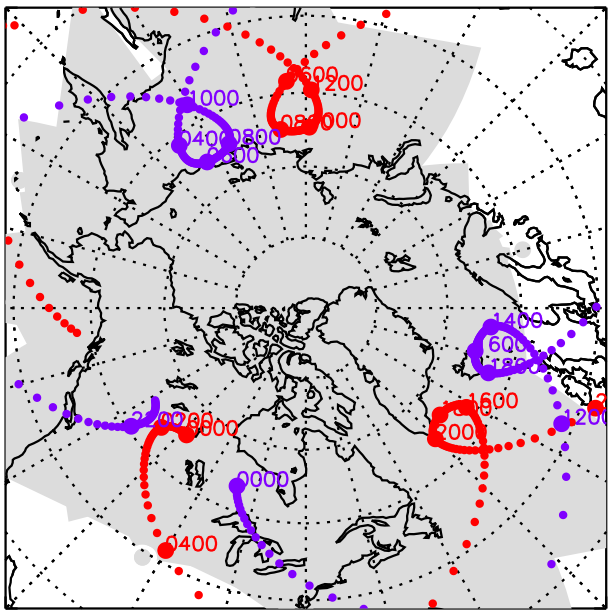
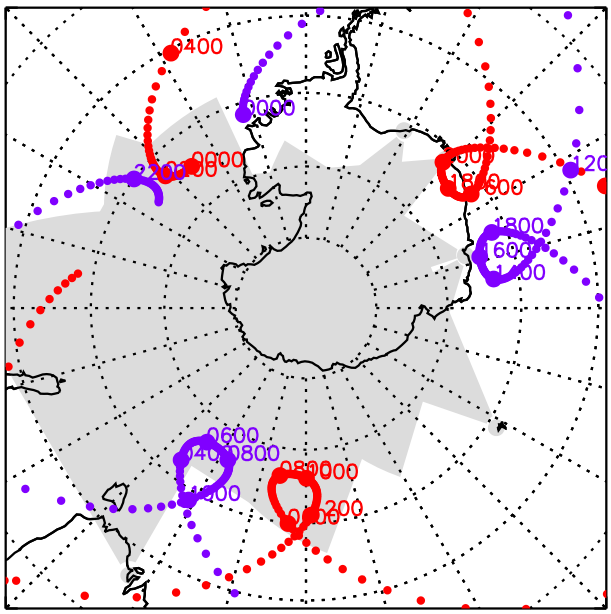
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

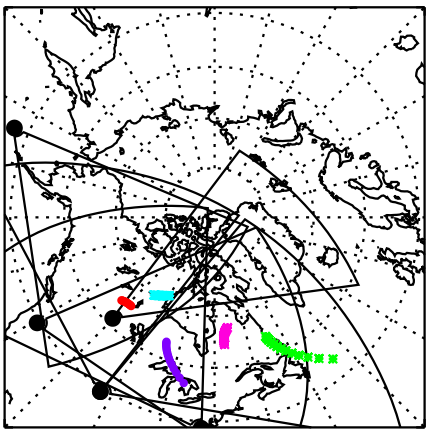
01–Jun–2017

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

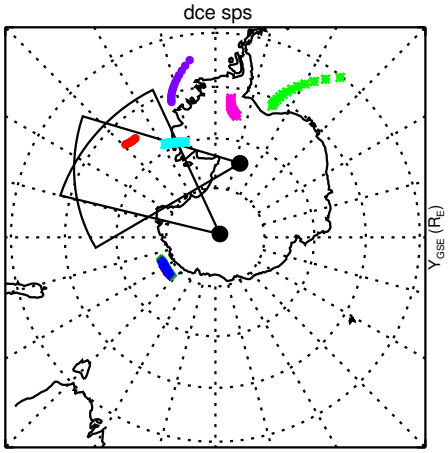


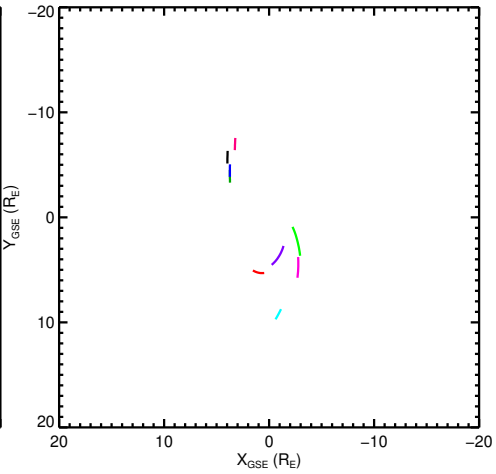


(a) 0000UT to 0110UT
ade bks cve fhe fhw sas

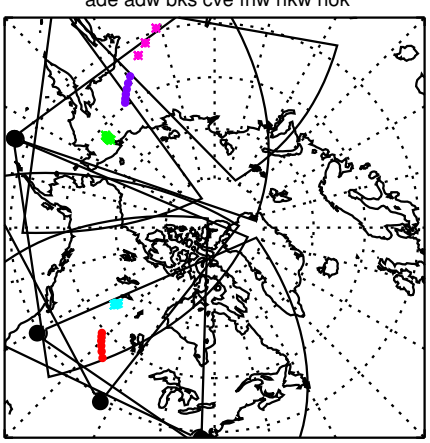


dce sps

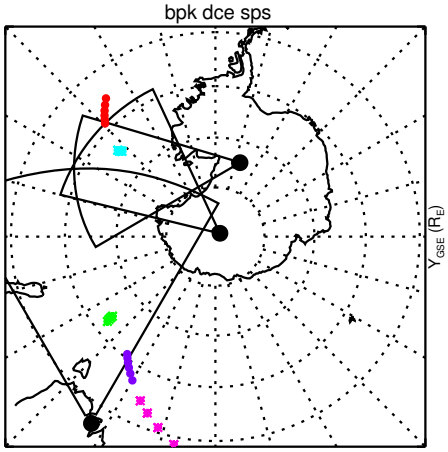


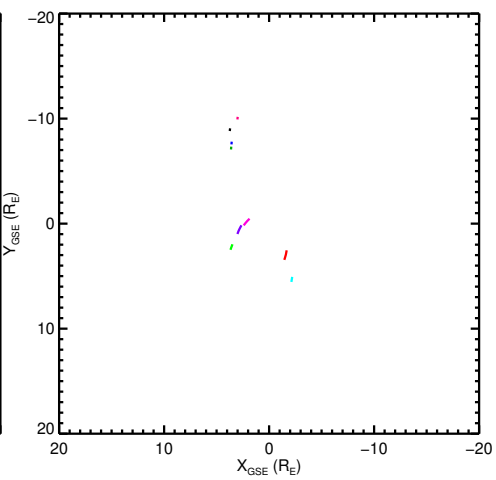


(b) 0315UT to 0340UT
ade adw bks cve fhw hkw hok

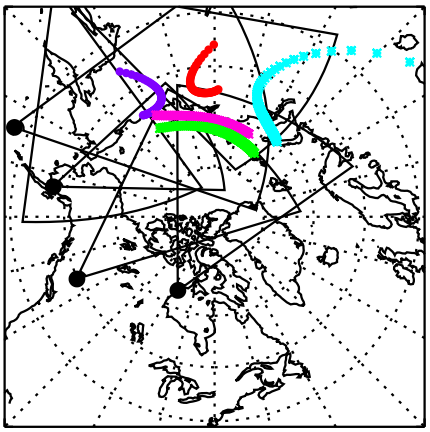


bpk dce sps

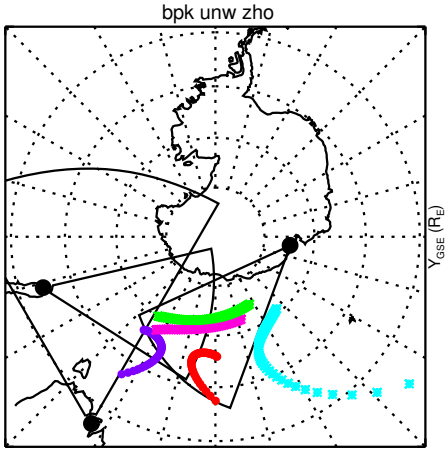


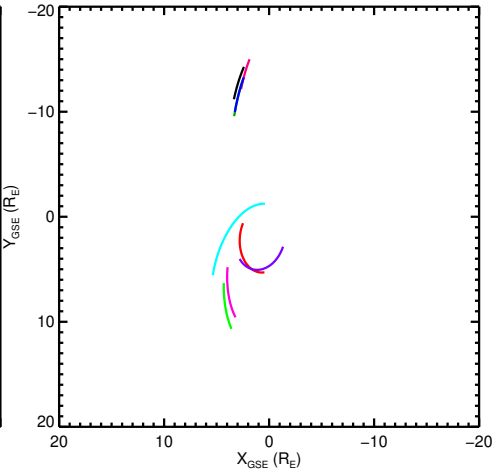


(c) 0545UT to 1010UT
adw hkw hok ksr pgr rkn

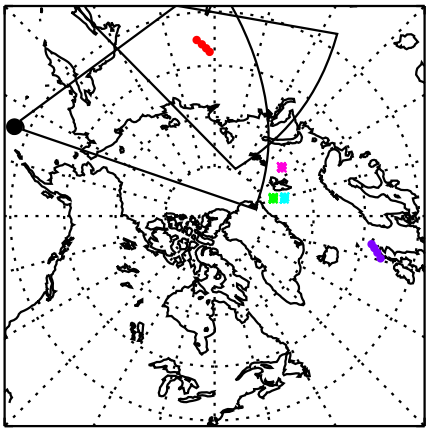


bpk unw zho

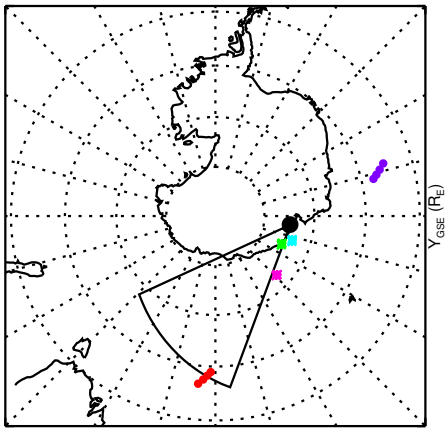


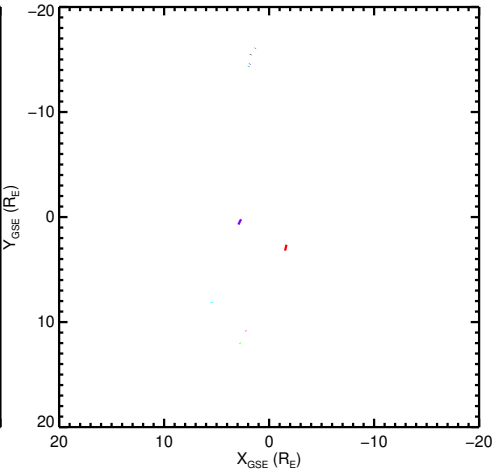


(d) 1220UT to 1235UT
adw hkw

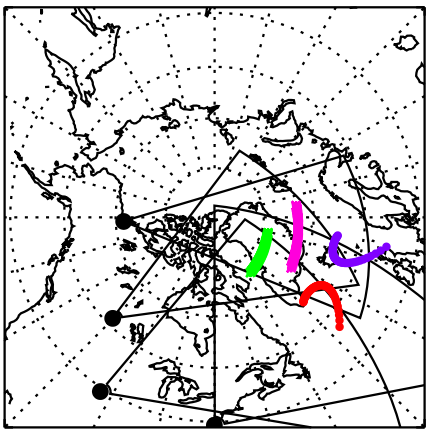


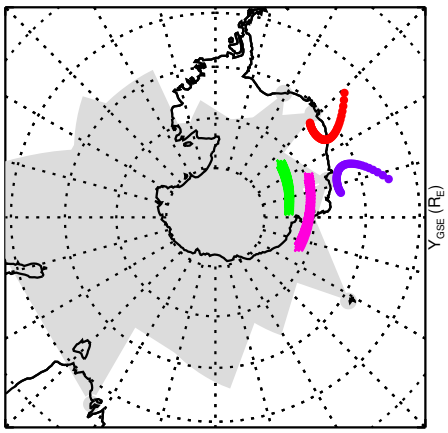
zho

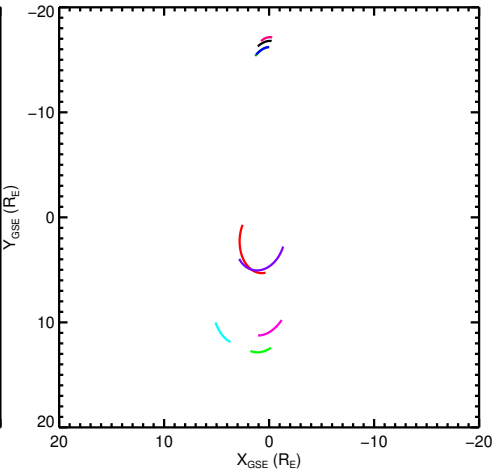




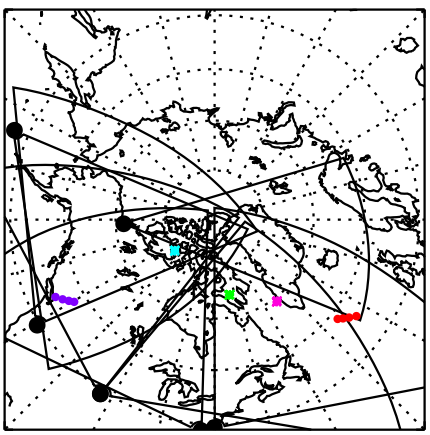
(e) 1445UT to 1915UT
fhe inv sas wal



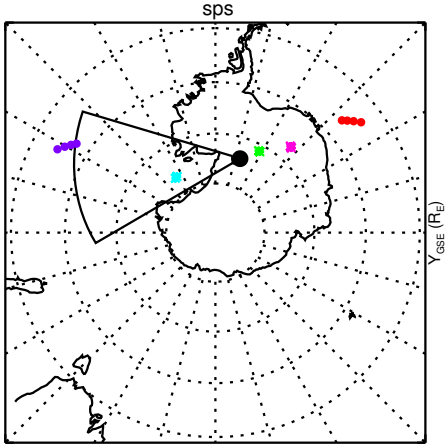


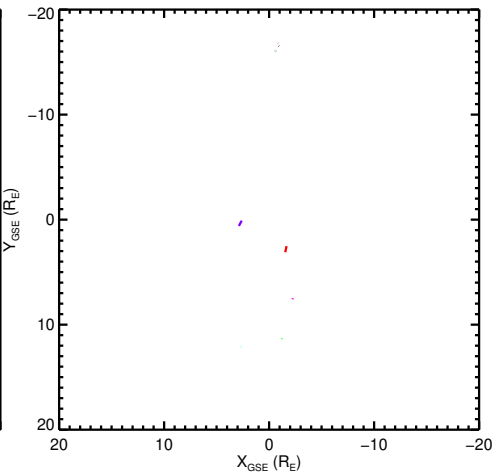


(f) 2120UT to 2135UT
ade bks cvw fhe fhw inv wal

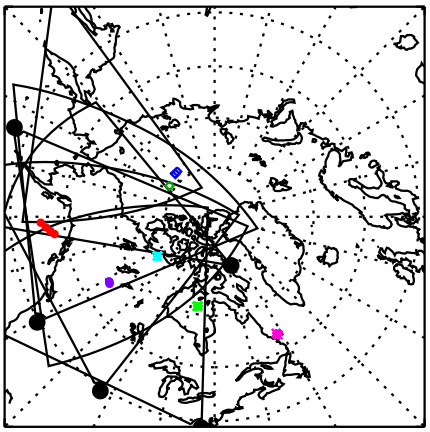


sps

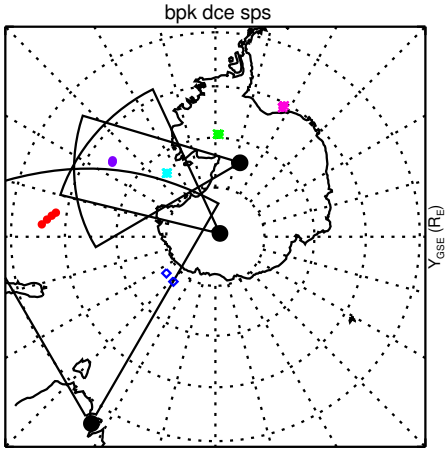


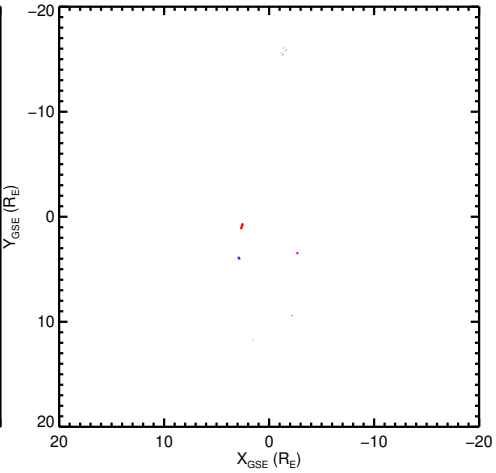


(g) 2340UT to 2355UT
ade bks cly cvw fhw hok



bpk dce sps

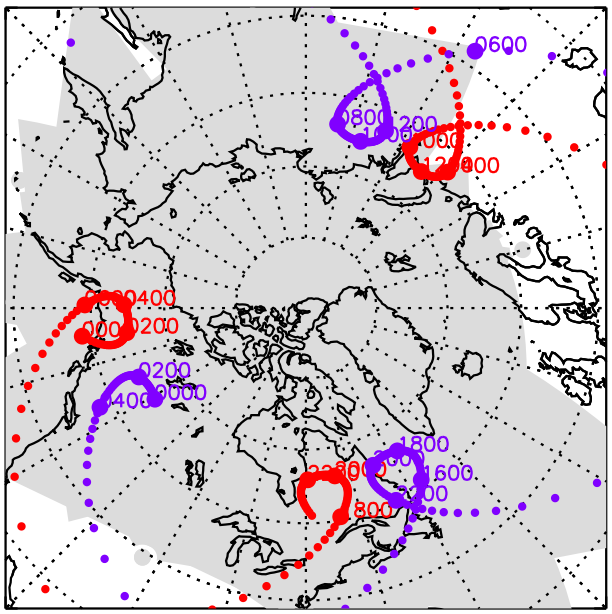


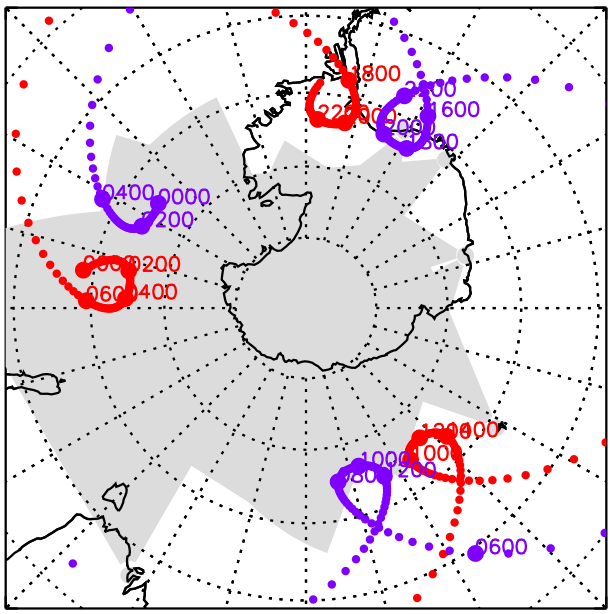


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

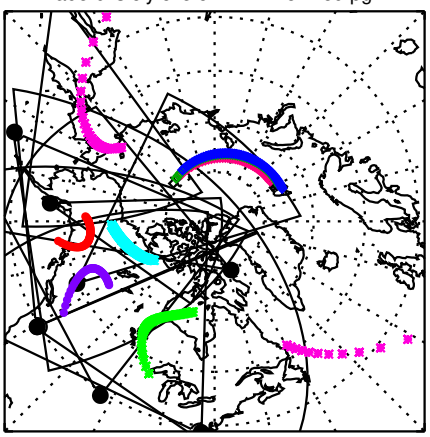
02–Jun–2017

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

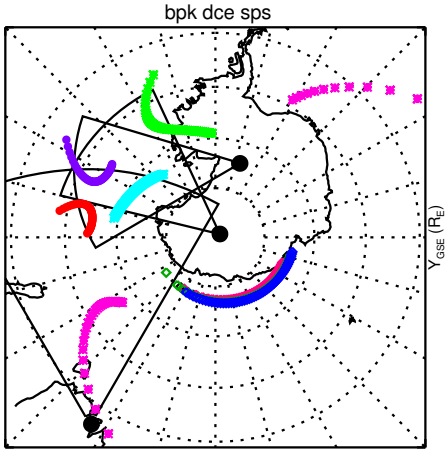


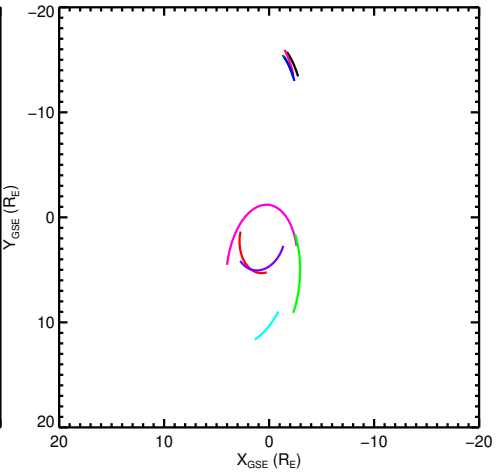


(a) 0000UT to 0420UT
ade bks cly cve cvw fhw hok kod pgr

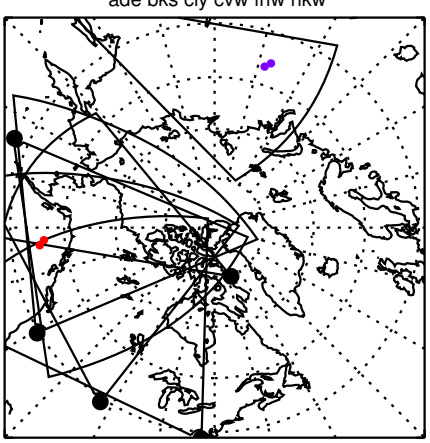


bpk dce sps

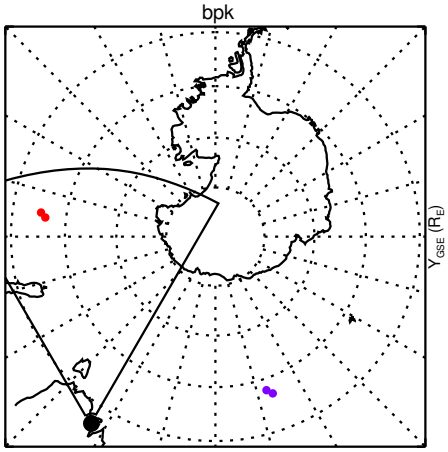


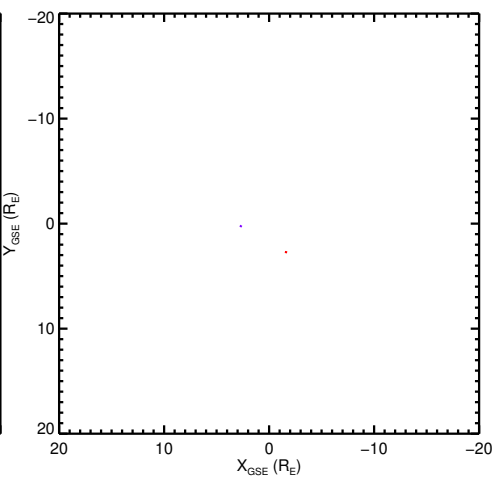


(b) 0625UT to 0630UT
ade bks cly cvw fhw hkw

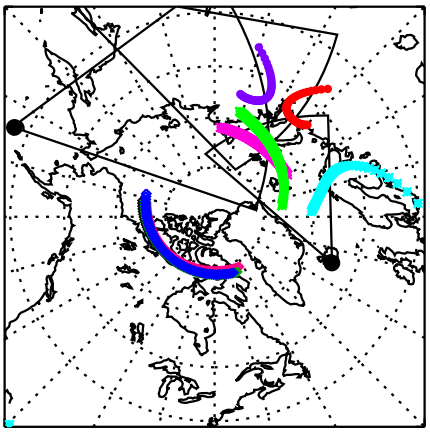


bpk

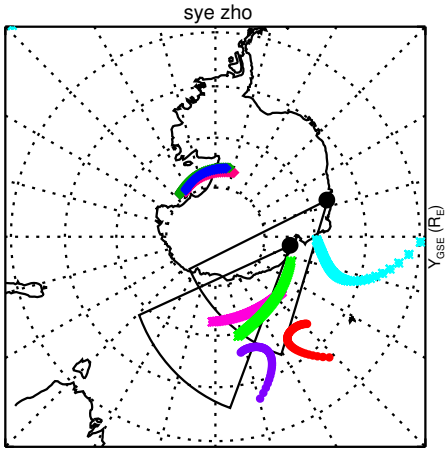


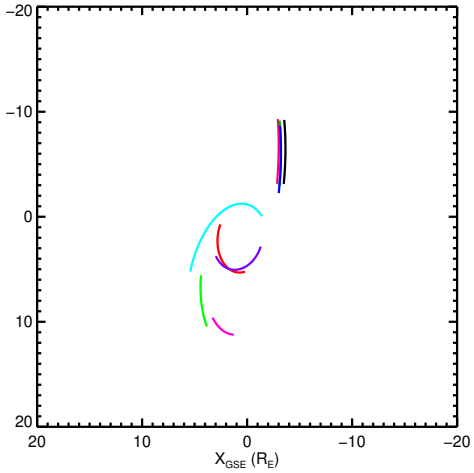


(c) 0840UT to 1320UT
adw hkw pyk

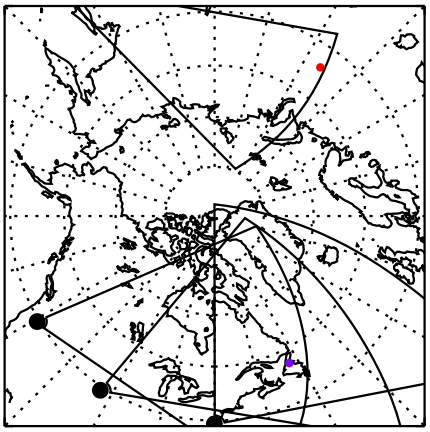


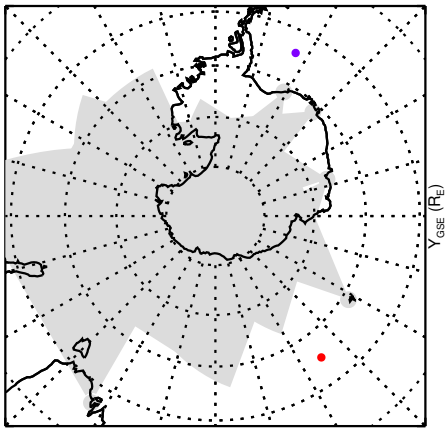
sye zho

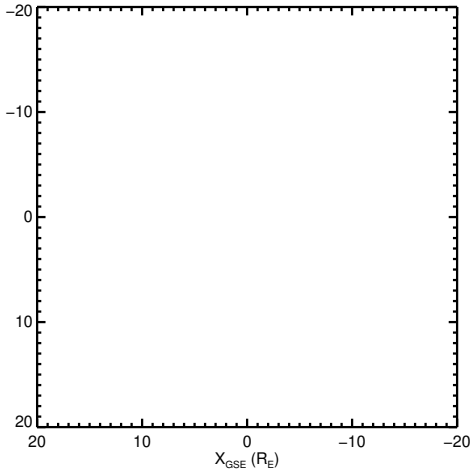




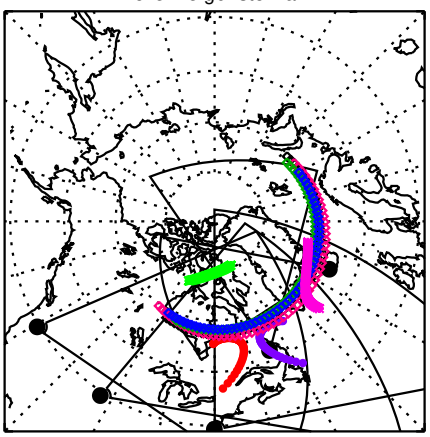
(d) 1530UT to 1530UT
cve fhe hkw wal



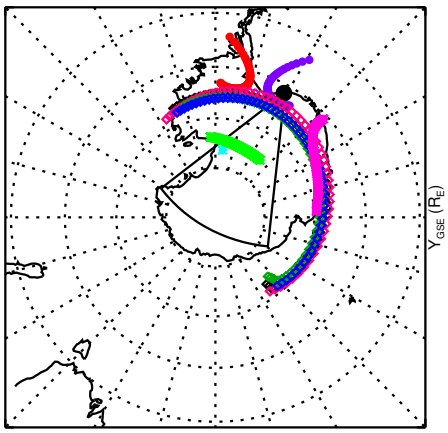


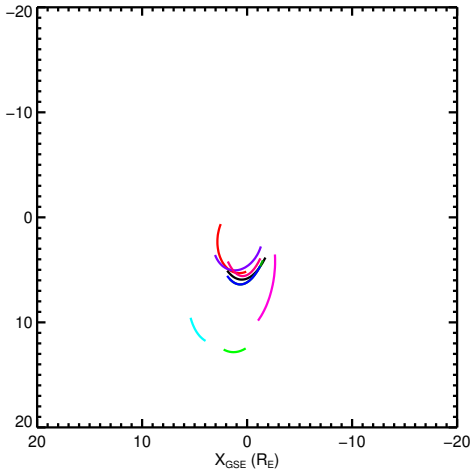


(e) 1735UT to 2225UT
cve fhe gbr sto wal



hal

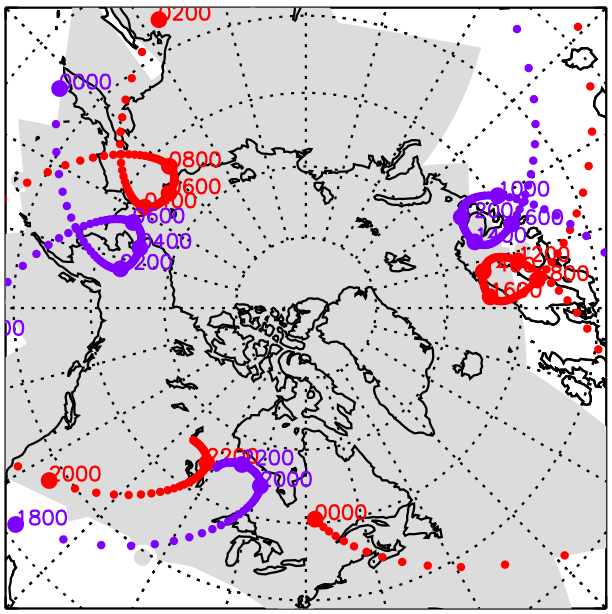


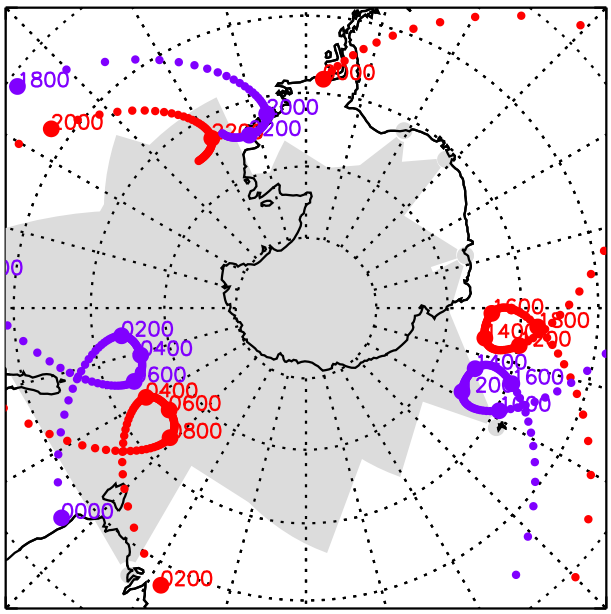


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

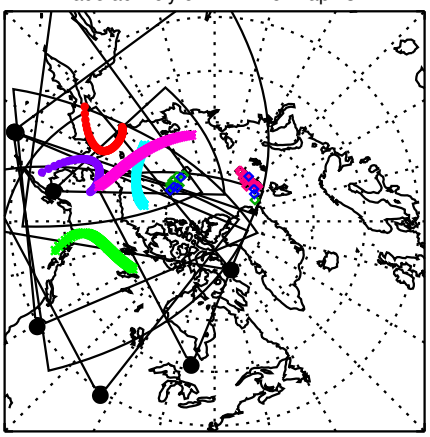
03–Jun–2017

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

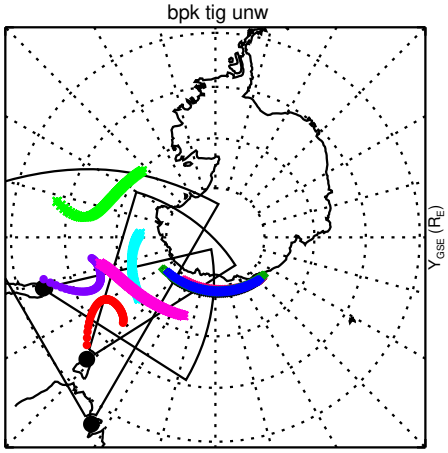


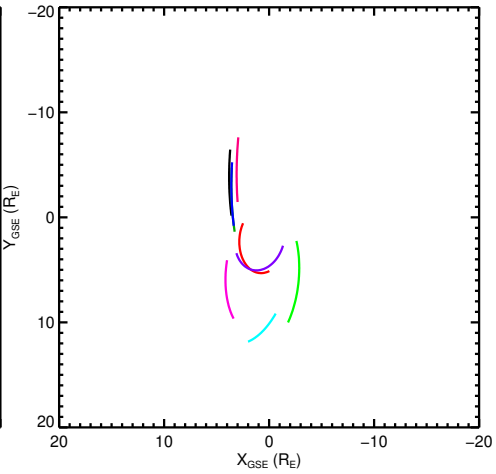


(a) 0230UT to 0730UT
ade adw cly cvw fhw hok kap ksr

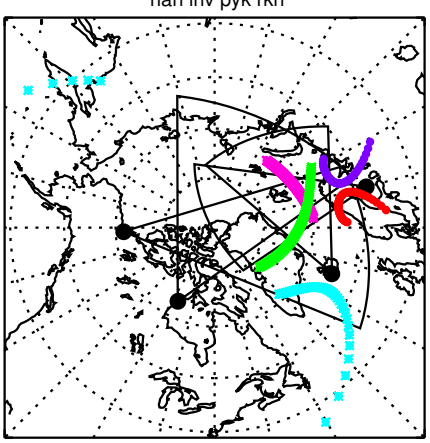


bpk tig unw





(b) 1130UT to 1630UT
han inv pyk rkn



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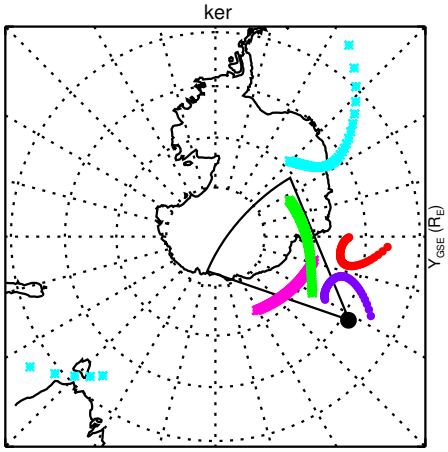
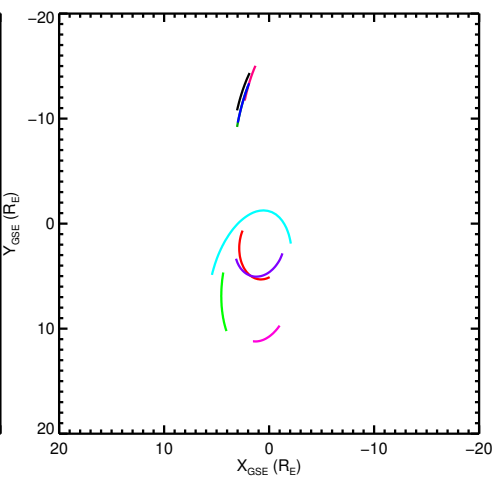
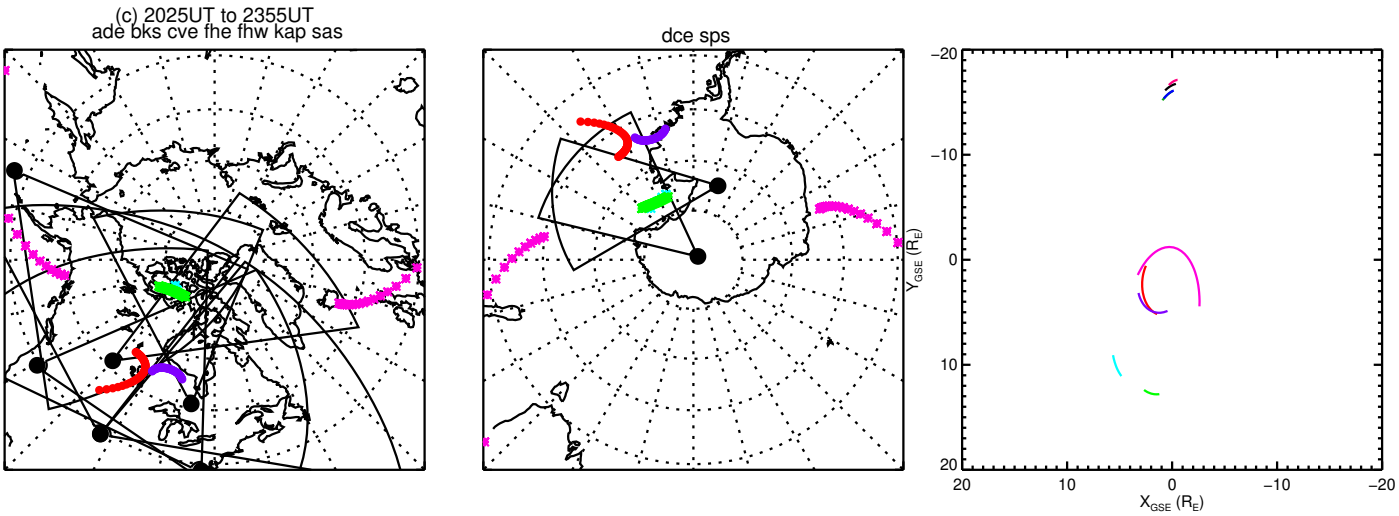


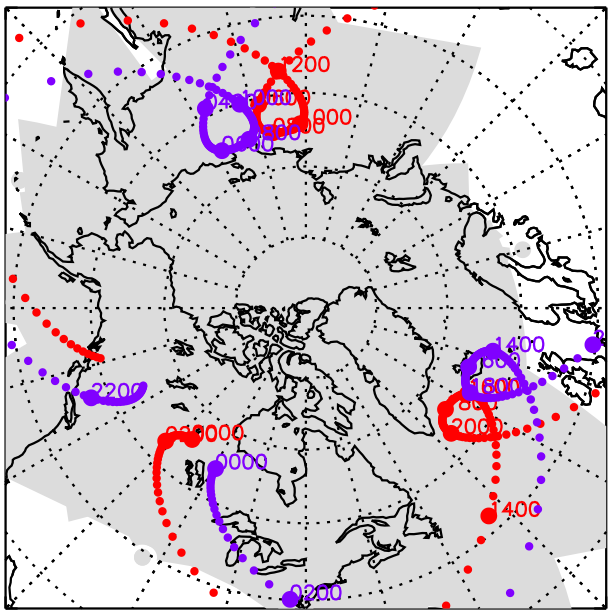


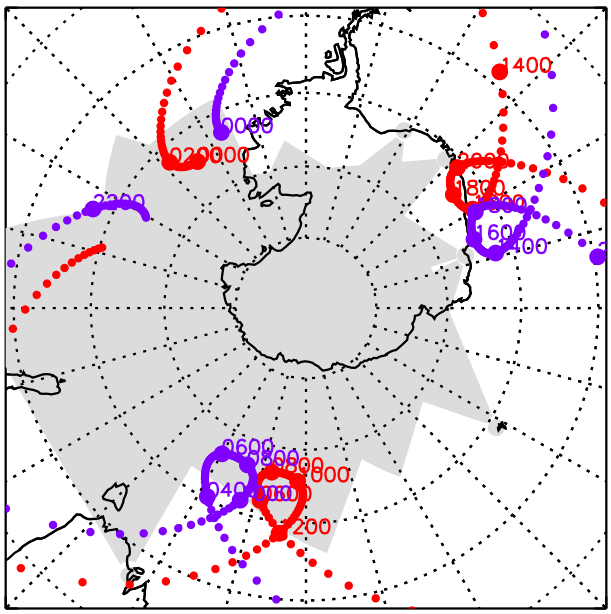

(c) 2025UT to 2355UT
ade bks cve fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

