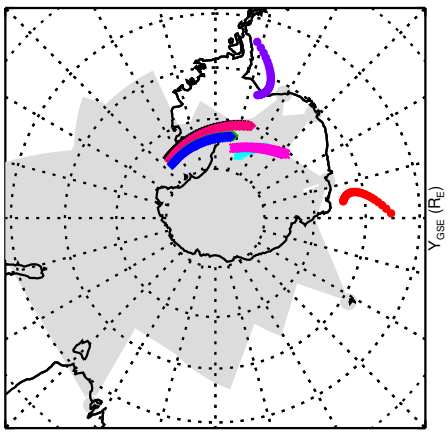


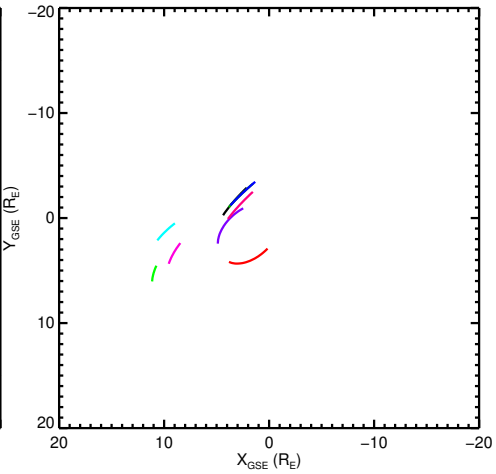




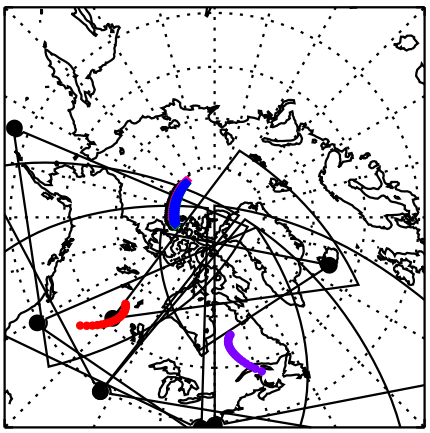
(d) 1420UT to 1700UT
cve fhe gbr inv wal



