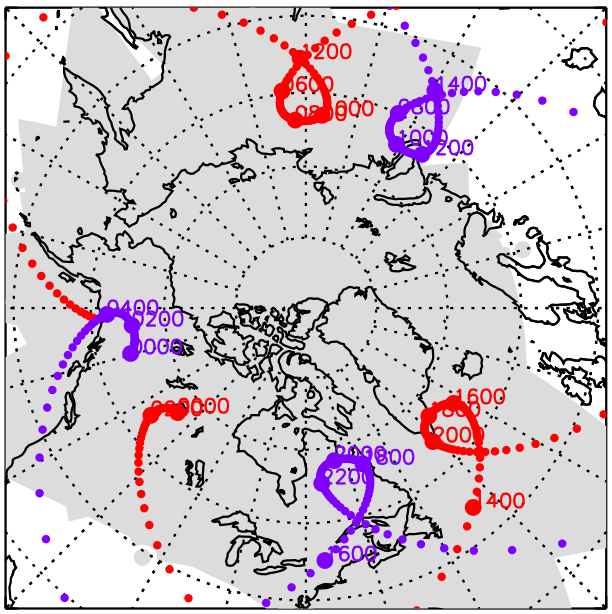
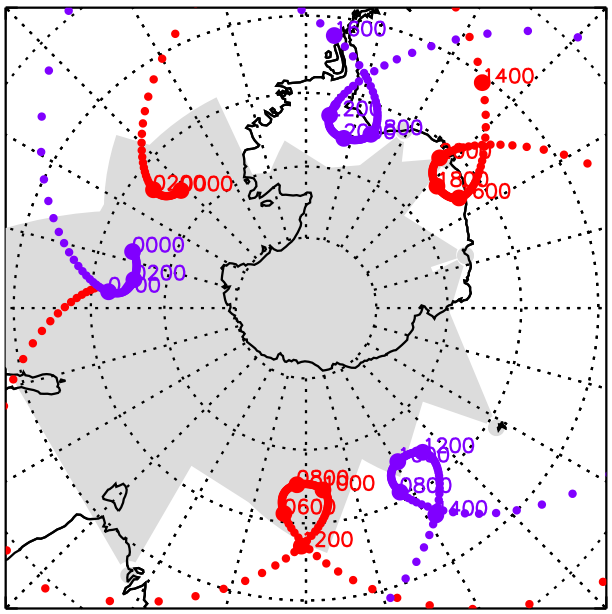
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