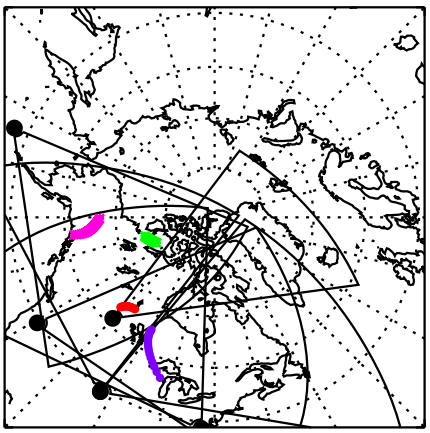
04–Jun–2017

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

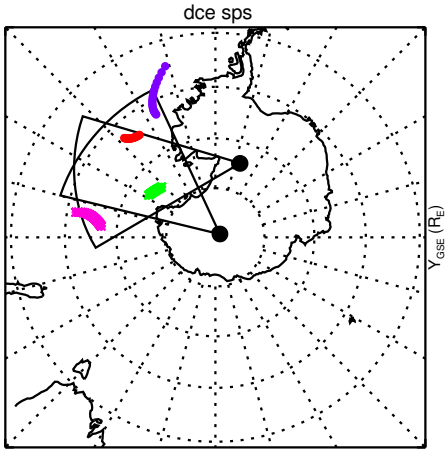


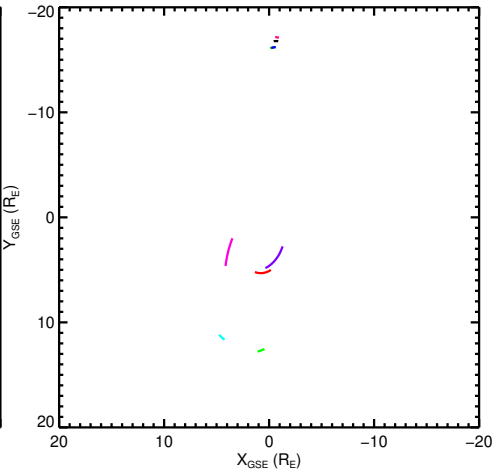


(a) 0000UT to 0135UT
ade bks cve fhe fhw sas

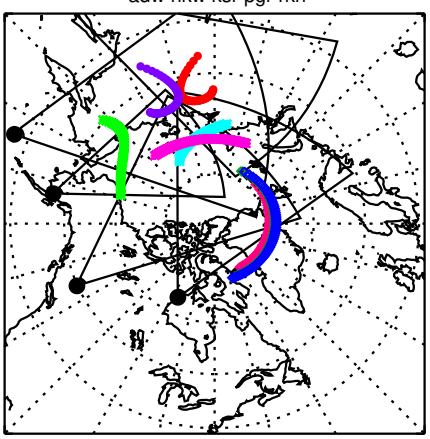


dce sps

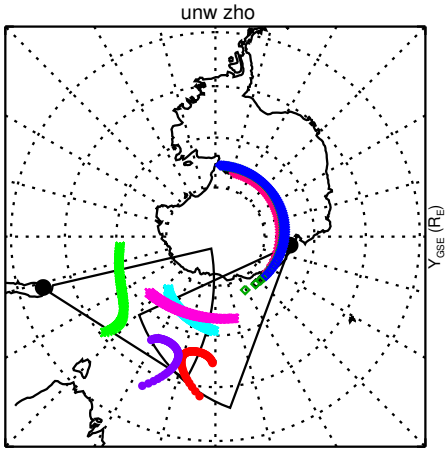


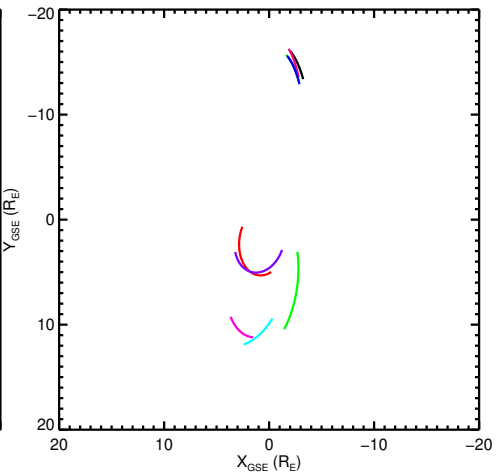


(b) 0525UT to 1035UT
adw hkw ksr pgr rkn

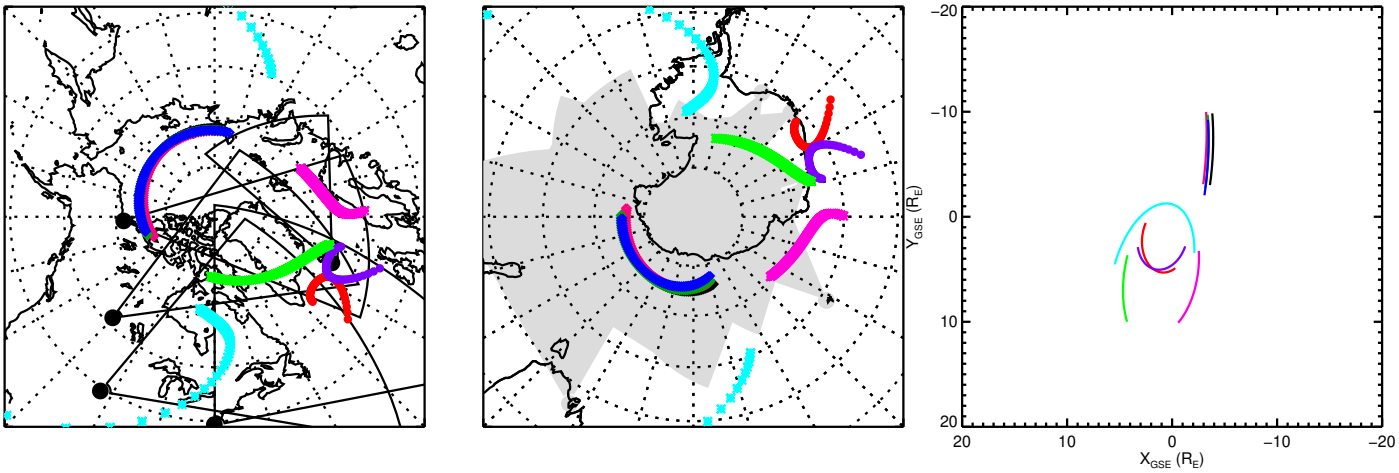


unw zho



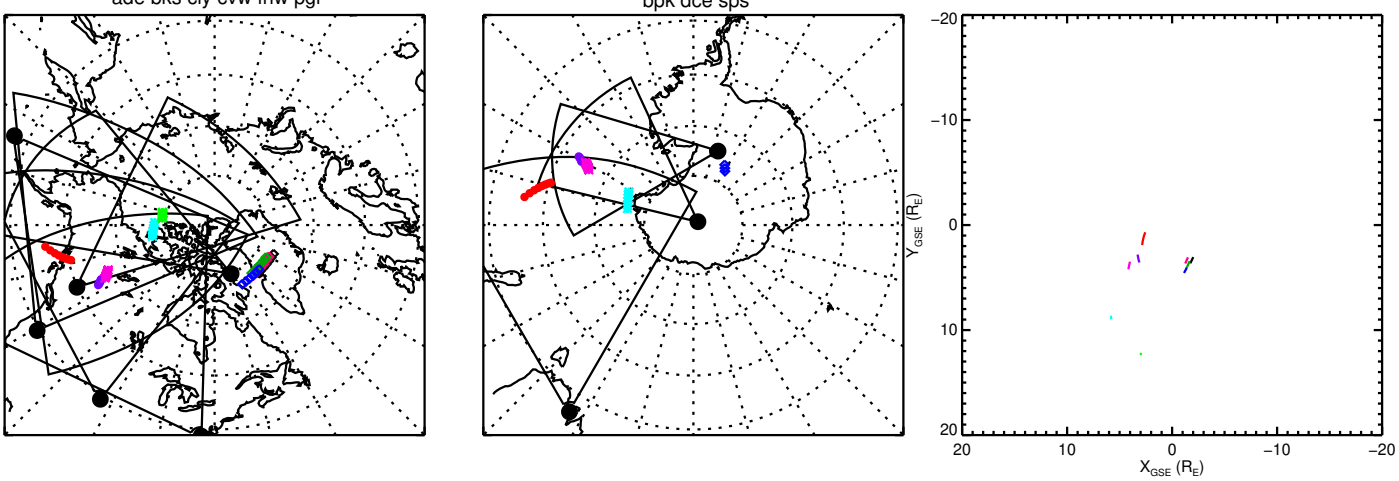


(c) 1420UT to 1940UT
fhe inv pyk sas wal



(d) 2320UT to 2355UT
ade bks cly cvw fhw pgr

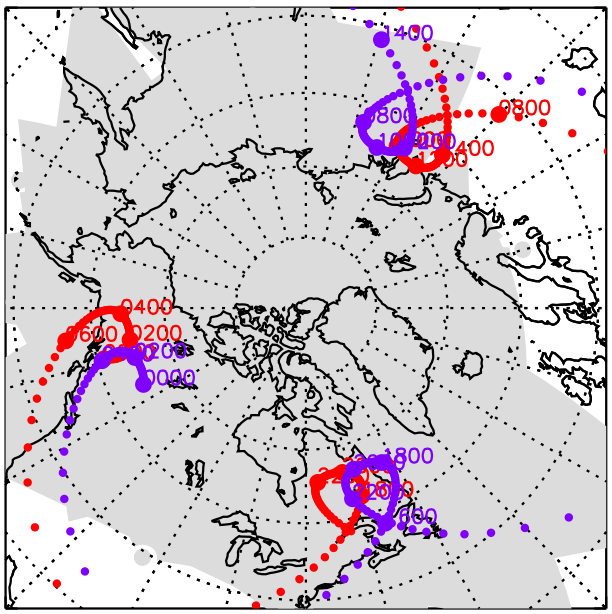
bpk dce sps

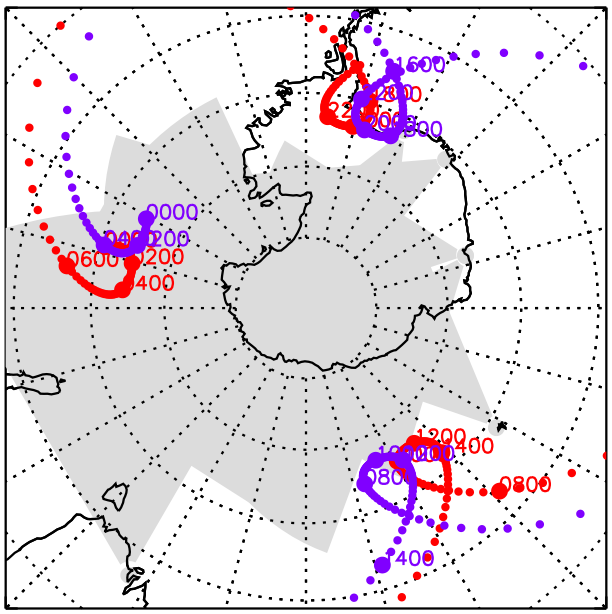


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

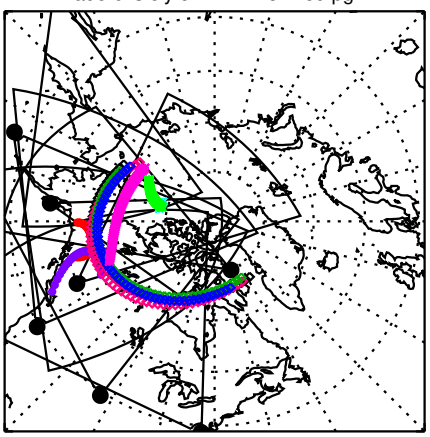
05–Jun–2017

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

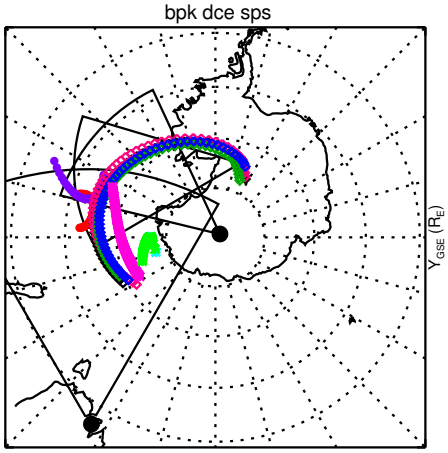


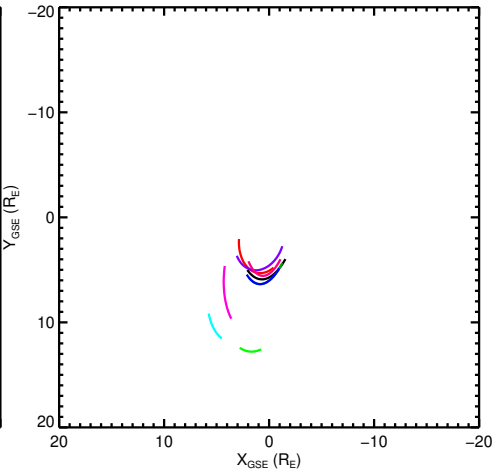


(a) 0000UT to 0445UT
ade bks cly cvw fhw hok kod pgr

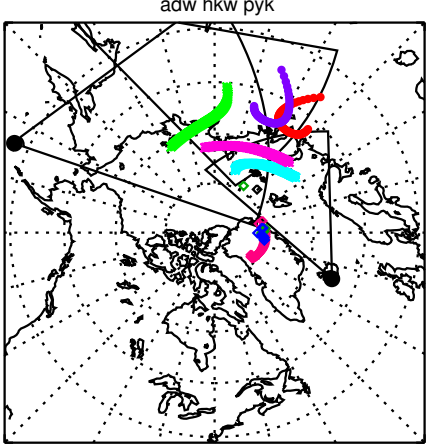


bpk dce sps

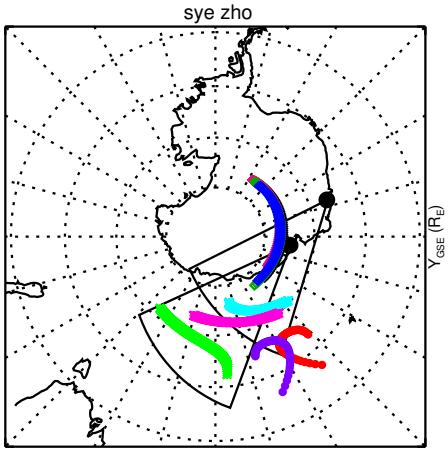


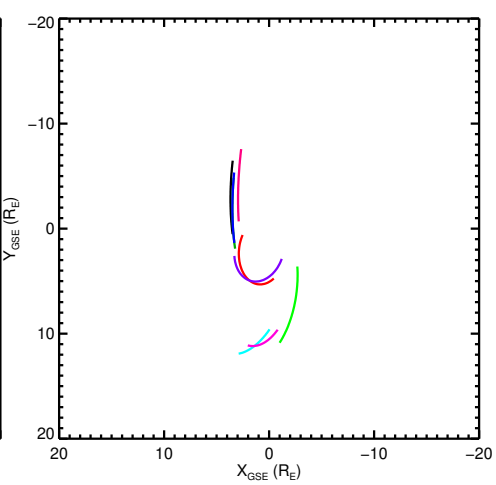


(b) 0815UT to 1345UT
adw hkw pyk

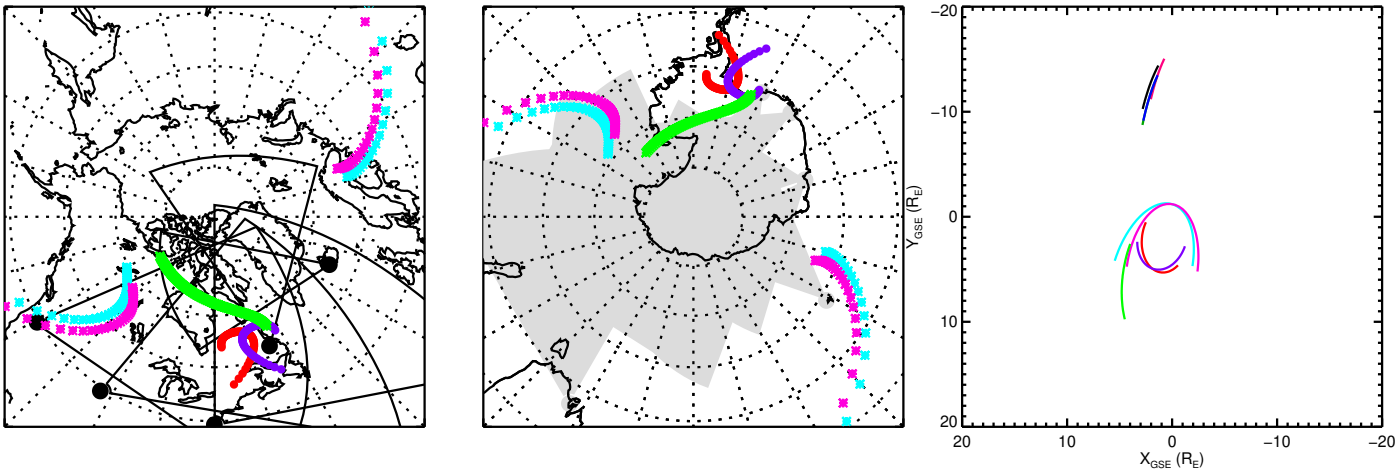


sye zho





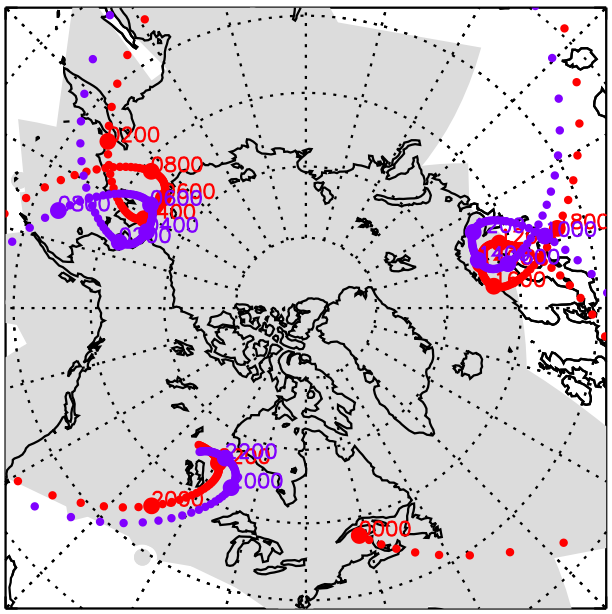
(c) 1710UT to 2250UT
cve fhe gbr sto wal

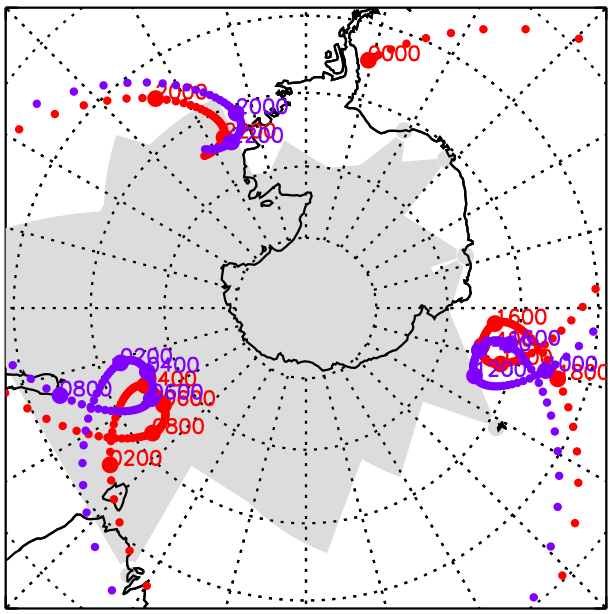


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

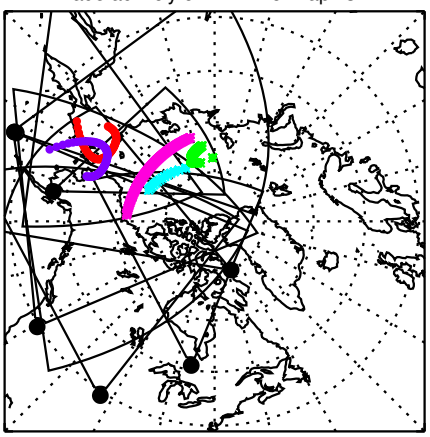
06–Jun–2017

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

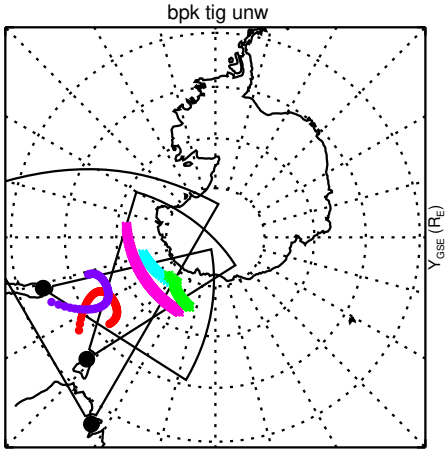


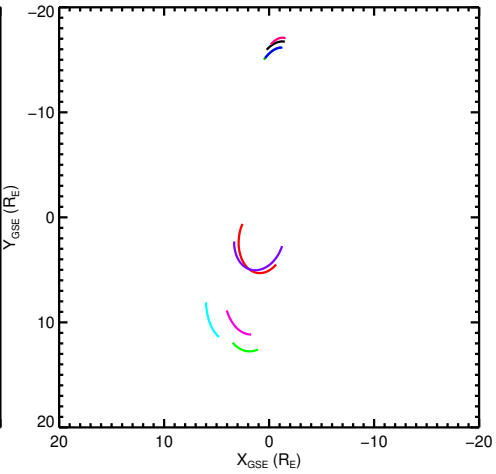


(a) 0210UT to 0755UT
ade adw cly cvw fhw hok kap ksr

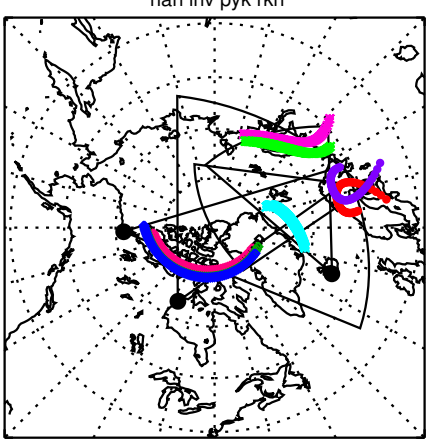


bpk tig unw





(b) 1105UT to 1655UT
han inv pyk rkn



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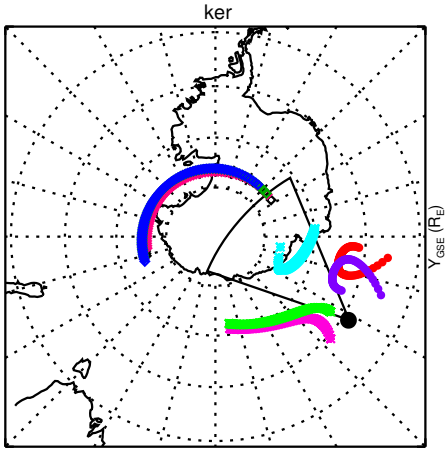
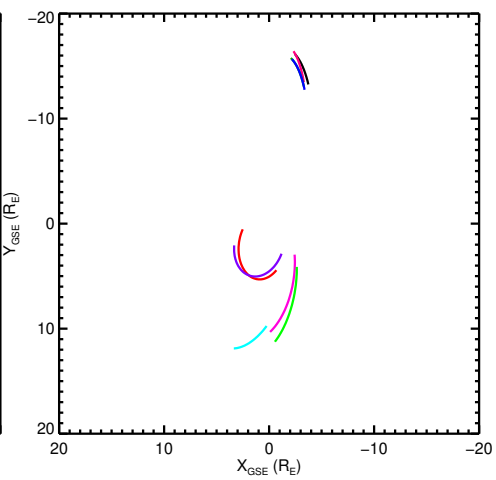
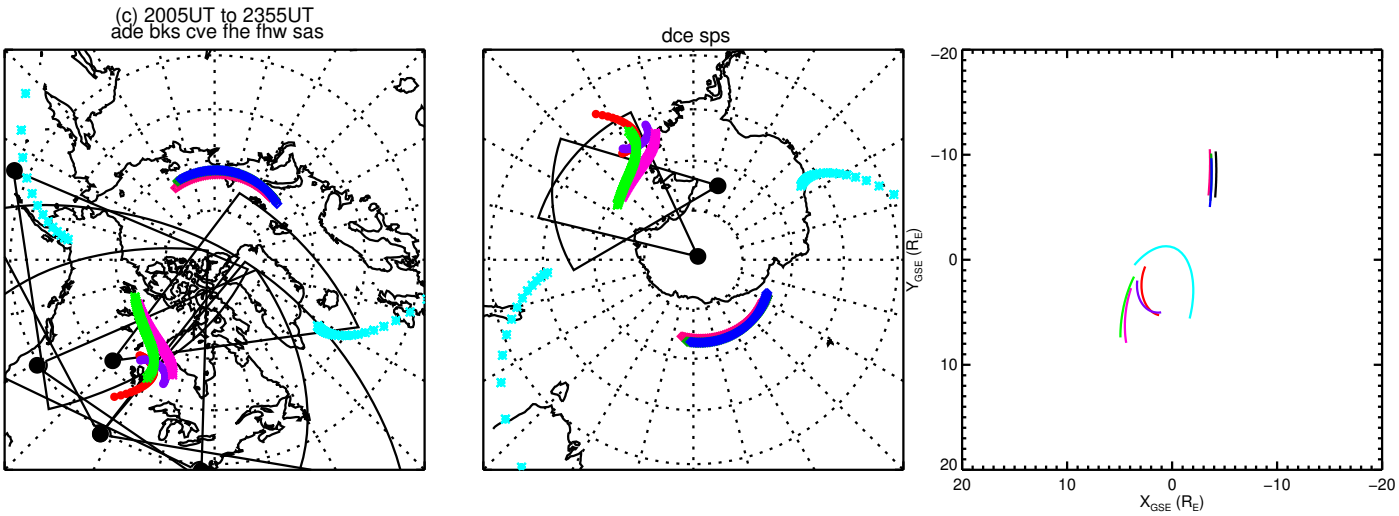


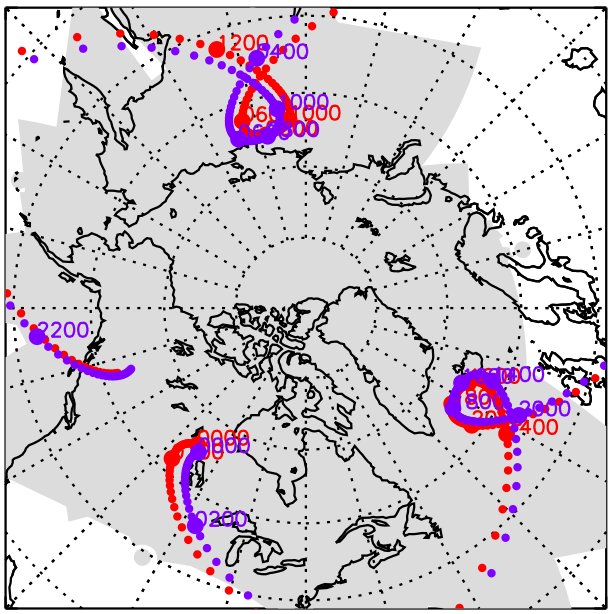


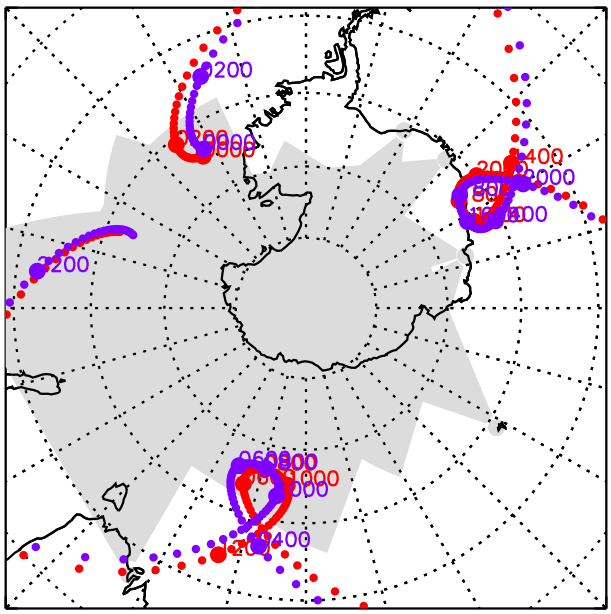

(c) 2005UT to 2355UT
ade bks cve fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

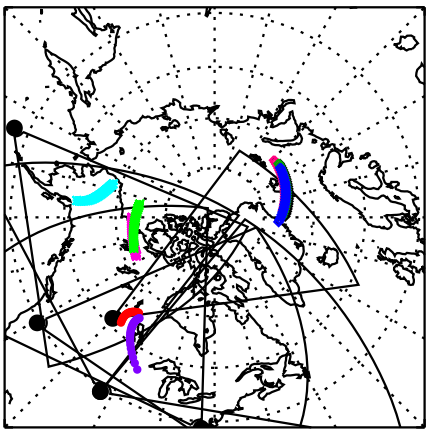
07–Jun–2017

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

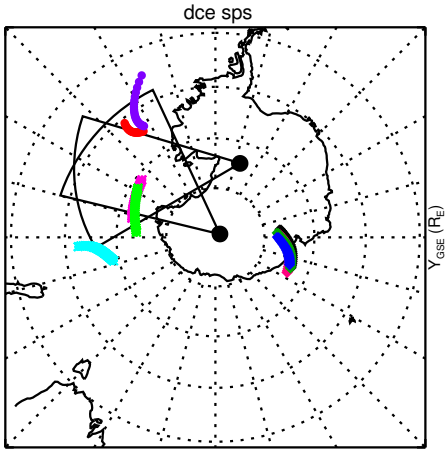


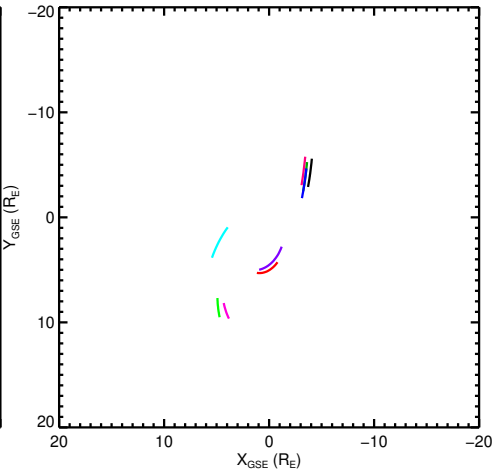


(a) 0000UT to 0200UT
ade bks cve fhe fhw sas

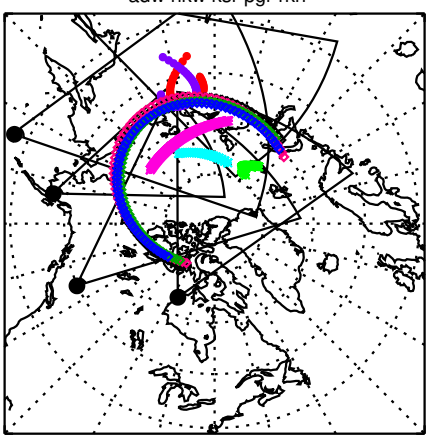


dce sps

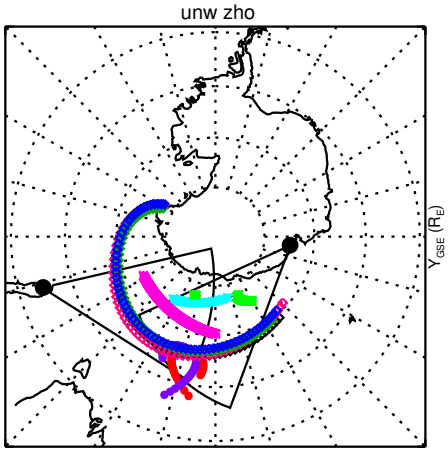


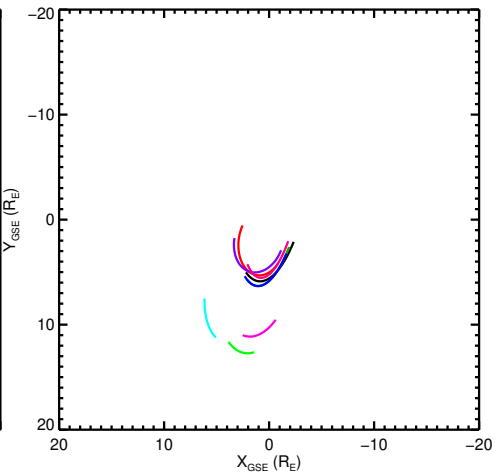


(b) 0500UT to 1100UT
adw hkw ksr pgr rkn

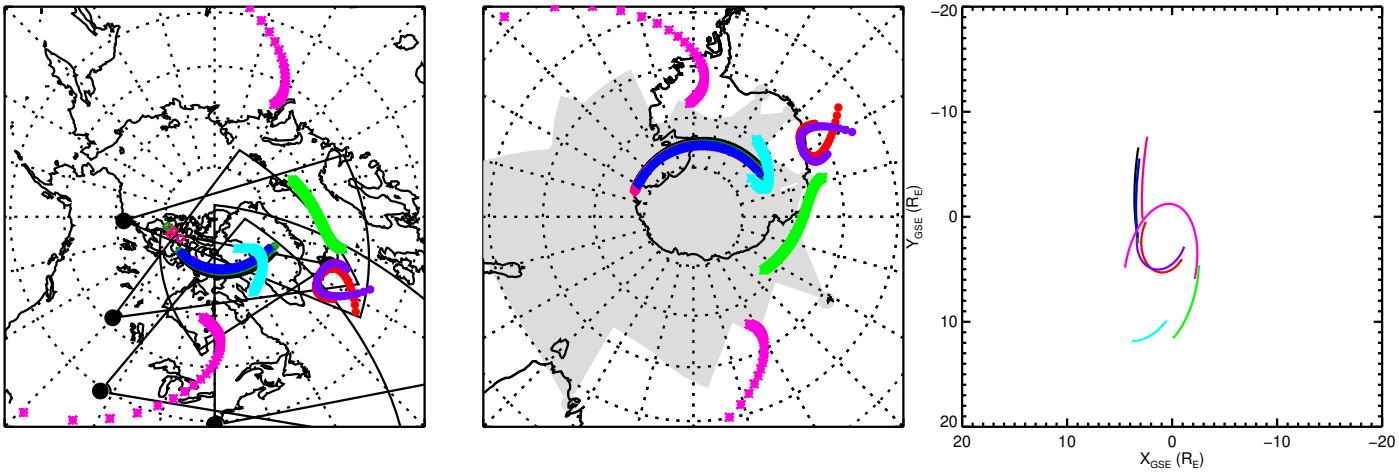


unw zho



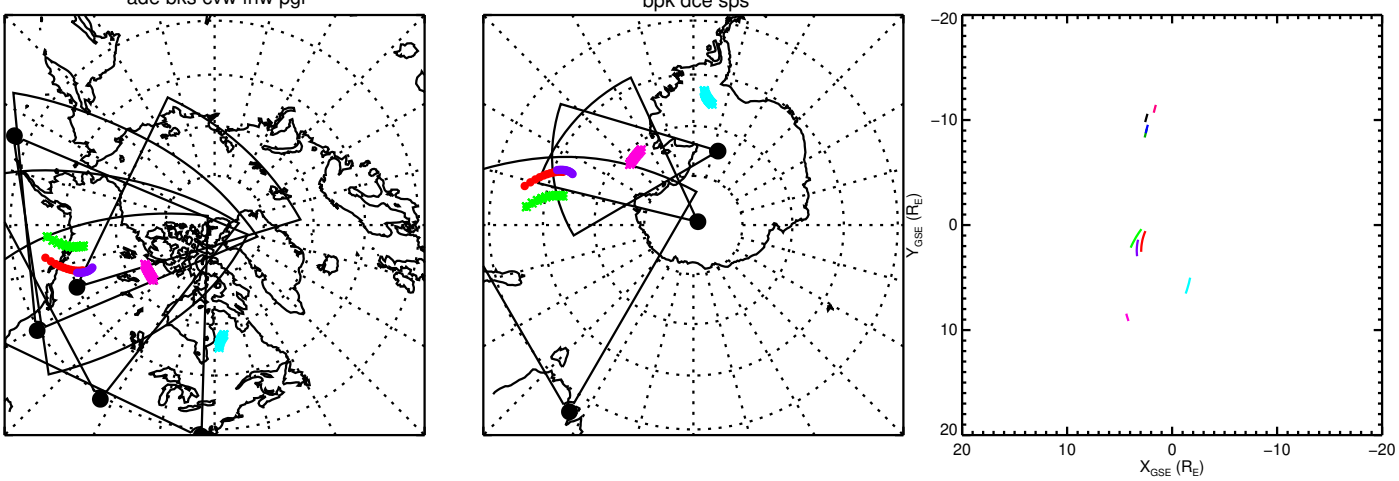


(c) 1355UT to 2005UT
fhe inv sas sto wal



(d) 2255UT to 2355UT
ade bks cvw fhw pgr

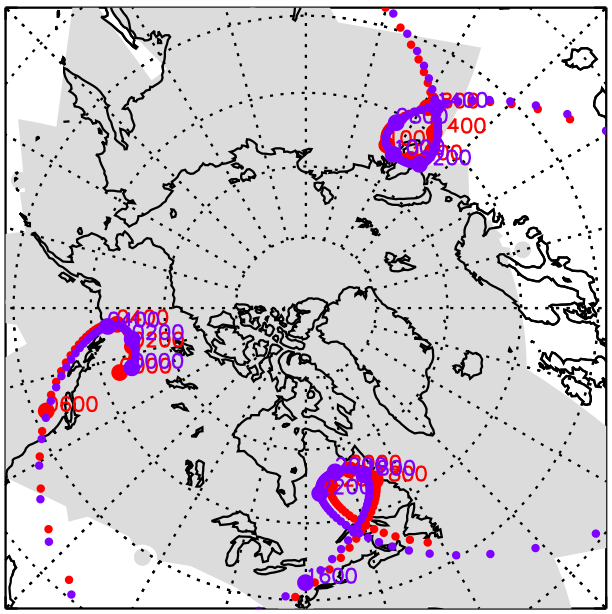
bpk dce sps

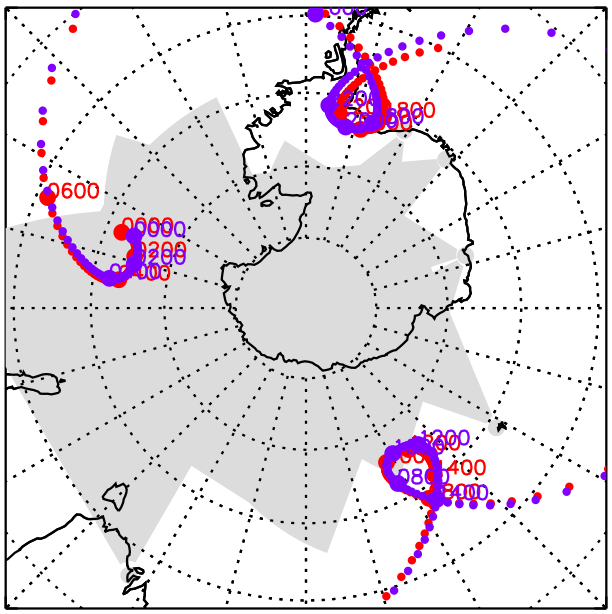


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

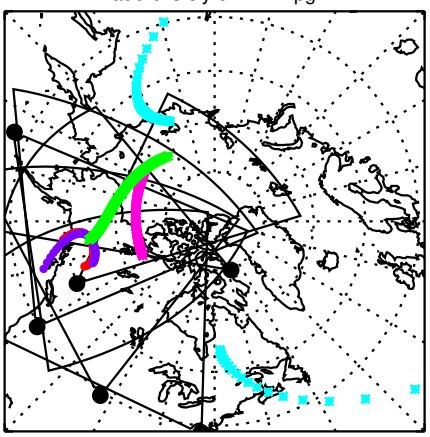
08–Jun–2017

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

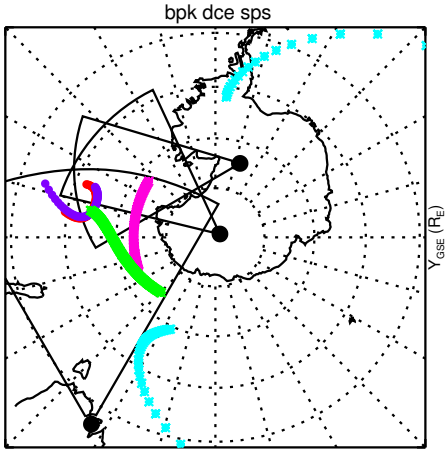


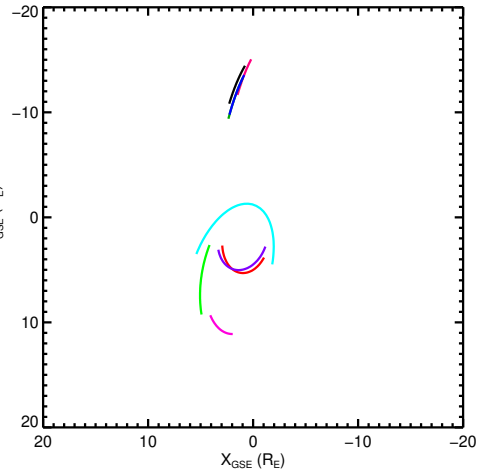


(a) 0000UT to 0510UT
ade bks cly cvw fhw pgr

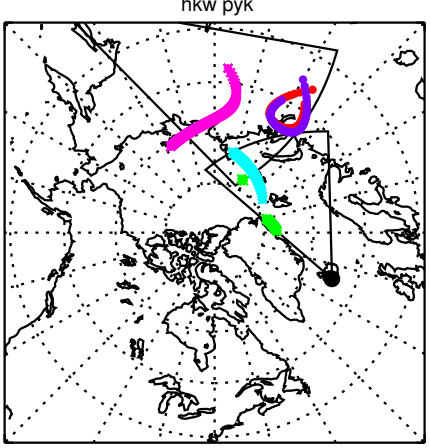


bpk dce sps

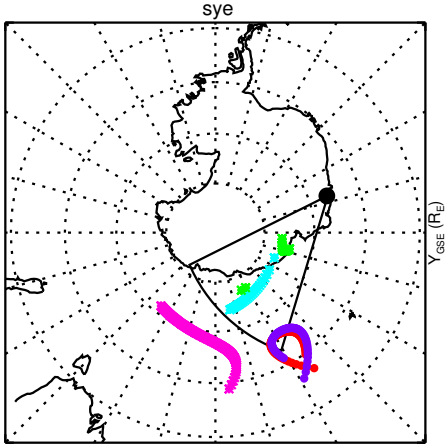


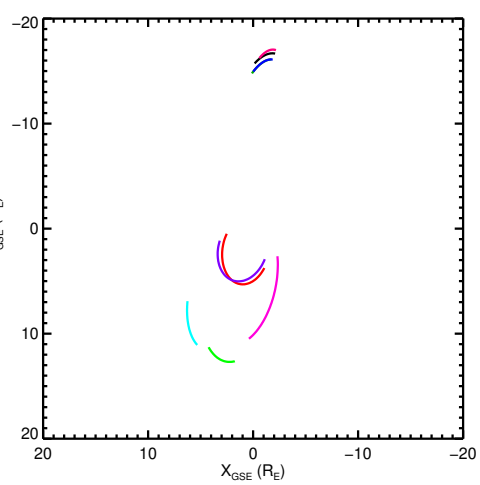


(b) 0750UT to 1410UT
hkw pyk

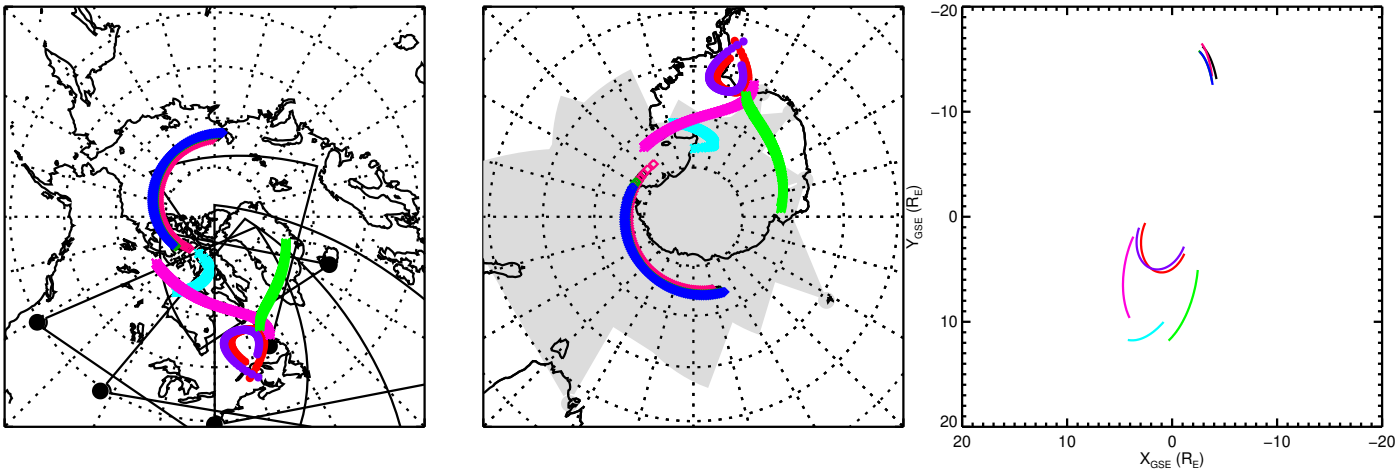


sye





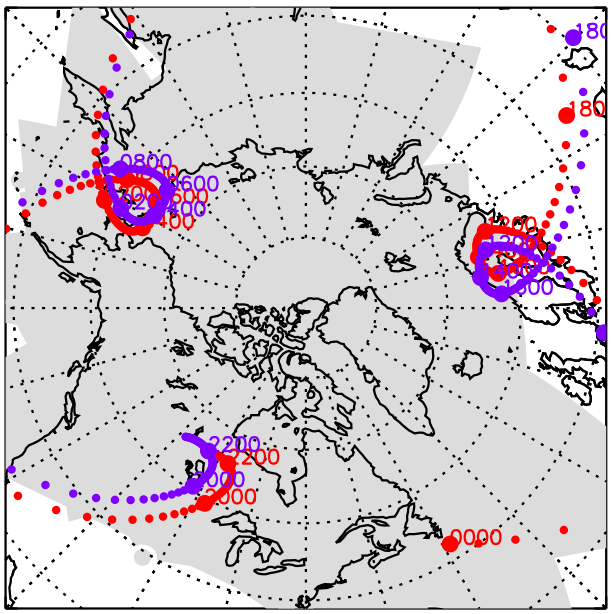
(c) 1650UT to 2315UT
cve fhe gbr sto wal