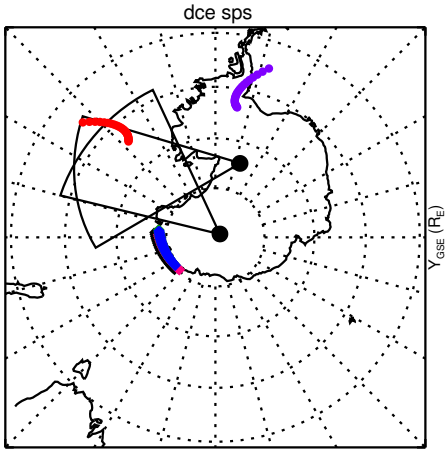


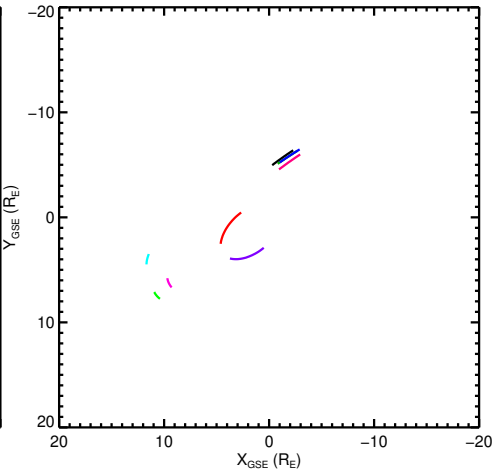


(e) 1910UT to 2115UT
ade bks cve fhe fhw sas sto wal

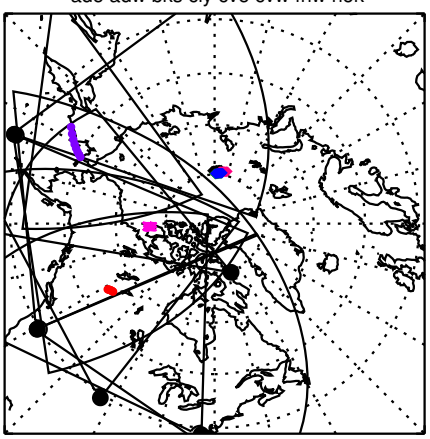


dce sps

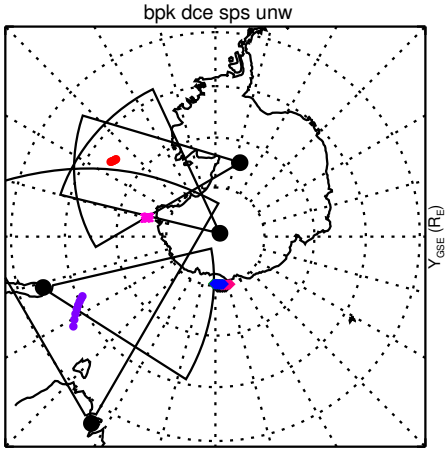


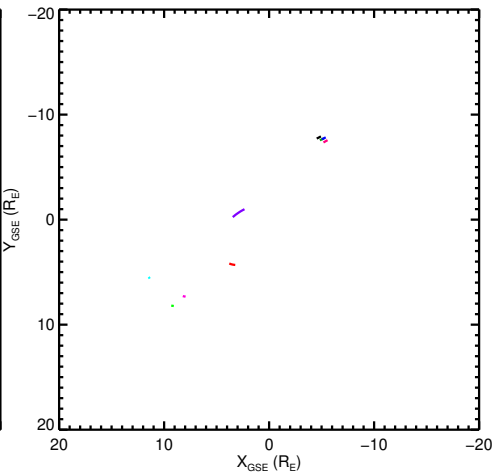


(f) 2320UT to 2355UT
ade adw bks cly cve cvw fhw hok



bpk dce sps unw

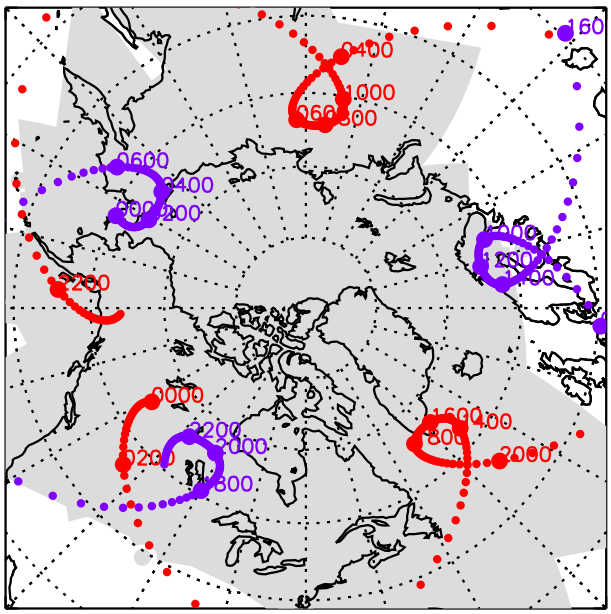