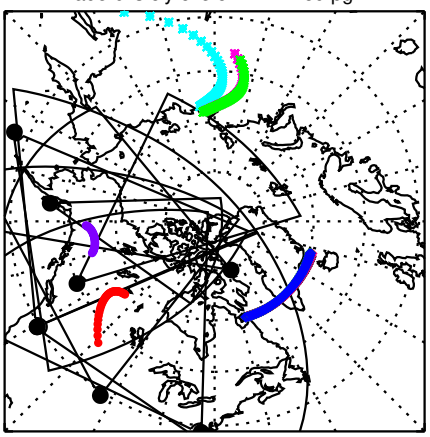
01–Sep–2015

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

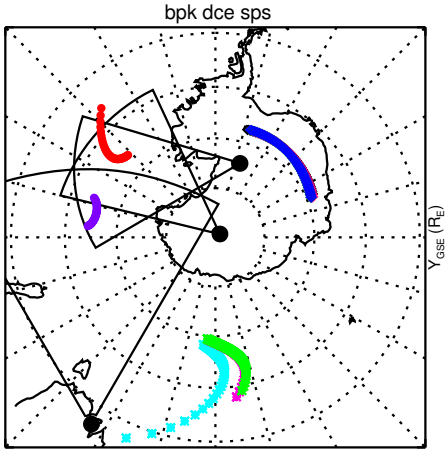


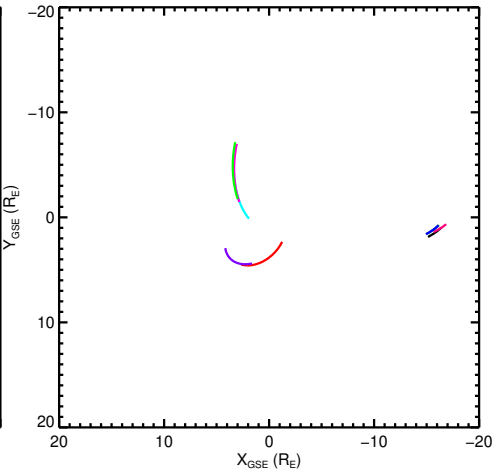


(a) 0000UT to 0310UT
ade bks cly cve cvw fhw kod pgr

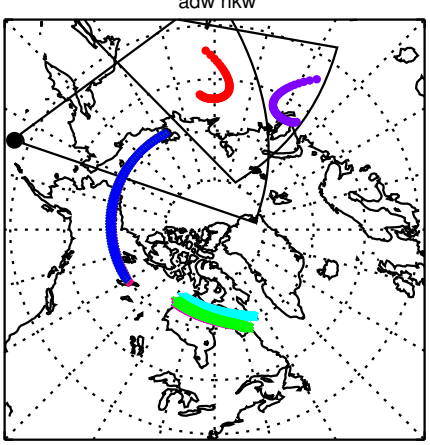


bpk dce sps

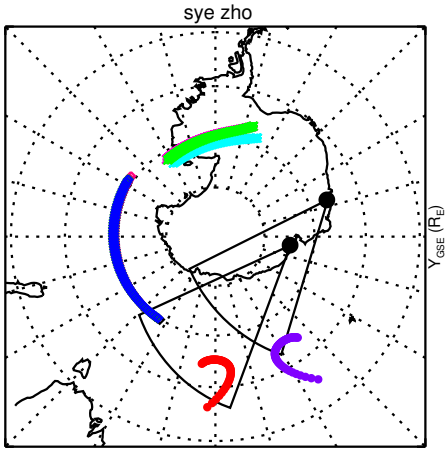


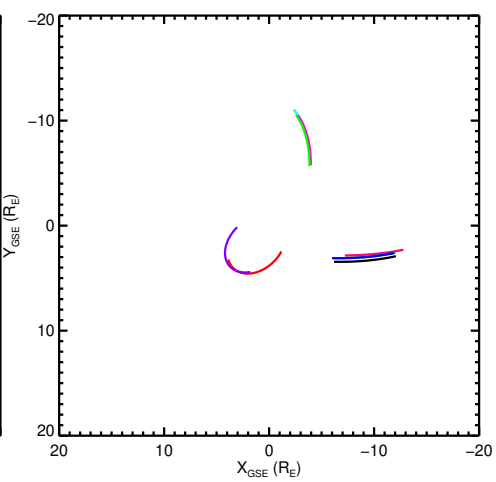


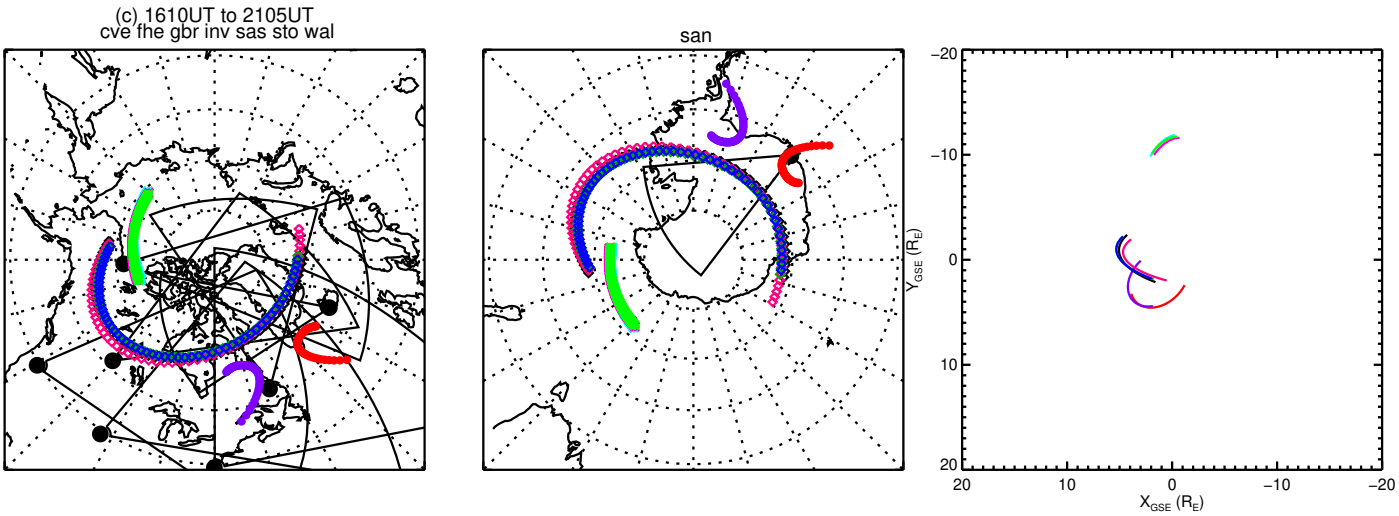
(b) 0710UT to 1205UT
adw hkw



sye zho



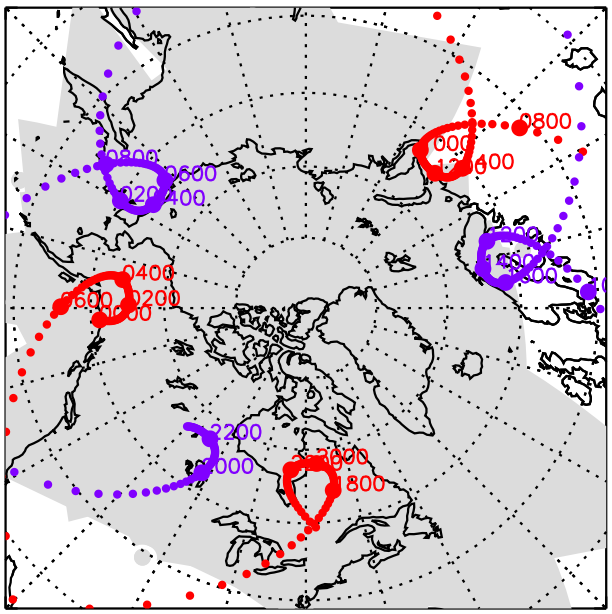


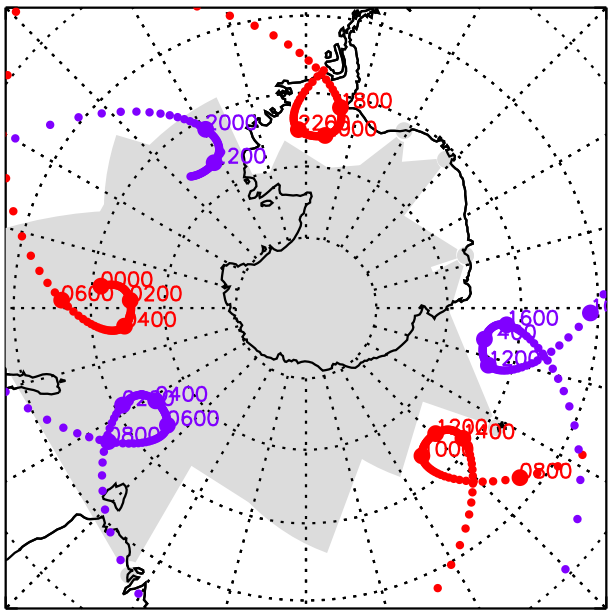

(c) 1610UT to 2105UT
cve fhe gbr inv sas sto wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