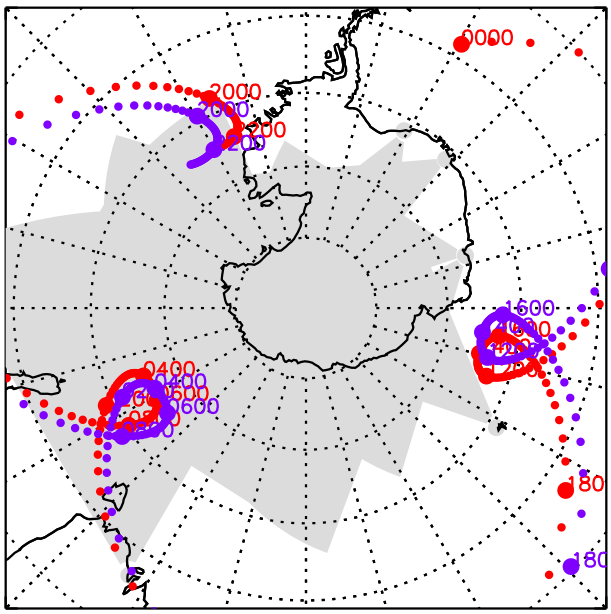


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

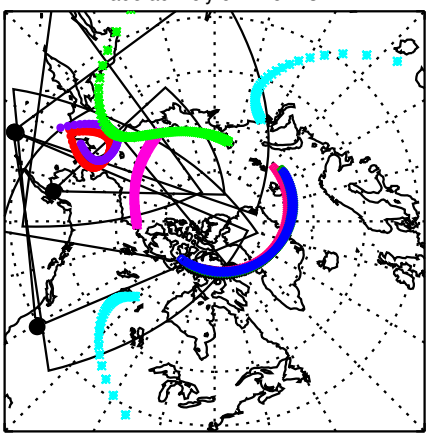
09–Jun–2017

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

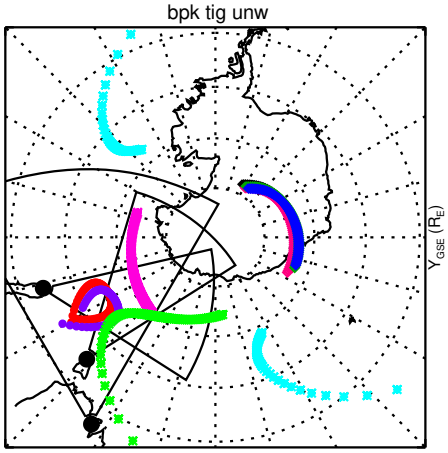


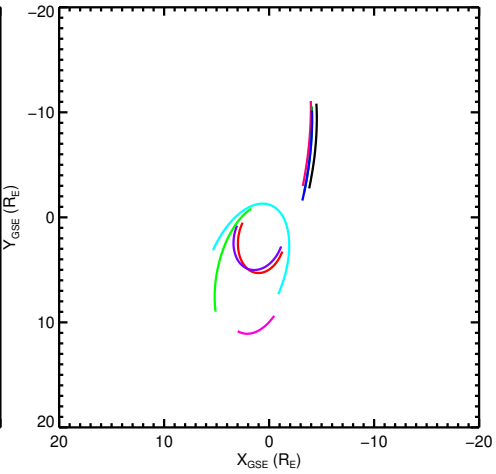


(a) 0145UT to 0820UT
ade adw cly cvw hok ksr

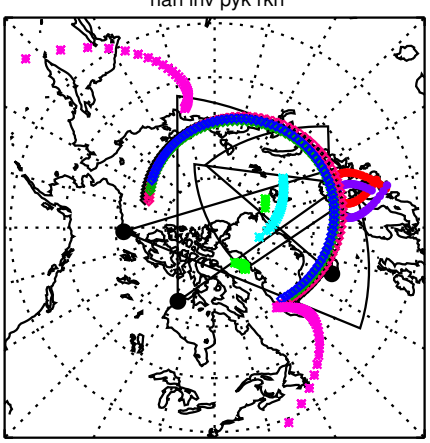


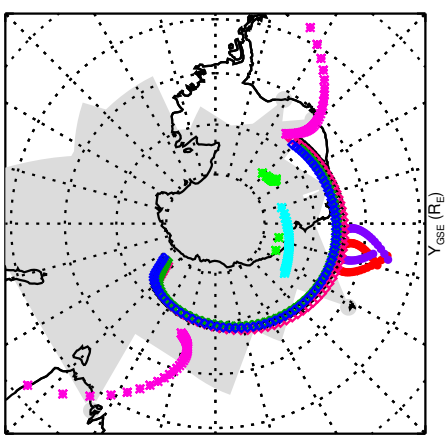
bpk tig unw

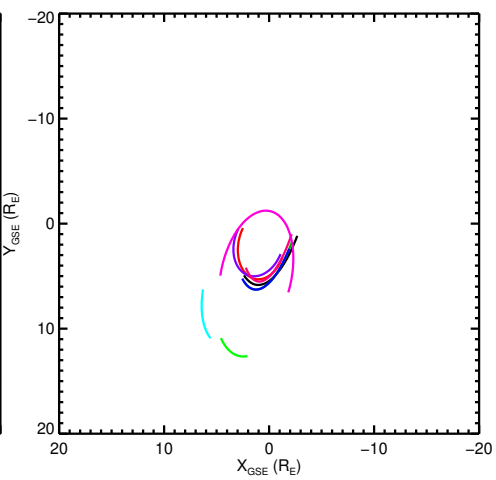


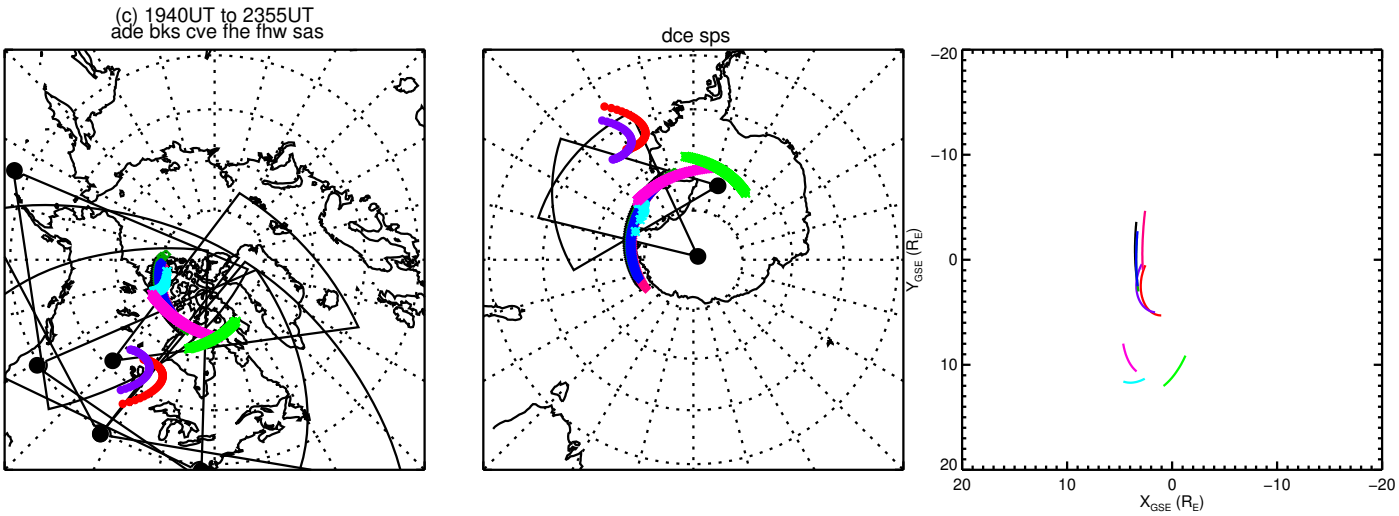


(b) 1040UT to 1720UT
han inv pyk rkn





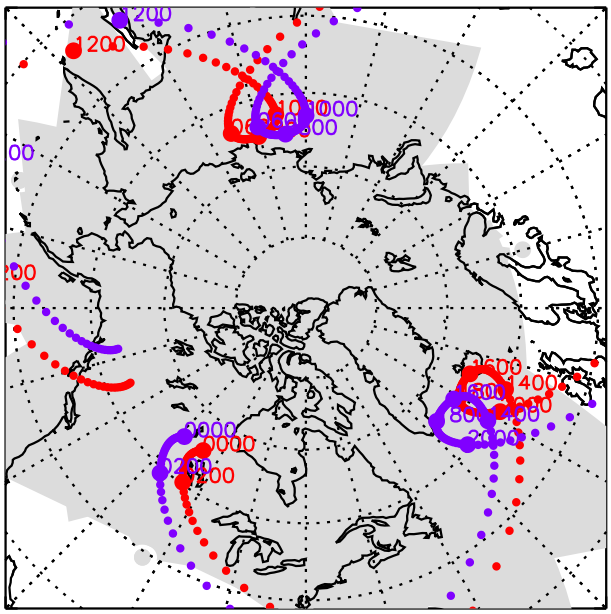


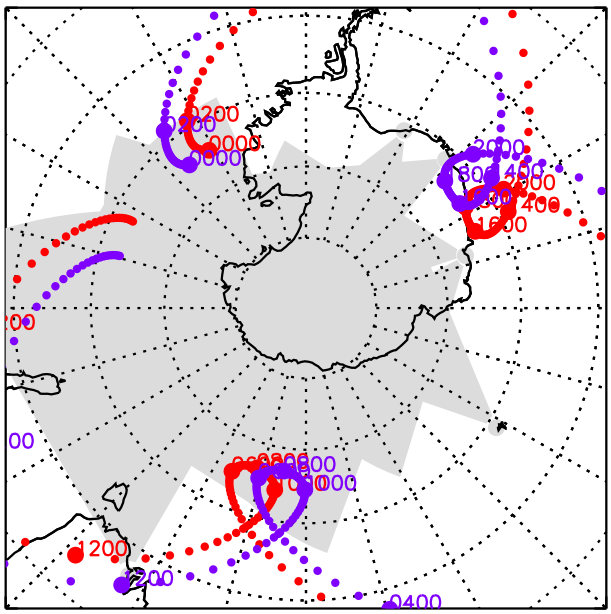

(c) 1940UT to 2355UT
ade bks cve fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

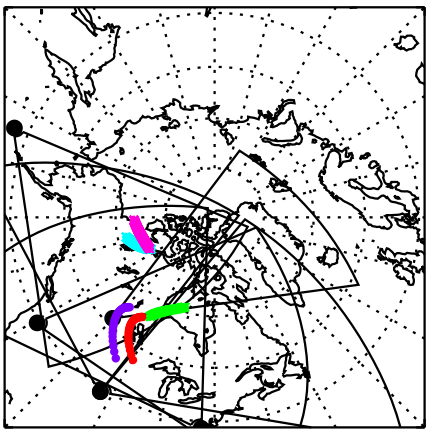
10–Jun–2017

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

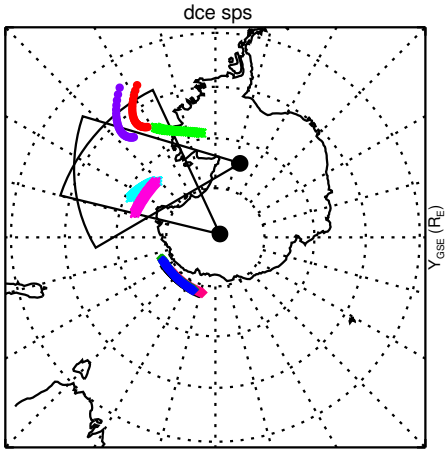


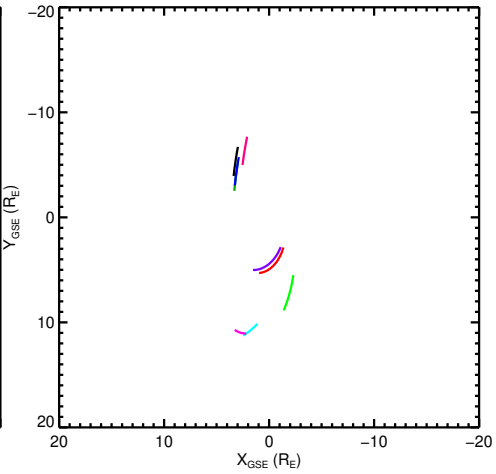


(a) 0000UT to 0225UT
ade bks cve fhe fhw sas

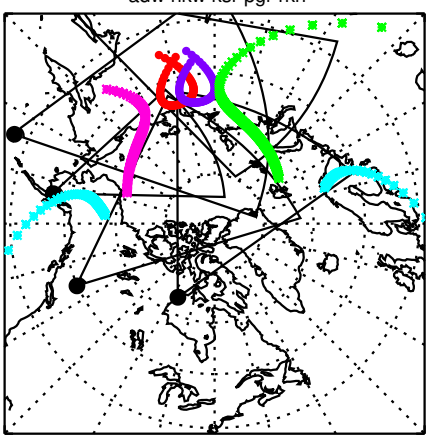


dce sps

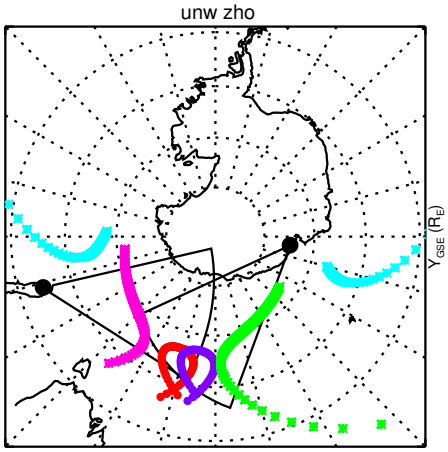


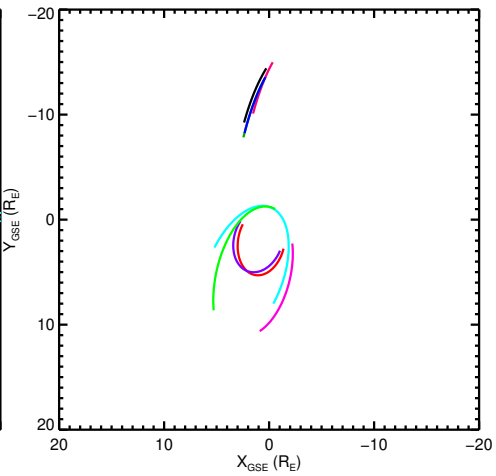


(b) 0435UT to 1125UT
adw hkw ksr pgr rkn

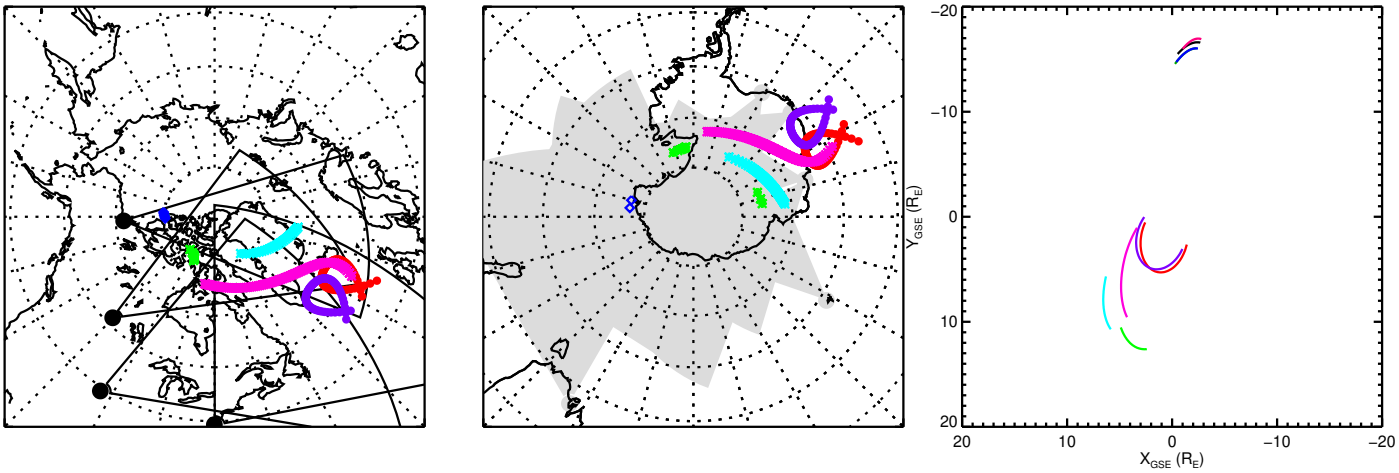


unw zho



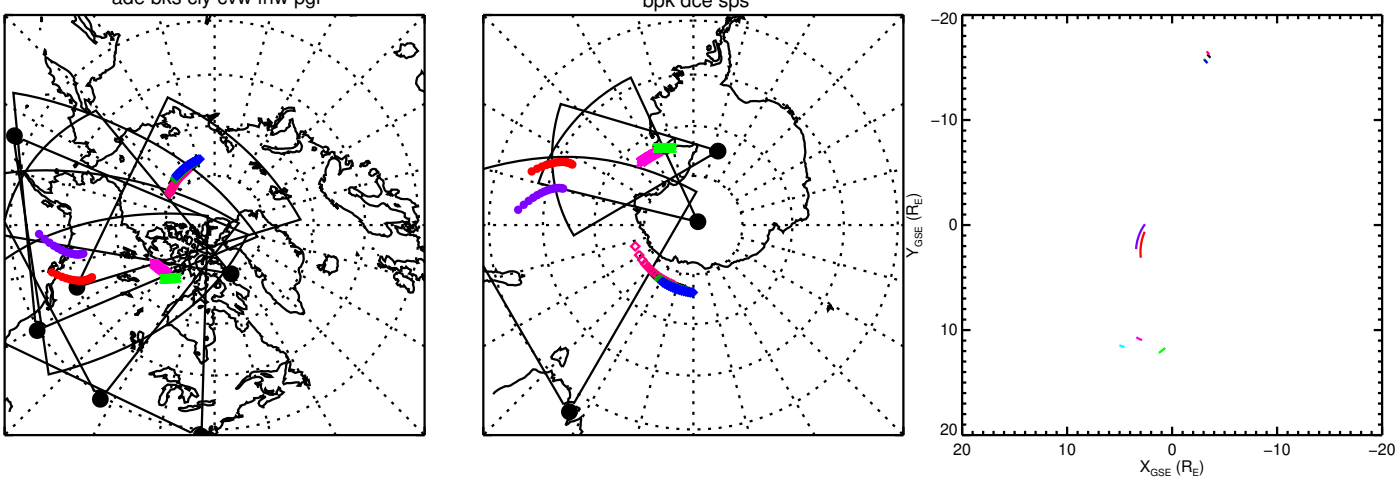


(c) 1335UT to 2025UT
fhe inv sas wal



(d) 2235UT to 2355UT
ade bks cly cvw fhw pgr

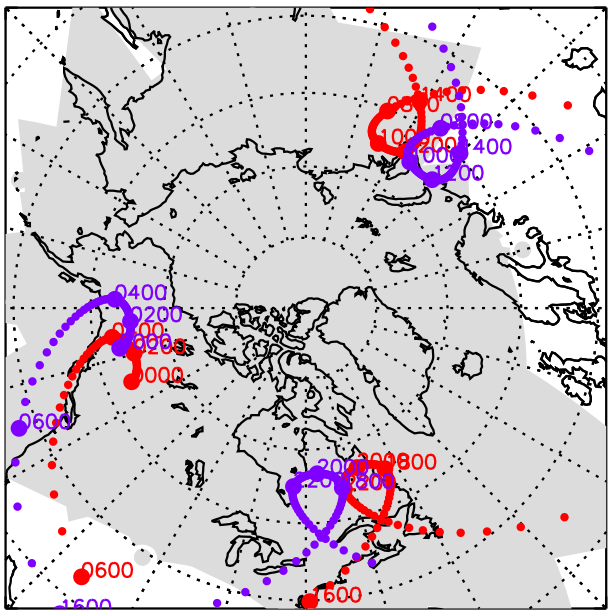
bpk dce sps

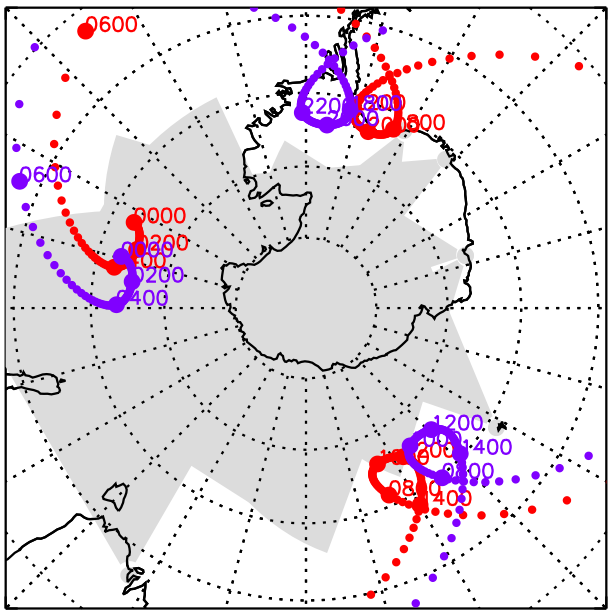


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

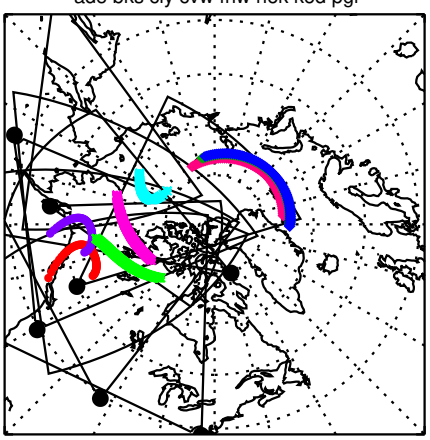
11–Jun–2017

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

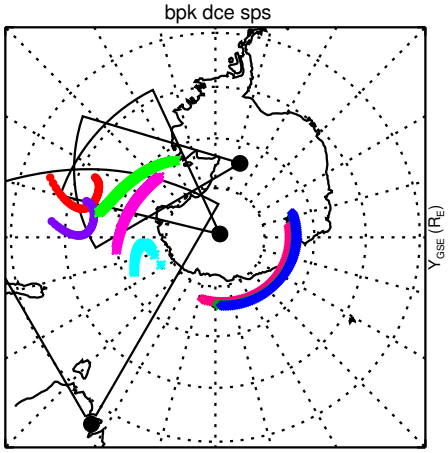


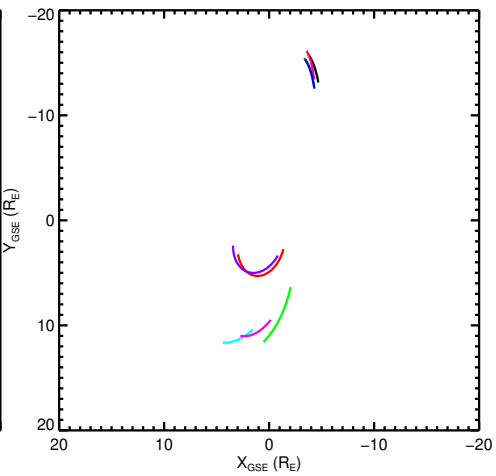


(a) 0000UT to 0520UT
ade bks cly cvw fhw hok kod pgr

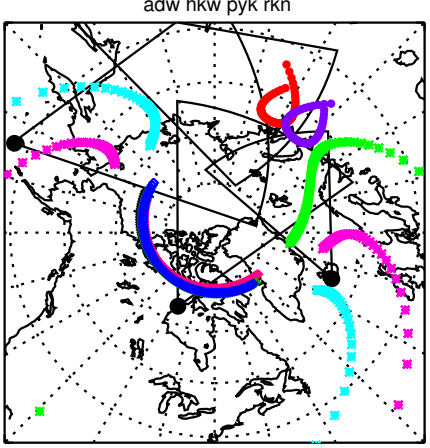


bpk dce sps

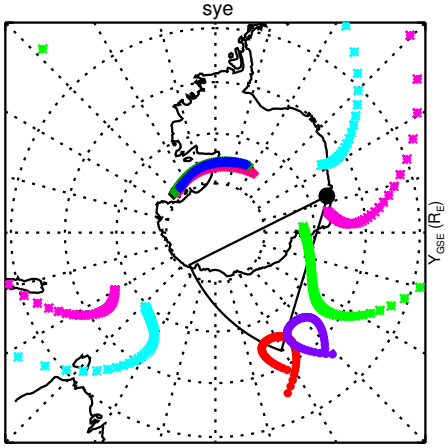


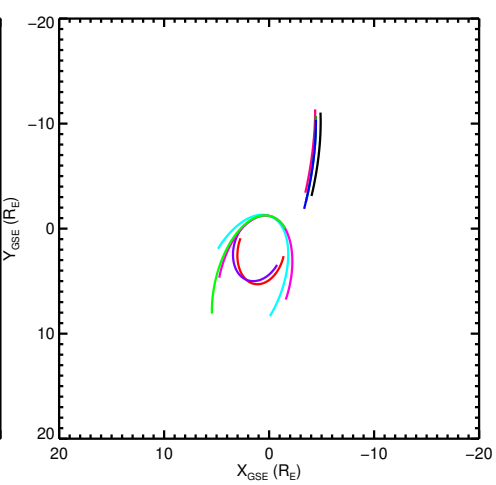


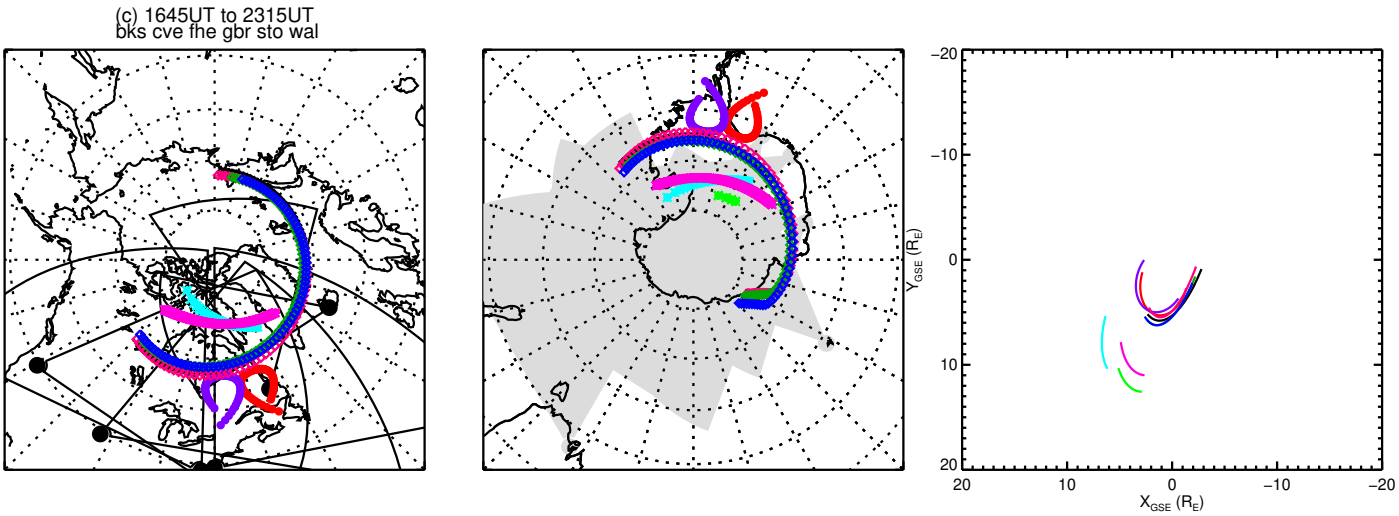
(b) 0740UT to 1420UT
adw hkw pyk rkn



sye



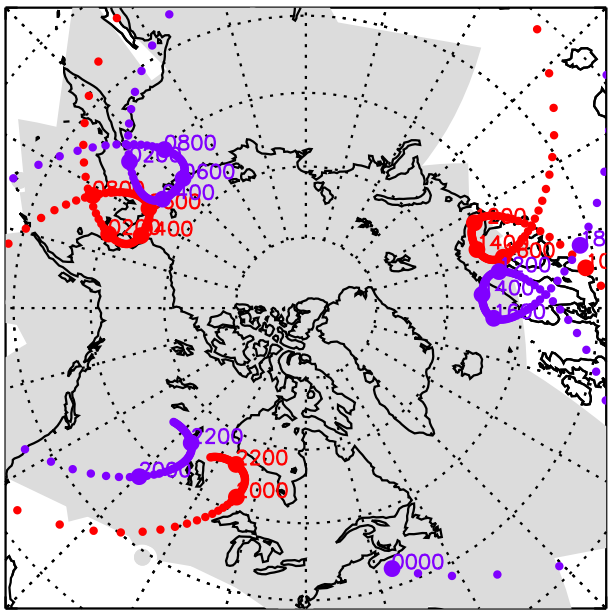


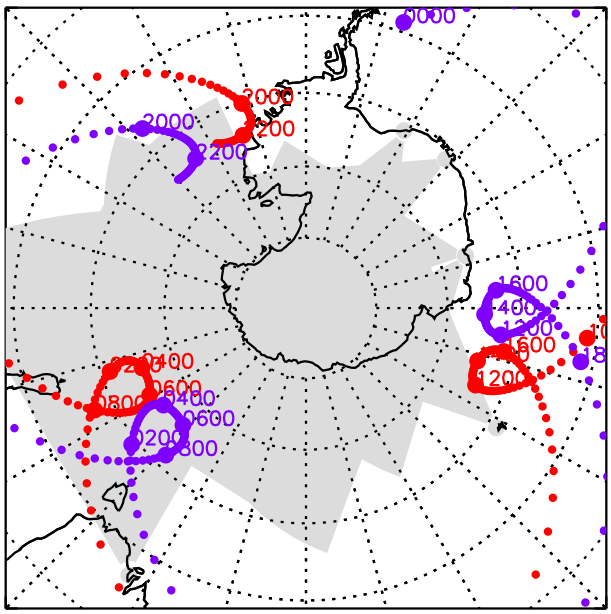

(c) 1645UT to 2315UT
bks cve fhe gbr sto wal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

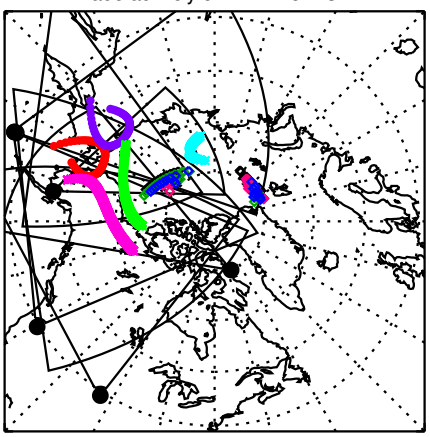
12–Jun–2017

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

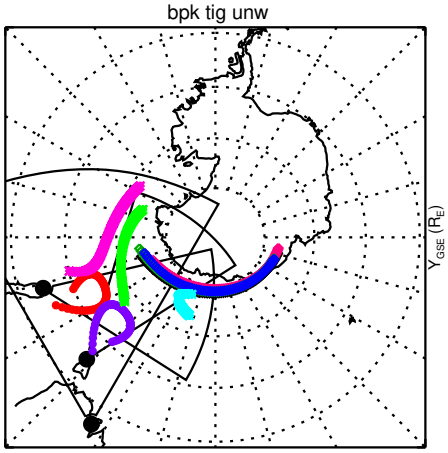


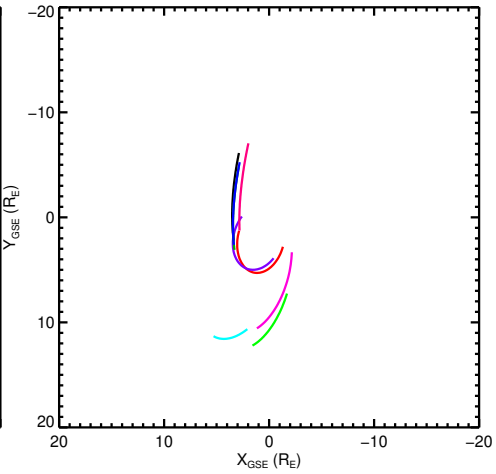


(a) 0145UT to 0810UT
ade adw cly cvw fhw hok ksr

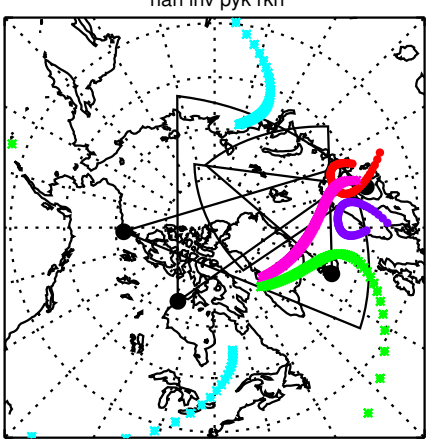


bpk tig unw

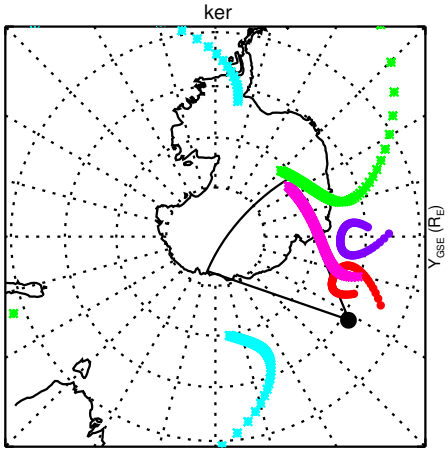


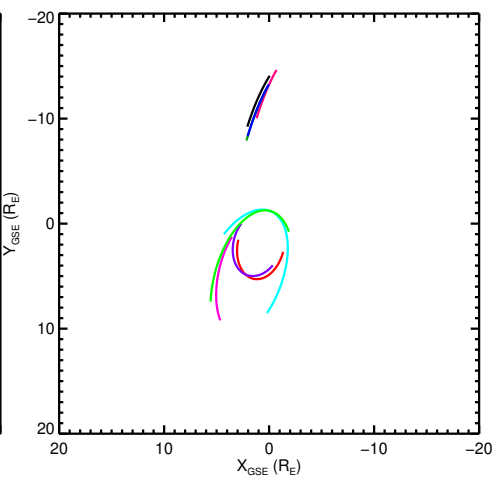


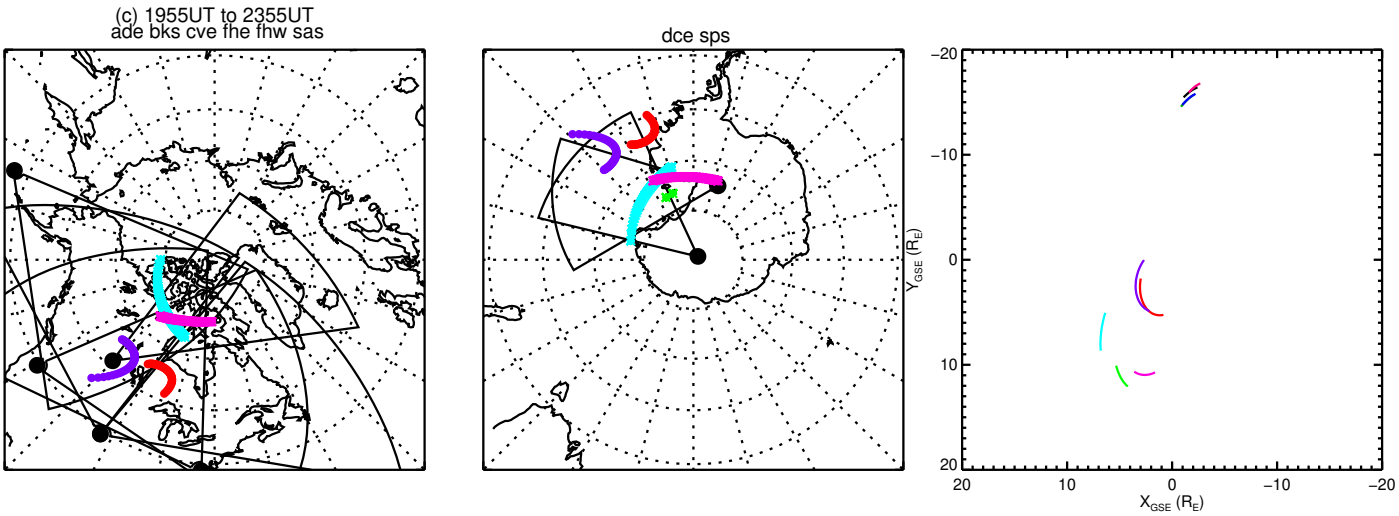
(b) 1050UT to 1710UT
han inv pyk rkn



ker



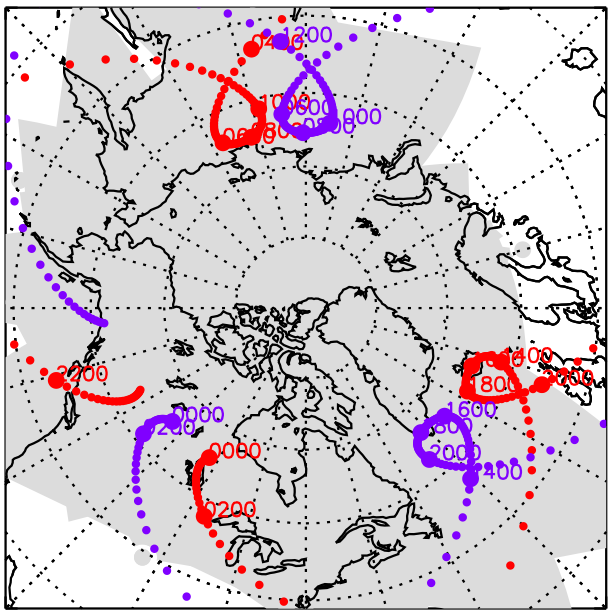


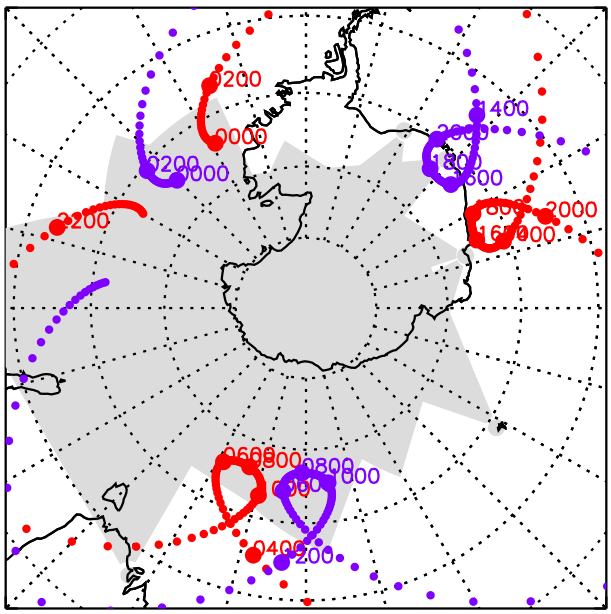

(c) 1955UT to 2355UT
ade bks cve fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