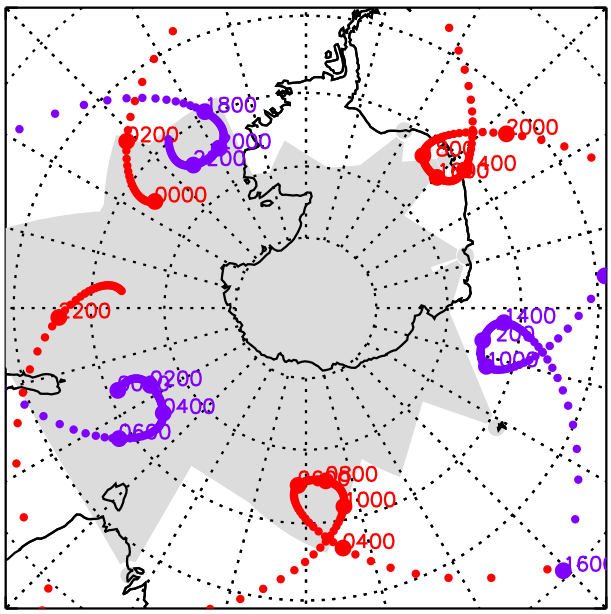


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

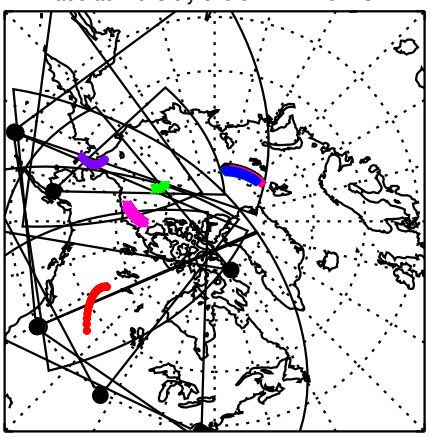
30–Jul–2017

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

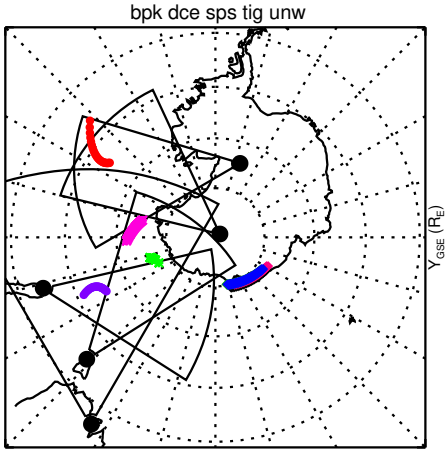


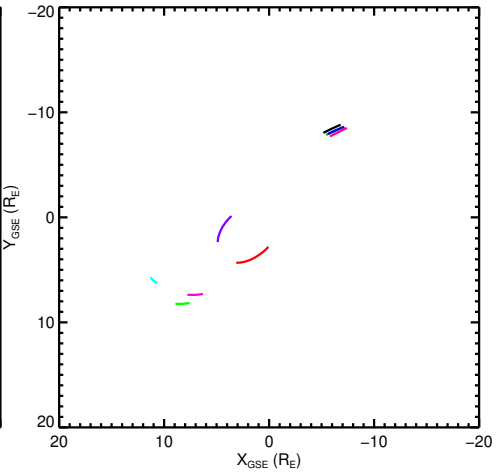


(a) 0000UT to 0200UT
ade adw bks cly cve cvw fhw hok ksr