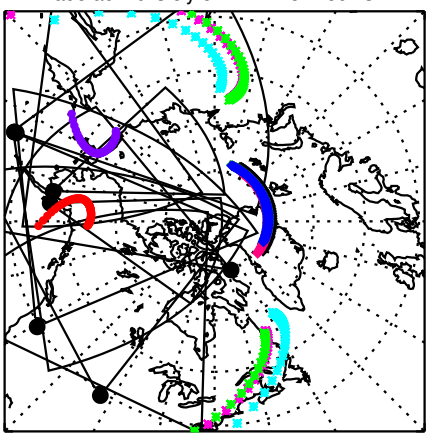
02–Sep–2015

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

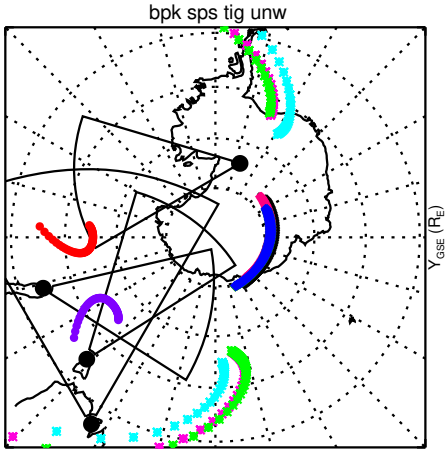


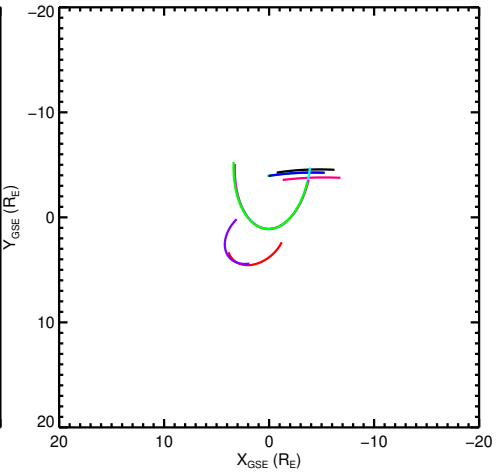


(a) 0115UT to 0605UT
ade adw bks cly cvw fhw hok kod ksr

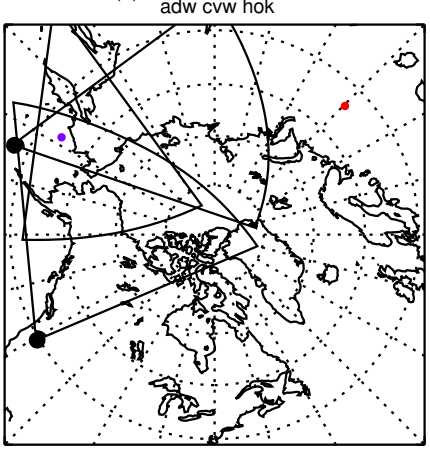


bpk sps tig unw

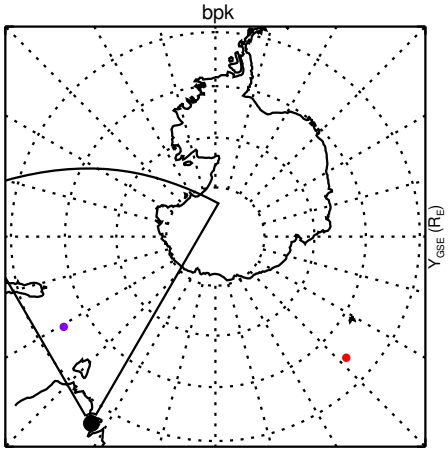


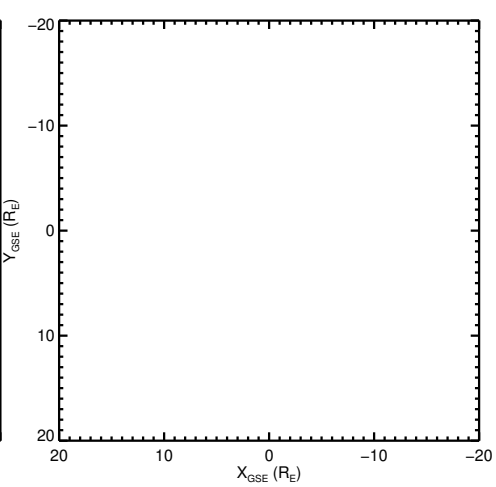


(b) 0810UT to 0810UT
adw cvw hok

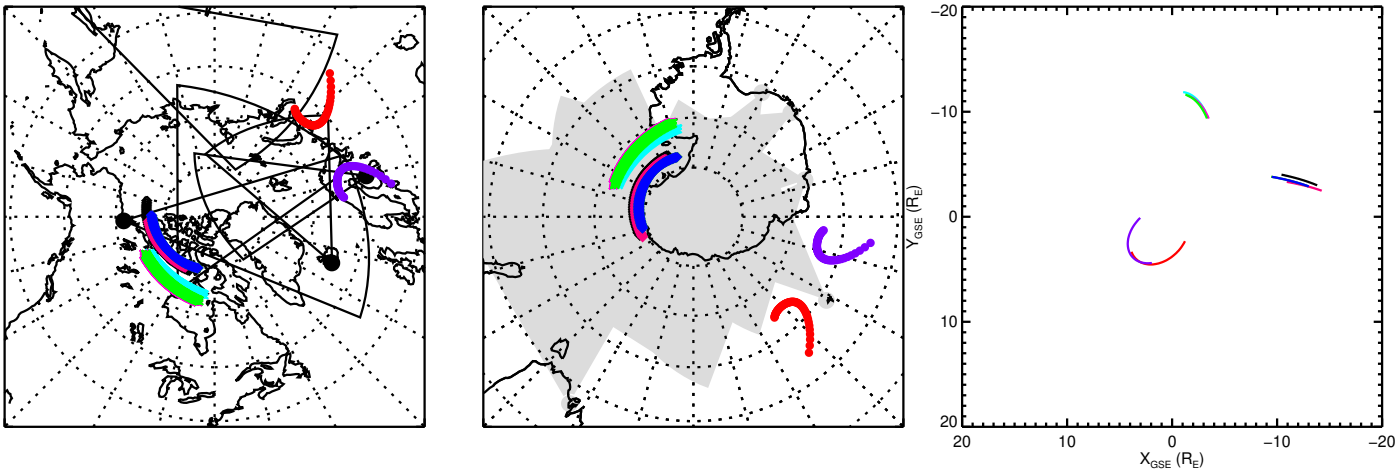


bpk