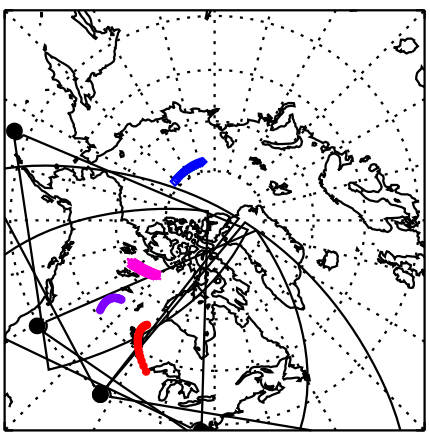
13–Jun–2017

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

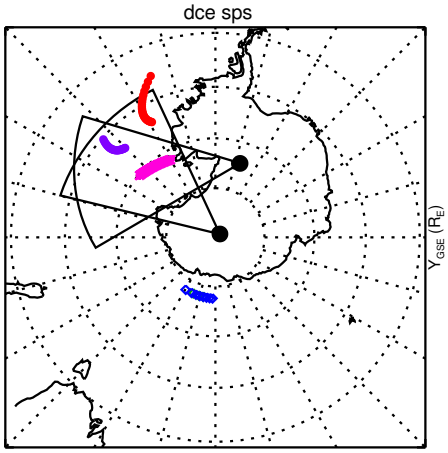


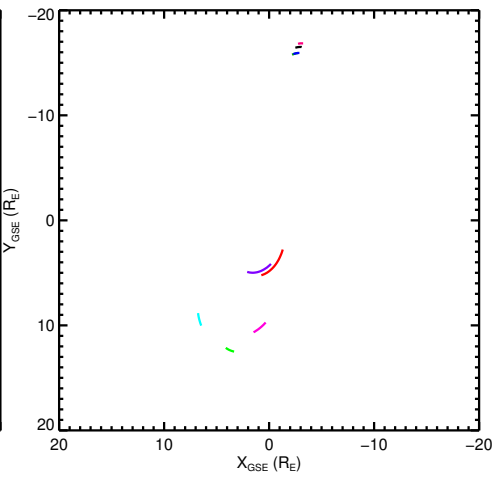


(a) 0000UT to 0205UT
ade bks cve fhe fhw

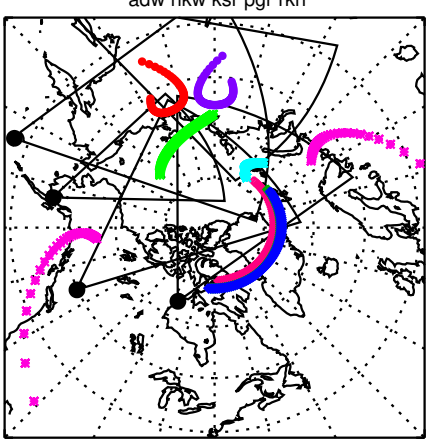


dce sps

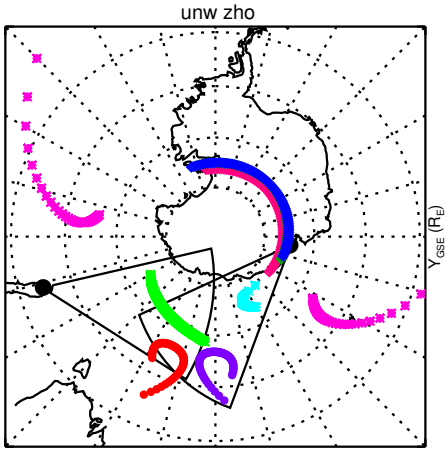


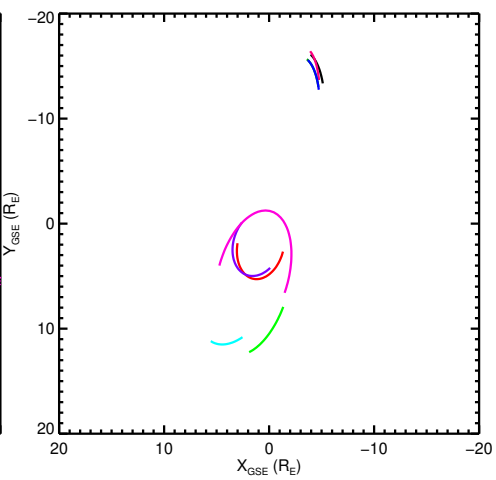


(b) 0455UT to 1105UT
adw hkw ksr pgr rkn

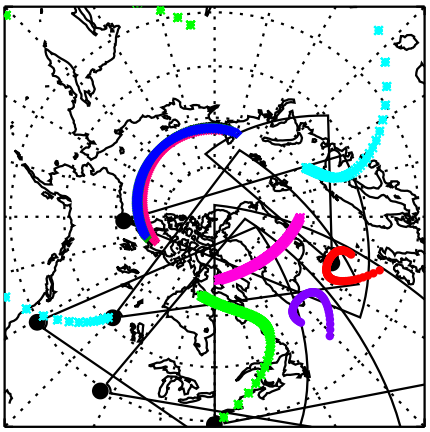


unw zho

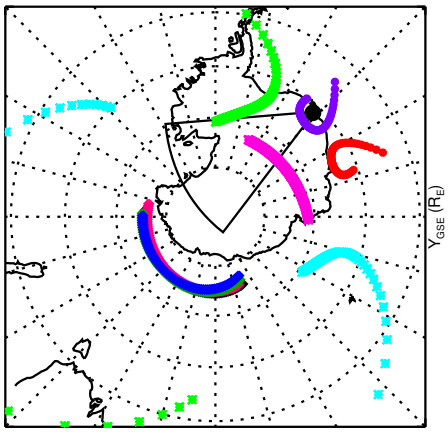


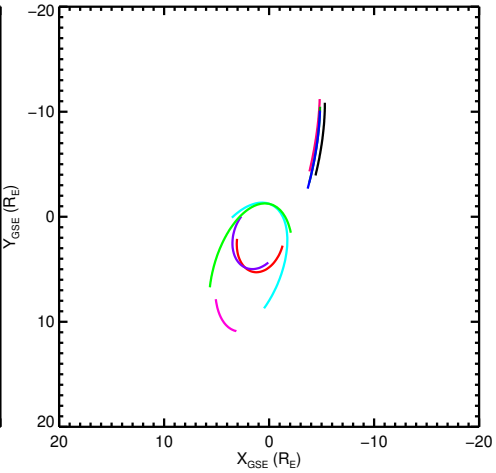


(c) 1400UT to 2000UT
cve fhe inv pyk sas wal

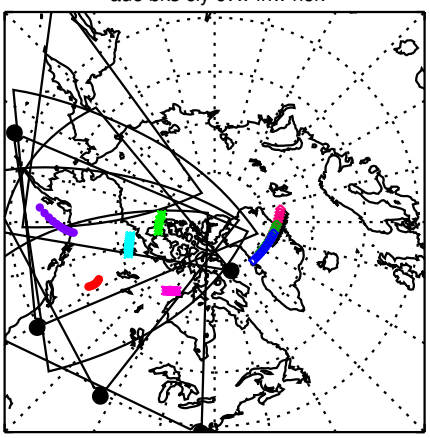


san

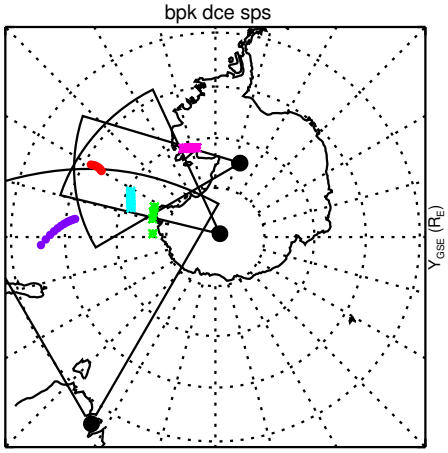


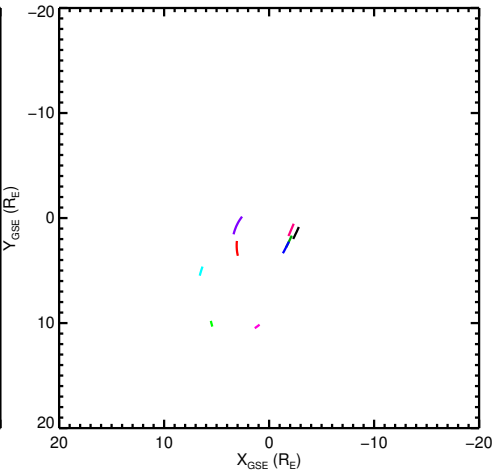


(d) 2300UT to 2355UT
ade bks cly cvw fhw hok



bpk dce sps

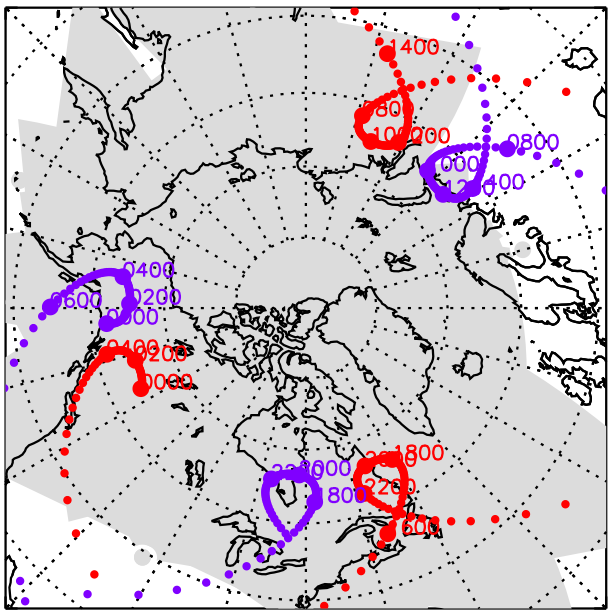


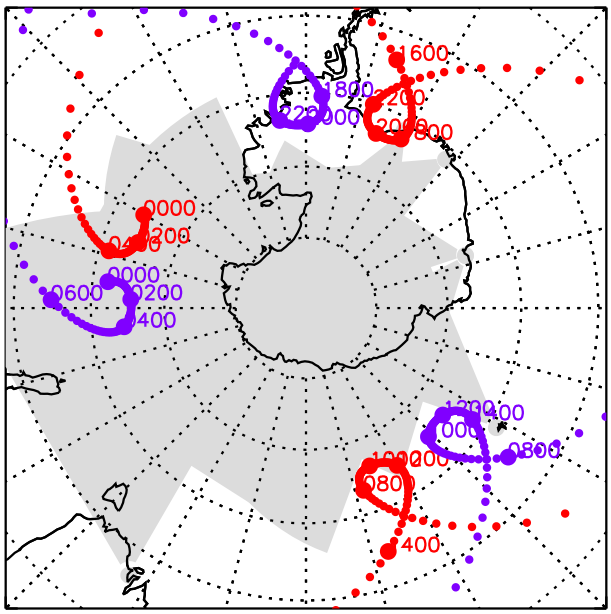


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

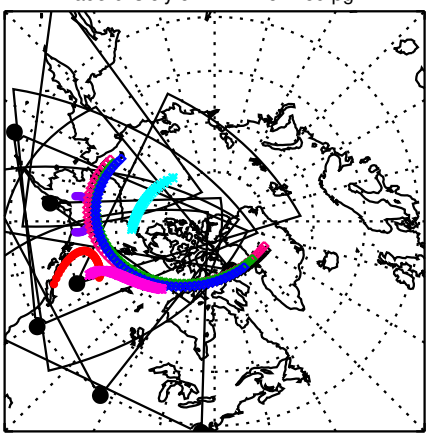
14–Jun–2017

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

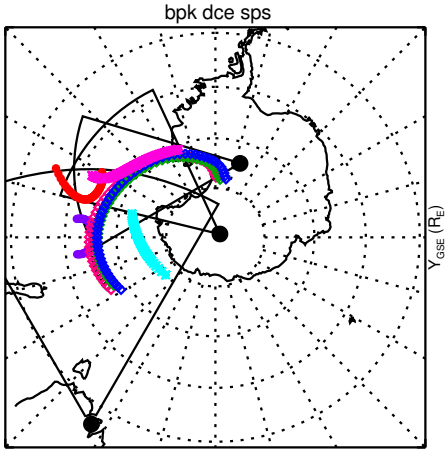


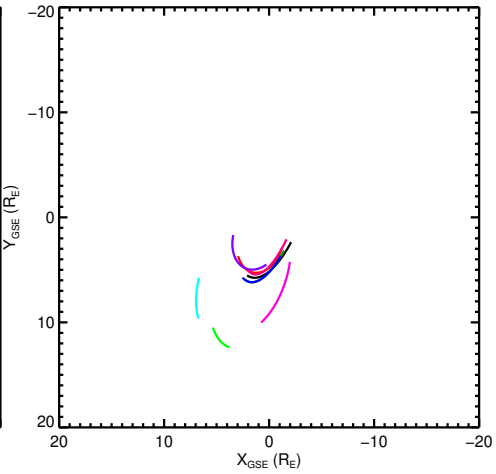


(a) 0000UT to 0455UT
ade bks cly cvw fhw hok kod pgr

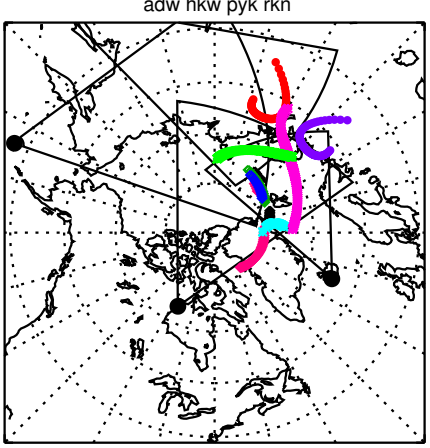


bpk dce sps

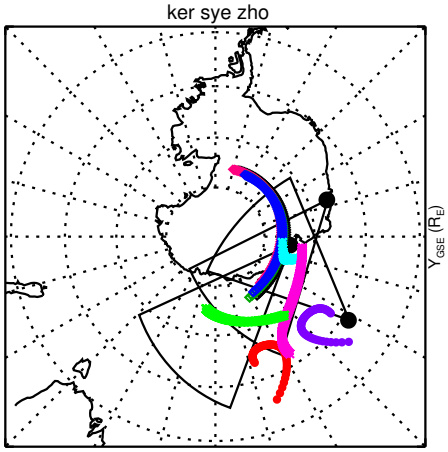


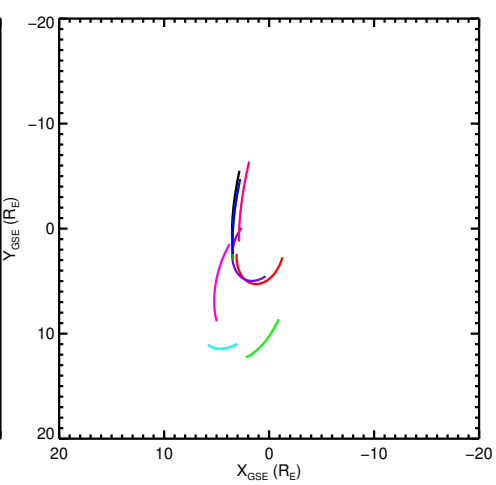


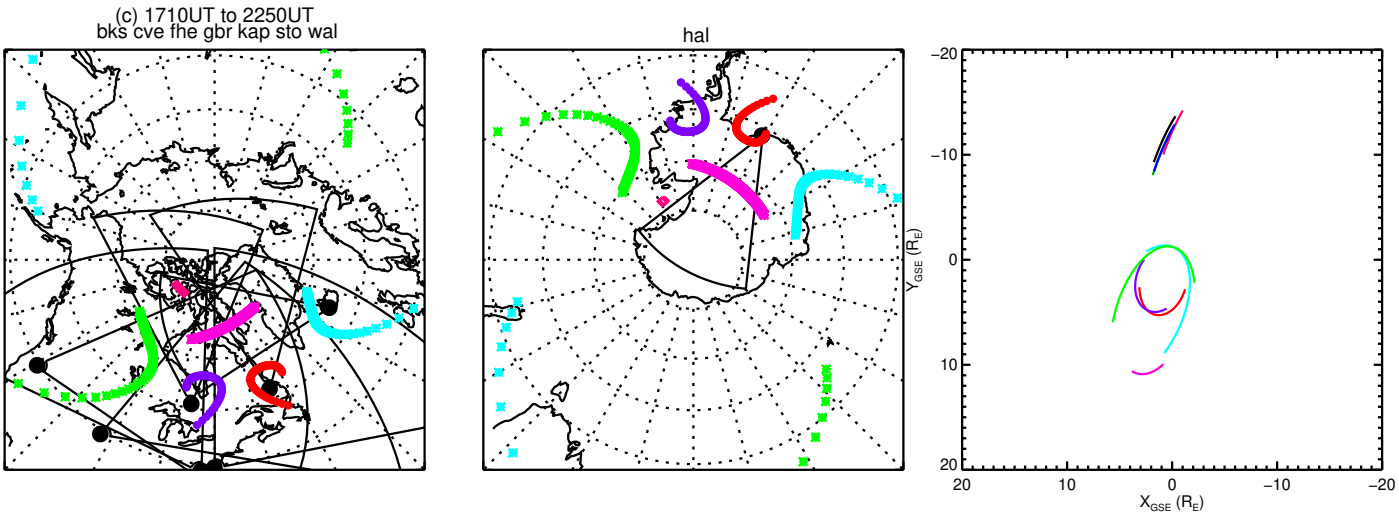
(b) 0805UT to 1355UT
adw hkw pyk rkn



ker sye zho



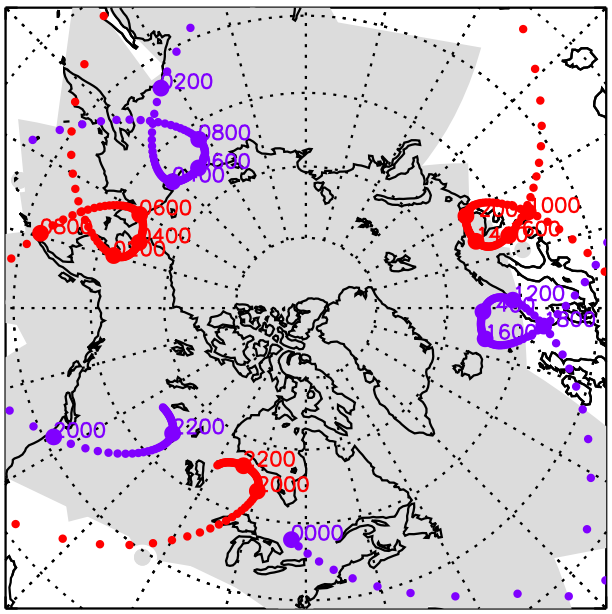


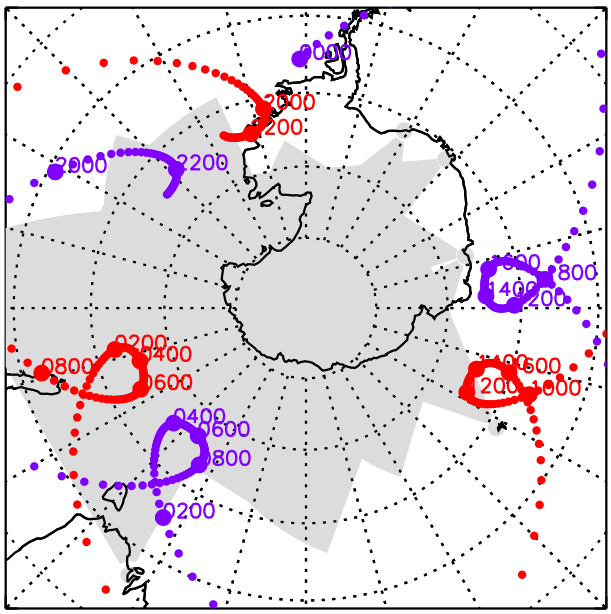

(c) 1710UT to 2250UT
bks cve fhe gbr kap sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

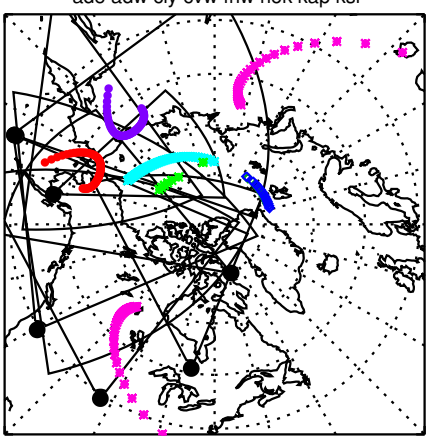
15–Jun–2017

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

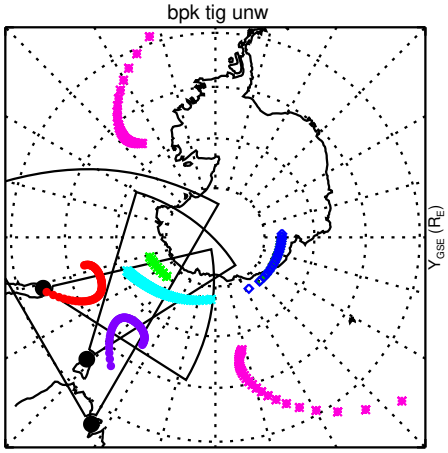


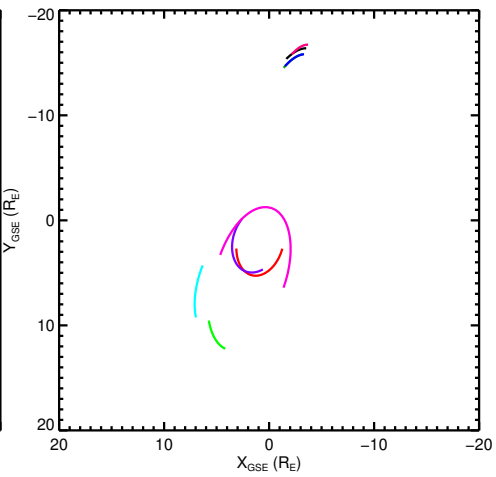


(a) 0210UT to 0750UT
ade adw cly cvw fhw hok kap ksr

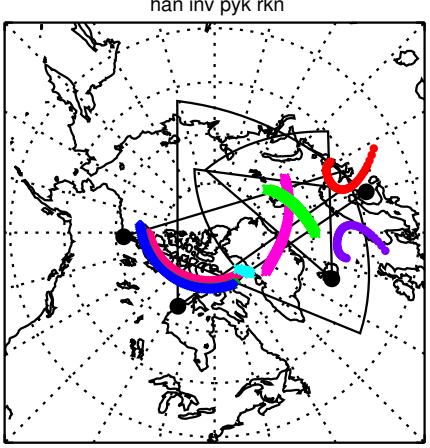


bpk tig unw

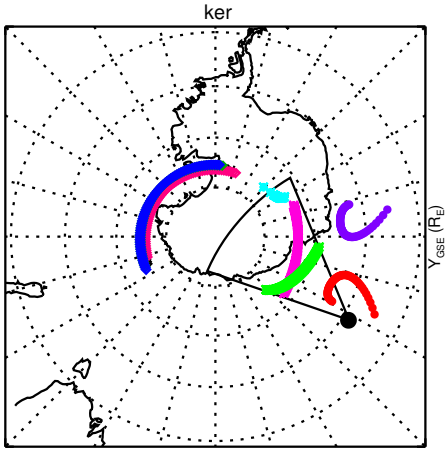


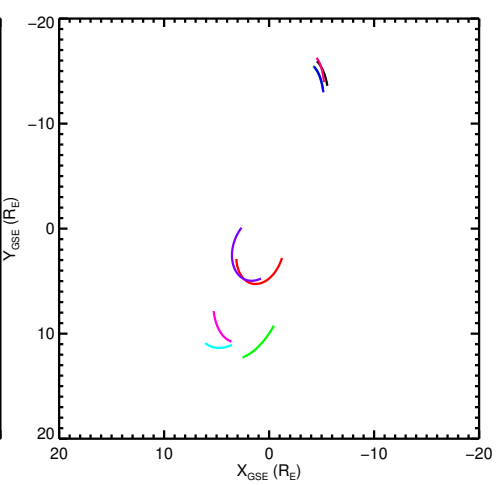


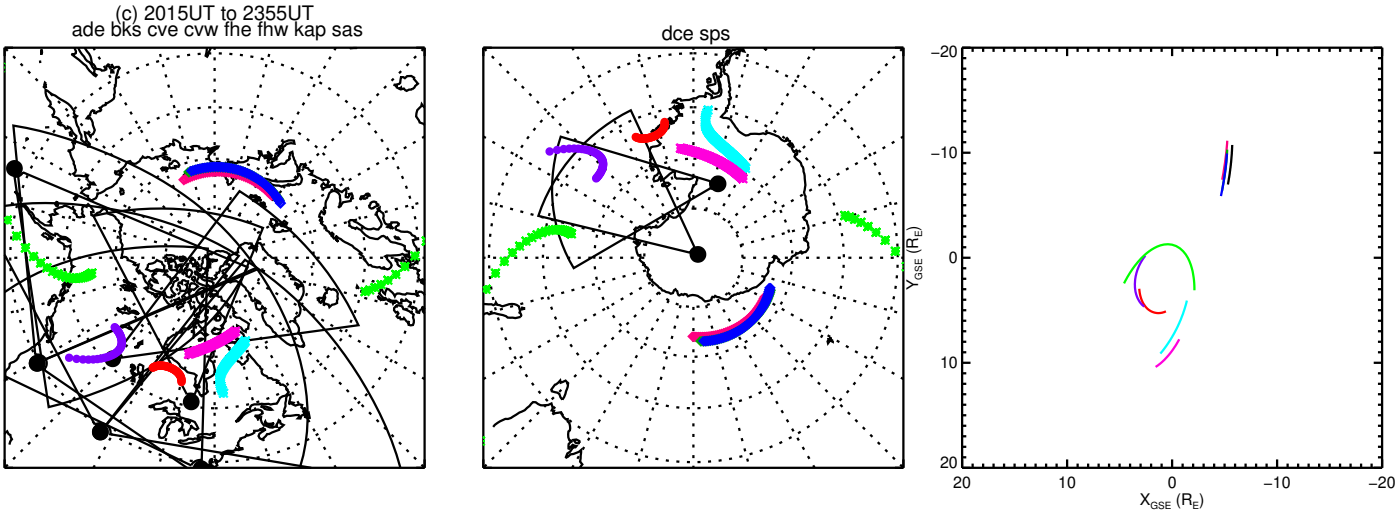
(b) 1115UT to 1645UT
han inv pyk rkn



ker



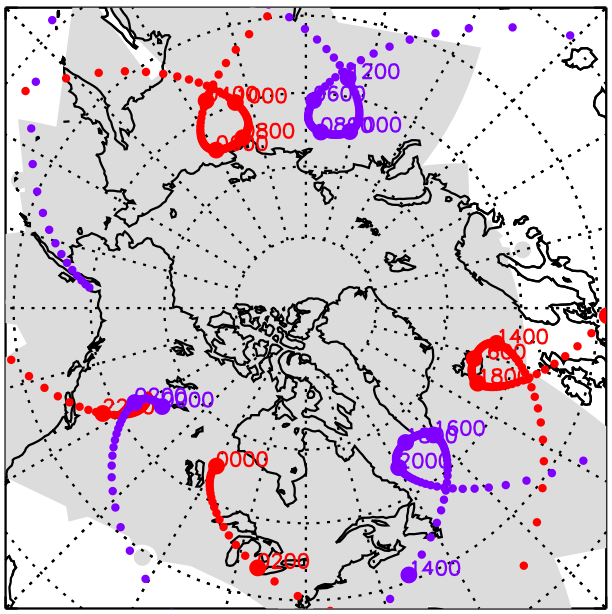


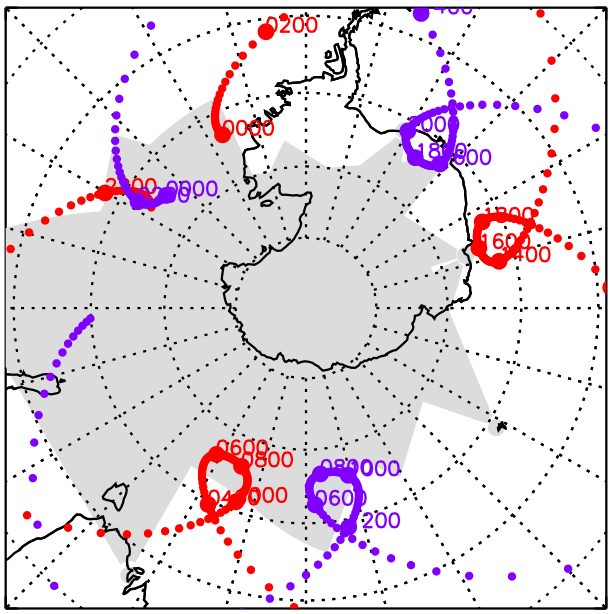

(c) 2015UT to 2355UT
ade bks cve cvw fhe fhw kap sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

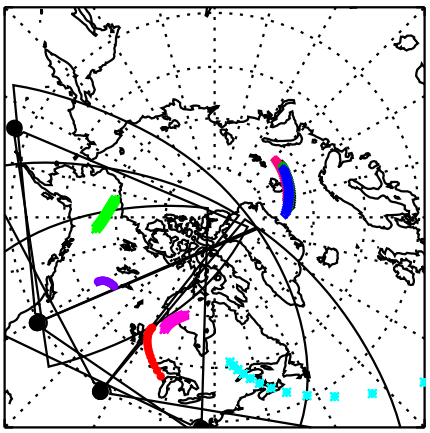
16–Jun–2017

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

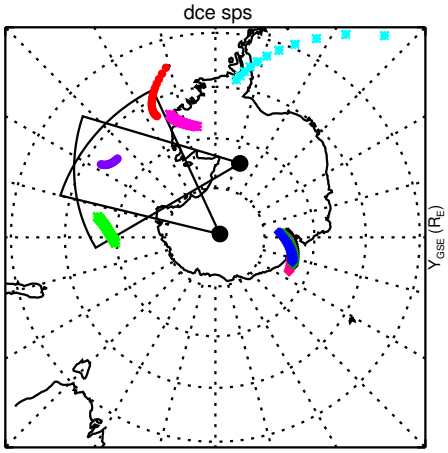


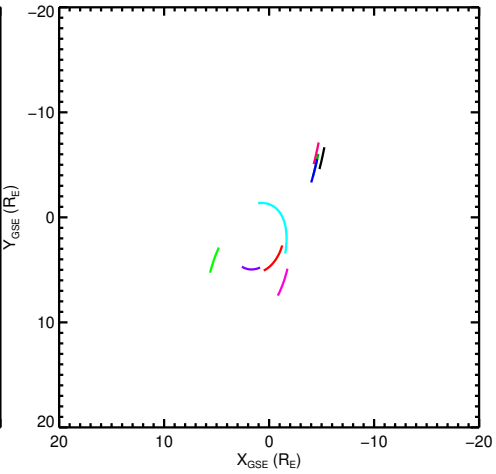


(a) 0000UT to 0145UT
ade bks cve cvw fhe fhw

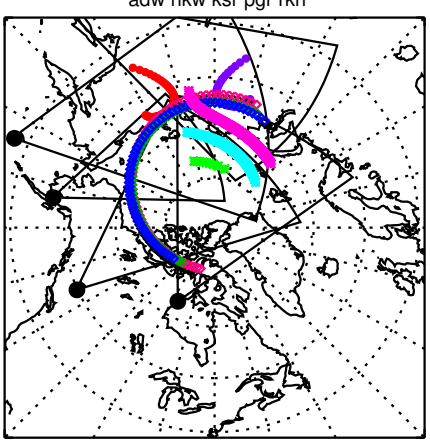


dce sps

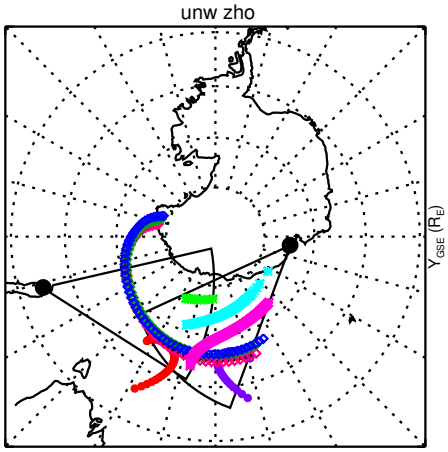


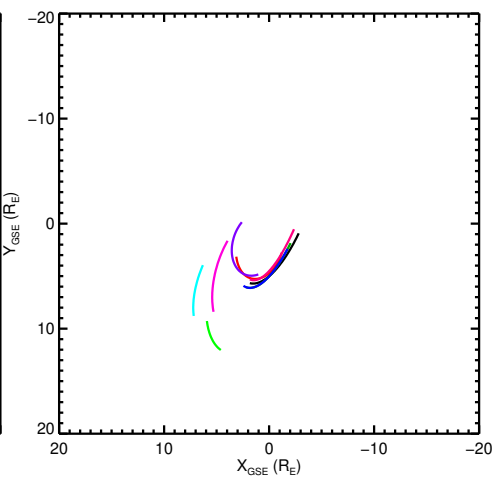


(b) 0520UT to 1040UT
adw hkw ksr pgr rkn

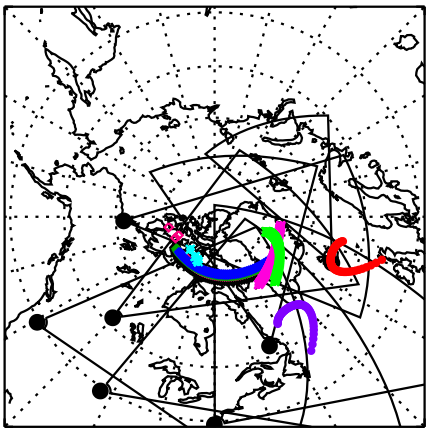


unw zho

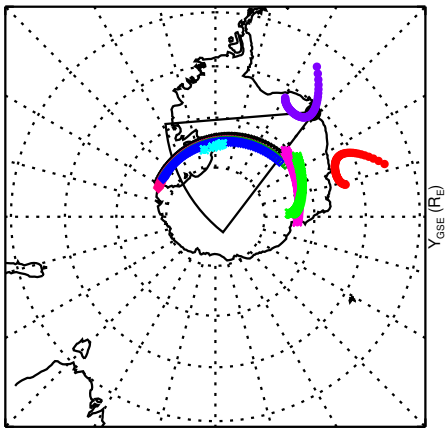


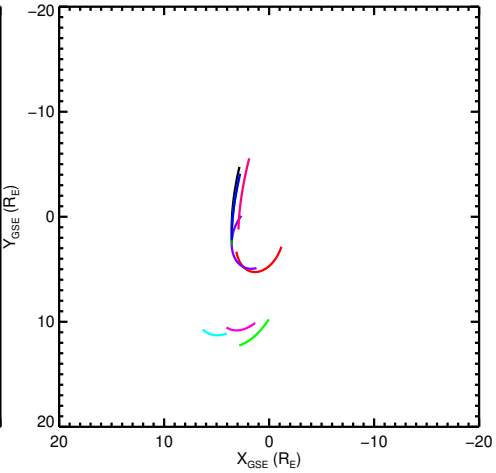


(c) 1425UT to 1935UT
cve fhe gbr inv pyk sas wal

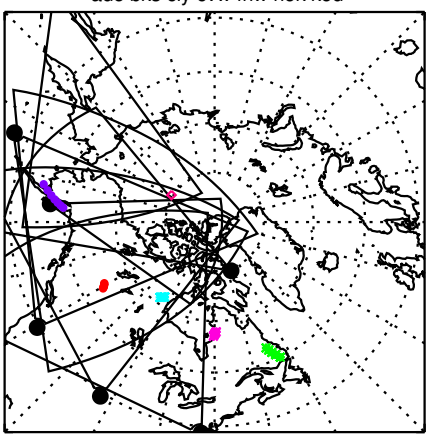


san

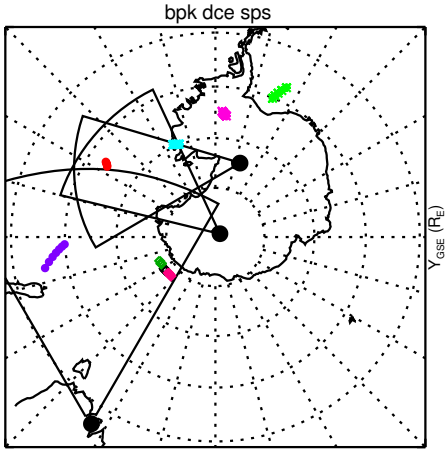


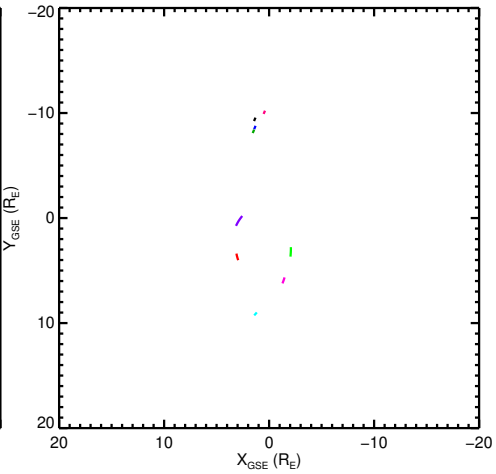


(d) 2325UT to 2355UT
ade bks cly cvw fhw hok kod



bpk dce sps

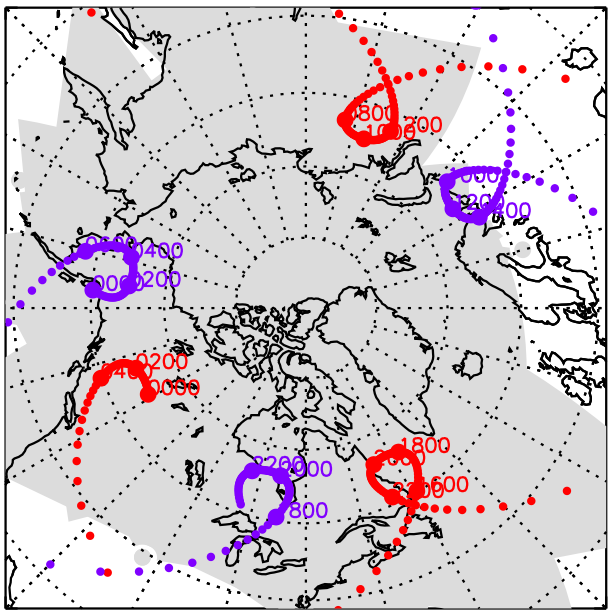


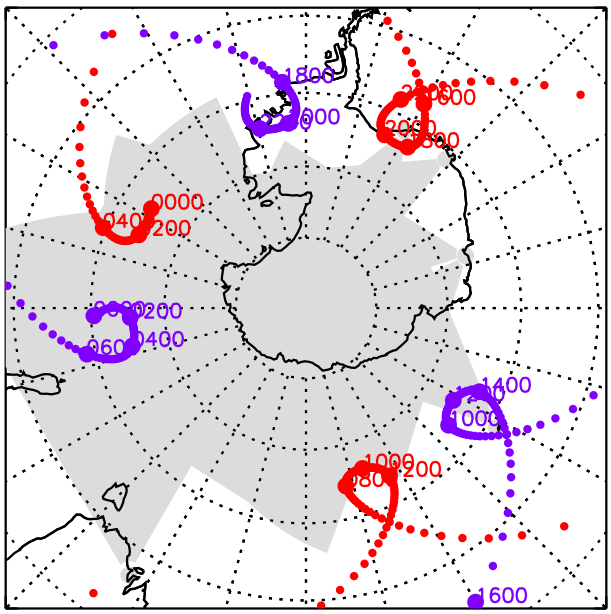


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

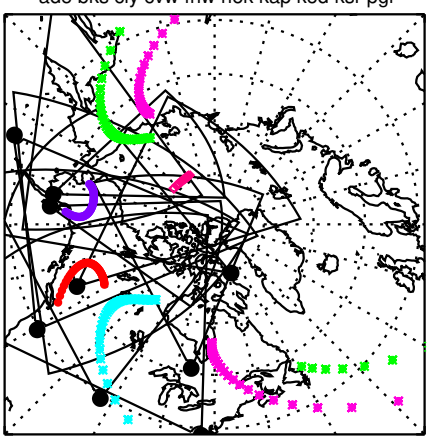
17–Jun–2017

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

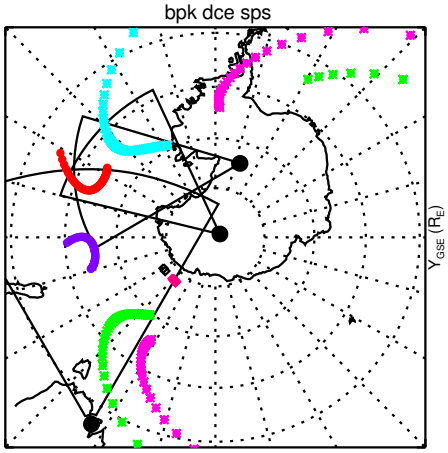


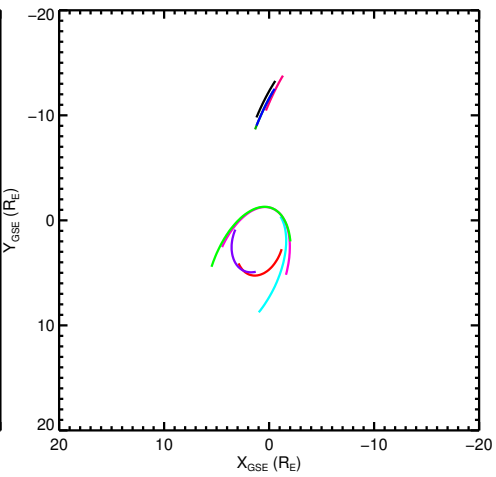


(a) 0000UT to 0435UT
ade bks cly cvw fhw hok kap kod ksr pgr

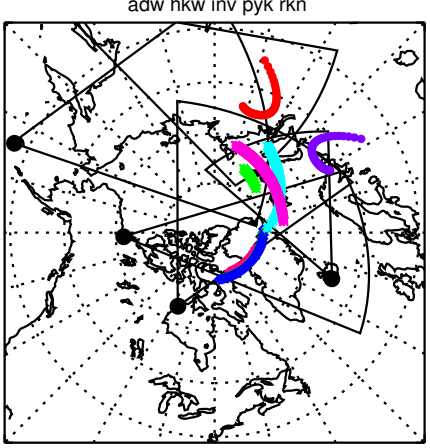


bpk dce sps

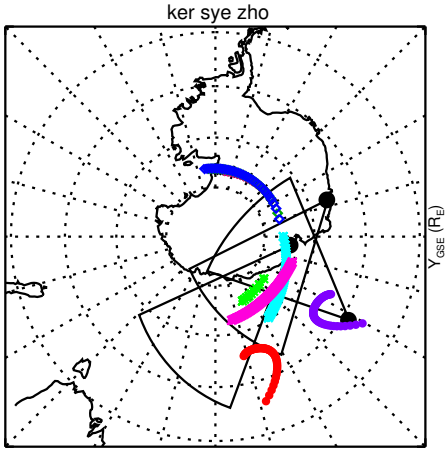


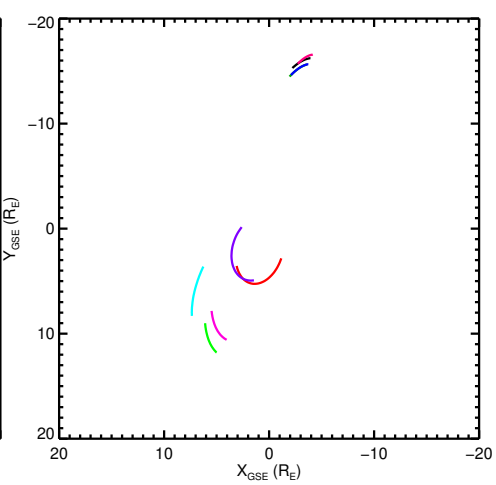


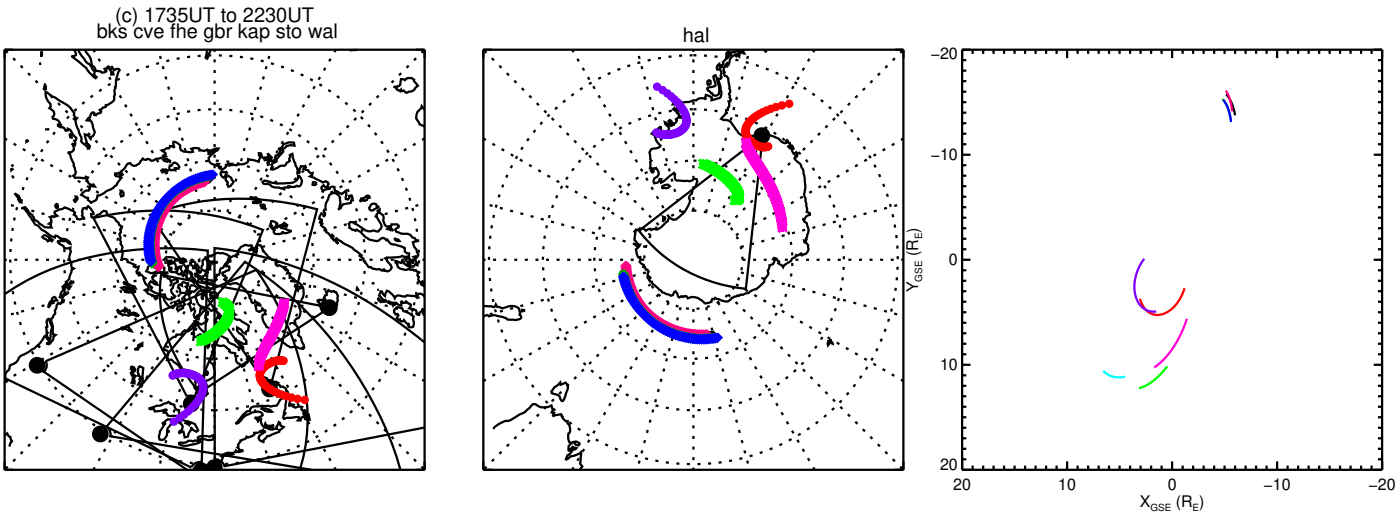
(b) 0830UT to 1330UT
adw hkw inv pyk rkn



ker sye zho



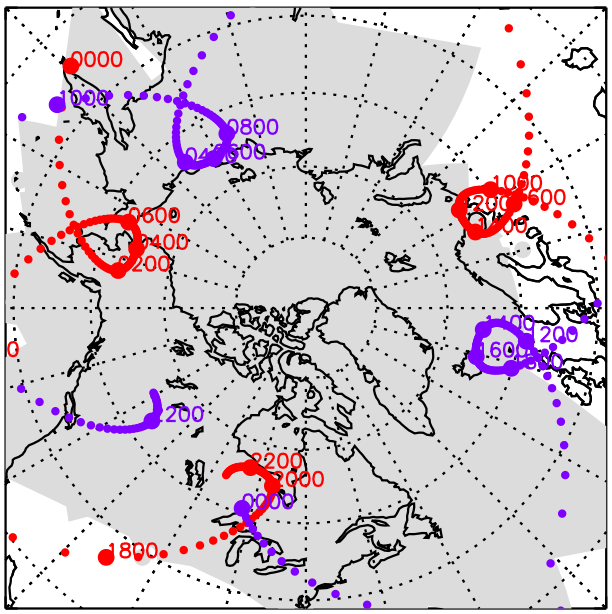


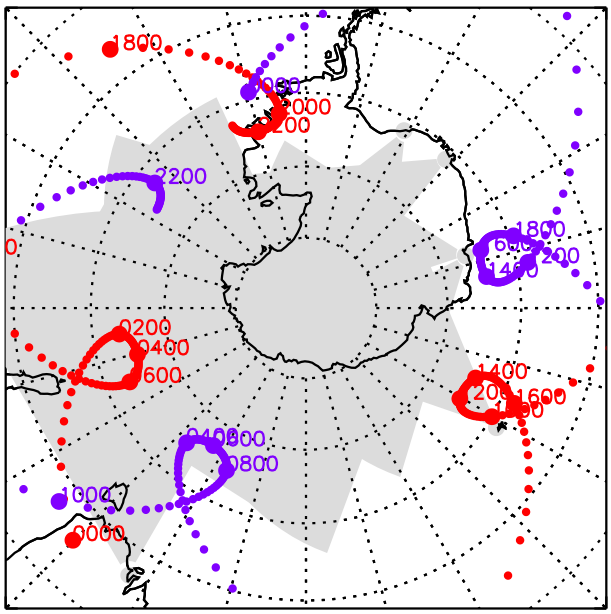

(c) 1735UT to 2230UT
bks cve fhe gbr kap sto wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