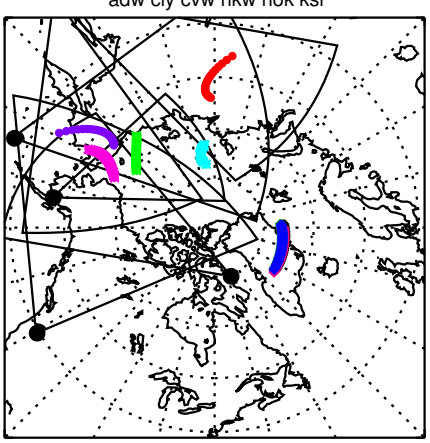


bpk dce sps tig unw

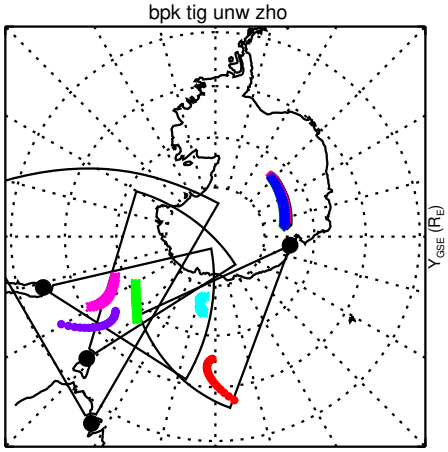


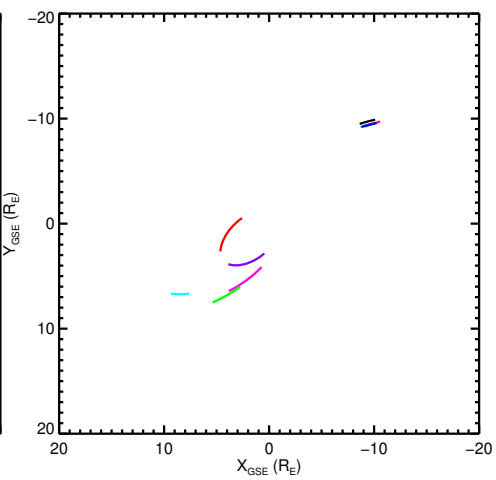


(b) 0405UT to 0620UT
adw cly cvw hkw hok ksr

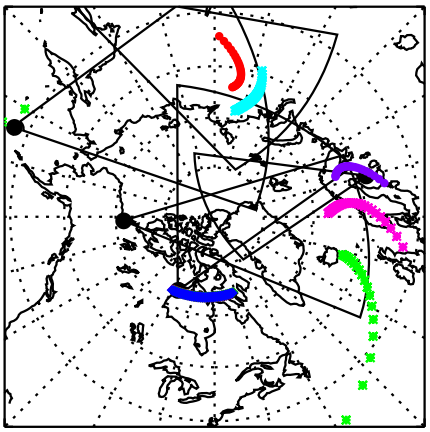


bpk tig unw zho

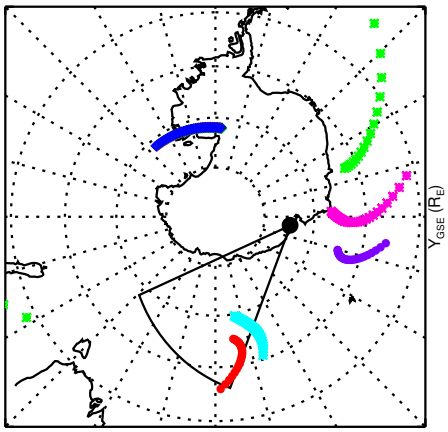


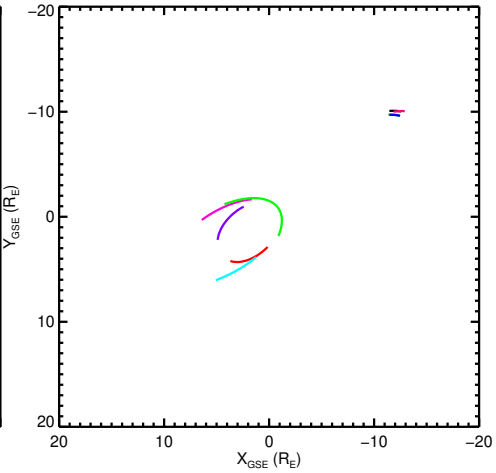


(c) 0825UT to 1055UT
adw han hkw inv rkn