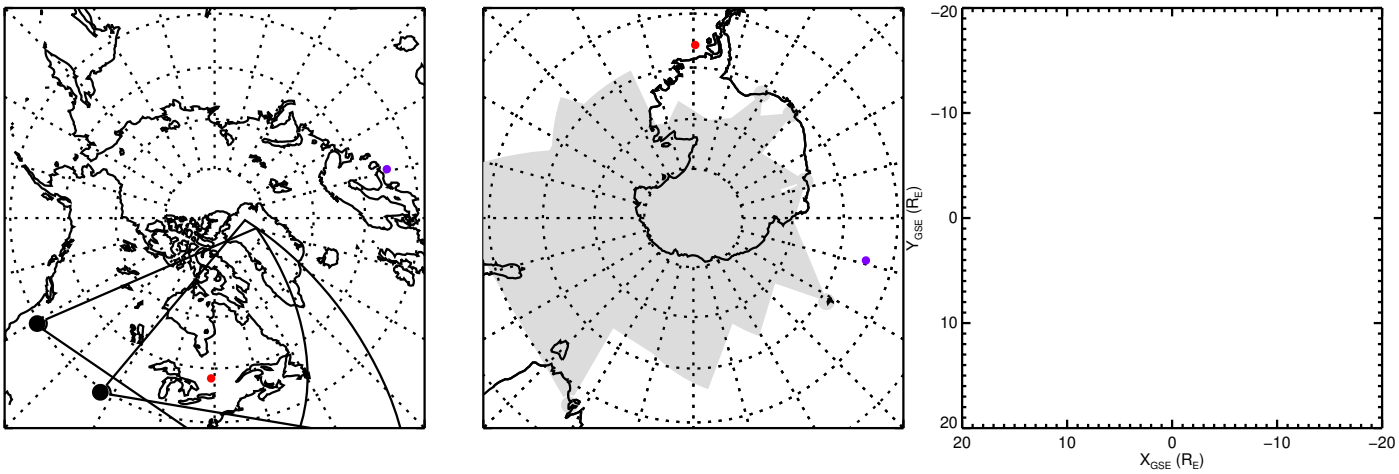




(c) 1015UT to 1505UT
han hkw inv pyk rkn

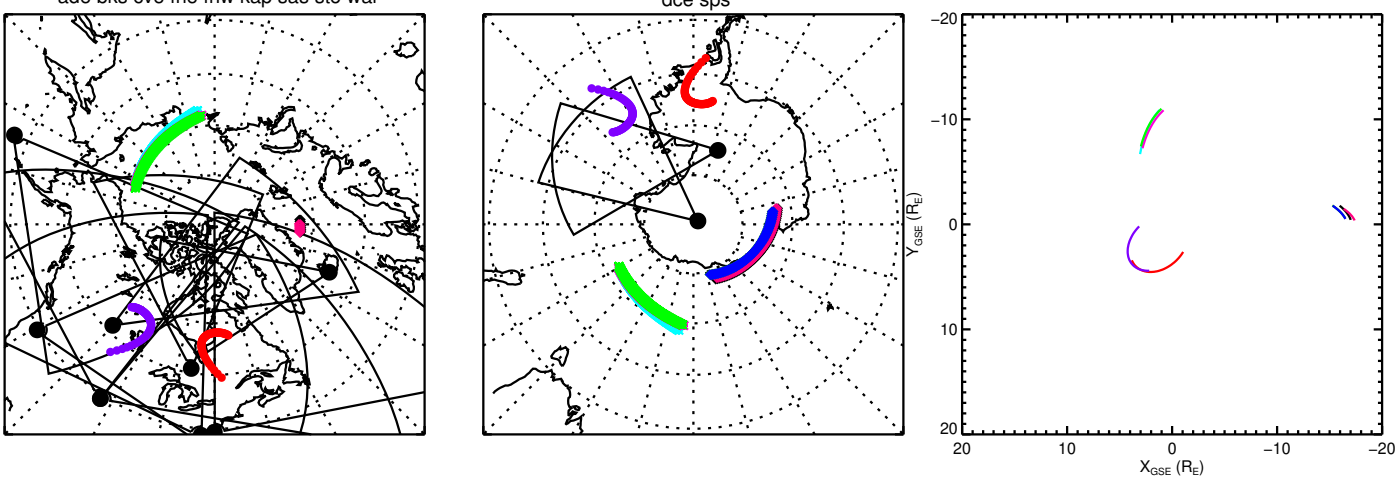


(d) 1710UT to 1710UT
cve fhe



(e) 1920UT to 2355UT
ade bks cve fhe fhw kap sas sto wal

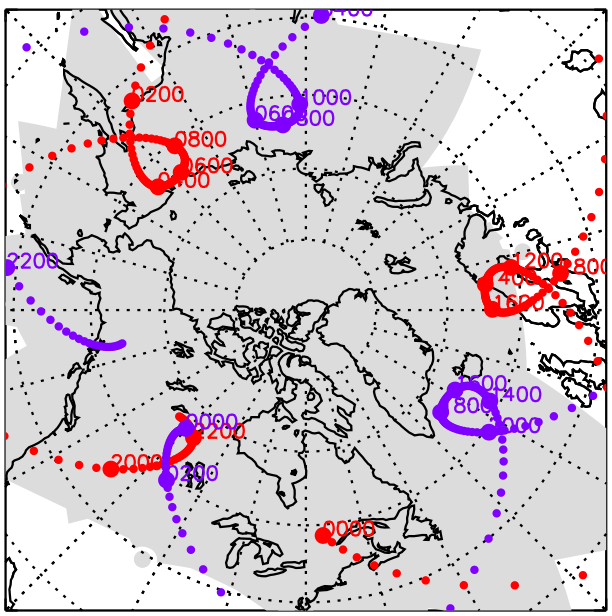
dce sps

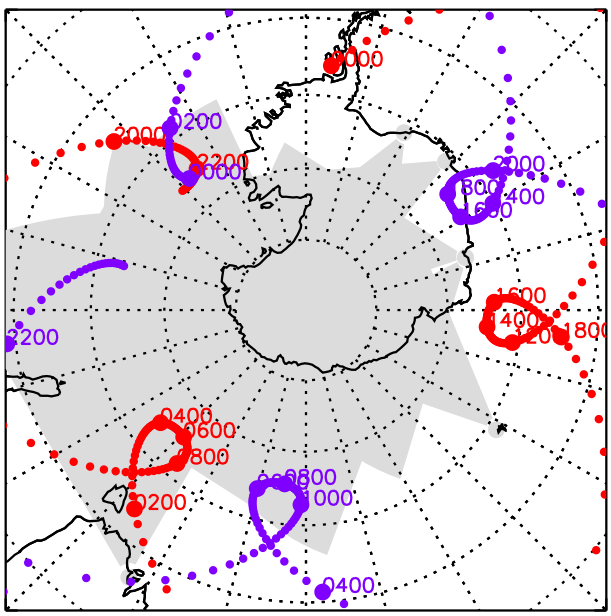


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

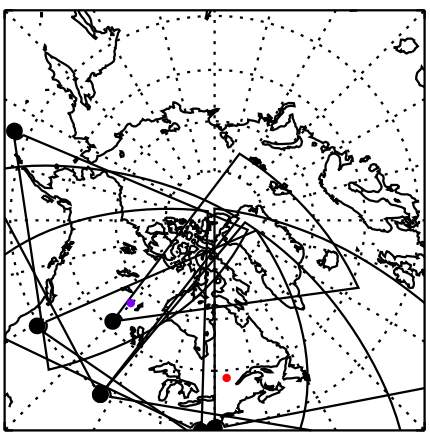
03–Sep–2015

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