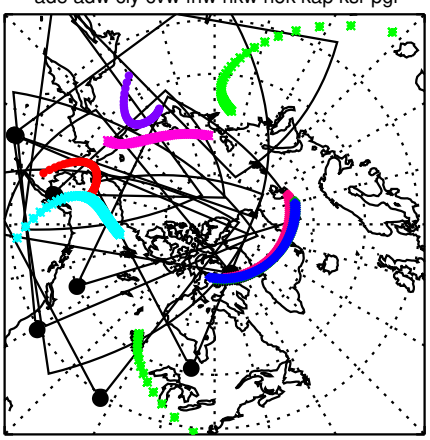
18–Jun–2017

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

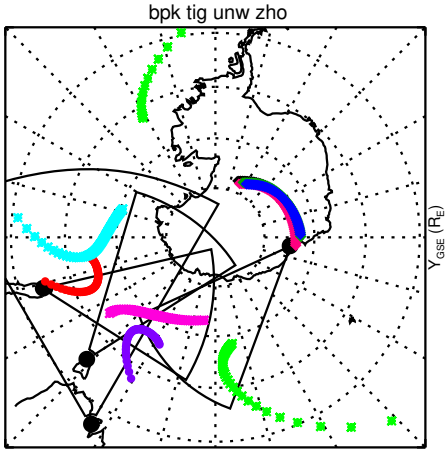


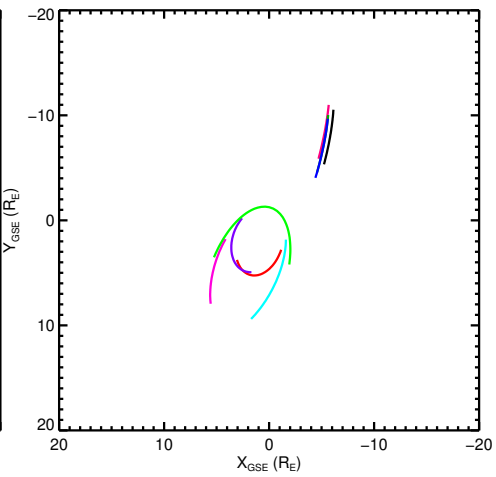


(a) 0235UT to 0725UT
ade adw cly cvw fhw hkw hok kap ksr pgr

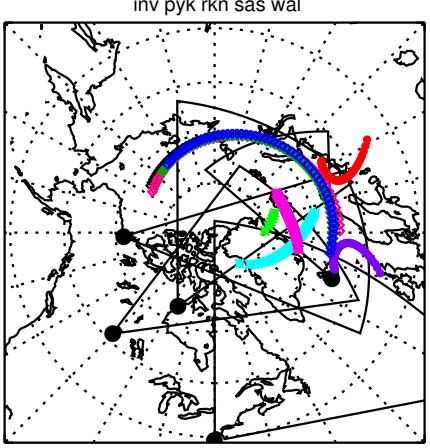


bpk tig unw zho

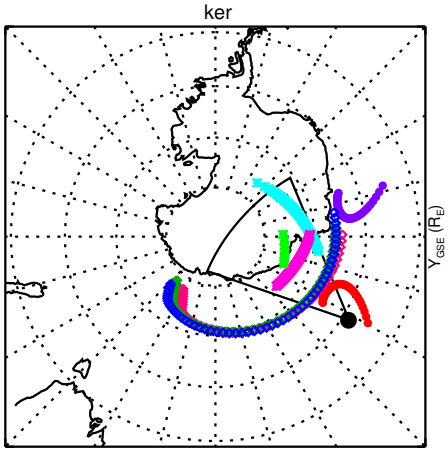


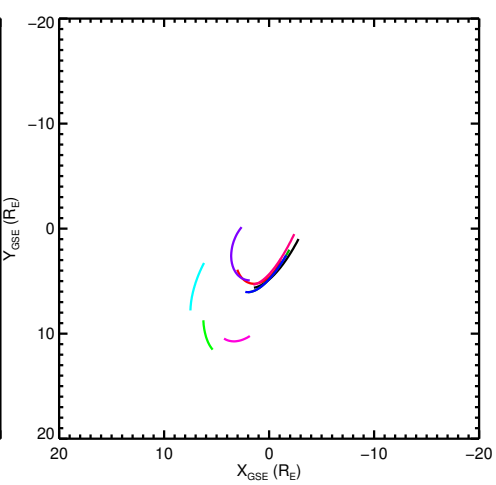


(b) 1140UT to 1620UT
inv pyk rkn sas wal

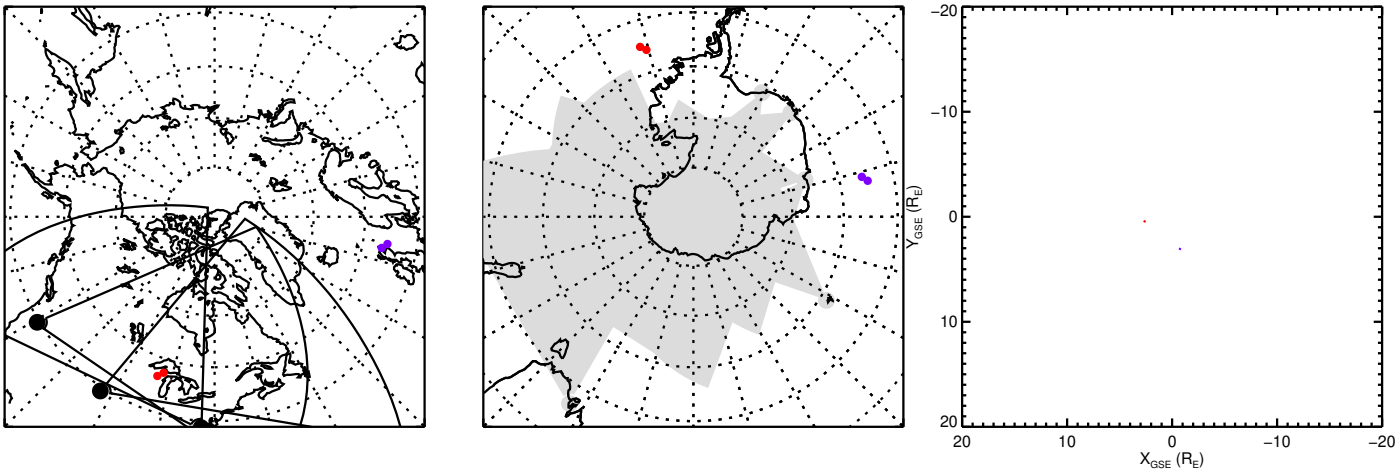


ker



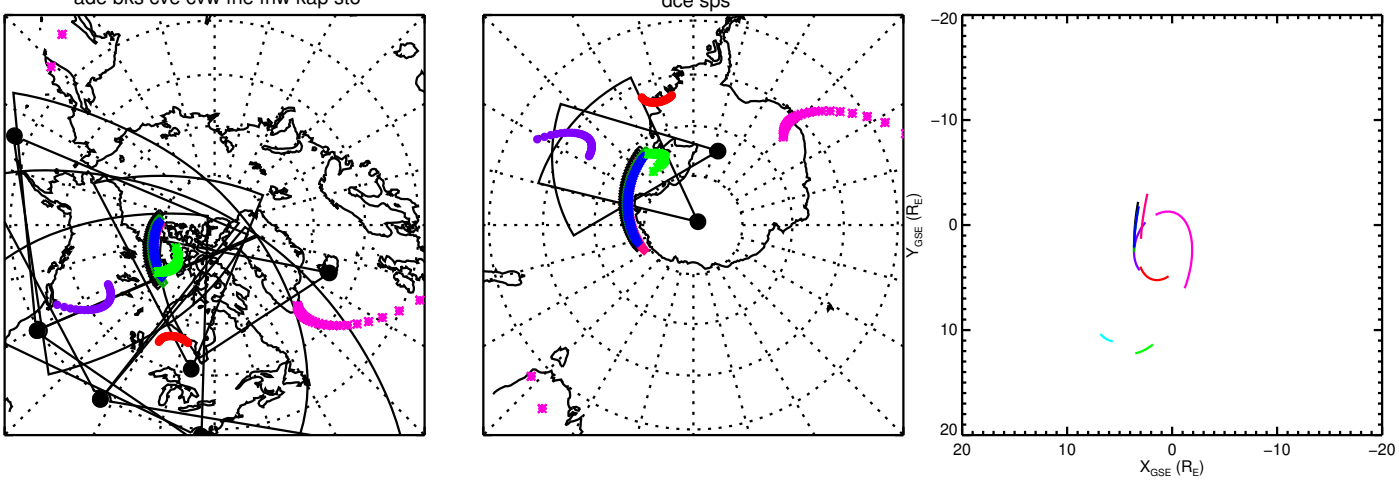


(c) 1830UT to 1835UT
bks cve fhe



(d) 2040UT to 2355UT
ade bks cve cvw fhe fhw kap sto

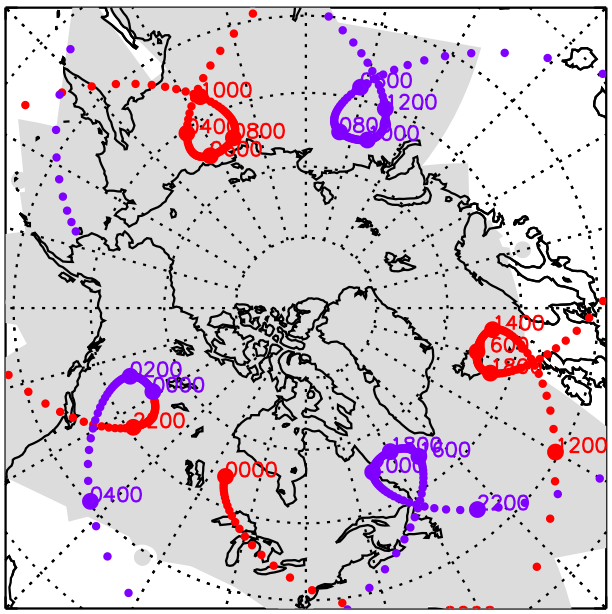
dce sps

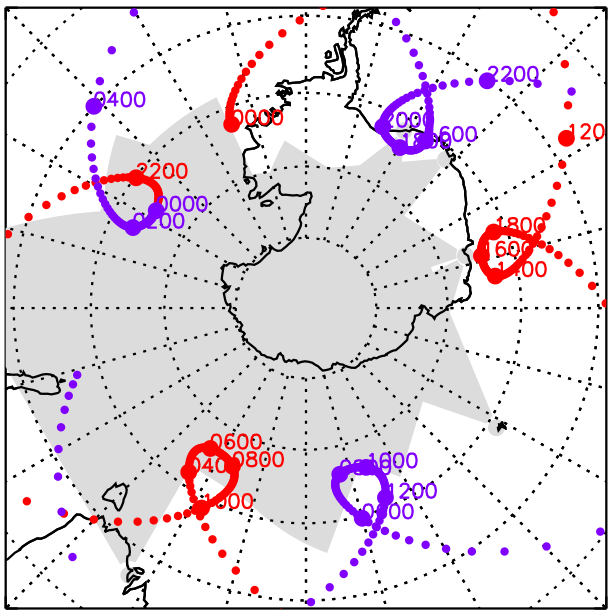


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

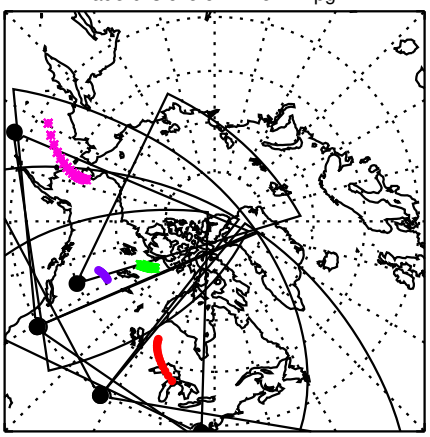
19–Jun–2017

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

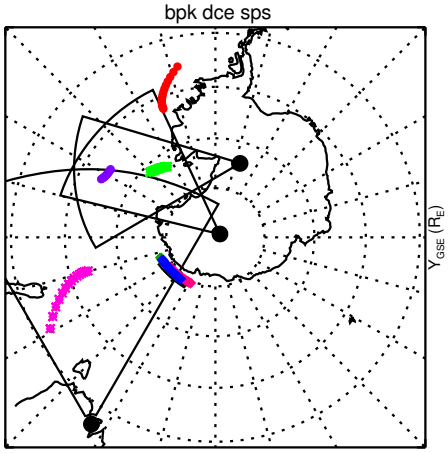


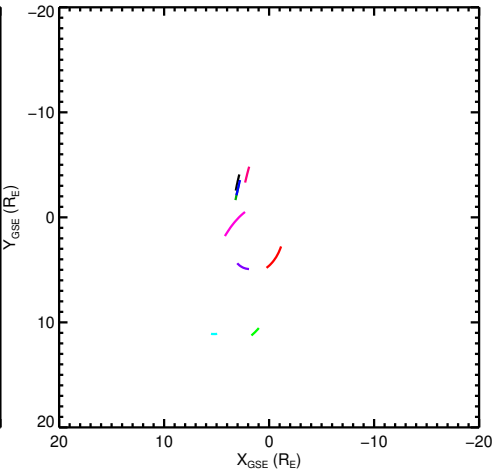


(a) 0000UT to 0120UT
ade bks cve cvw fhe fhw pgr

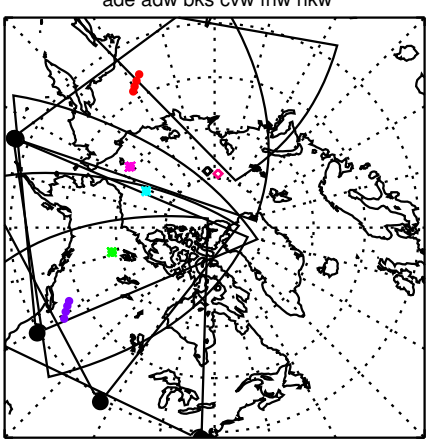


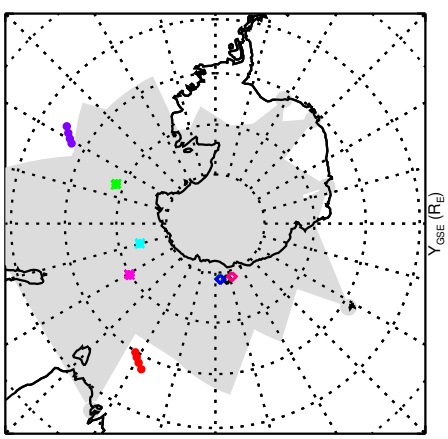
bpk dce sps

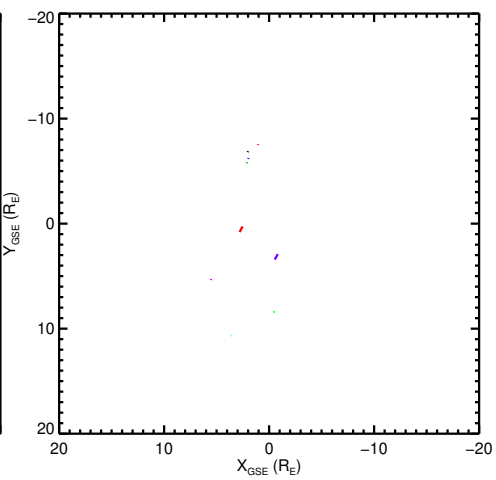




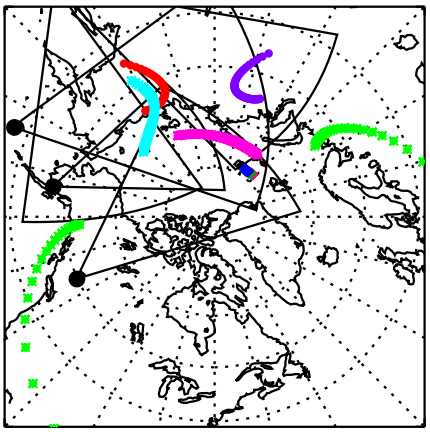
(b) 0325UT to 0340UT
ade adw bks cvw fhw hkw



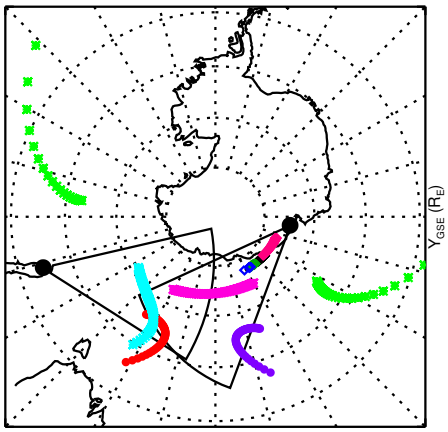


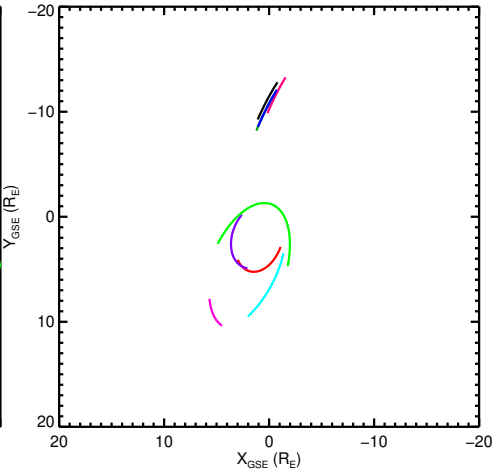


(c) 0545UT to 1015UT
adw hkw hok ksr pgr

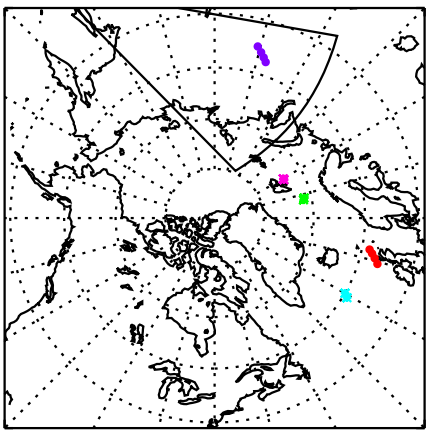


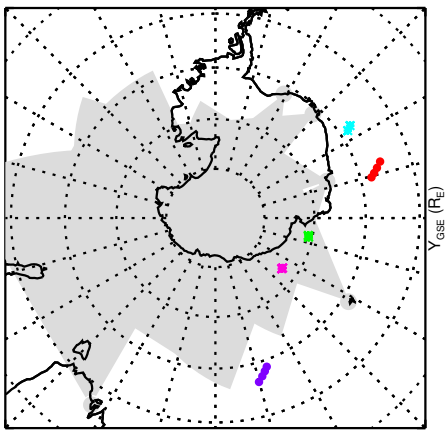
unw zho

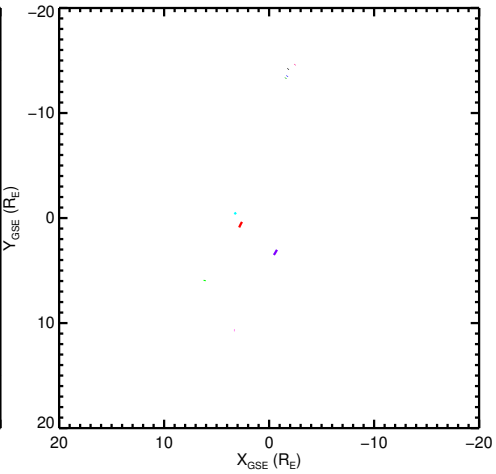




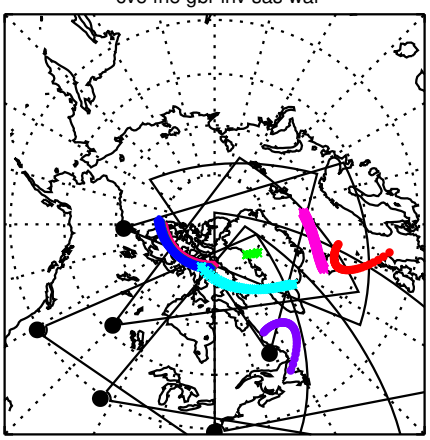
(d) 1225UT to 1240UT
hkw



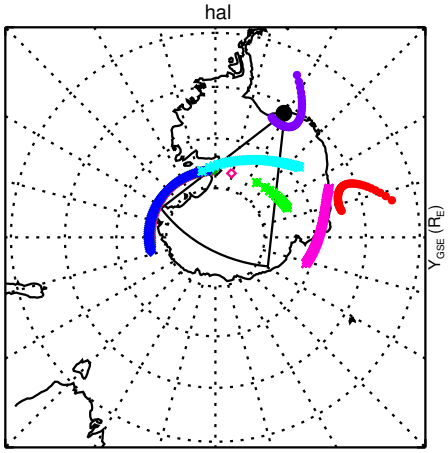


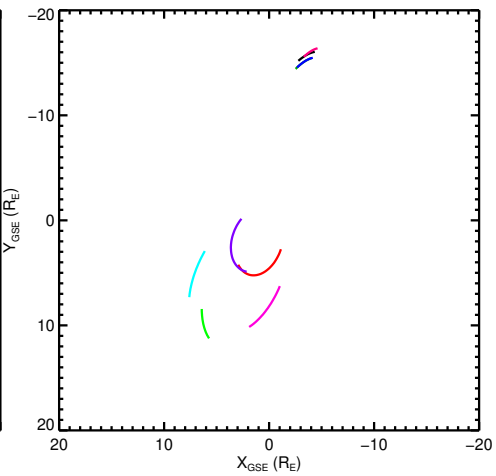


(e) 1450UT to 1915UT
cve fhe gbr inv sas wal

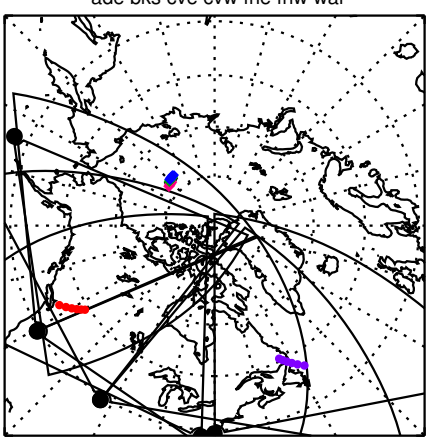


hal

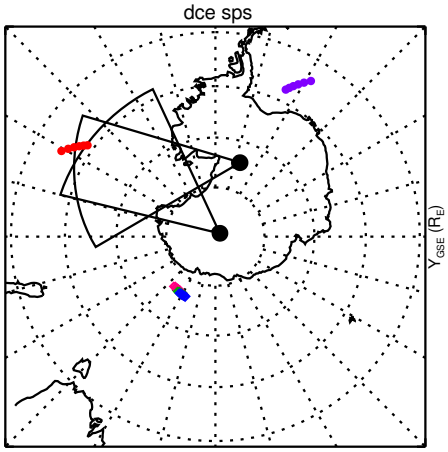


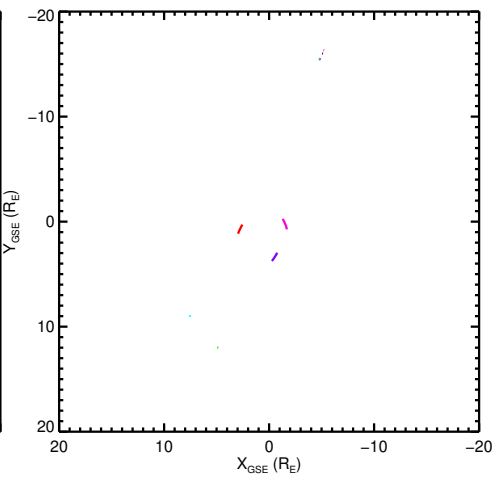


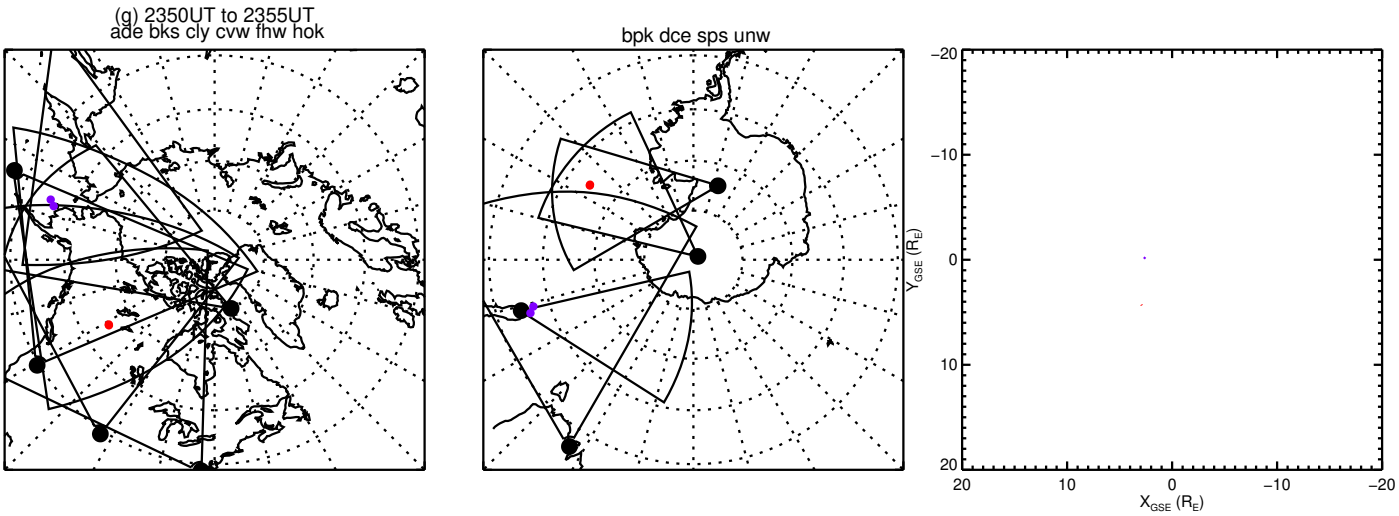
(f) 2120UT to 2145UT
ade bks cve cvw fhe fhw wal



dce sps



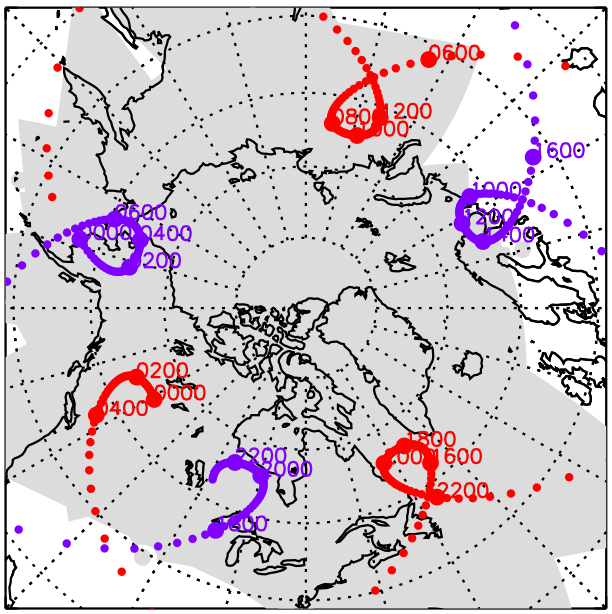


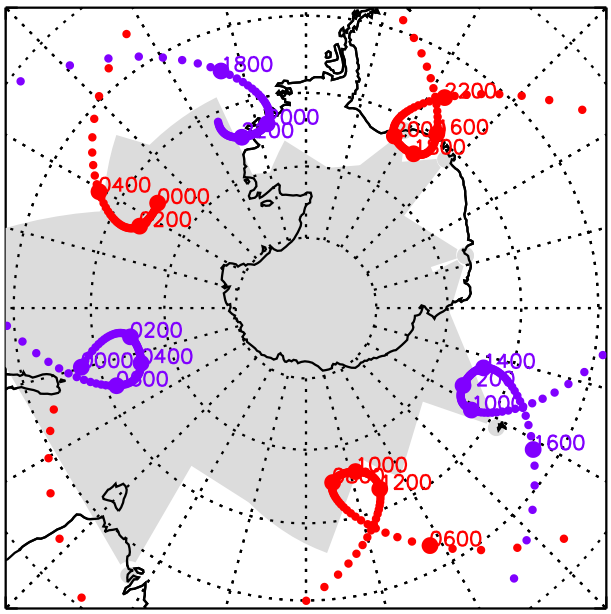

(g) 2350UT to 2355UT
ade bks cly cvw fhw hok
bpk dce sps unw
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

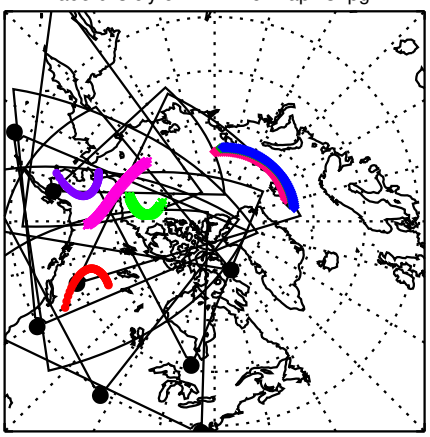
20–Jun–2017

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

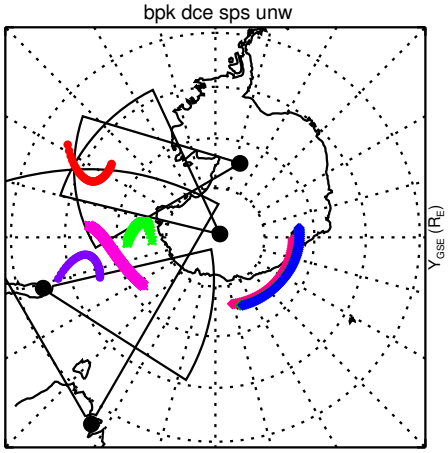


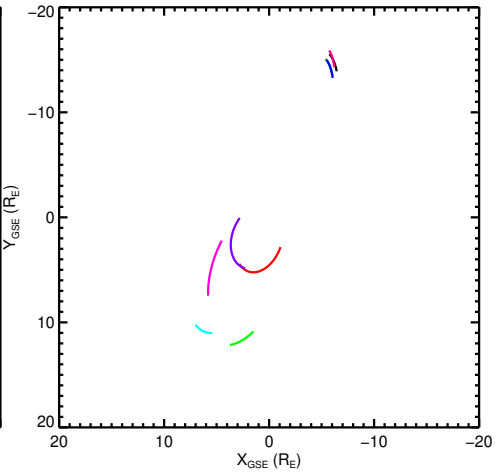


(a) 0000UT to 0410UT
ade bks cly cvw fhw hok kap ksr pgr

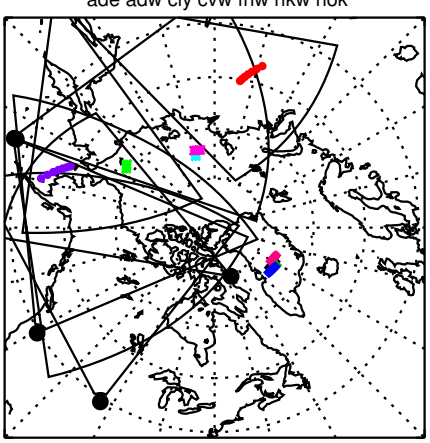


bpk dce sps unw

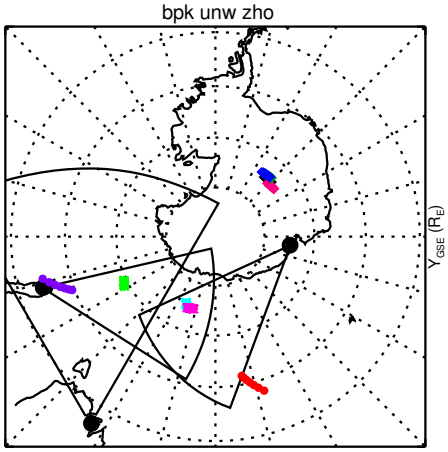


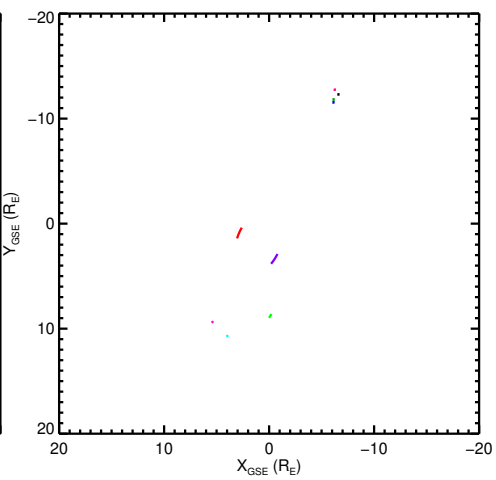


(b) 0620UT to 0650UT
ade adw cly cvw fhw hkw hok

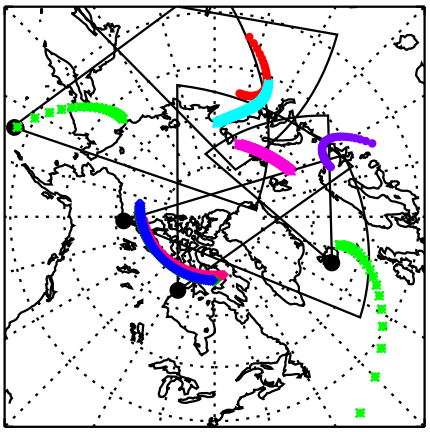


bpk unw zho

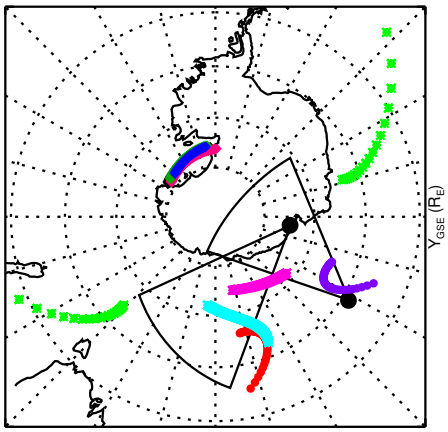


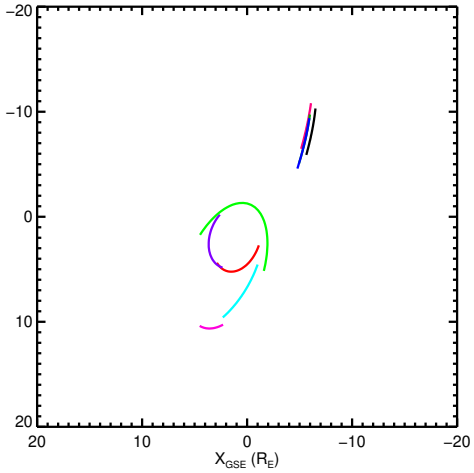


(c) 0855UT to 1310UT
adw hkw inv pyk rkn

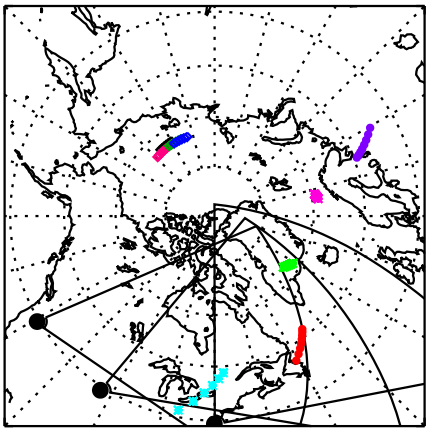


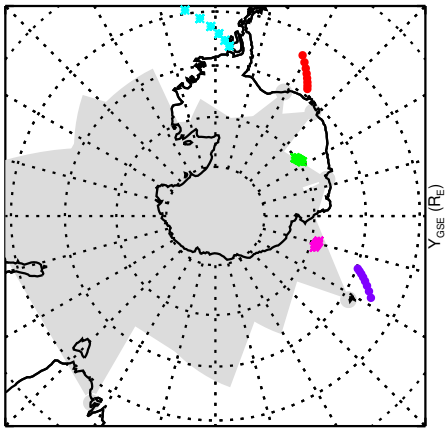
ker zho

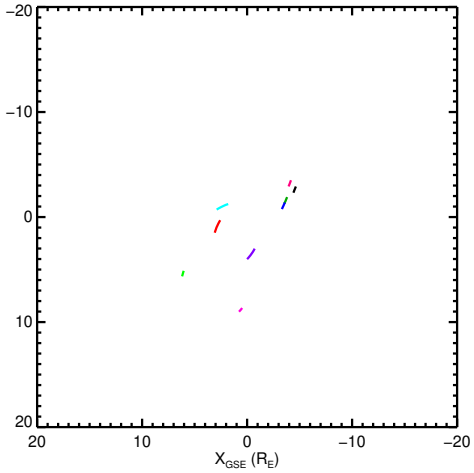




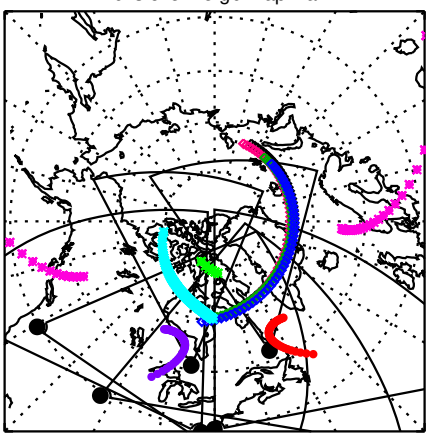
(d) 1515UT to 1550UT
cve fhe wal



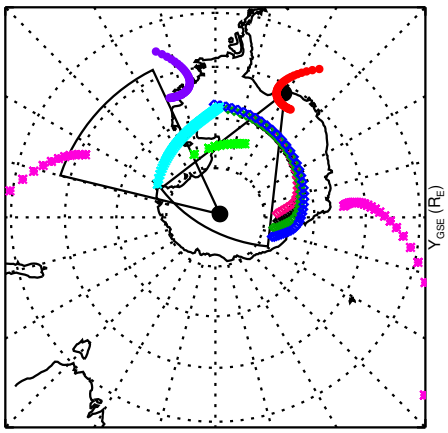


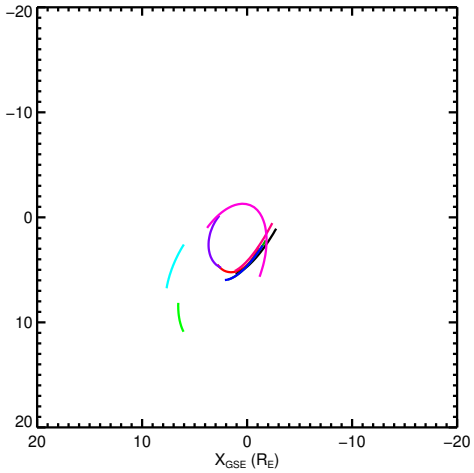


(e) 1800UT to 2205UT
bks cve fhe gbr kap wal



dce hal

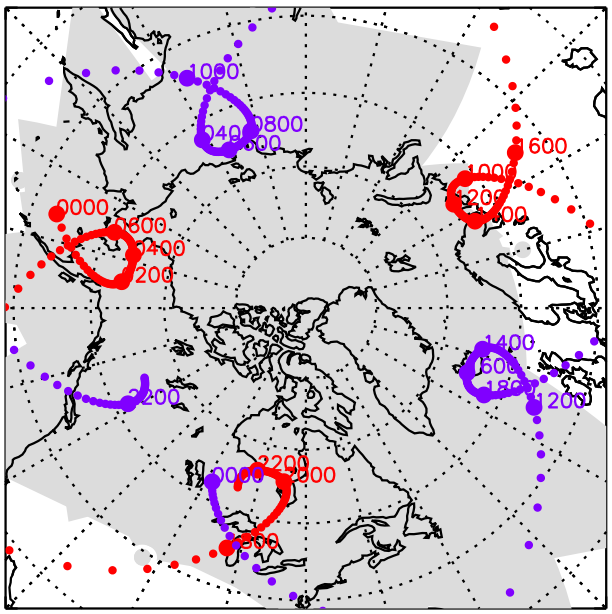


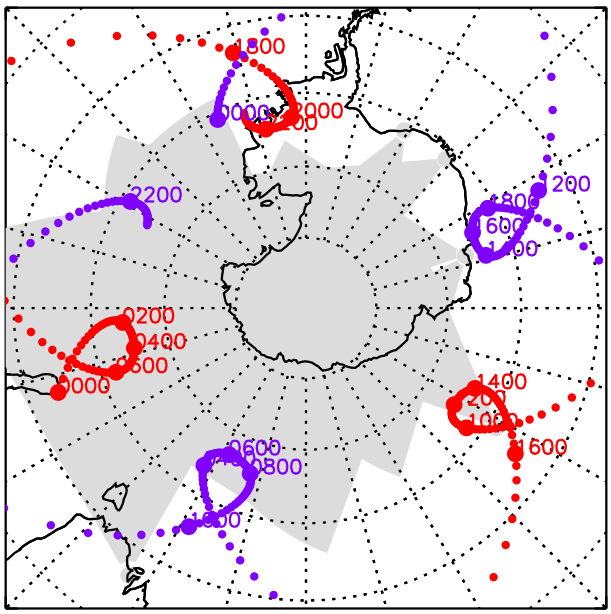


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

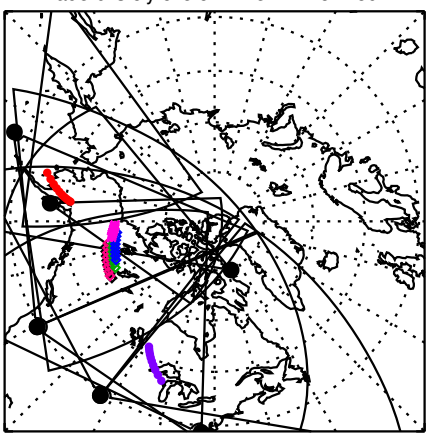
21–Jun–2017

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

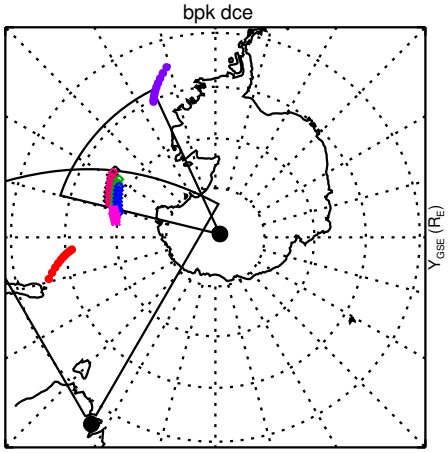


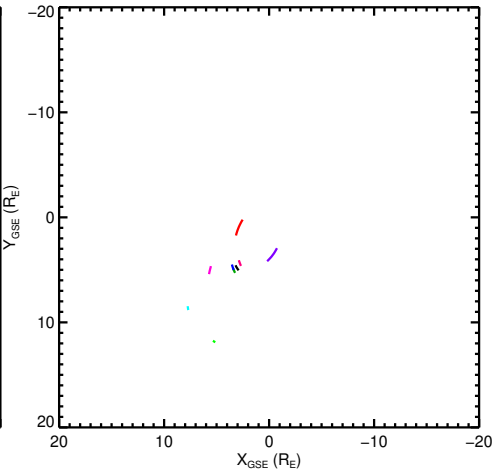


(a) 0010UT to 0055UT
ade bks cly cve cvw fhe fhw hok kod

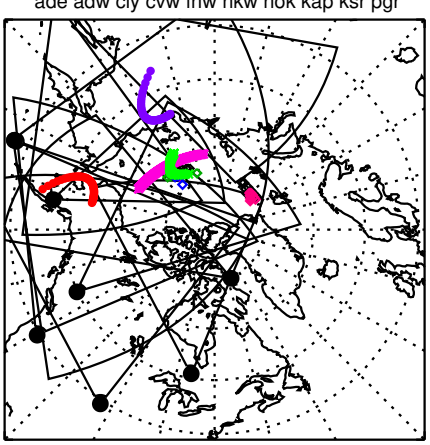


bpk dce

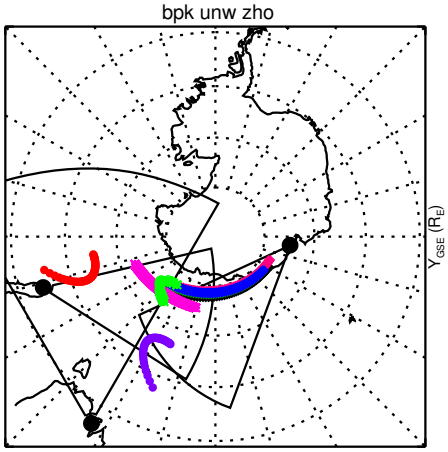


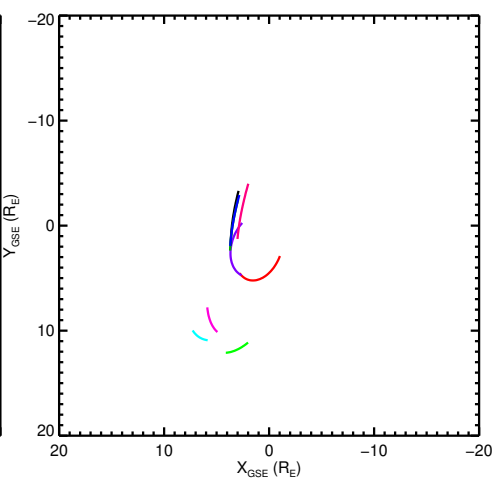


(b) 0300UT to 0700UT
ade adw cly cvw fhw hkw hok kap ksr pgr

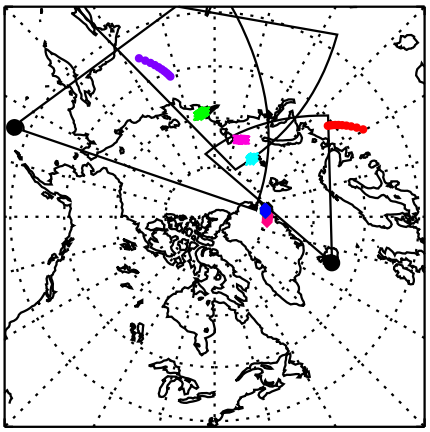


bpk unw zho

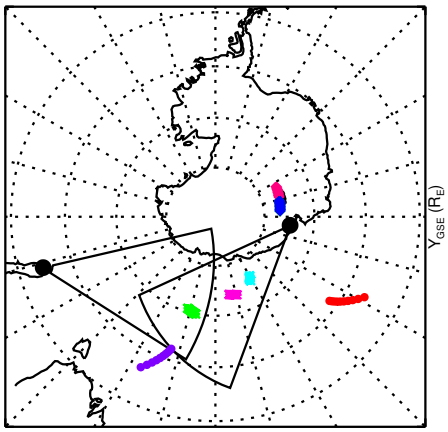


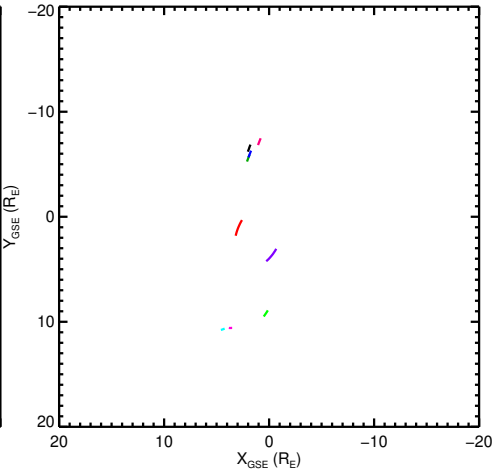


(c) 0910UT to 0955UT
adw hkw pyk

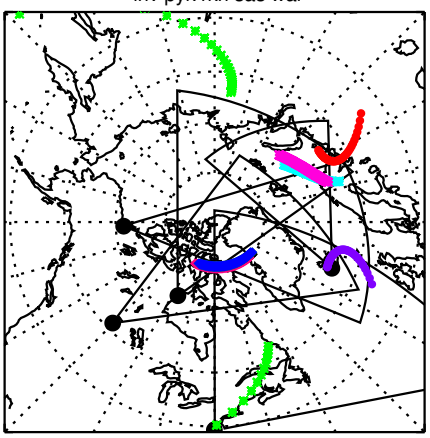


unw zho

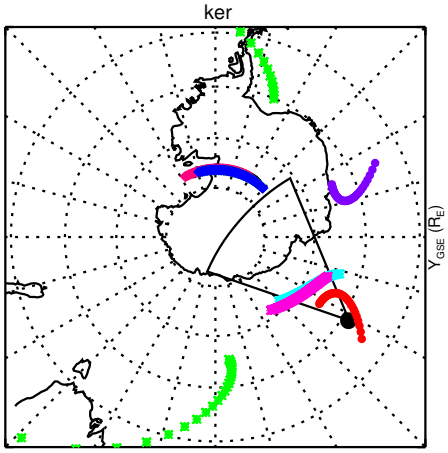


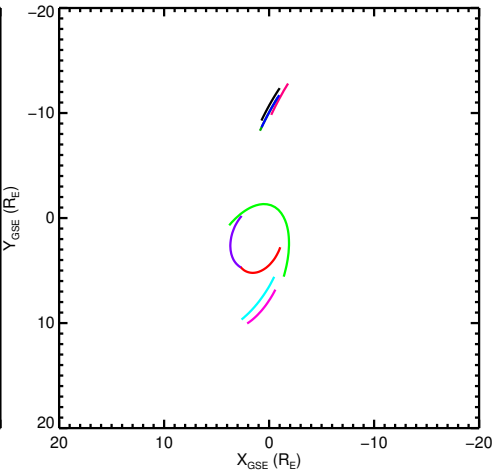


(d) 1205UT to 1600UT
inv pyk rkn sas wal

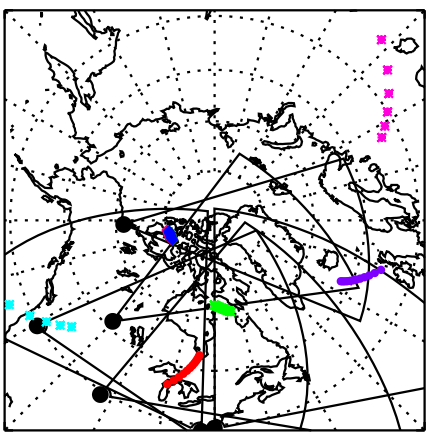


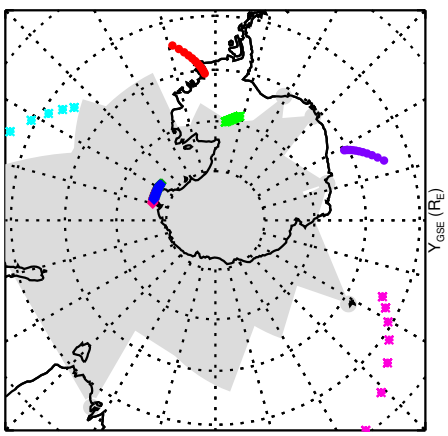
ker

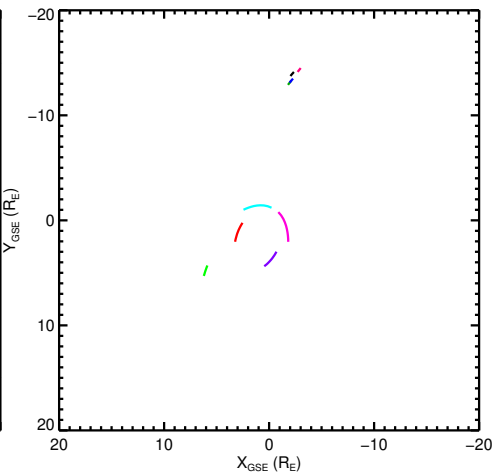




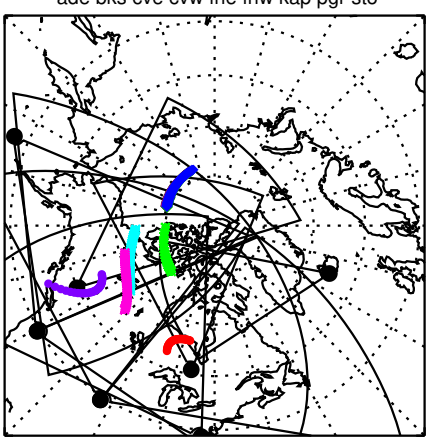
(e) 1805UT to 1900UT
bks cve fhe inv sas wal