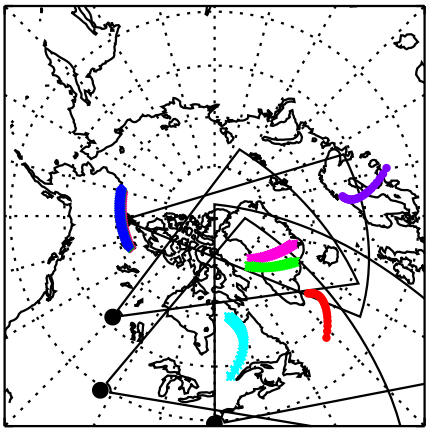


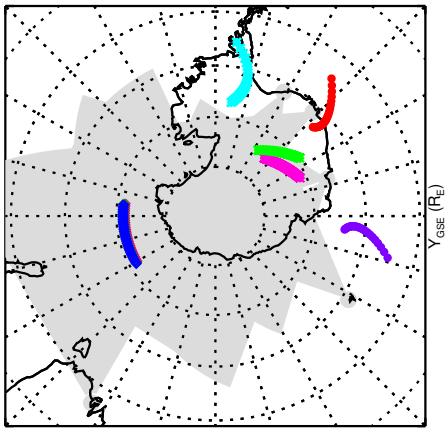
zho

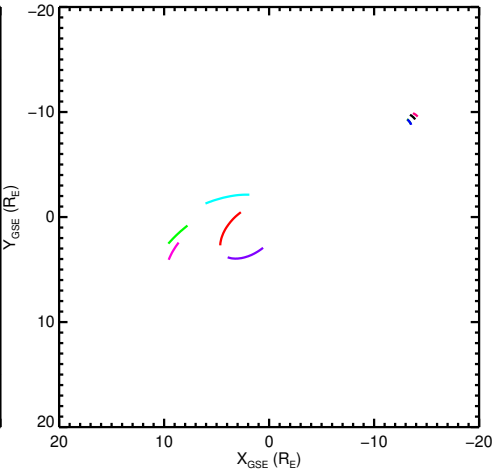




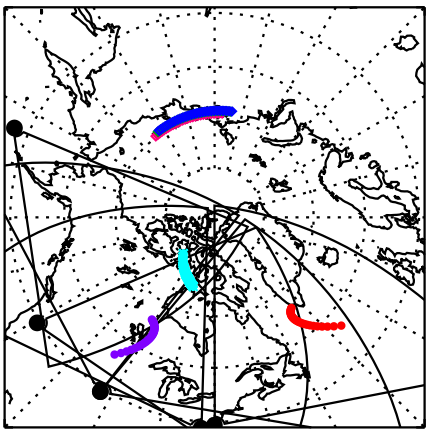
(d) 1305UT to 1520UT
fhe inv sas wal



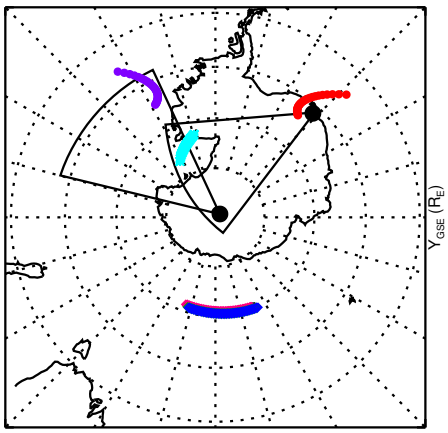


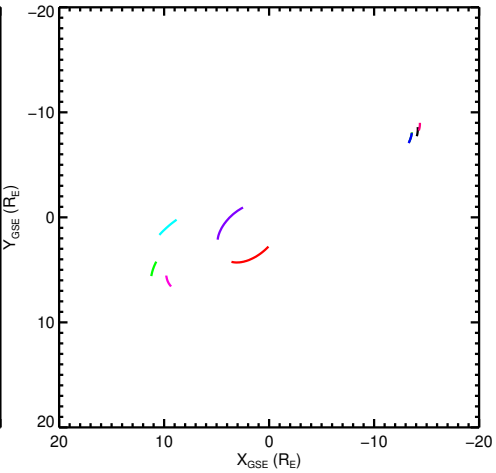


(e) 1730UT to 1955UT
ade bks cve fhe fhw wal

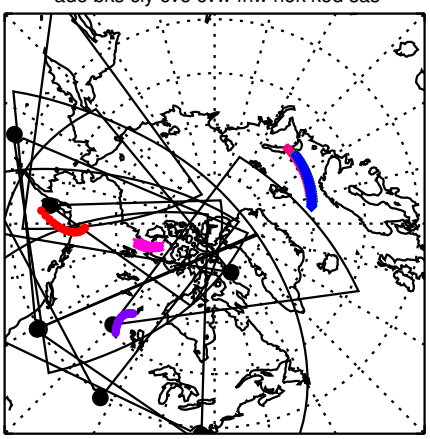


dce san