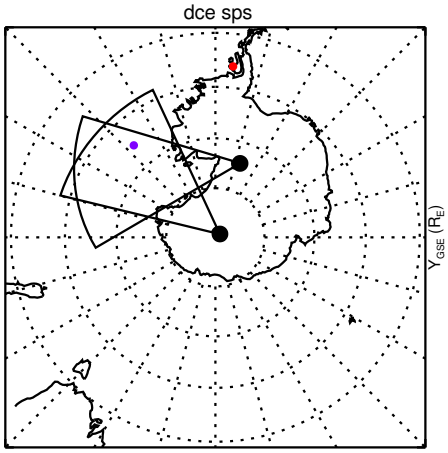


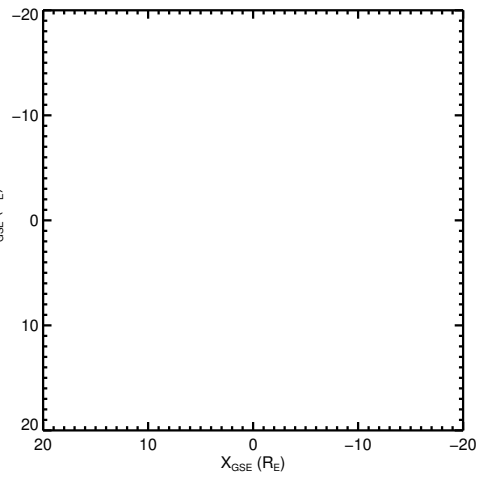


(a) 0000UT to 0000UT
ade bks cve fhe fhw sas wal

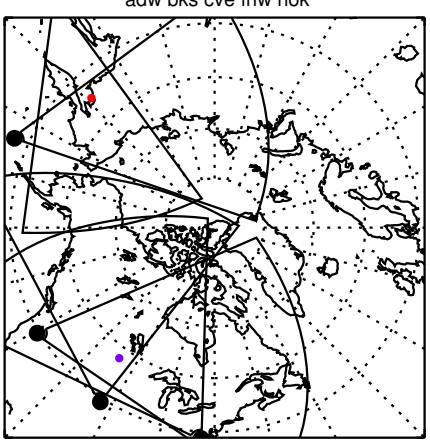


dce sps

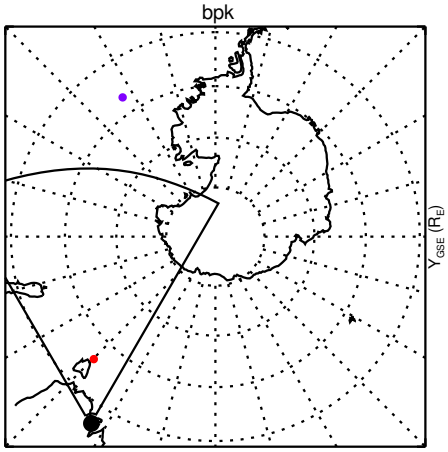


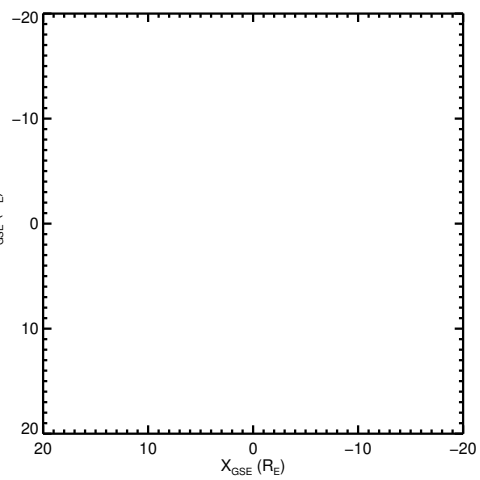


(b) 0210UT to 0210UT
adw bks cve fhw hok



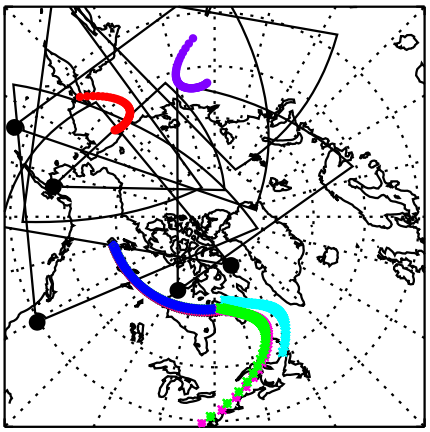
bpk

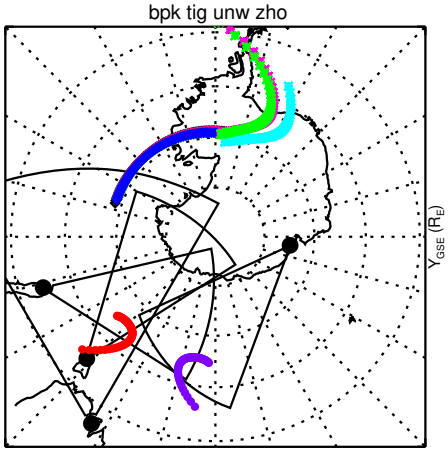


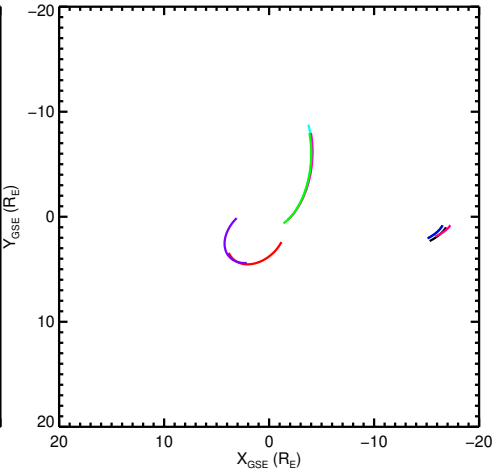


(c) 0420UT to 0900UT
adw cly cvw hkw hok ksr rkn