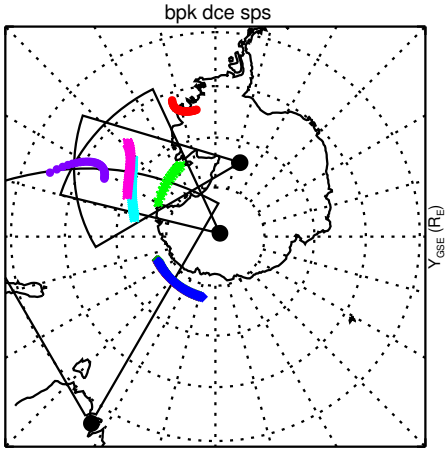


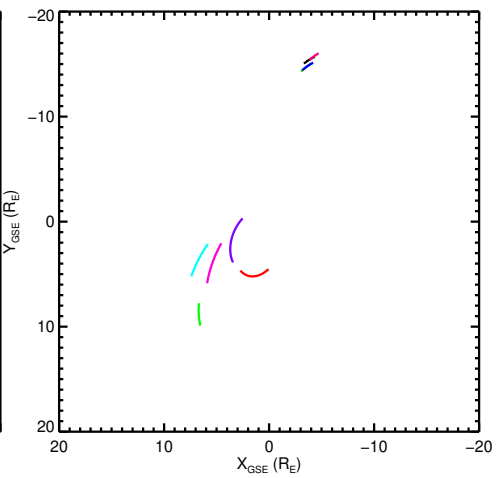


(f) 2105UT to 2355UT
ade bks cve cvw fhe fhw kap pgr sto



bpk dce sps

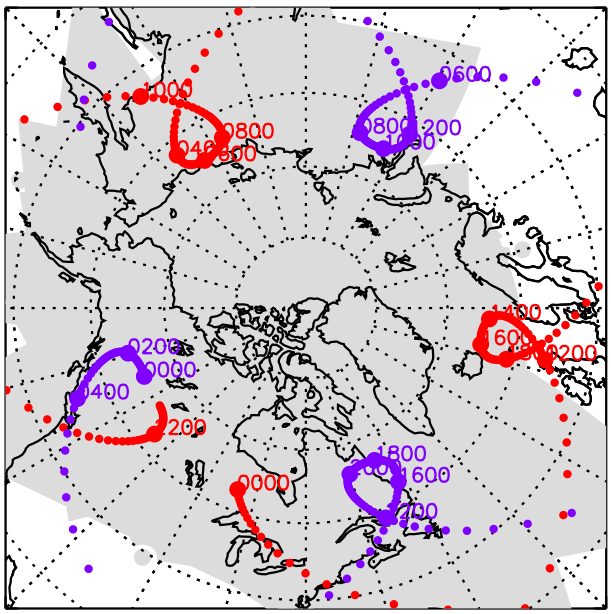


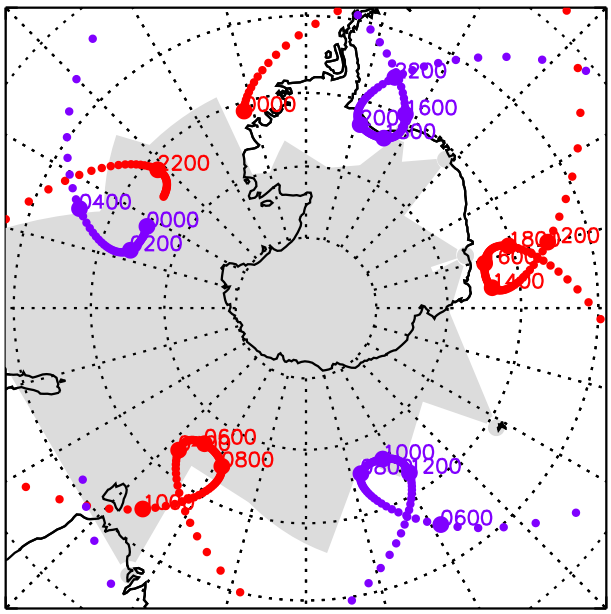


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

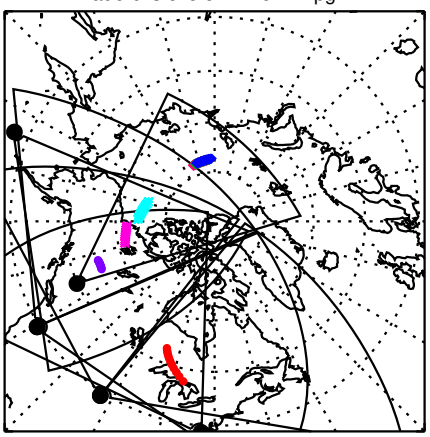
22–Jun–2017

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

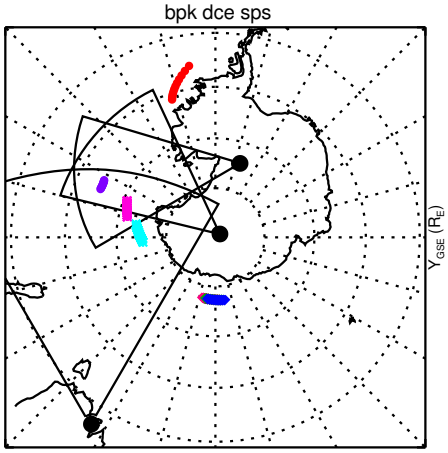


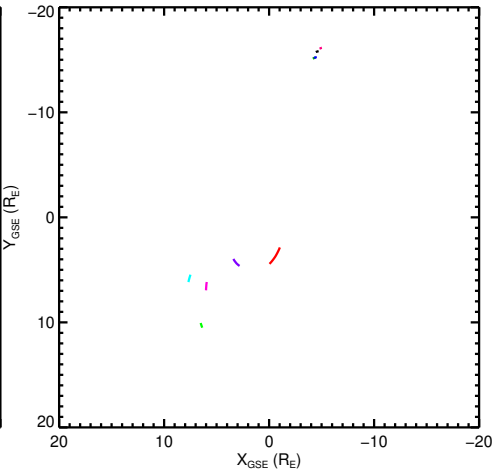


(a) 0000UT to 0055UT
ade bks cve cvw fhe fhw pgr

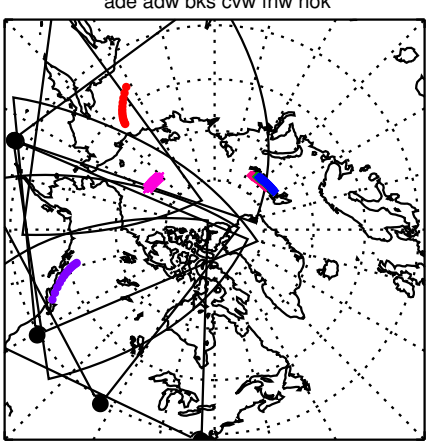


bpk dce sps

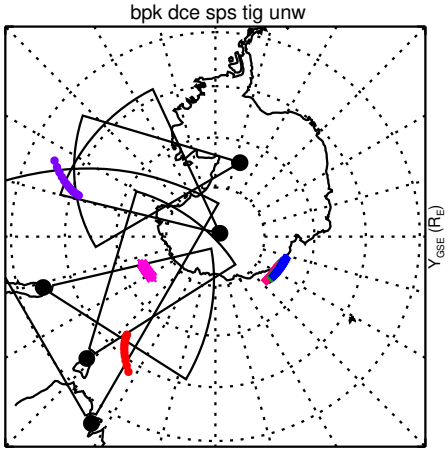


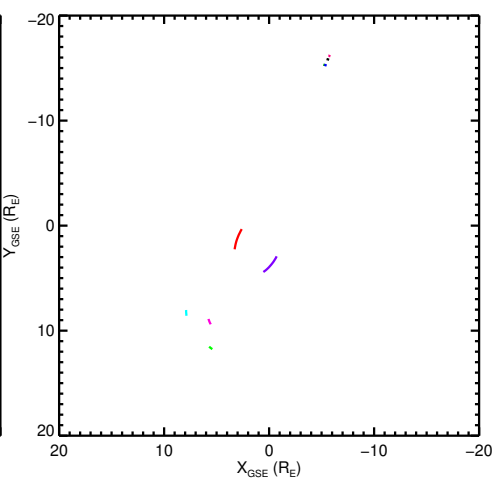


(b) 0305UT to 0405UT
ade adw bks cvw fhw hok



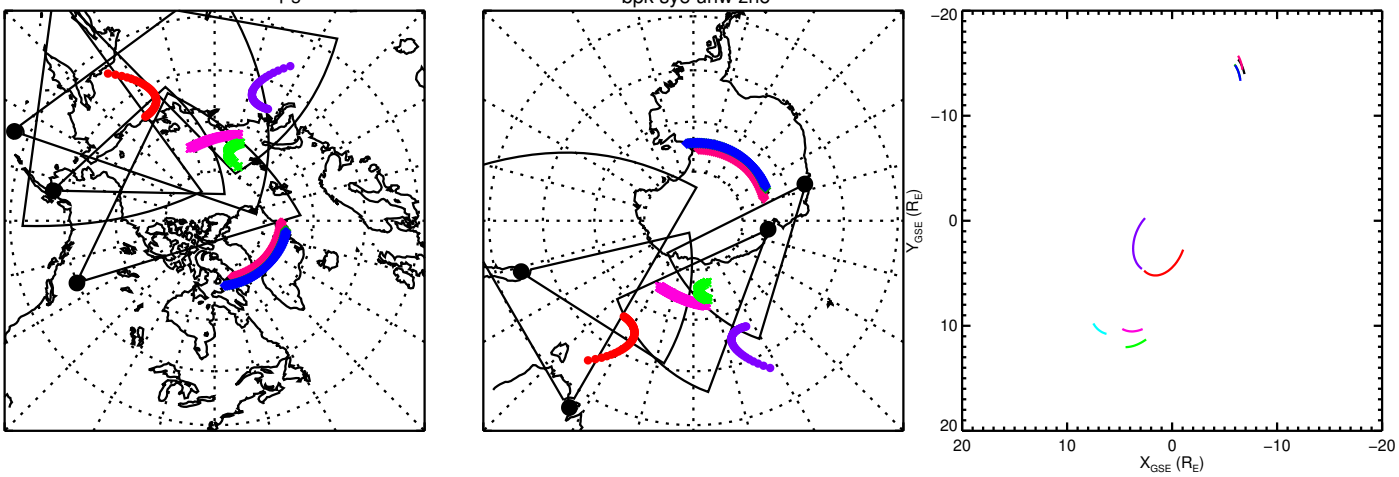
bpk dce sps tig unw



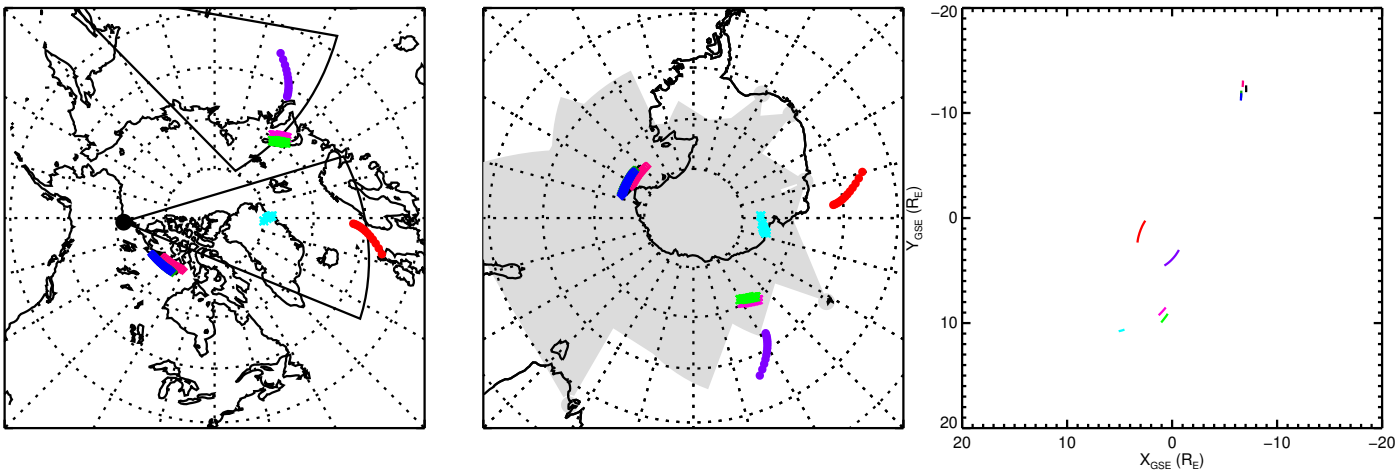


(c) 0610UT to 0955UT
adw hkw hok ksr pgr

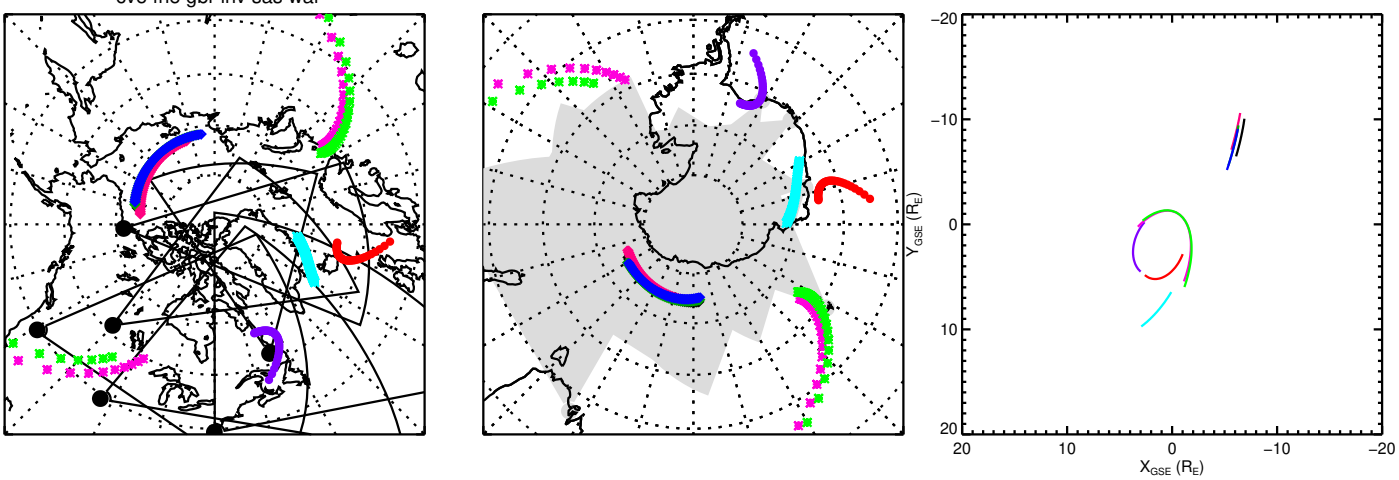
bpk sye unw zho



(d) 1200UT to 1305UT
hkw inv

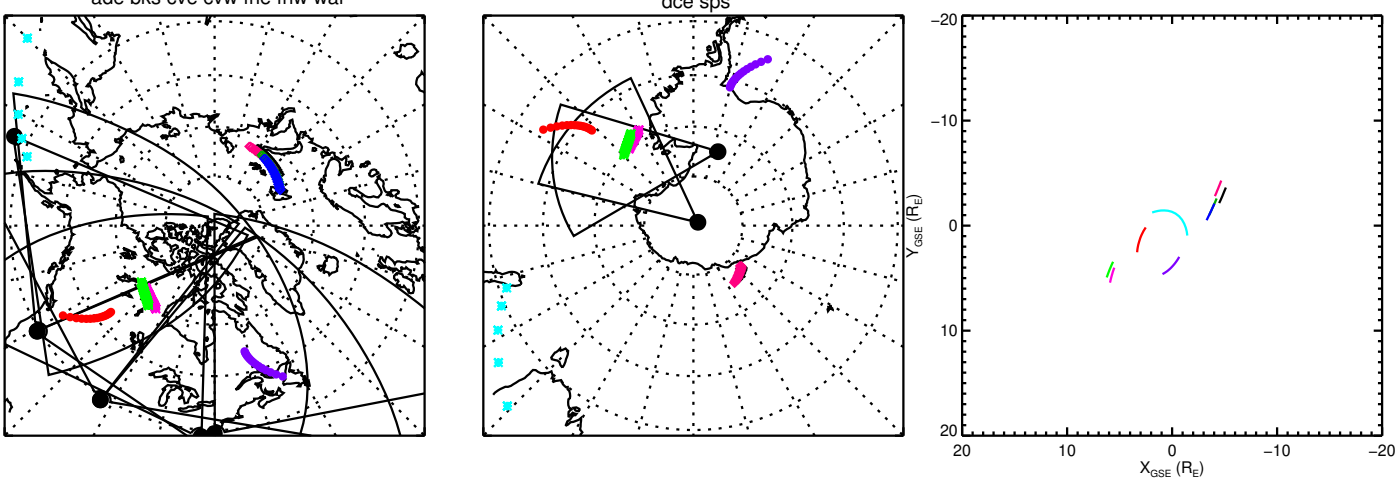


(e) 1515UT to 1850UT
cve fhe gbr inv sas wal



(f) 2055UT to 2210UT
ade bks cve cvw fhe fhw wal

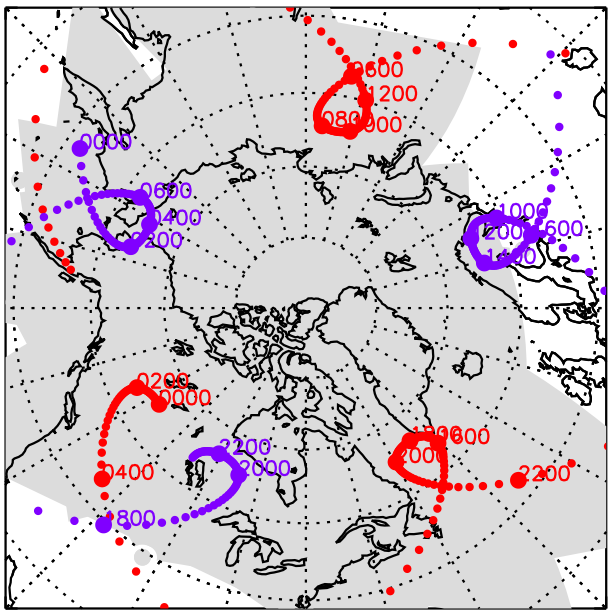
dce sps

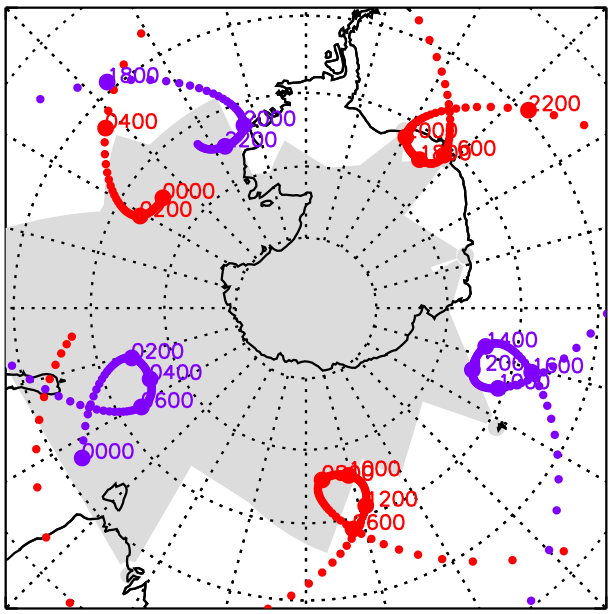


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

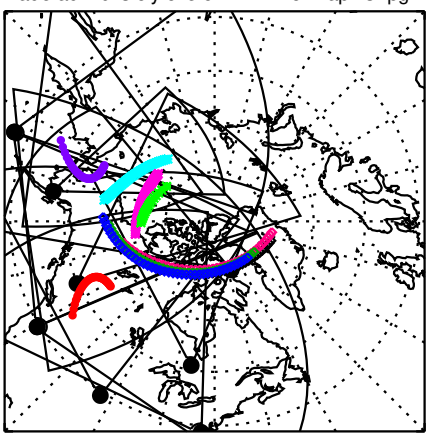
23–Jun–2017

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

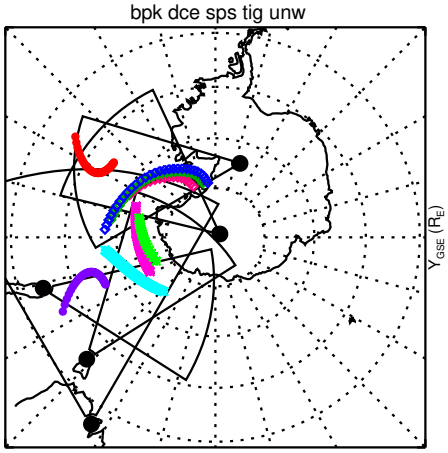


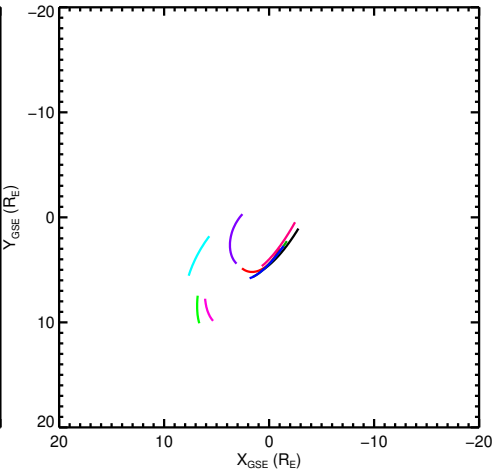


(a) 0015UT to 0345UT
ade adw bks cly cve cvw fhw hok kap ksr pgr

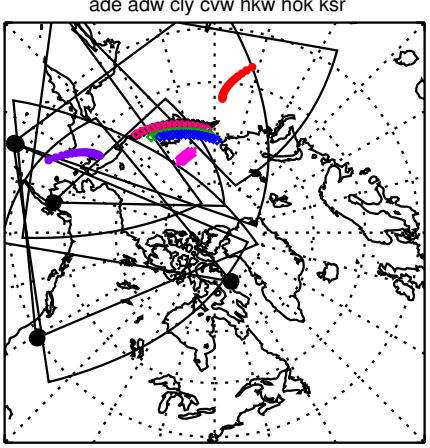


bpk dce sps tig unw

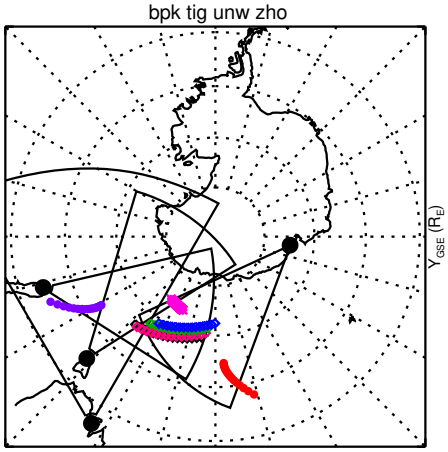


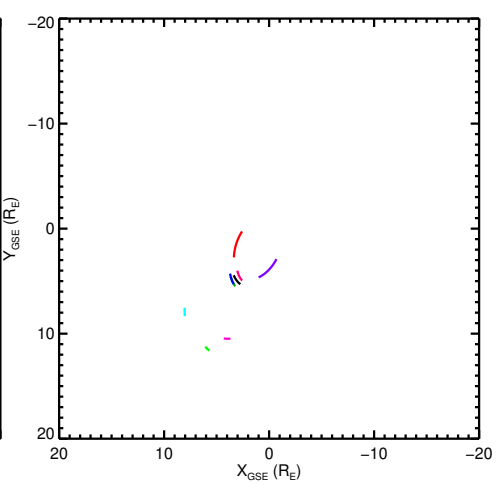


(b) 0555UT to 0715UT
ade adw cly cvw hkw hok ksr

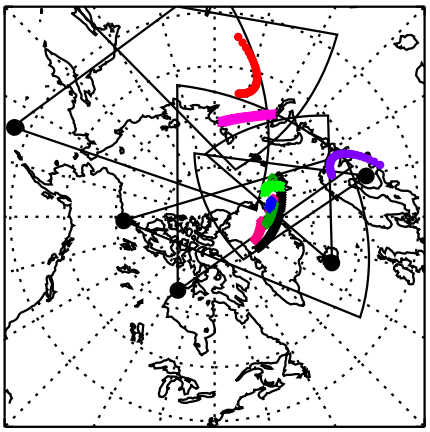


bpk tig unw zho

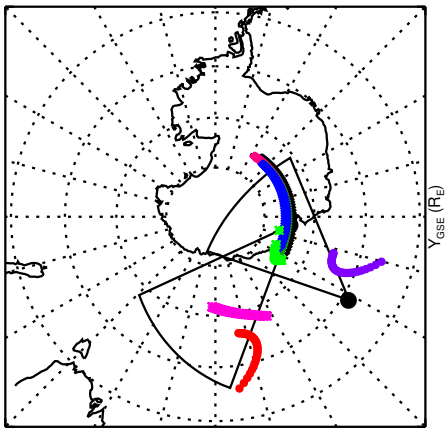


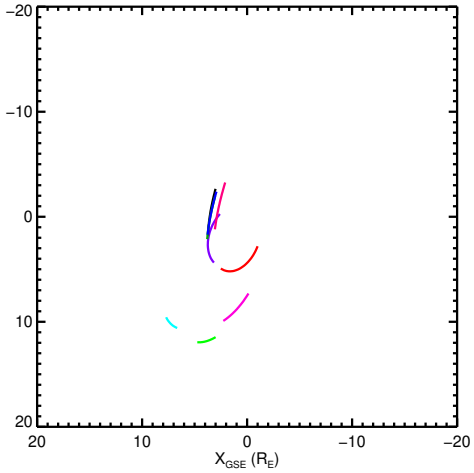


(c) 0920UT to 1245UT
adw han hkw inv pyk rkn

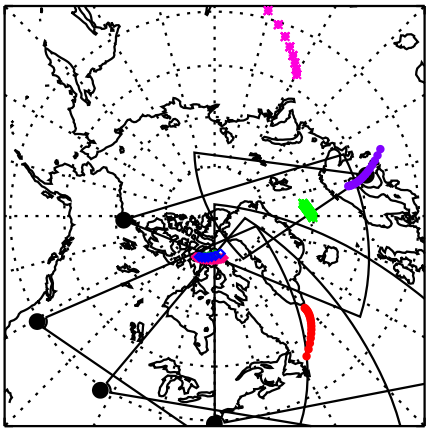


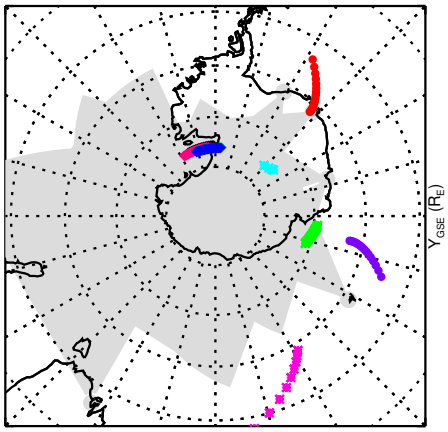
ker zho

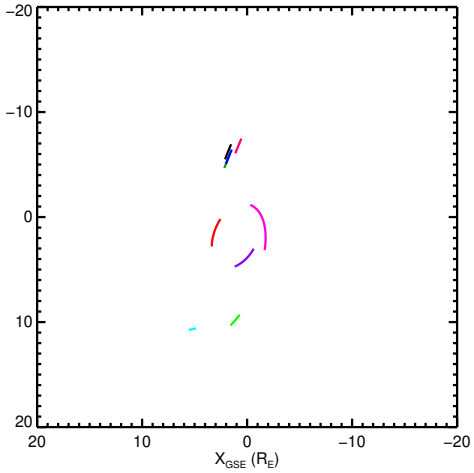




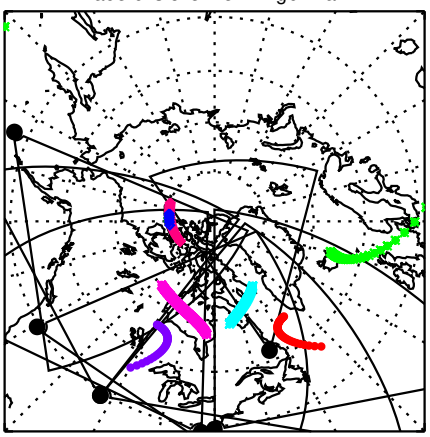
(d) 1450UT to 1615UT
cve fhe han inv wal



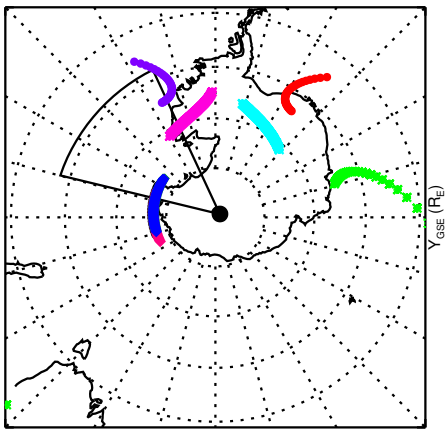


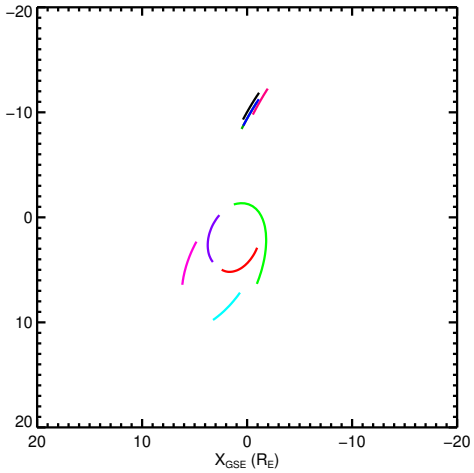


(e) 1825UT to 2140UT
ade bks cve fhe fhw gbr wal

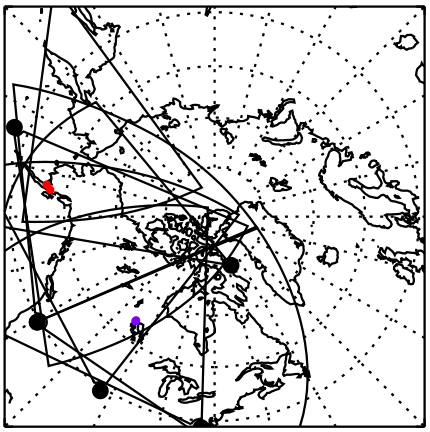


dce

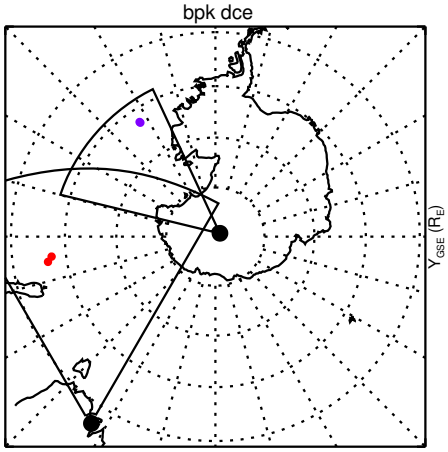


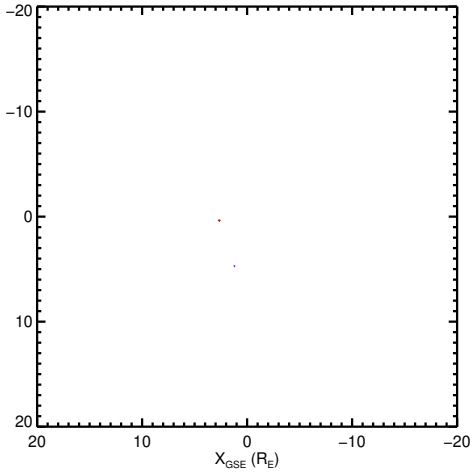


(f) 2350UT to 2355UT
ade bks cly cve cvw fhw hok



bpk dce

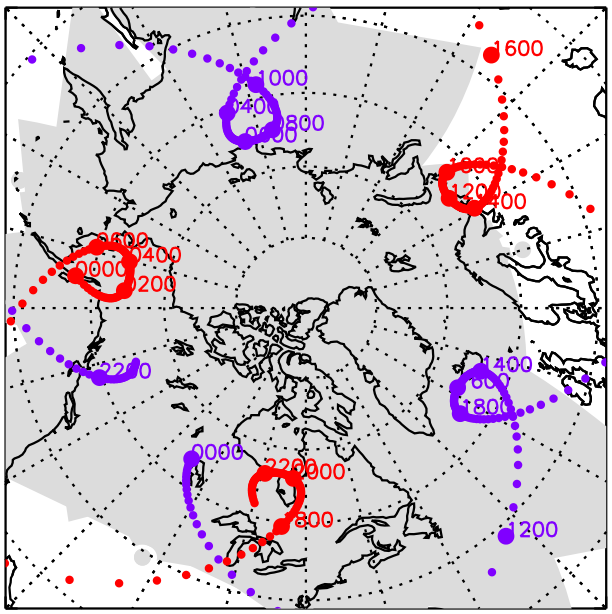


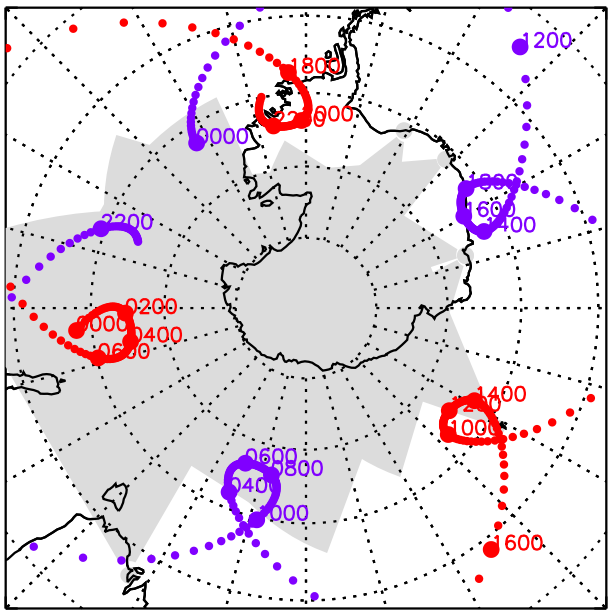


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

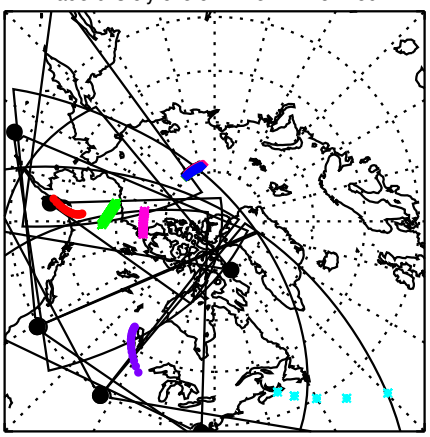
24–Jun–2017

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

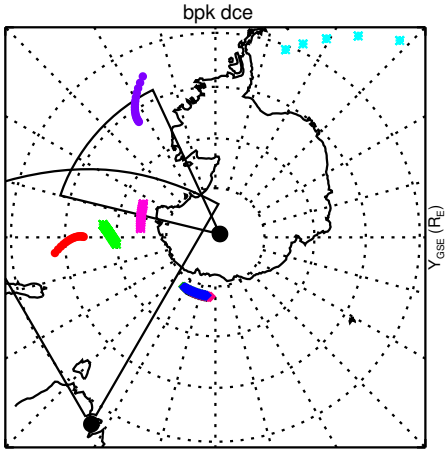


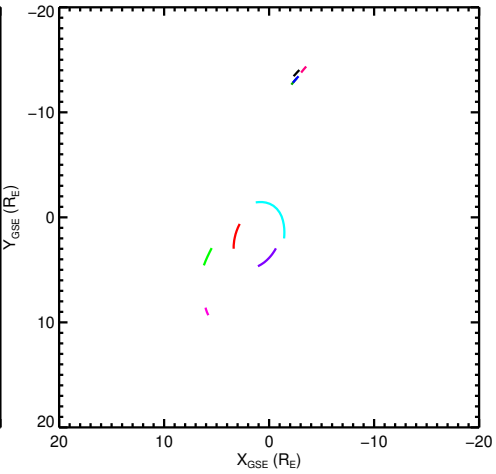


(a) 0000UT to 0120UT
ade bks cly cve cvw fhe fhw hok kod

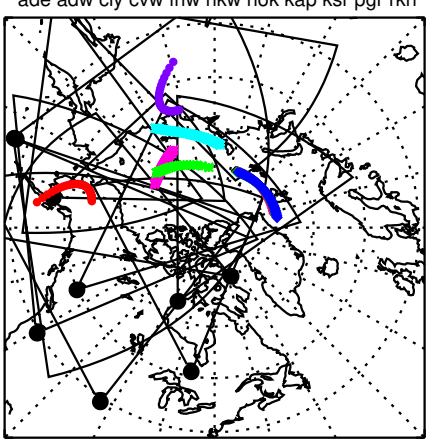


bpk dce

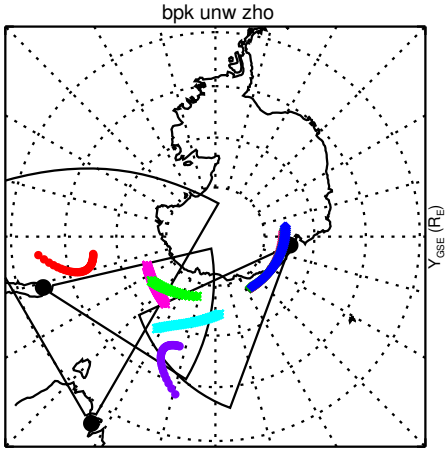


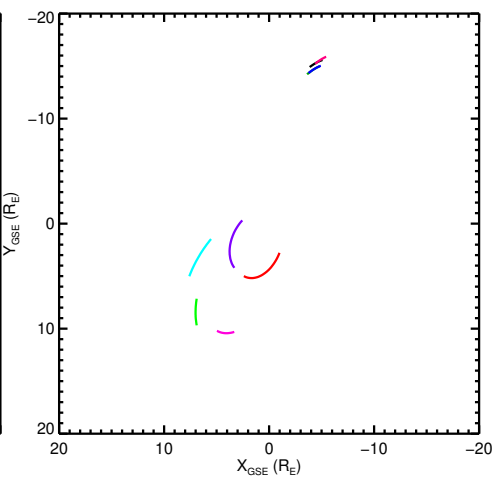


(b) 0325UT to 0640UT
ade adw cly cvw fhw hkw hok kap ksr pgr rkn

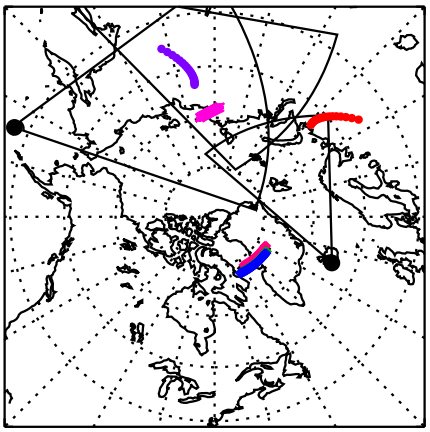


bpk unw zho

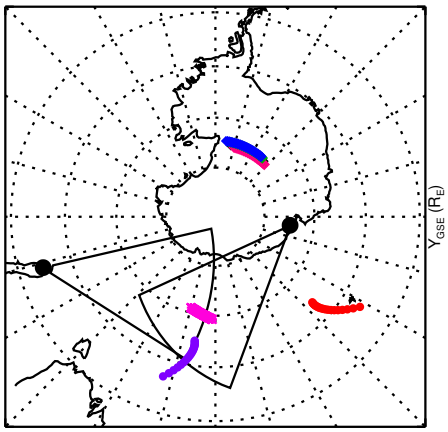


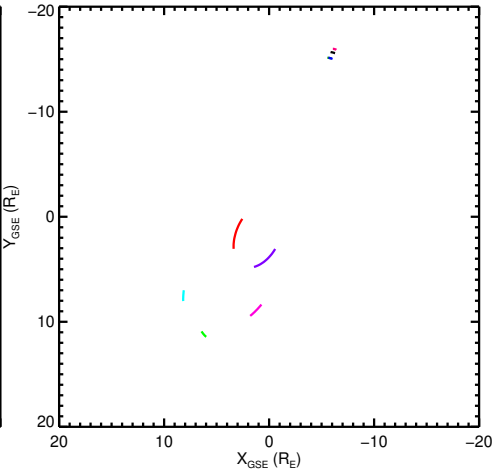


(c) 0845UT to 1020UT
adw hkw pyk

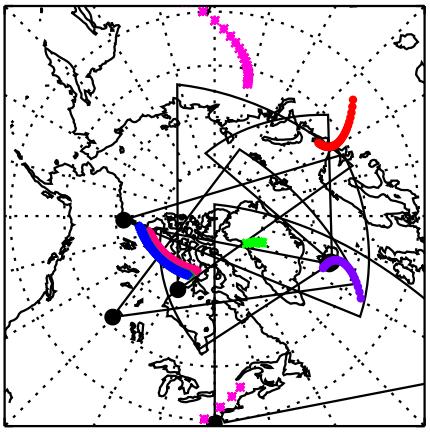


unw zho

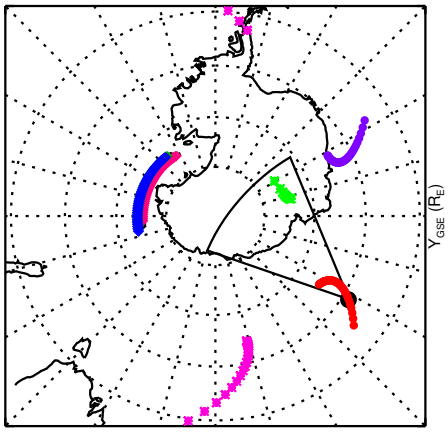


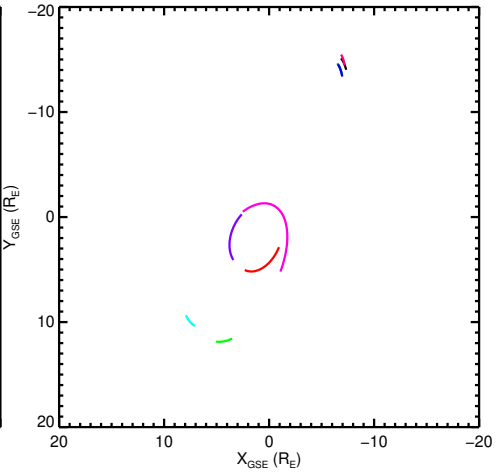


(d) 1230UT to 1535UT
inv pyk rkn sas sto wal

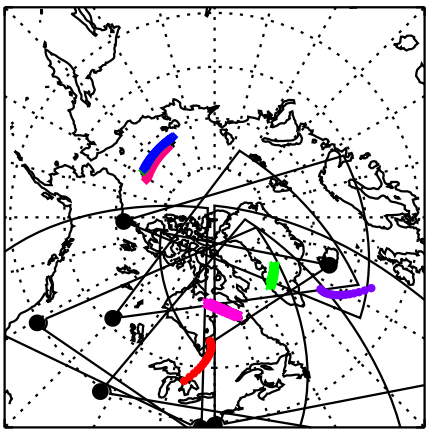


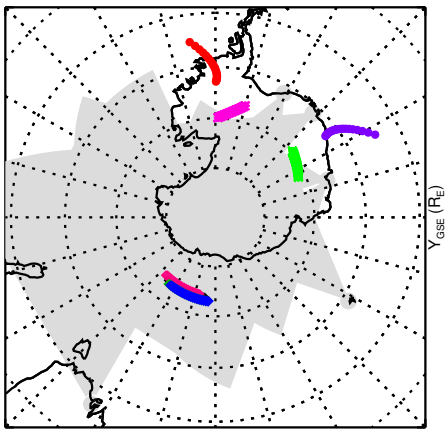
ker

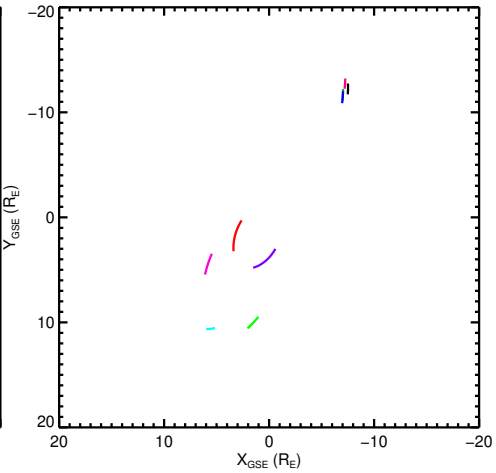




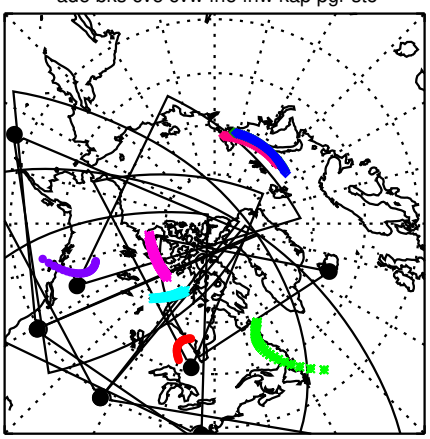
(e) 1745UT to 1925UT
bks cve fhe inv sas sto wal