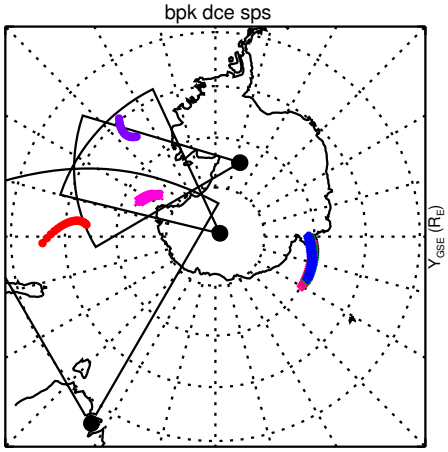


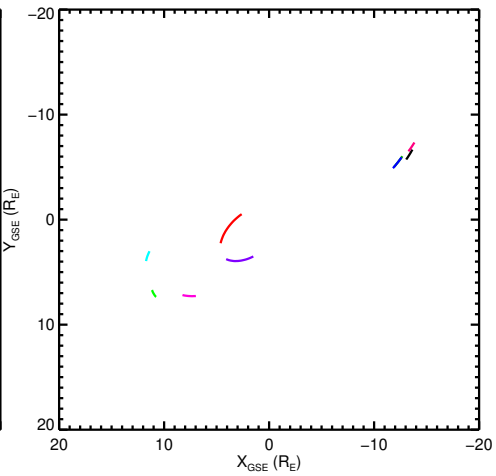


(f) 2200UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



bpk dce sps

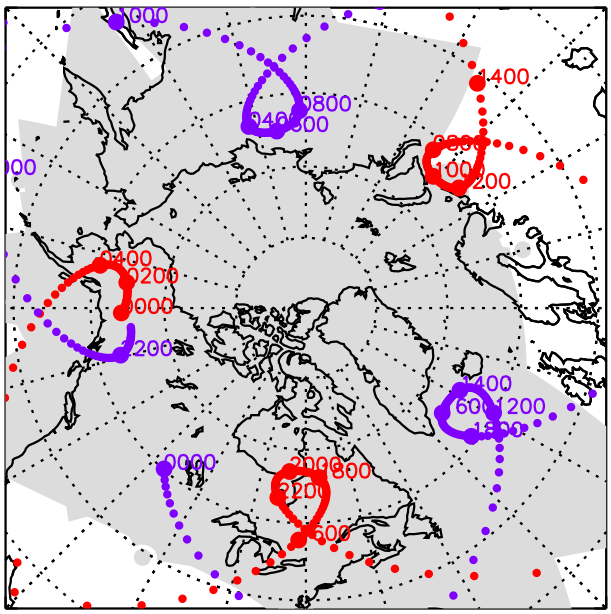


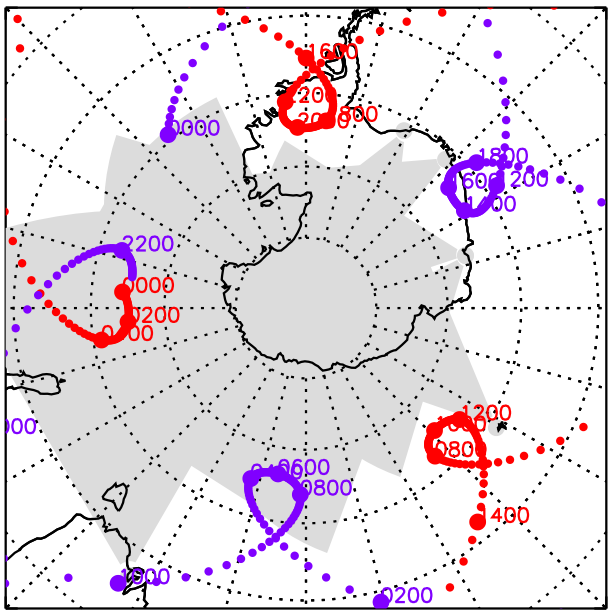


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

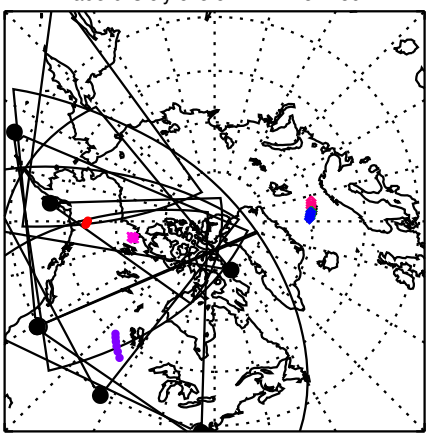
31–Jul–2017