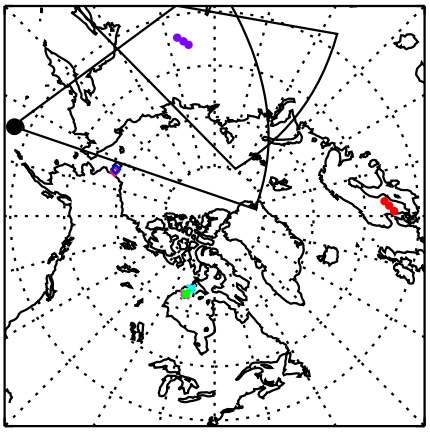
bpk tig unw zho

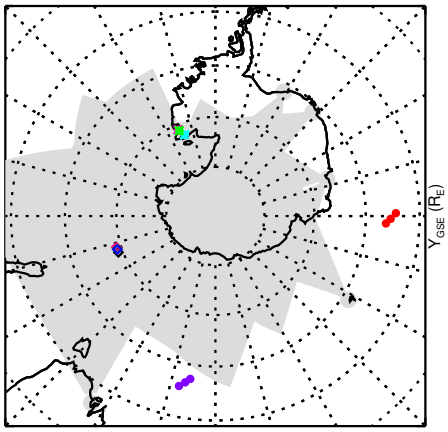


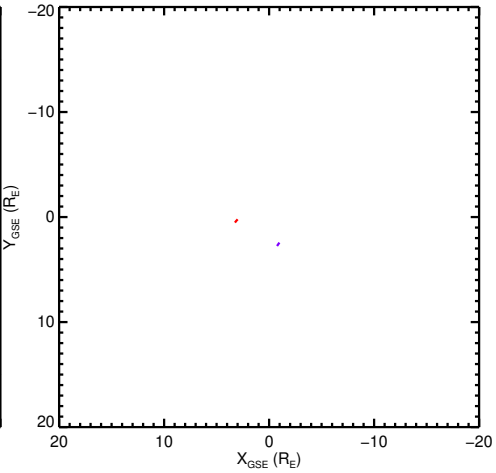




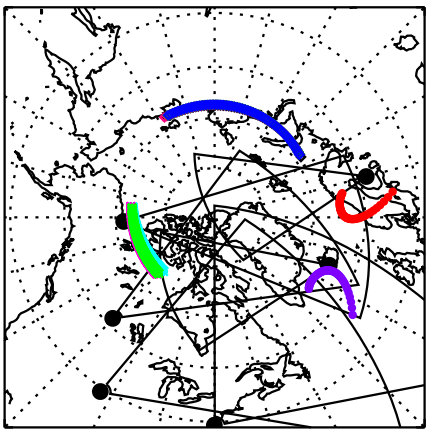
(d) 1105UT to 1115UT
adw hkw

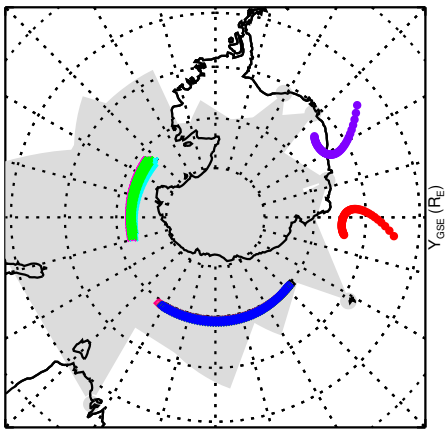


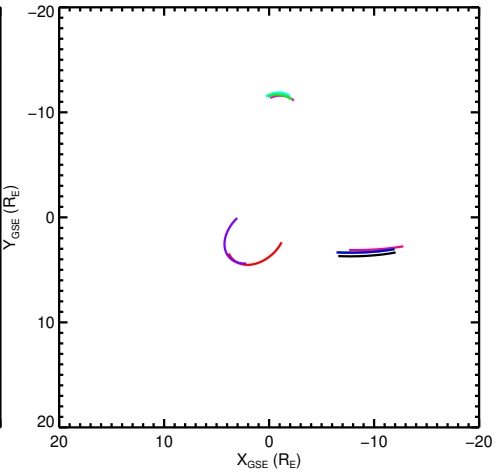




(e) 1320UT to 1800UT
fhe han inv sas sto wal

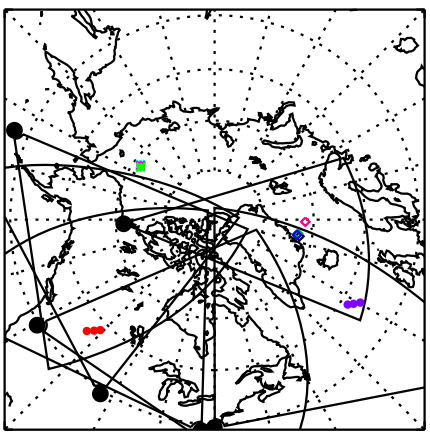


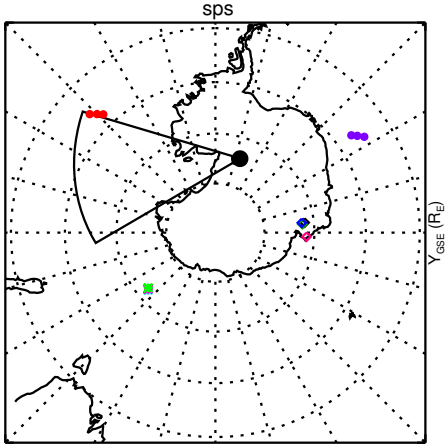


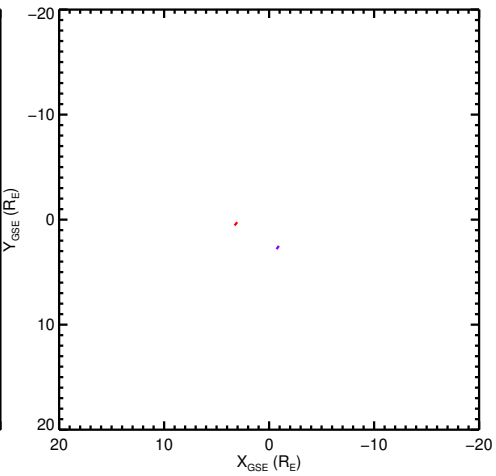


(f) 2005UT to 2015UT