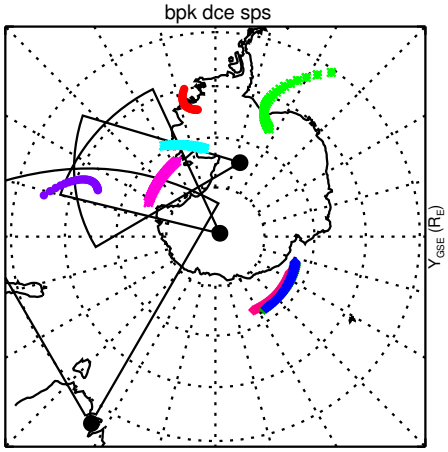


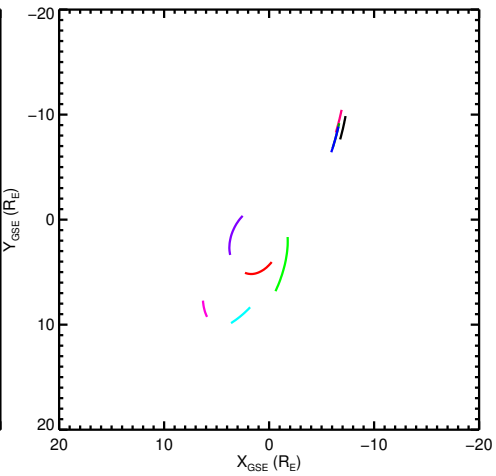


(f) 2130UT to 2355UT
ade bks cve cvw fhe fhw kap pgr sto



bpk dce sps

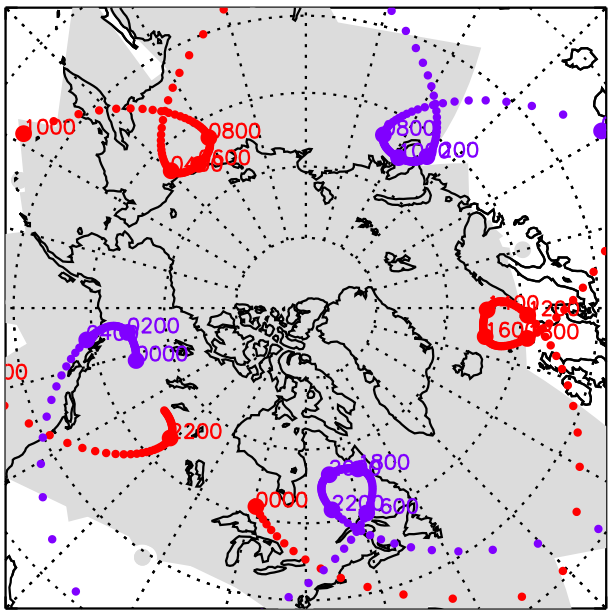


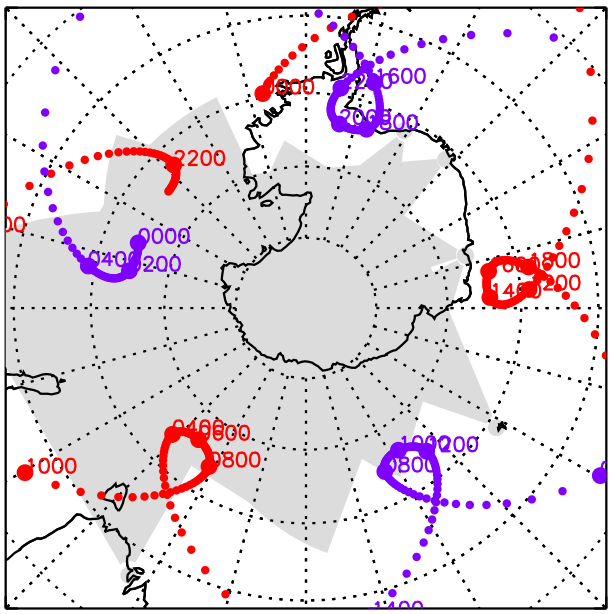


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

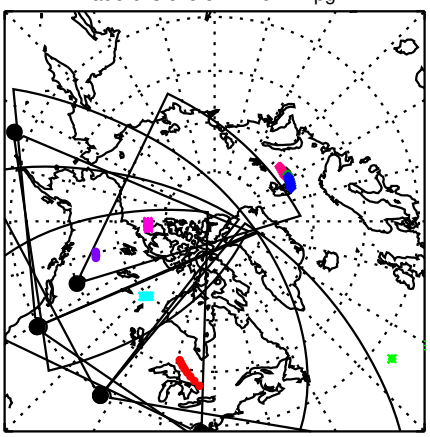
25–Jun–2017

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

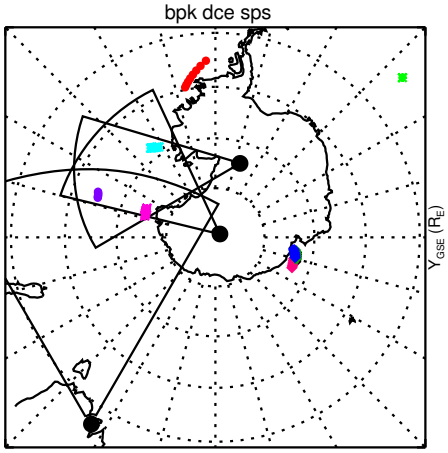


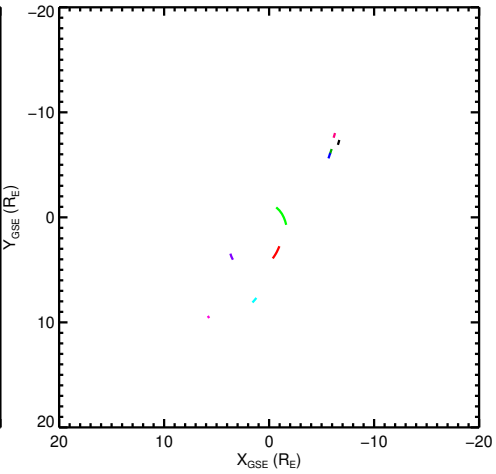


(a) 0000UT to 0035UT
ade bks cve cvw fhe fhw pgr

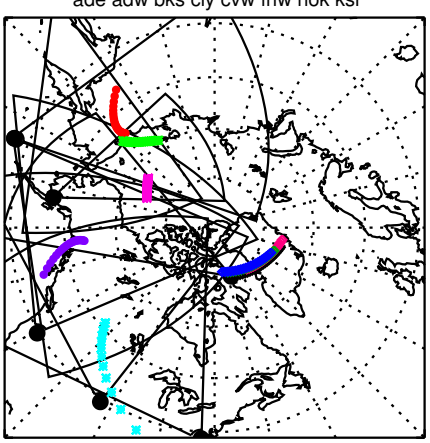


bpk dce sps

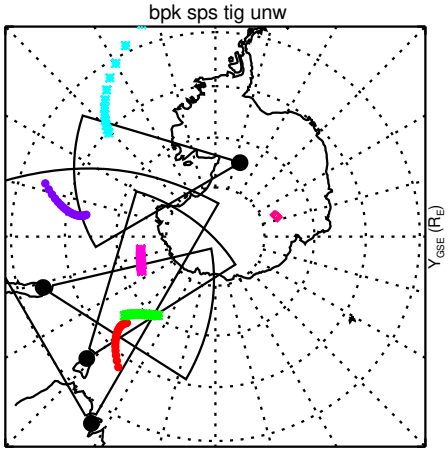


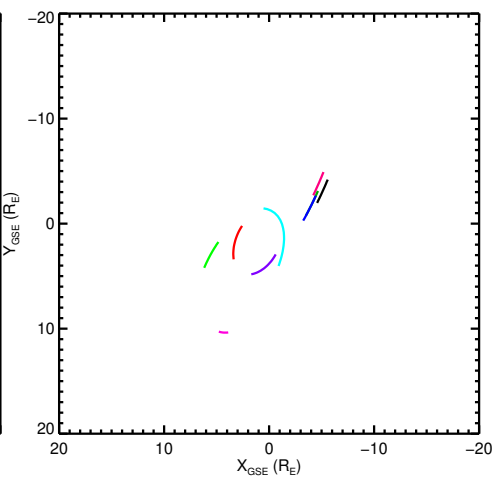


(b) 0240UT to 0430UT
ade adw bks cly cvw fhw hok ksr



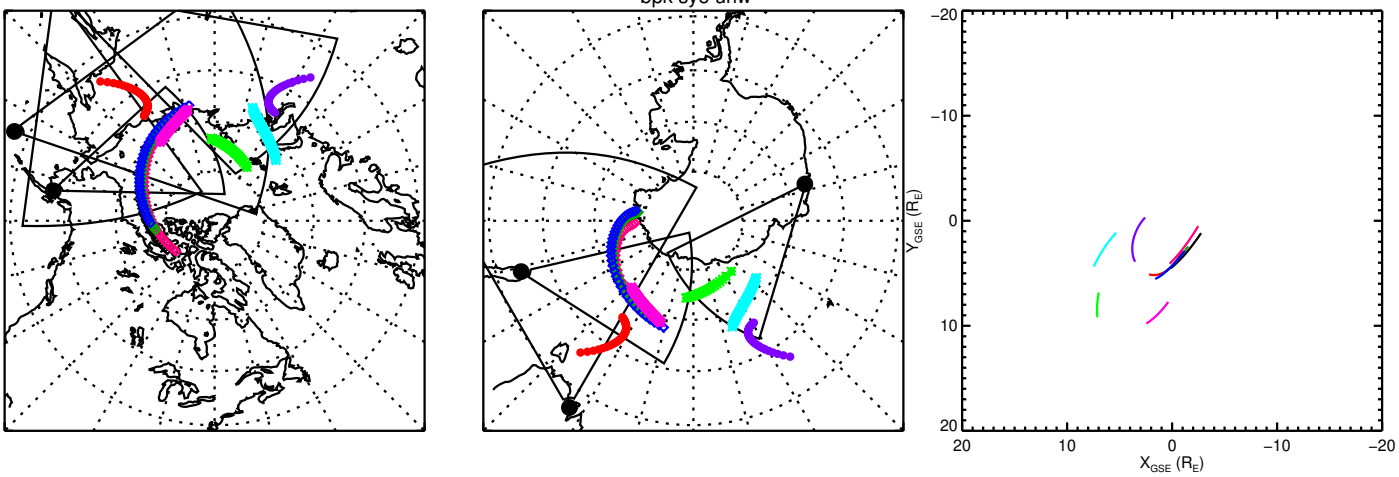
bpk sps tig unw



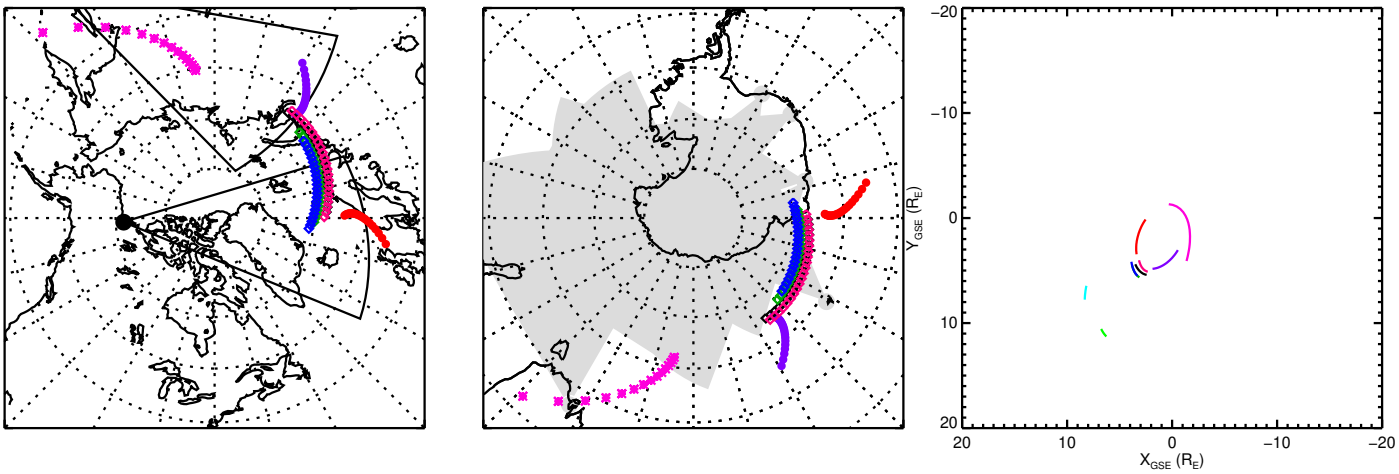


(c) 0635UT to 0930UT
adw hkw hok ksr

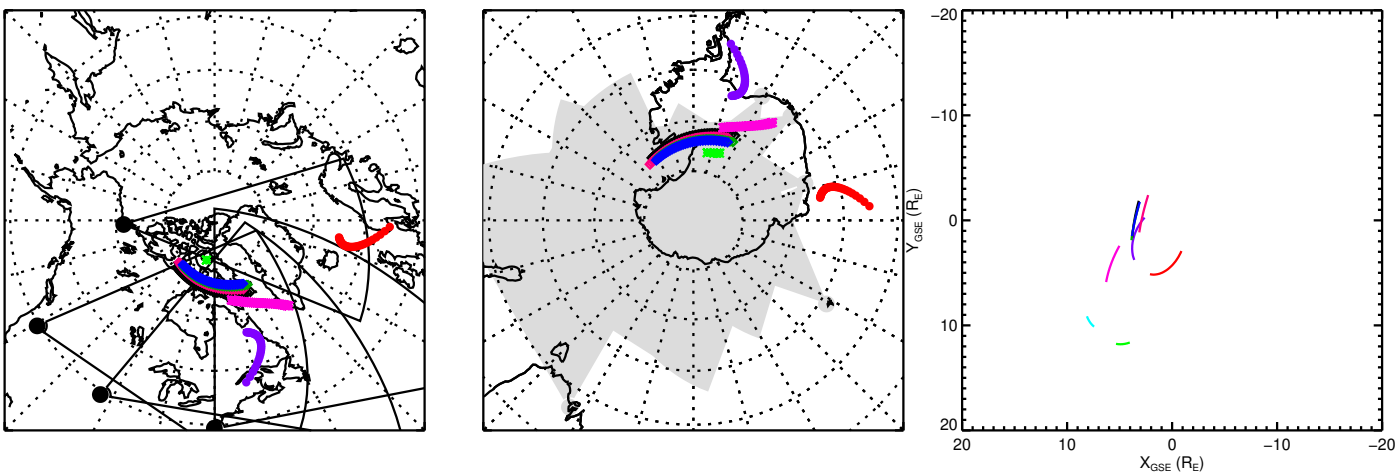
bpk sye unw



(d) 1135UT to 1330UT
hkw inv

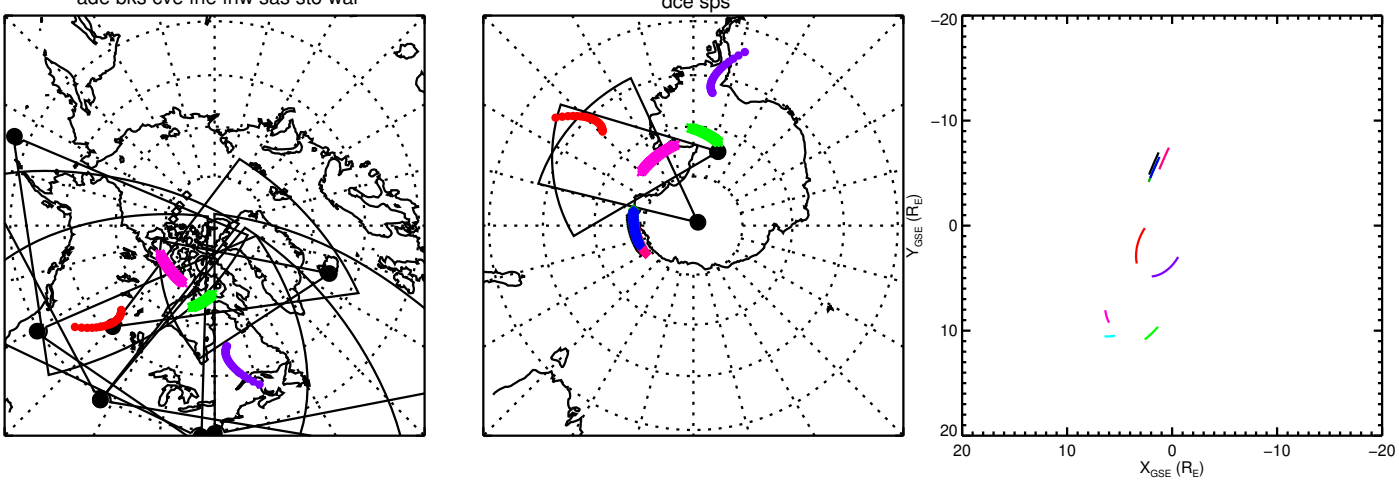


(e) 1540UT to 1825UT
cve fhe inv wal



(f) 2035UT to 2235UT
ade bks cve fhe fhw sas sto wal

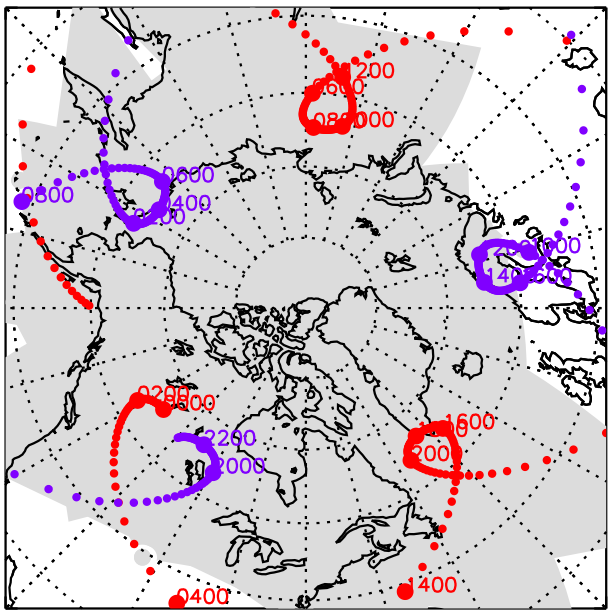
dce sps

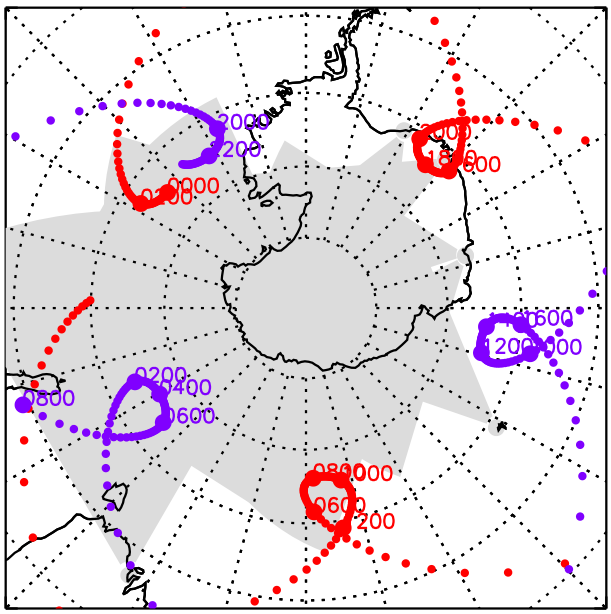


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

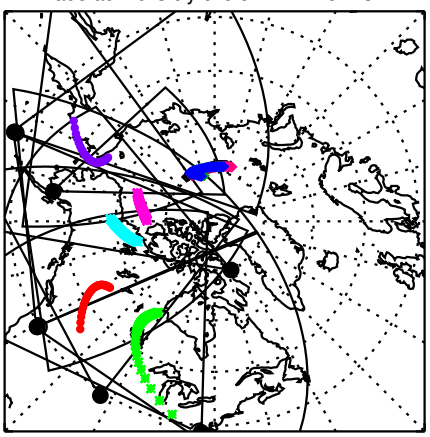
26–Jun–2017

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

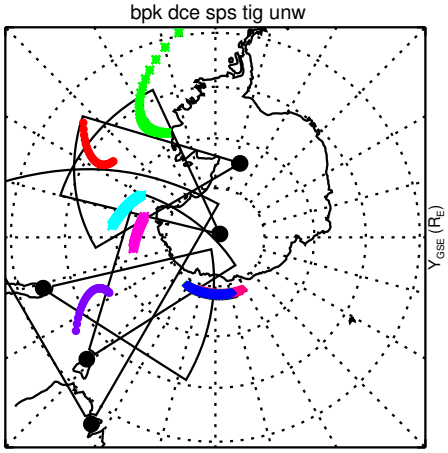


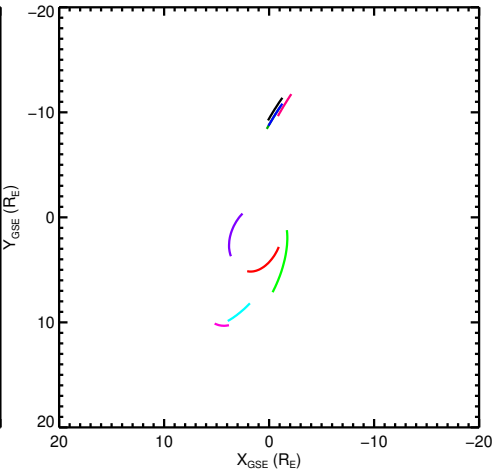


(a) 0040UT to 0325UT
ade adw bks cly cve cvw fhw hok ksr

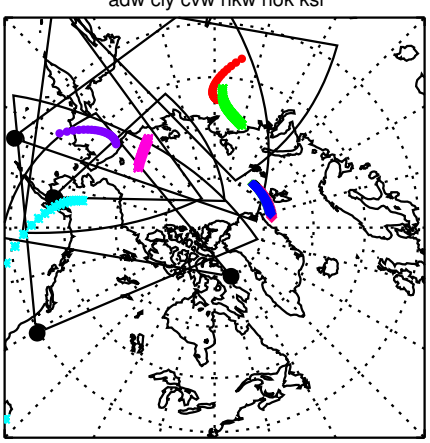


bpk dce sps tig unw

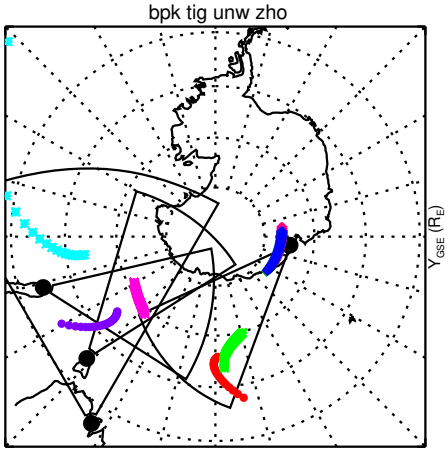


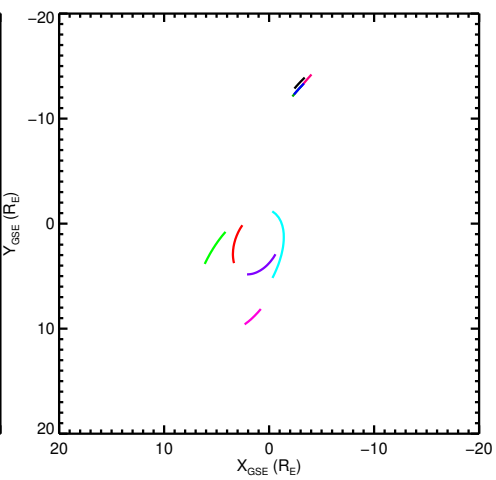


(b) 0530UT to 0740UT
adw cly cvw hkw hok ksr

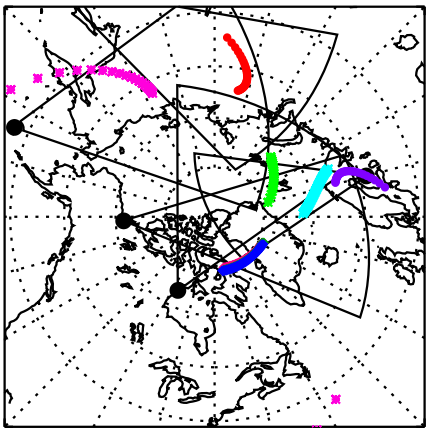


bpk tig unw zho

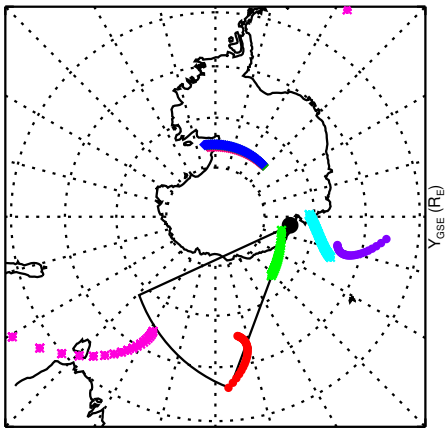


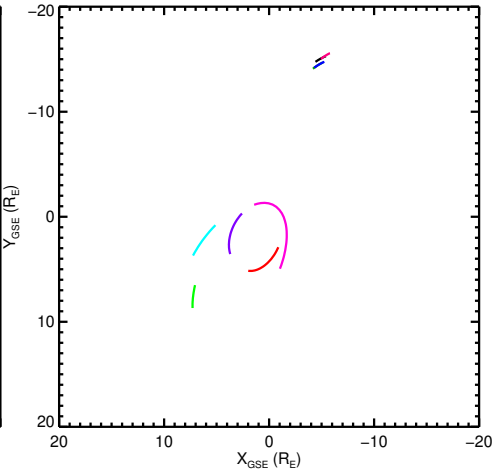


(c) 0945UT to 1220UT
adw han hkw inv rkn

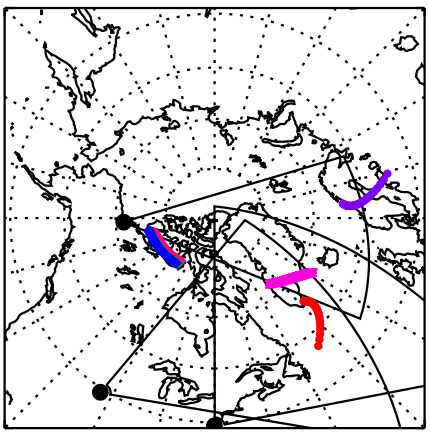


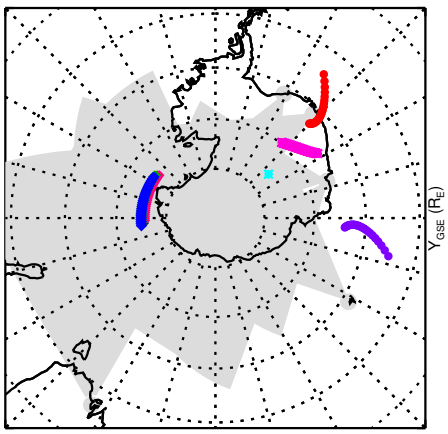
zho

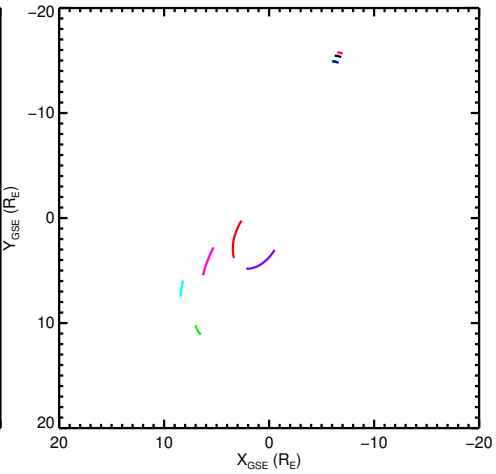




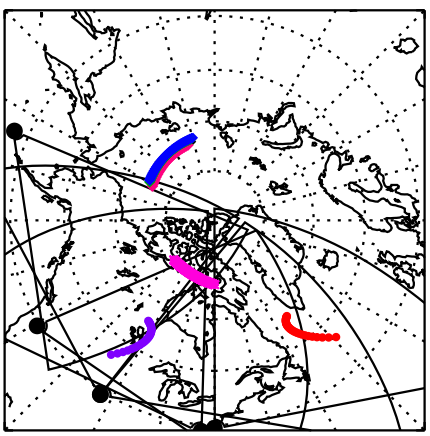
(d) 1430UT to 1640UT
fhe inv wal



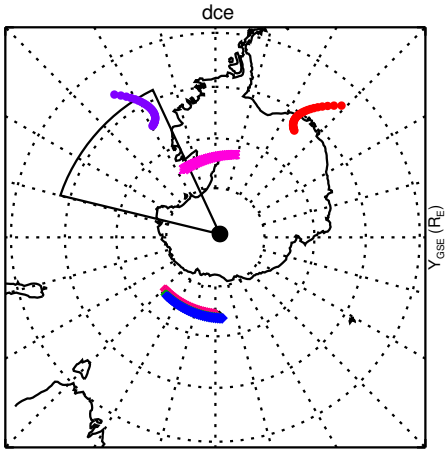


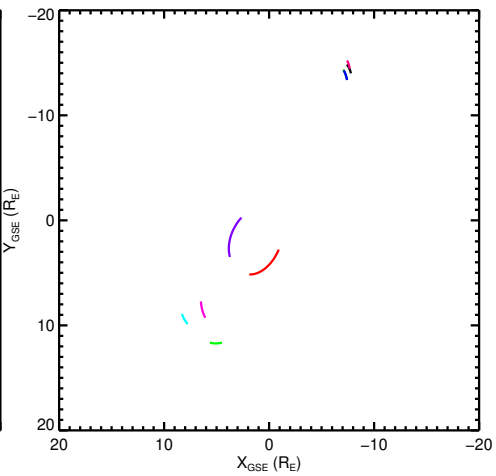


(e) 1850UT to 2120UT
ade bks cve fhe fhw wal

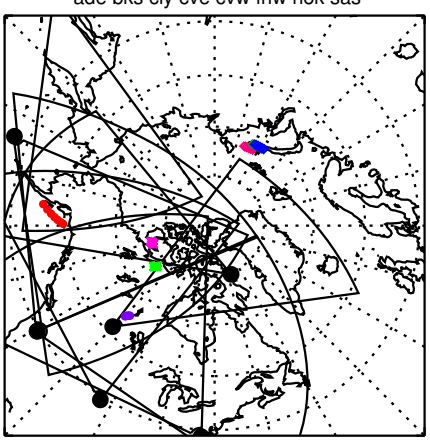


dce

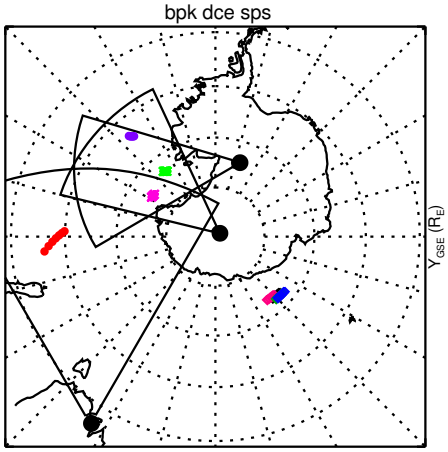


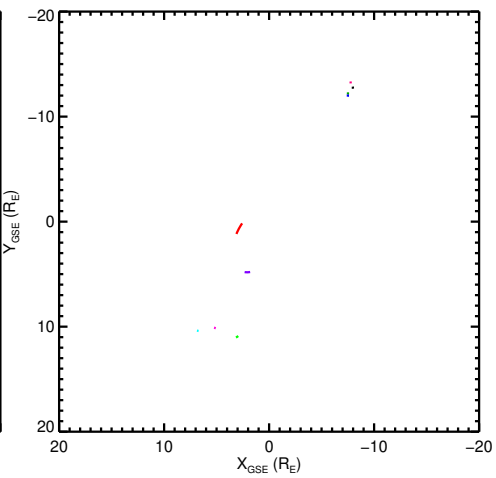


(f) 2325UT to 2355UT
ade bks cly cve cvw fhw hok sas



bpk dce sps

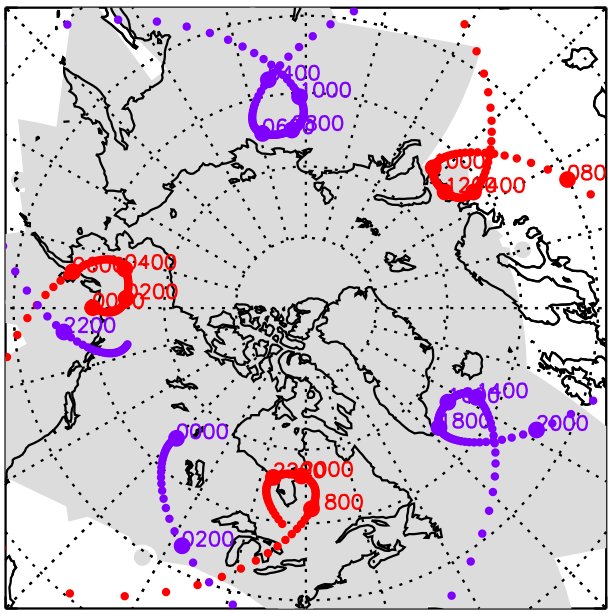


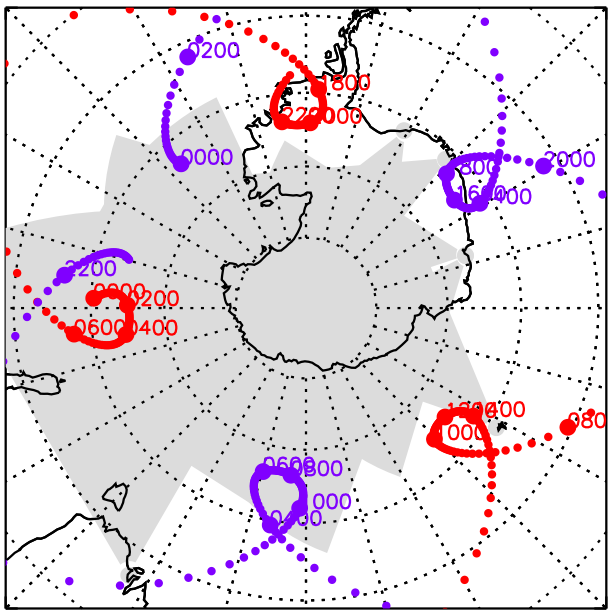


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

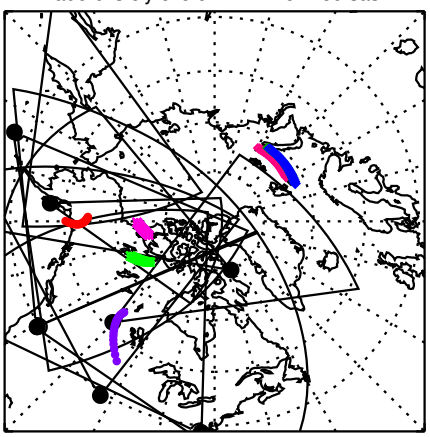
27–Jun–2017

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

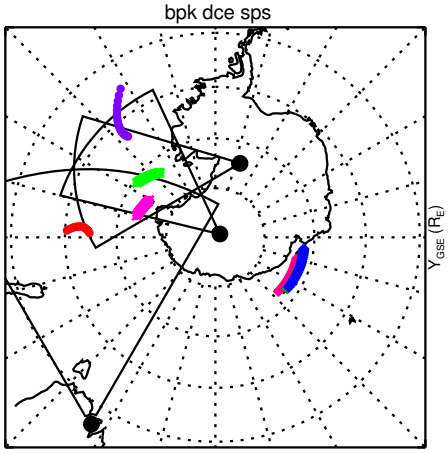


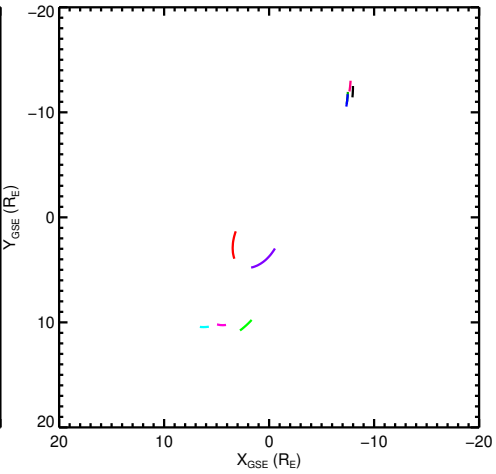


(a) 0000UT to 0145UT
ade bks cly cve cvw fhw hok kod sas

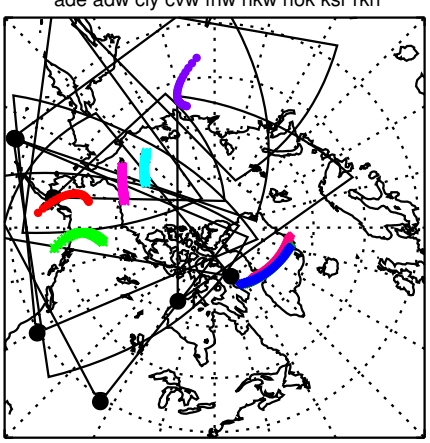


bpk dce sps

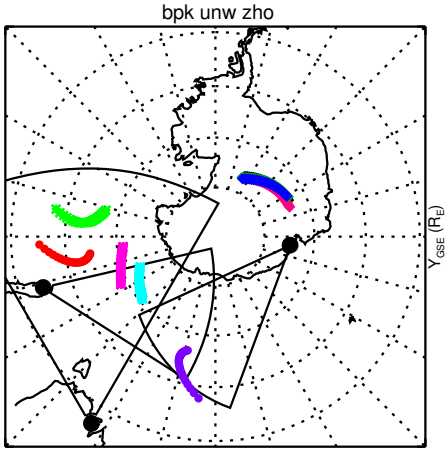


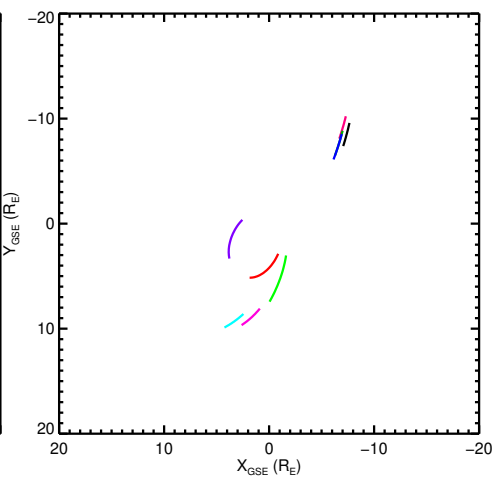


(b) 0350UT to 0615UT
ade adw cly cvw fhw hkw hok ksr rkn

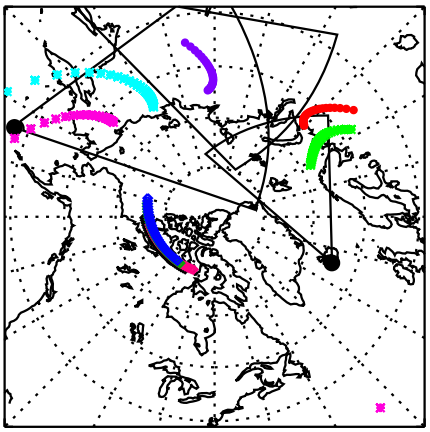


bpk unw zho

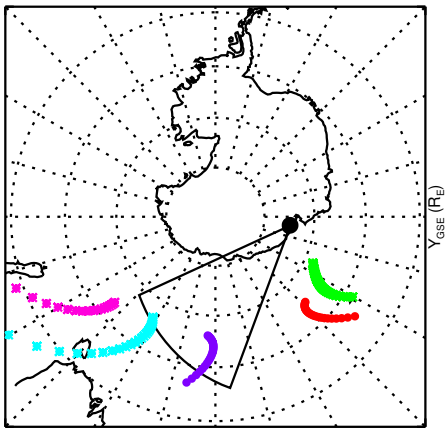


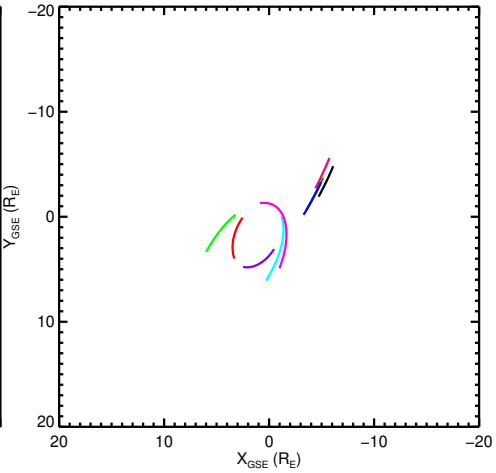


(c) 0820UT to 1045UT
adw hkw pyk

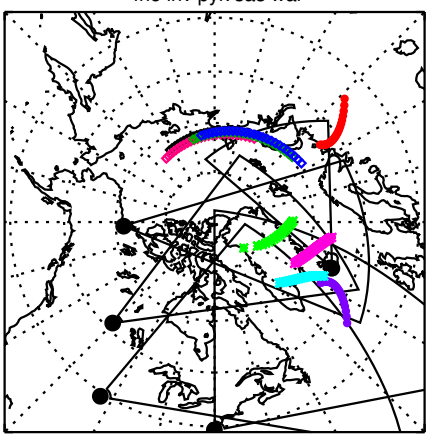


zho





(d) 1255UT to 1510UT
fhe inv pyk sas wal



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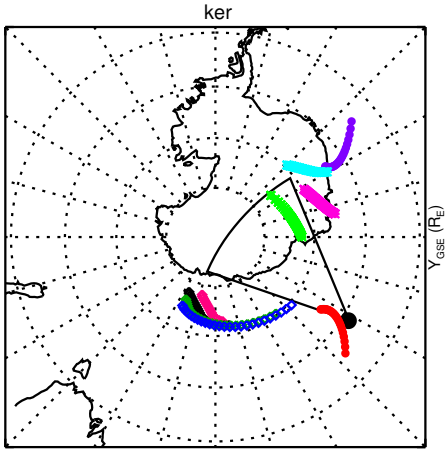
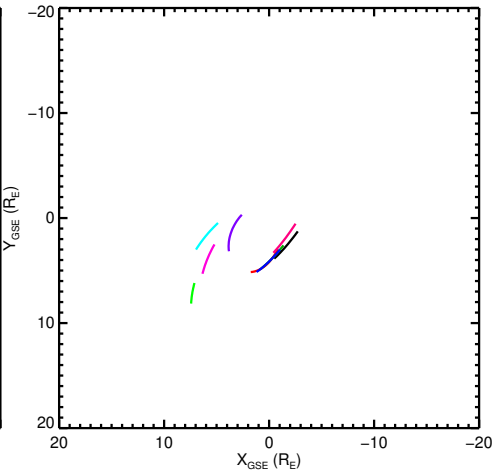
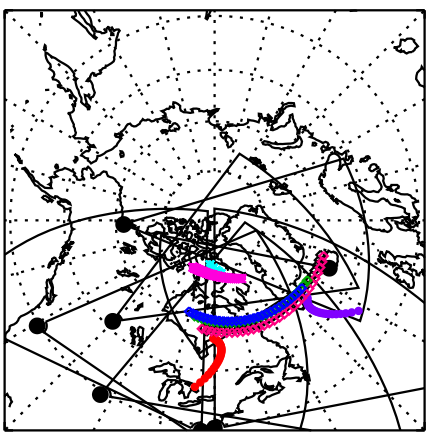
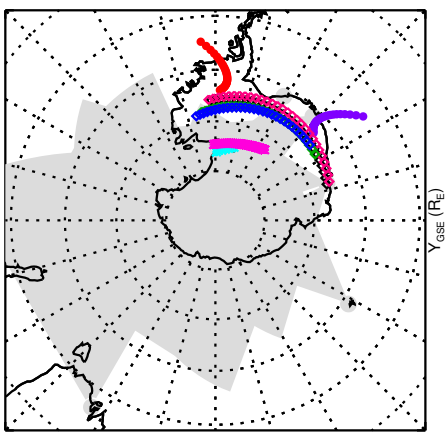
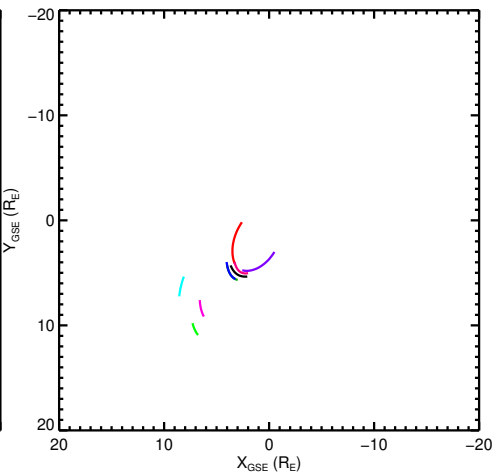




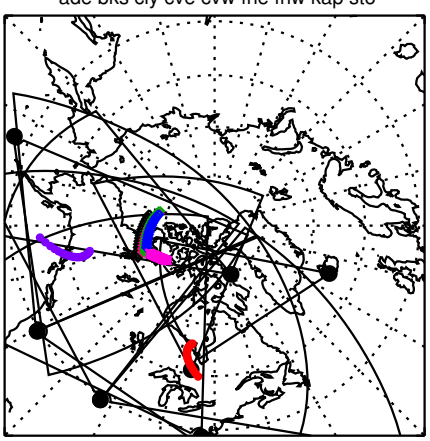
(e) 1720UT to 1950UT
bks cve fhe inv sas sto wal