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

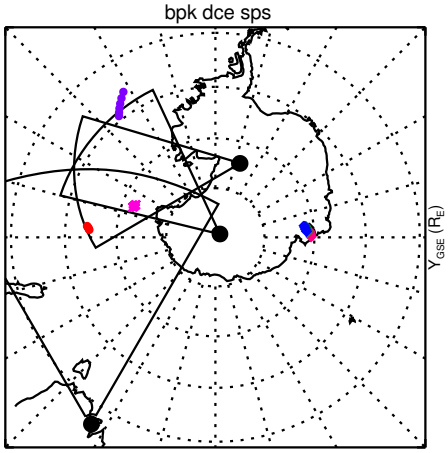


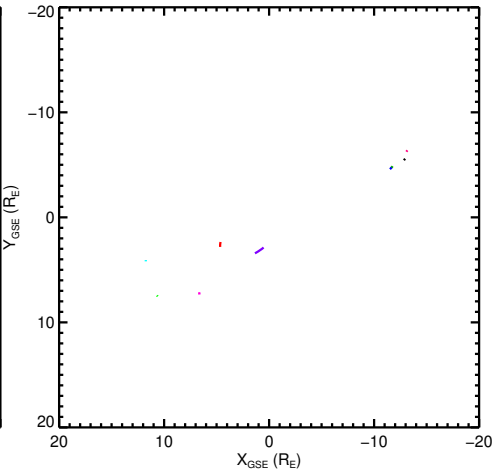


(a) 0000UT to 0025UT
ade bks cly cve cvw fhw hok kod

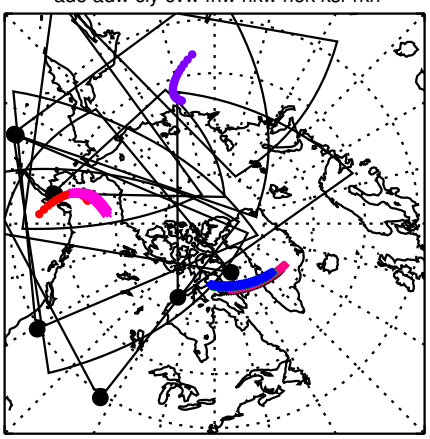


bpk dce sps

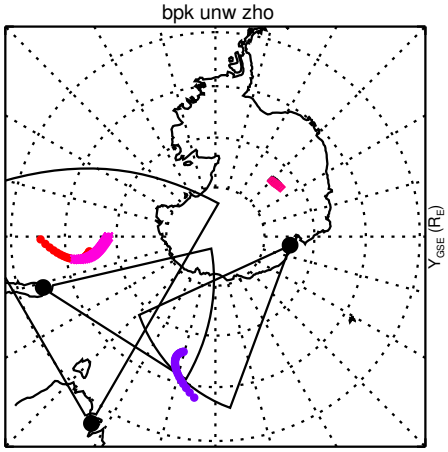


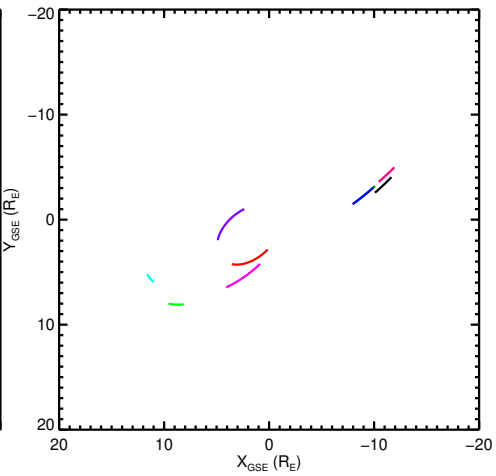


(b) 0230UT to 0450UT
ade adw cly cvw fhw hkw hok ksr rkn