ade bks cve fhw inv wal

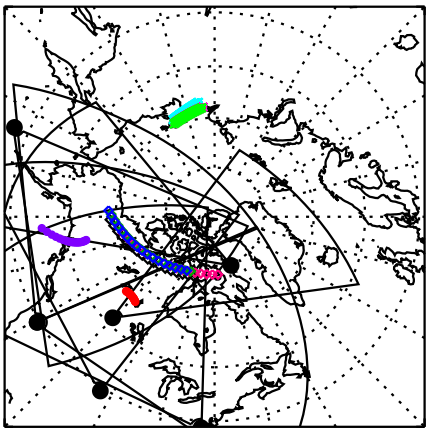
sps



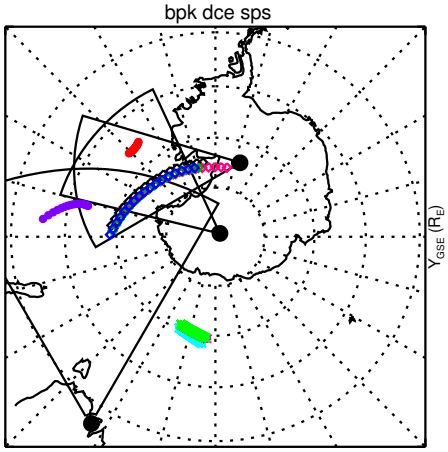


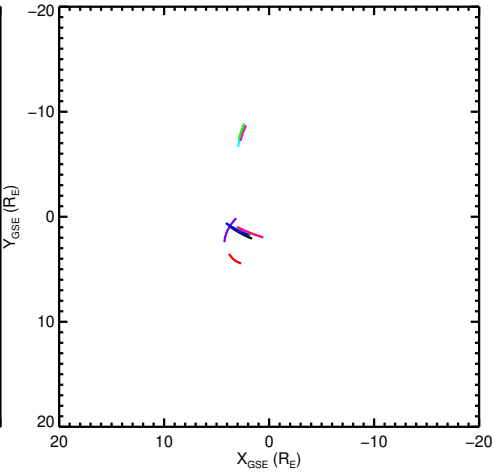


(g) 2225UT to 2355UT
ade bks cly cve cvw fhw sas



bpk dce sps

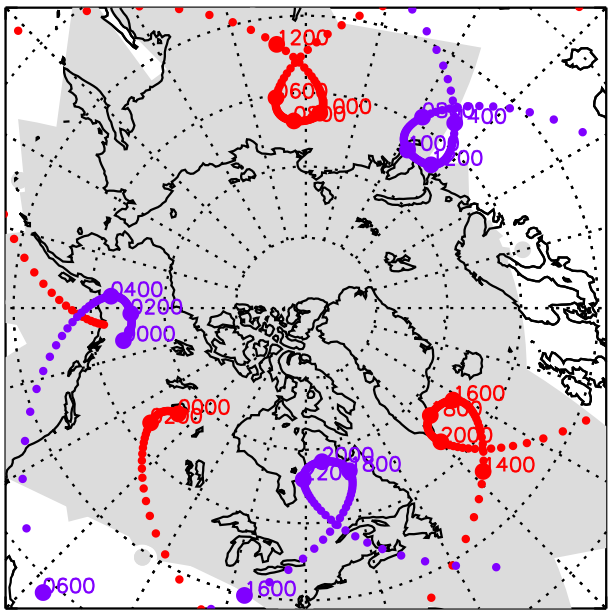


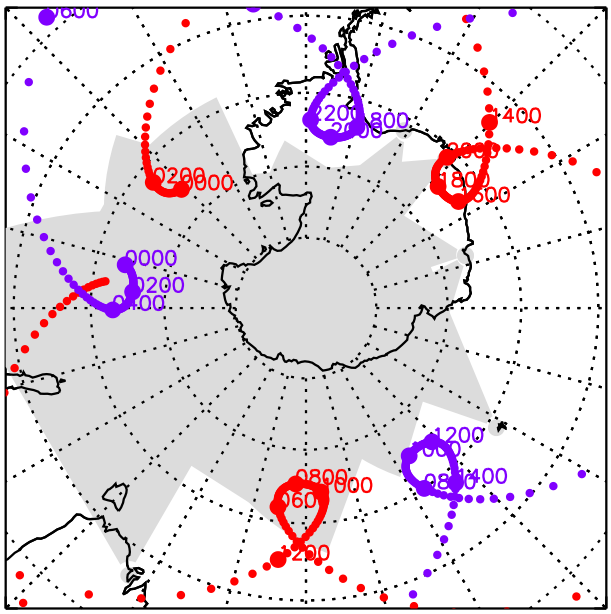


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

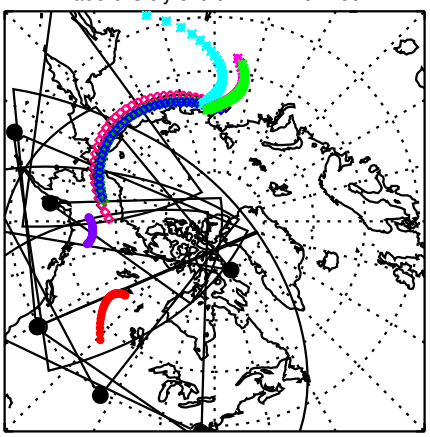
04–Sep–2015

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