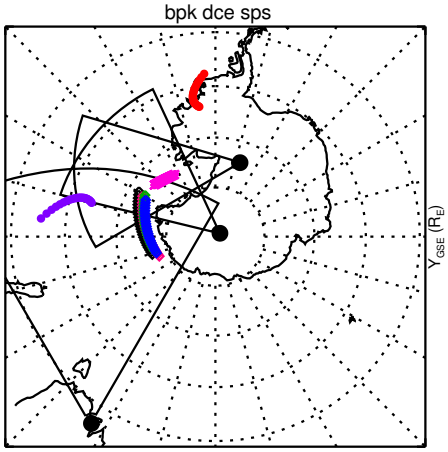


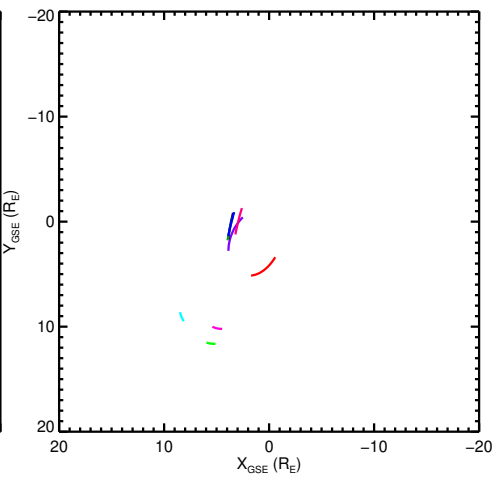


(f) 2155UT to 2355UT
ade bks cly cve cvw fhe fhw kap sto



bpk dce sps

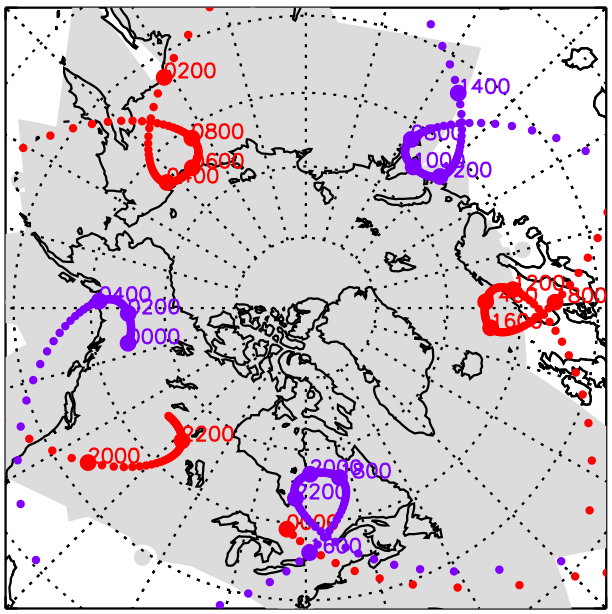


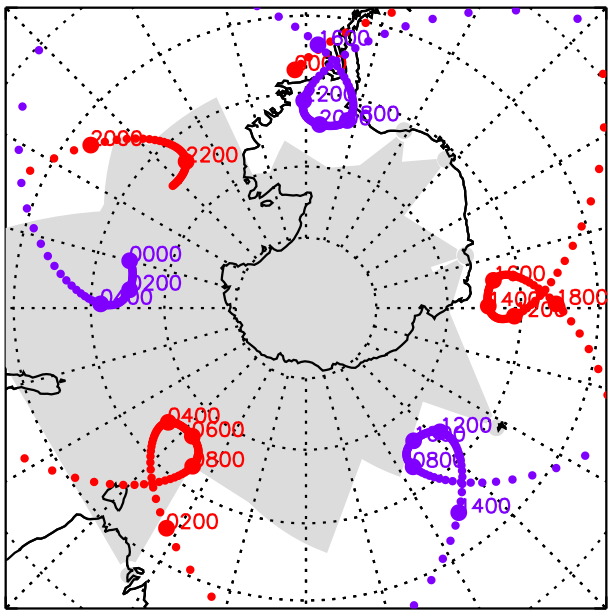


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

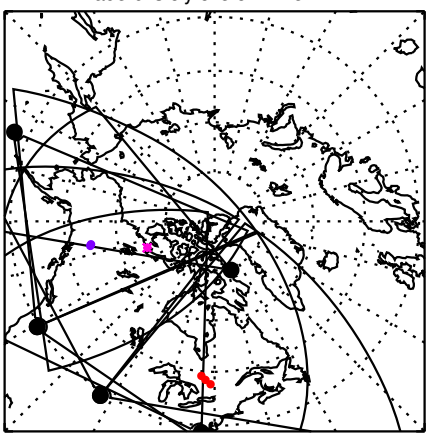
28–Jun–2017

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

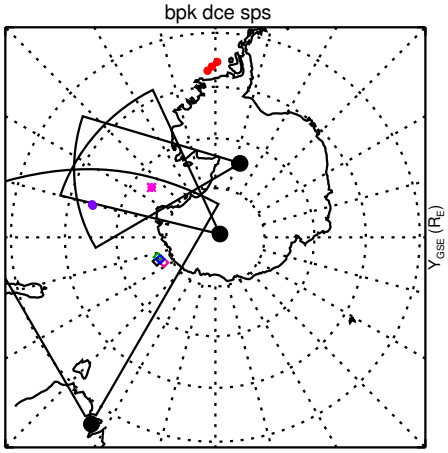


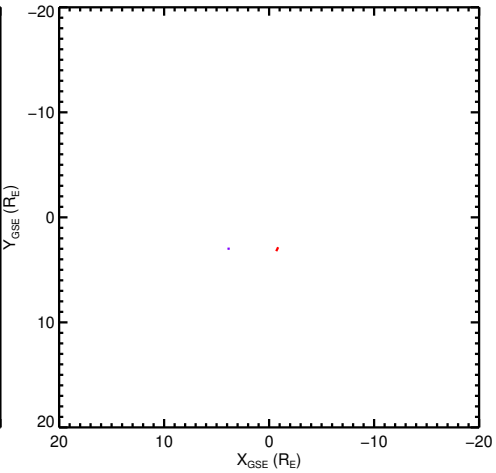


(a) 0000UT to 0010UT
ade bks cly cve cvw fhe fhw

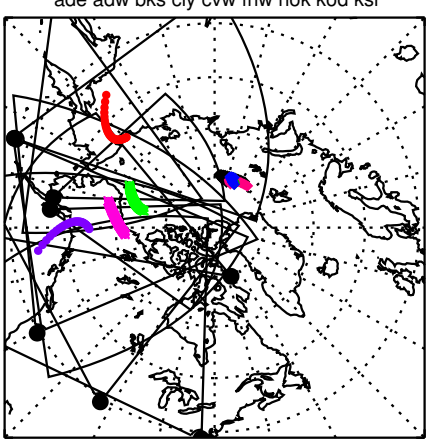


bpk dce sps

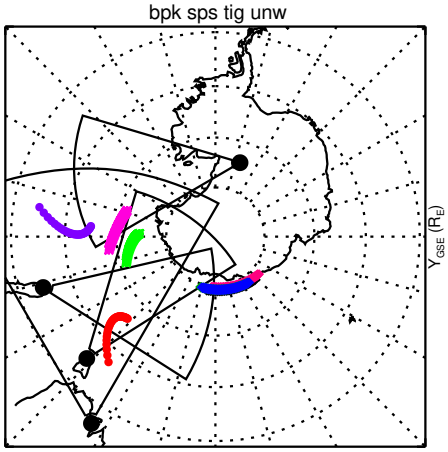


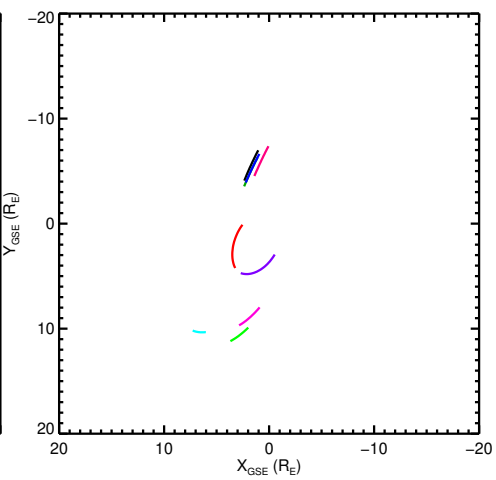


(b) 0215UT to 0455UT
ade adw bks cly cvw fhw hok kod ksr



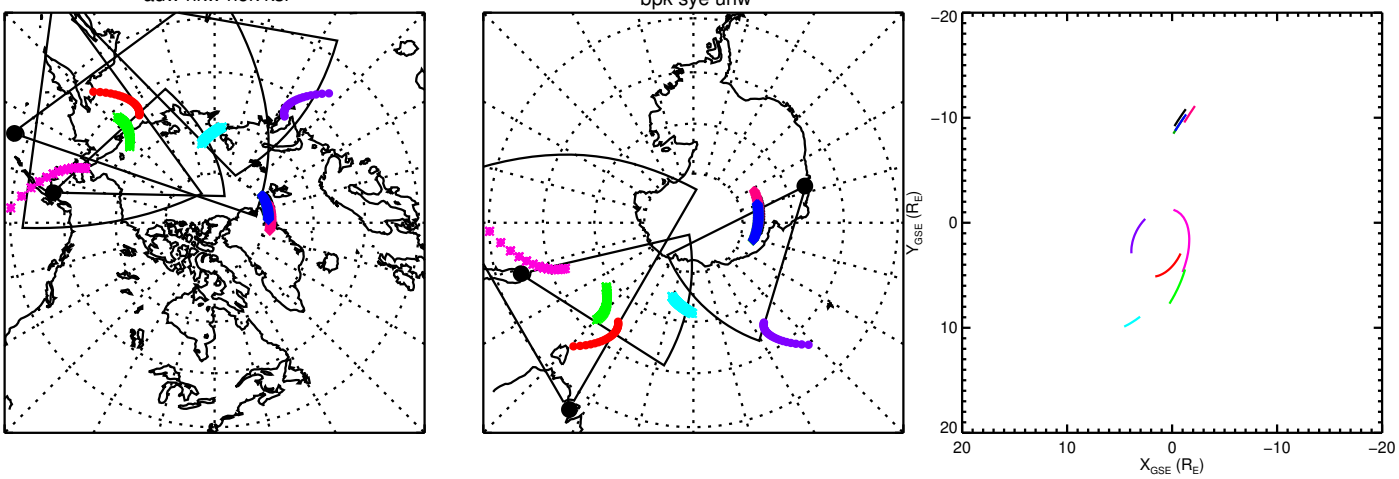
bpk sps tig unw



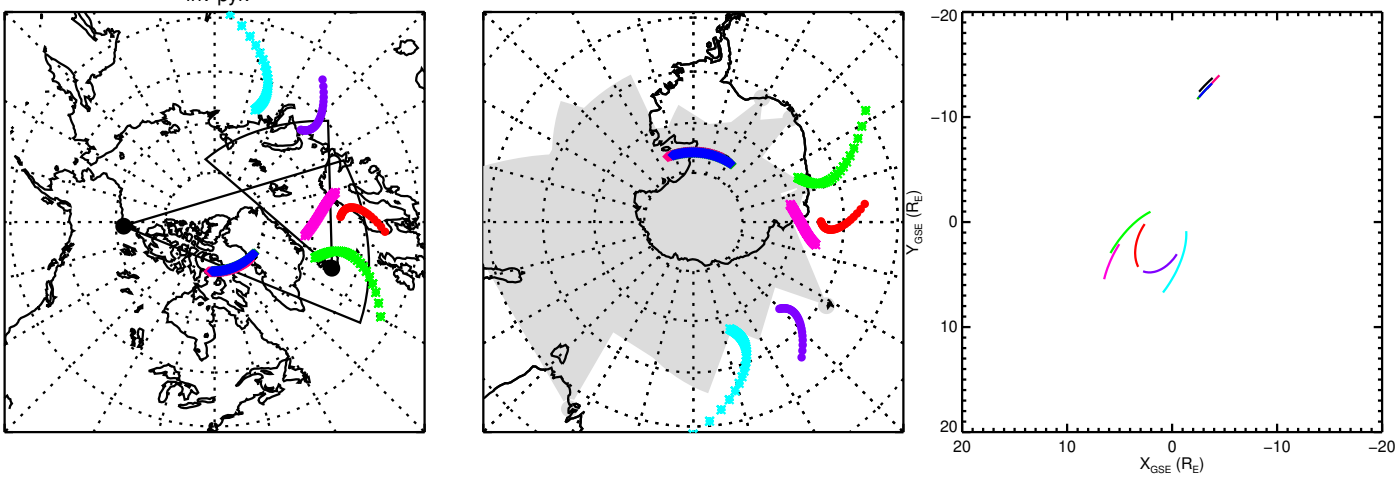


(c) 0700UT to 0905UT
adw hkw hok ksr

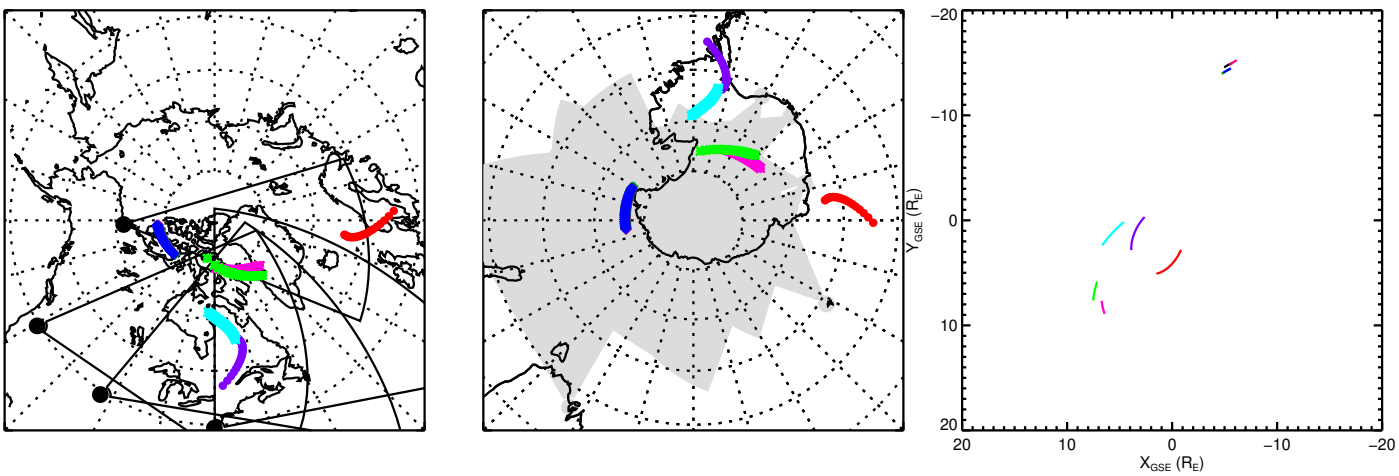
bpk sye unw



(d) 1115UT to 1355UT
inv pyk

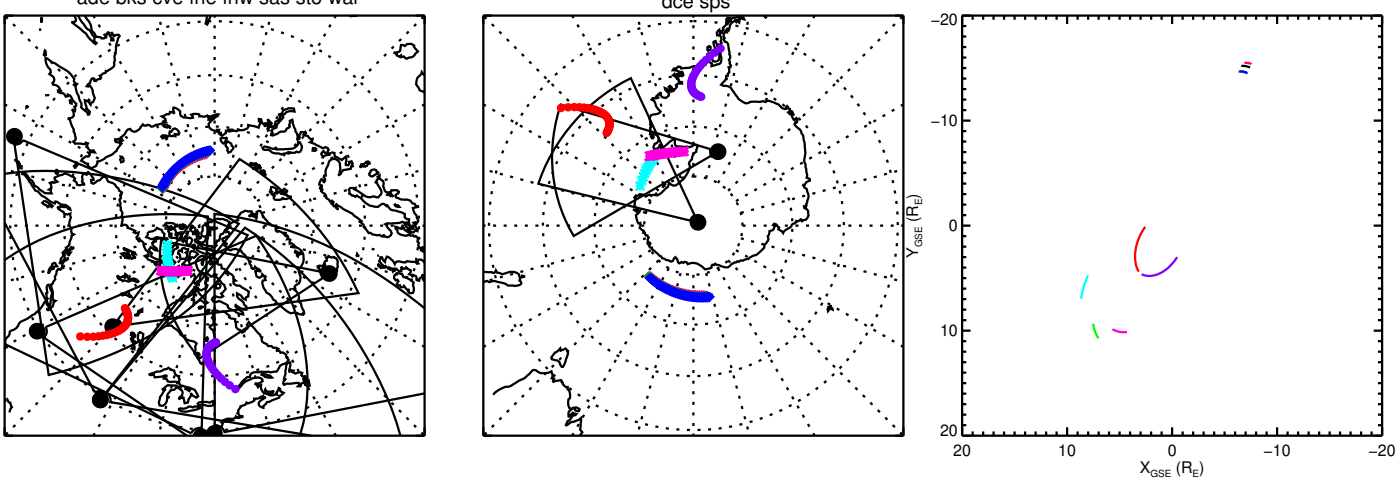


(e) 1605UT to 1805UT
cve fhe inv wal



(f) 2010UT to 2300UT
ade bks cve fhe fhw sas sto wal

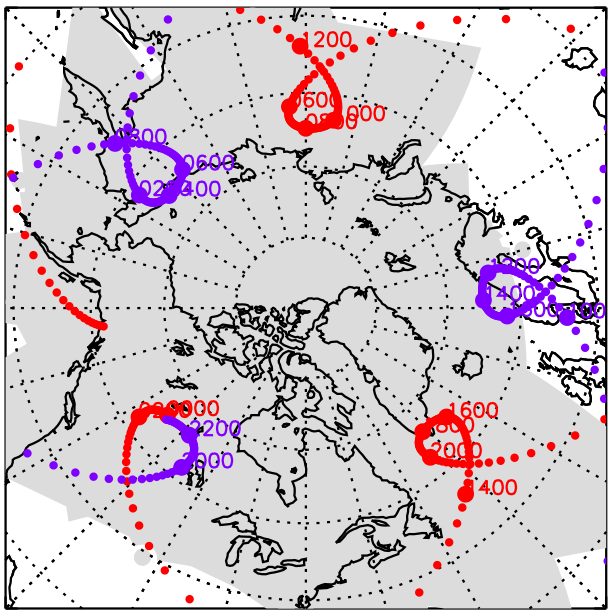
dce sps

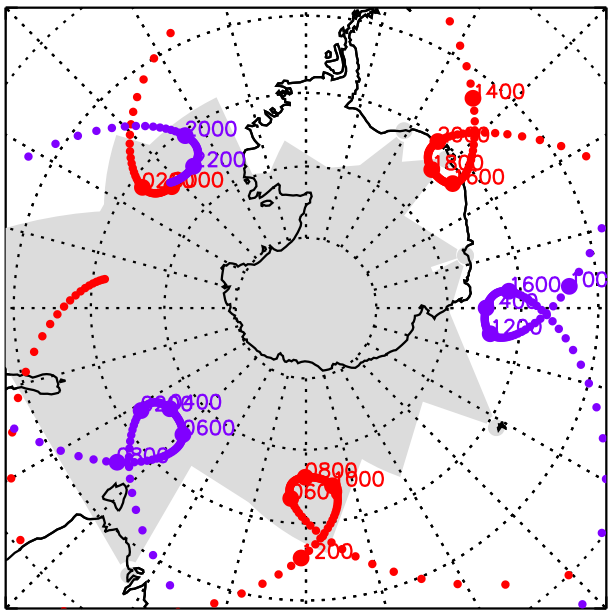


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

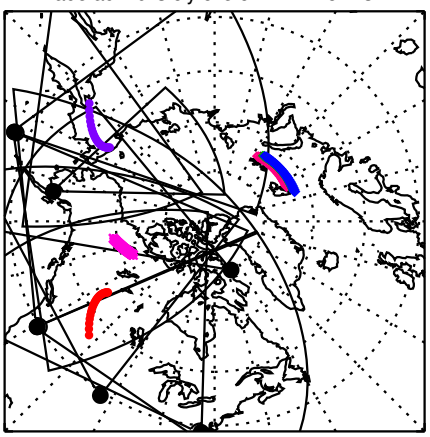
29–Jun–2017

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

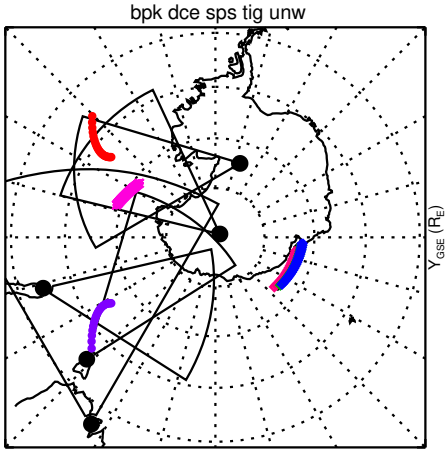


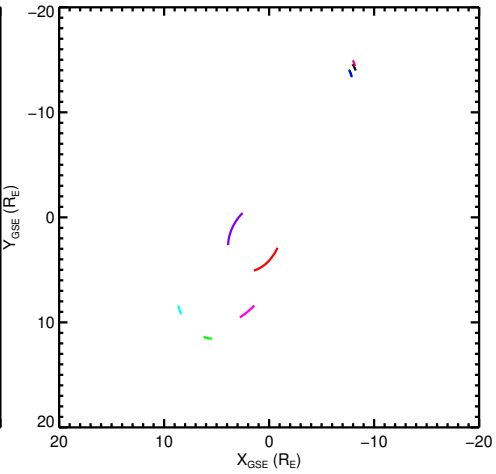


(a) 0105UT to 0300UT
ade adw bks cly cve cvw fhw hok ksr

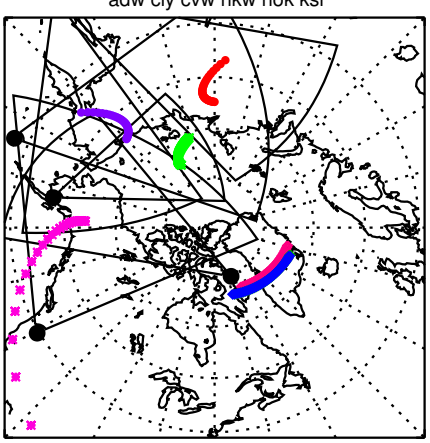


bpk dce sps tig unw

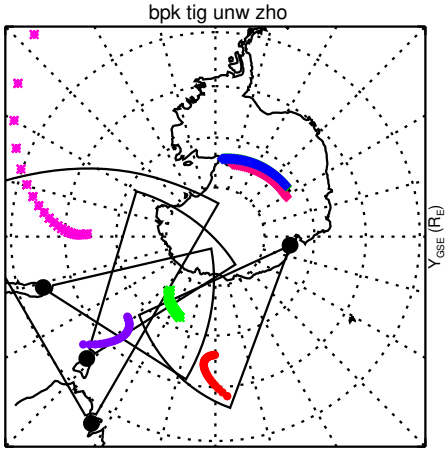


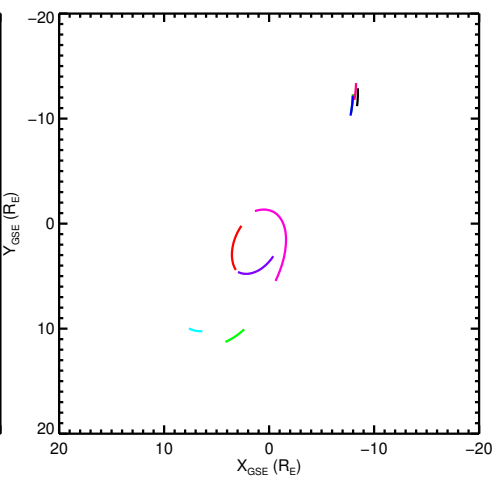


(b) 0510UT to 0800UT
adw cly cvw hkw hok ksr

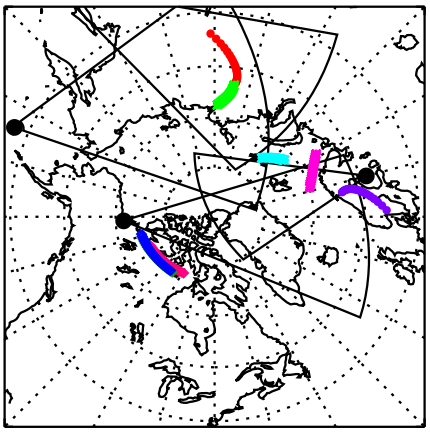


bpk tig unw zho

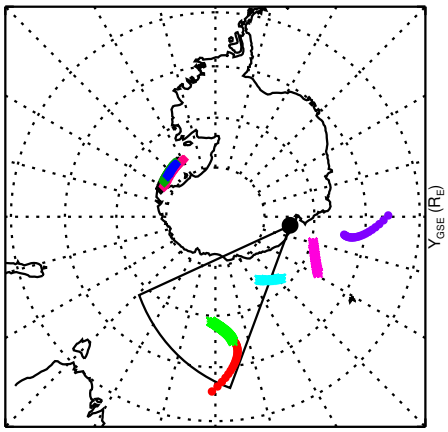


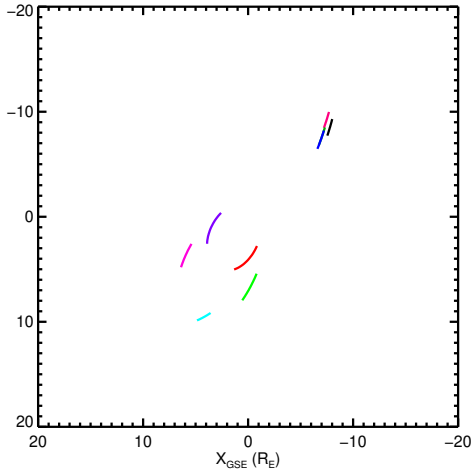


(c) 1010UT to 1200UT
adw han hkw inv

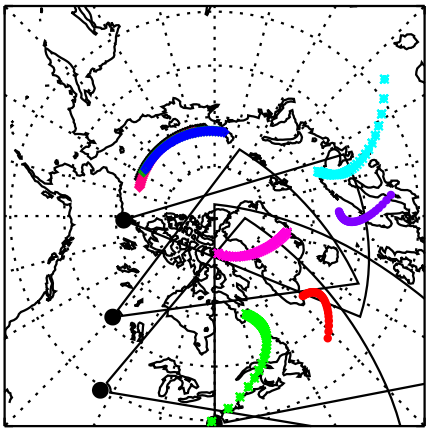


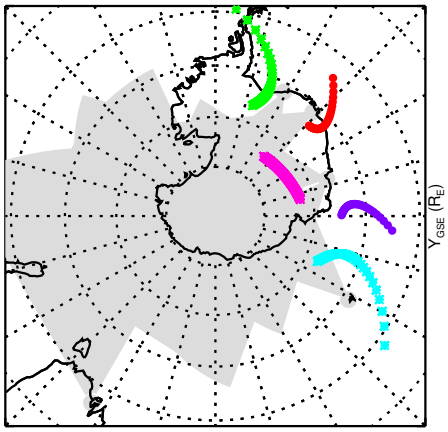
zho

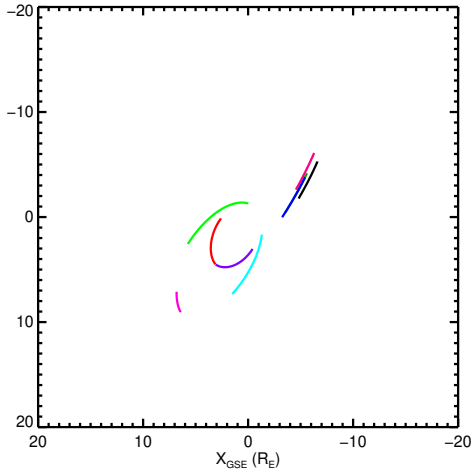




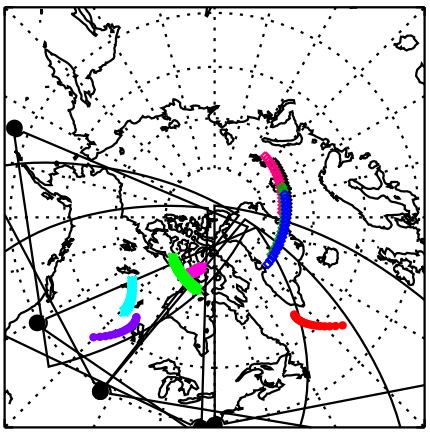
(d) 1405UT to 1705UT
fhe inv sas wal



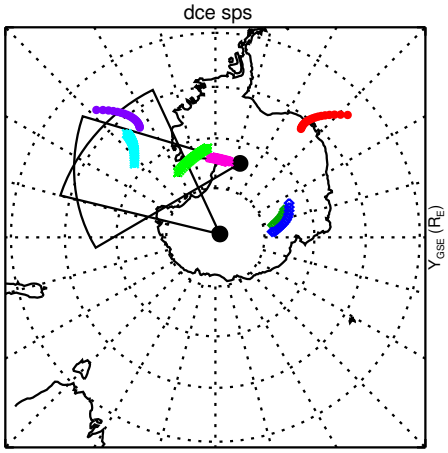


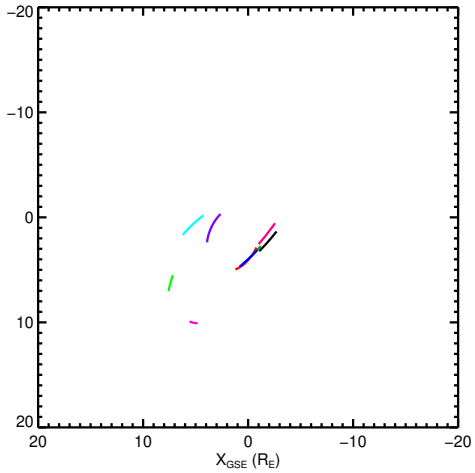


(e) 1915UT to 2055UT
ade bks cve fhe fhw wal

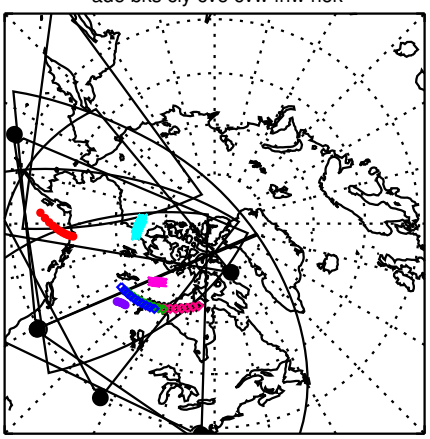


dce sps

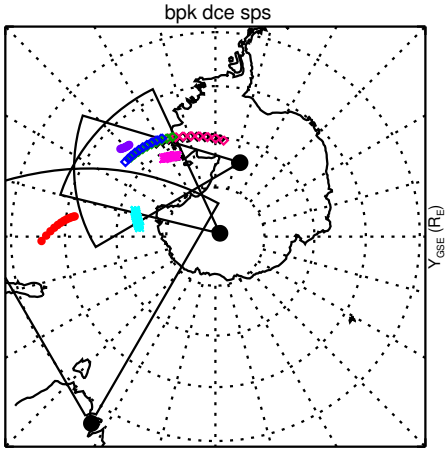


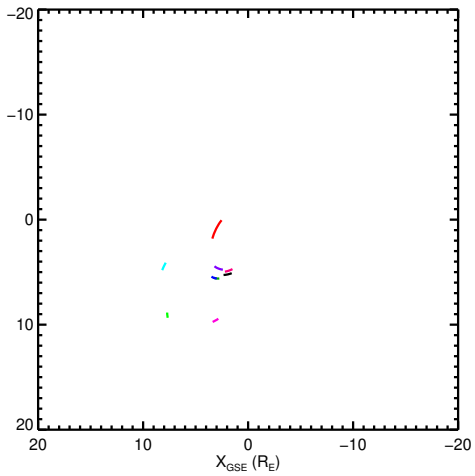


(f) 2300UT to 2355UT
ade bks cly cve cvw fhw hok



bpk dce sps

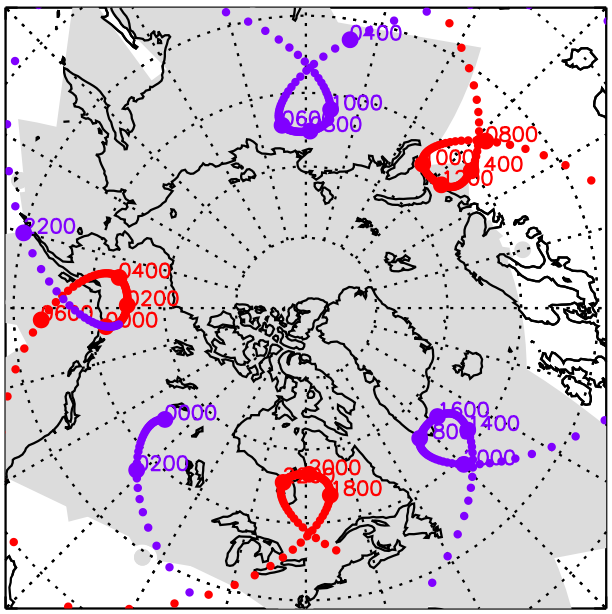


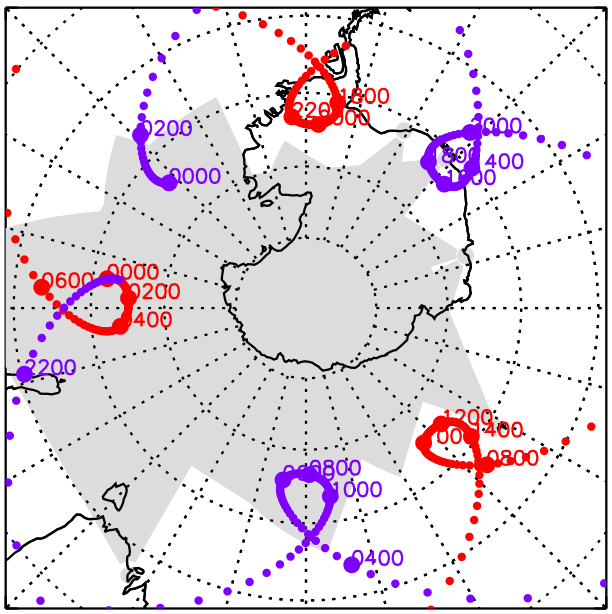


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

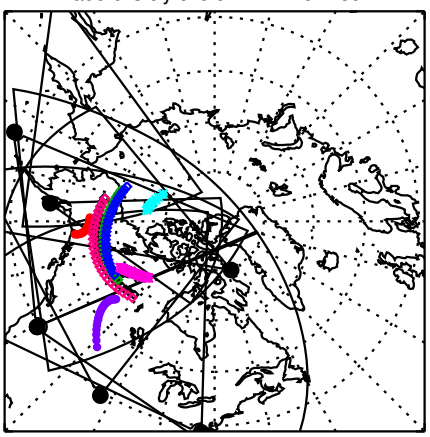
30–Jun–2017

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

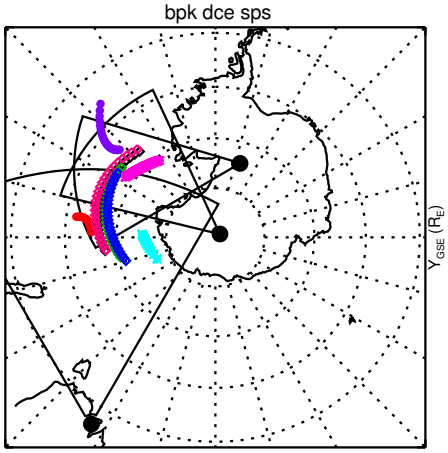


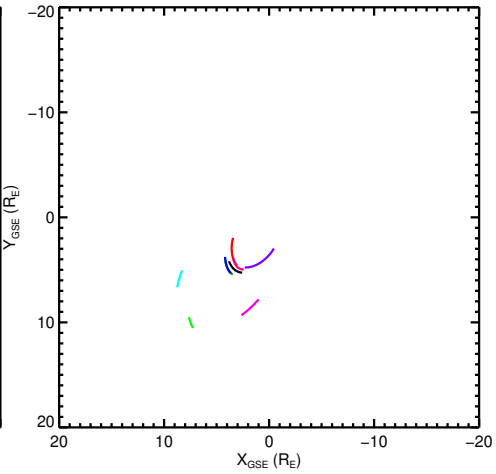


(a) 0000UT to 0210UT
ade bks cly cve cvw fhw hok kod

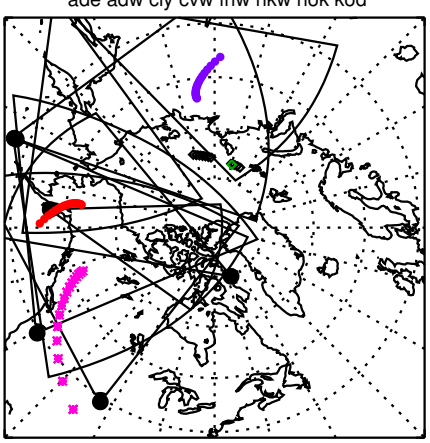


bpk dce sps

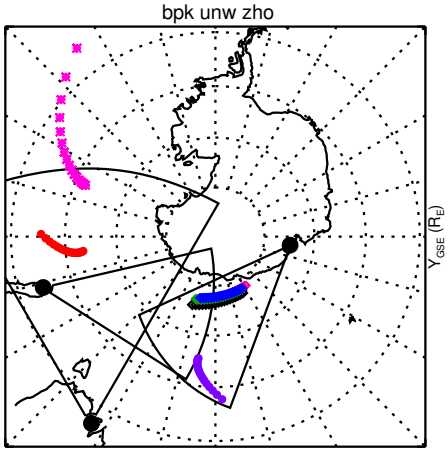


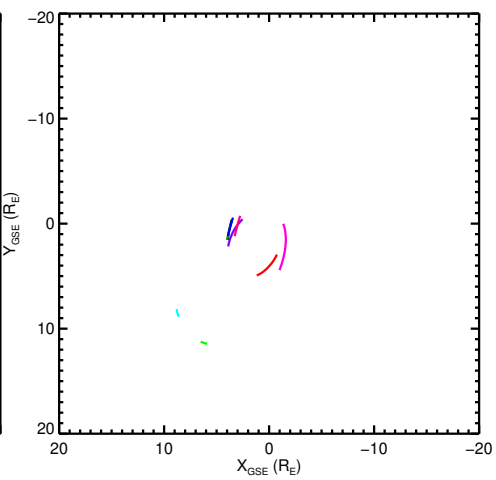


(b) 0415UT to 0550UT
ade adw cly cvw fhw hkw hok kod

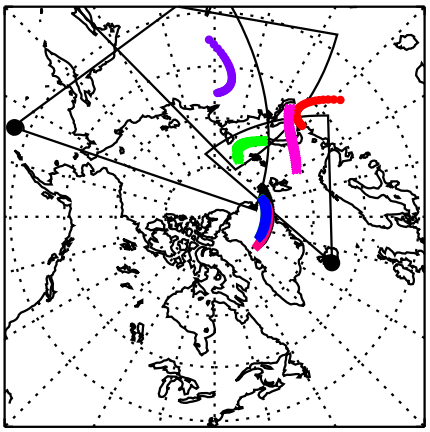


bpk unw zho

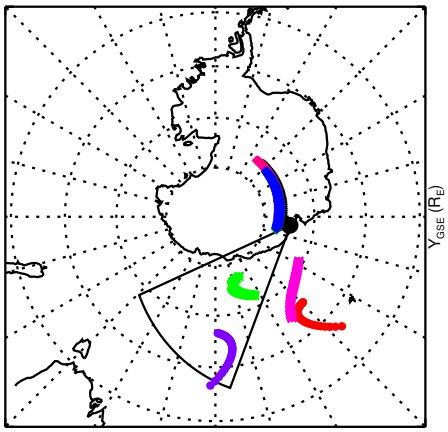


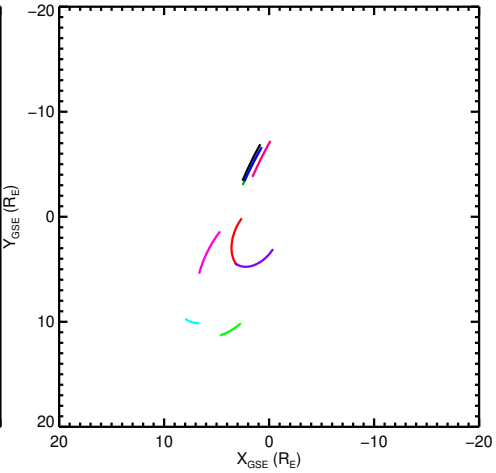


(c) 0800UT to 1110UT
adw hkw pyk

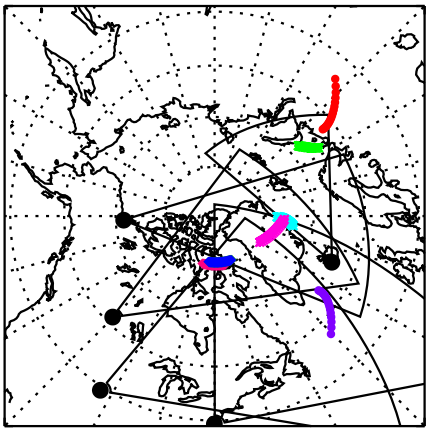


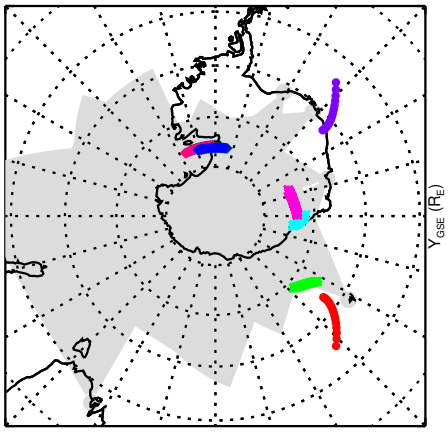
zho

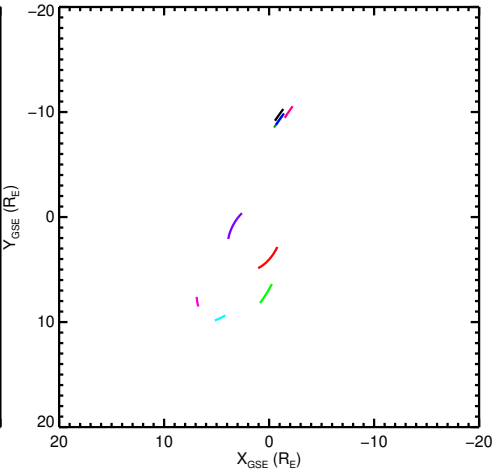




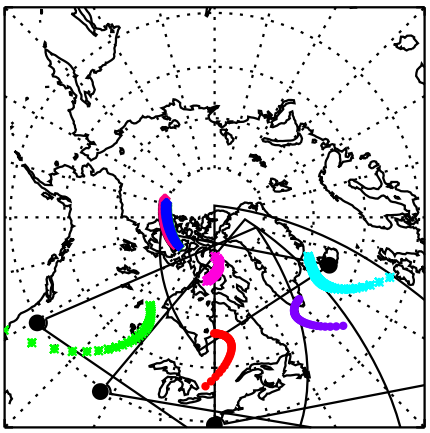
(d) 1320UT to 1450UT
fhe inv pyk sas wal



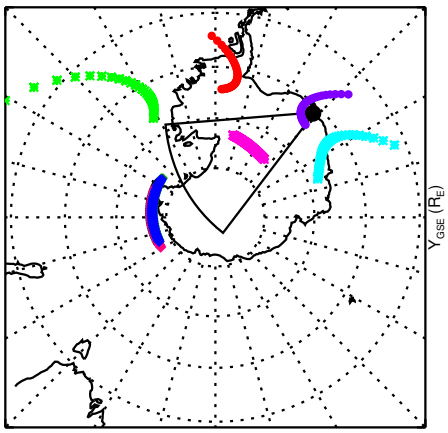


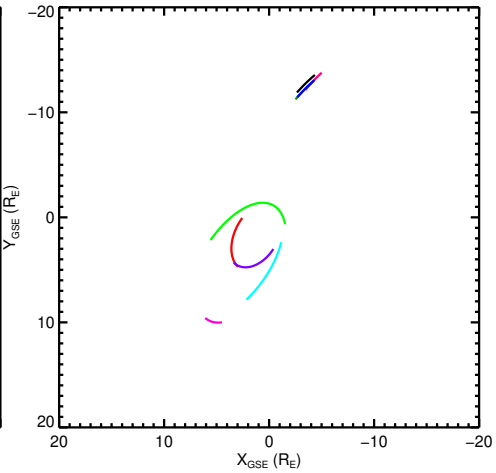


(e) 1655UT to 2015UT
cve fhe sto wal

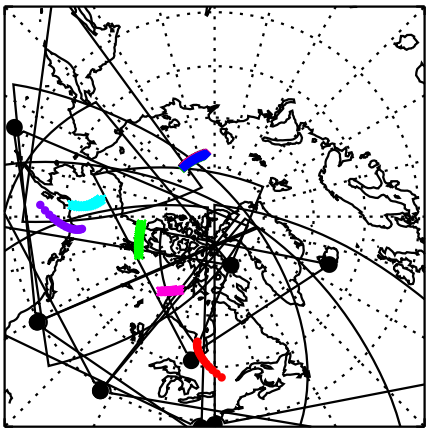
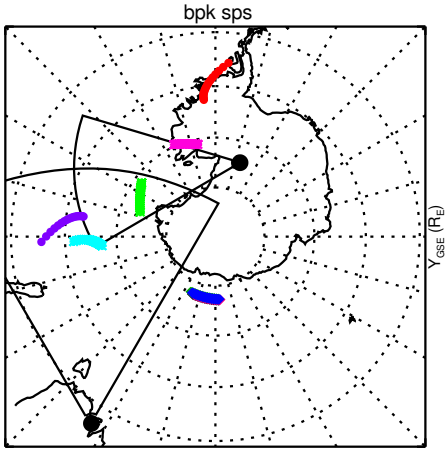
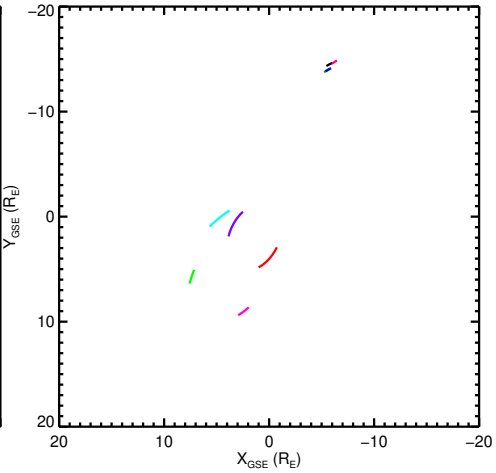


san





(f) 2220UT to 2345UT
ade bks cly cve cvw fhe fhw hok kap sto wal



bpk sps