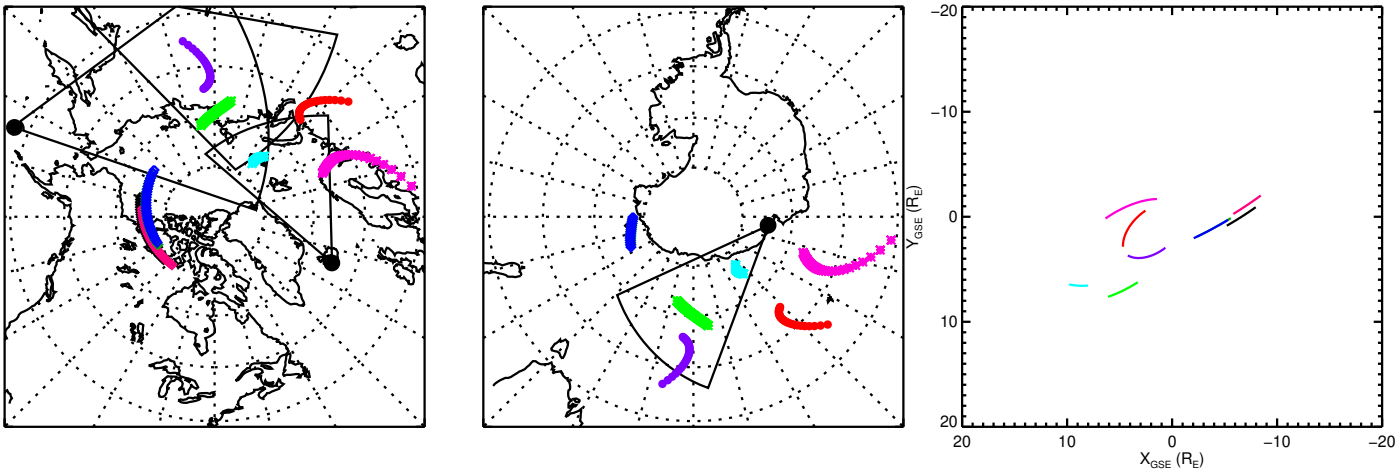
bpk unw zho



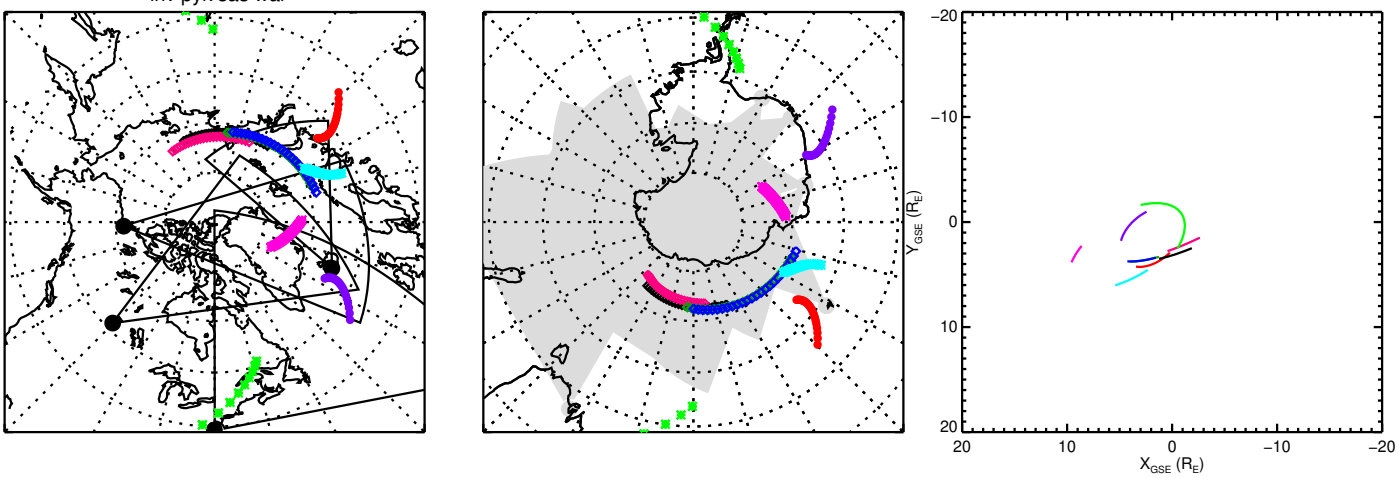


(c) 0655UT to 0925UT
adw hkw pyk

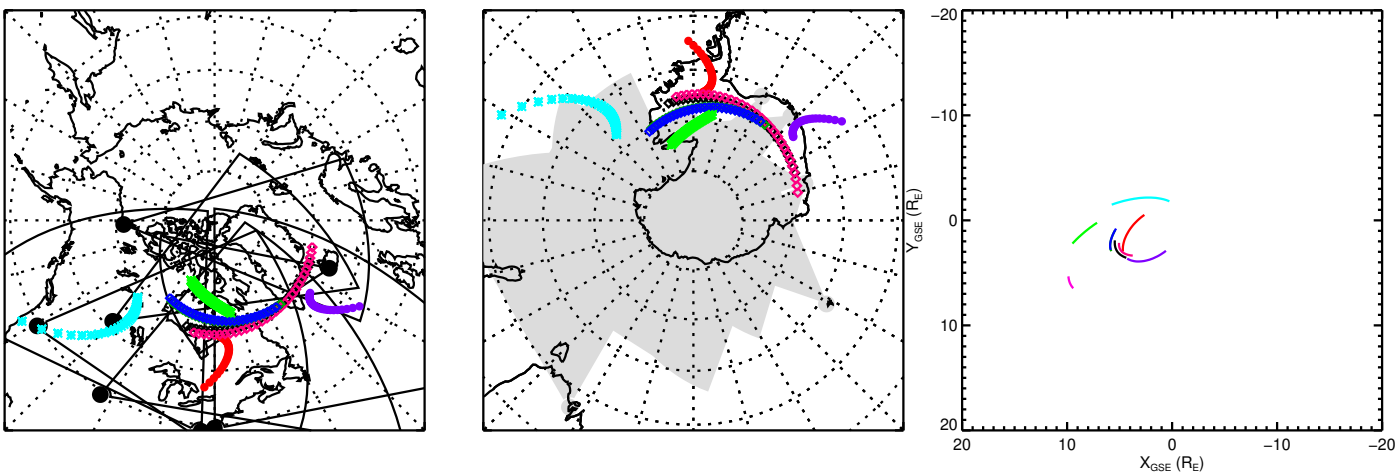
zho

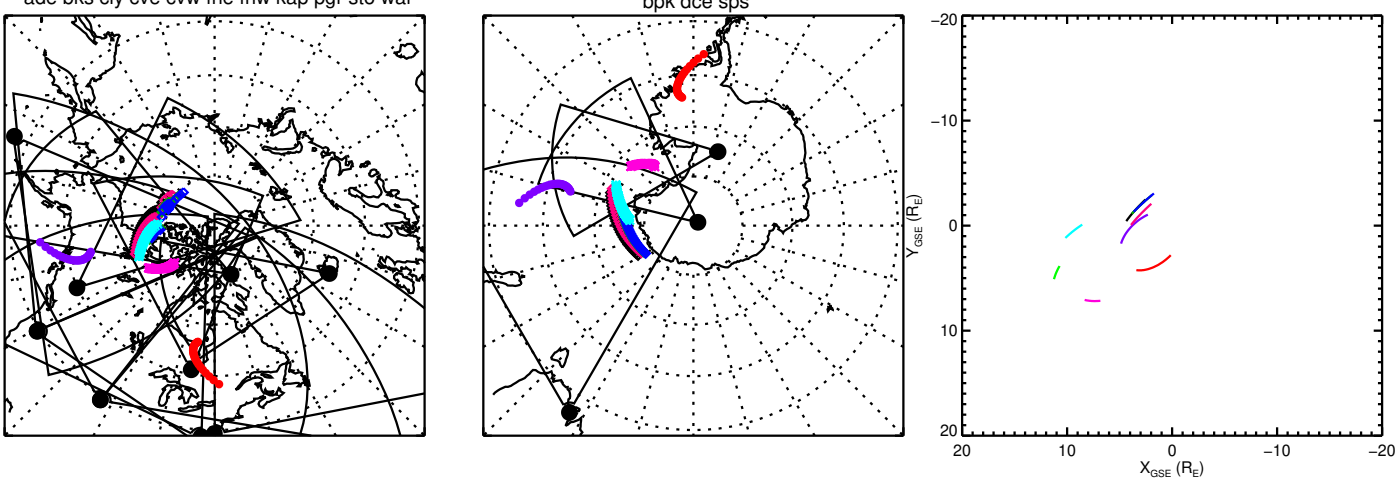


(d) 1135UT to 1345UT
inv pyk sas wal



(e) 1555UT to 1830UT
bks cve fhe inv sas sto wal



(f) 2035UT to 2245UT
ade bks cly cve cvw fhe fhw kap pgr sto wal

bpk dce sps