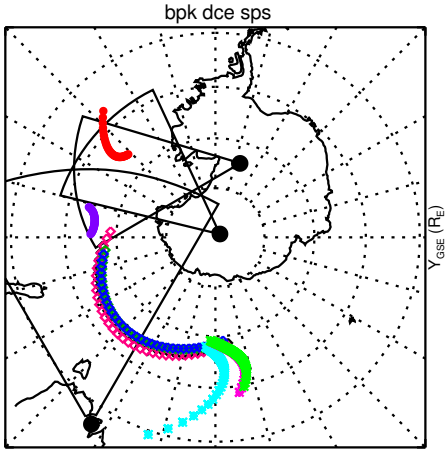


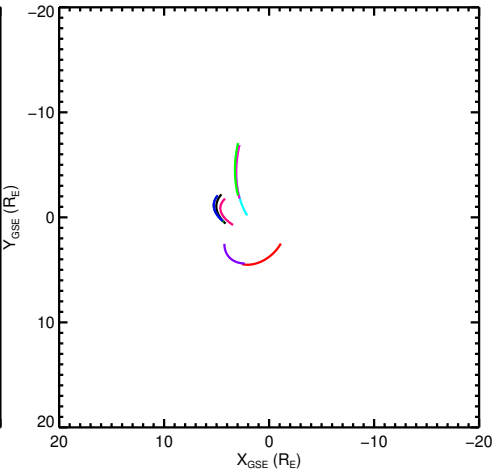


(a) 0000UT to 0255UT
ade bks cly cve cvw fhw hok kod

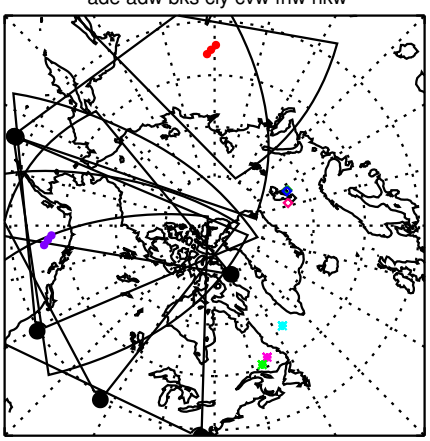


bpk dce sps

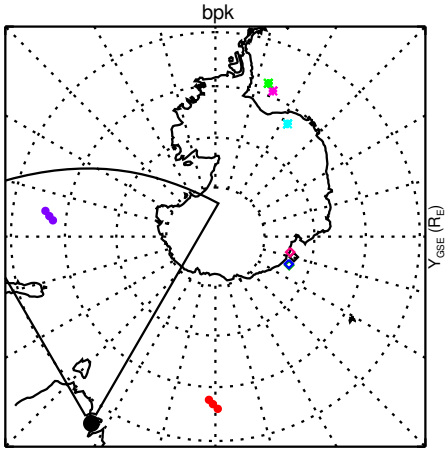


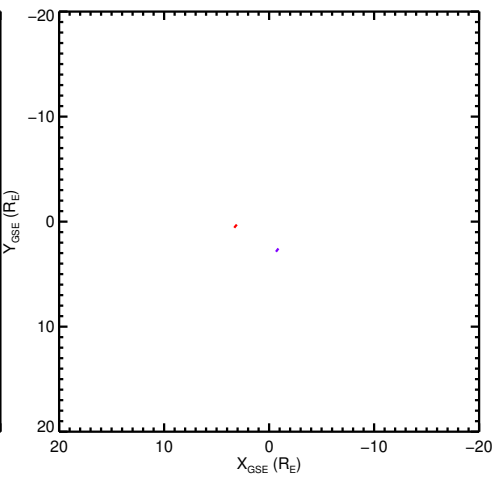


(b) 0505UT to 0515UT
ade adw bks cly cvw fhw hkw

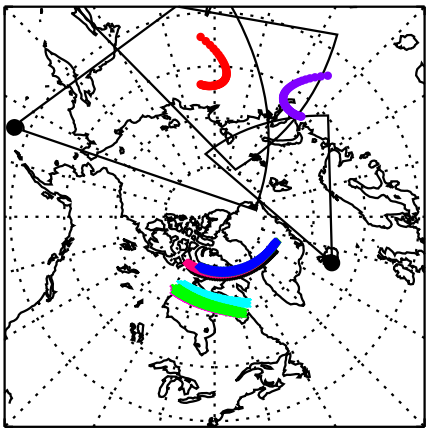


bpk

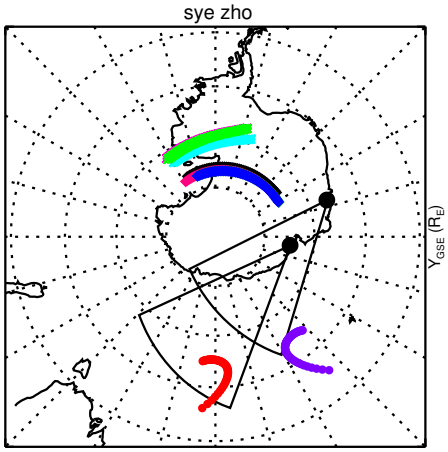


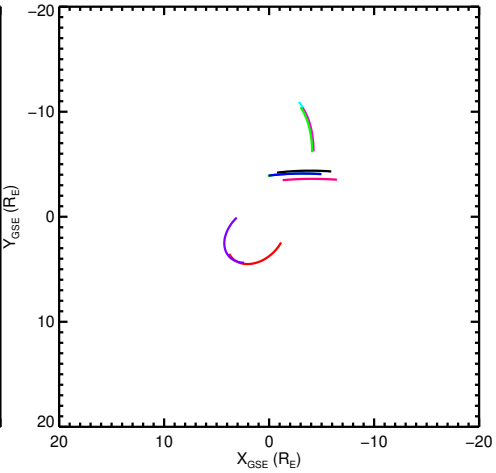


(c) 0725UT to 1155UT
adw hkw pyk

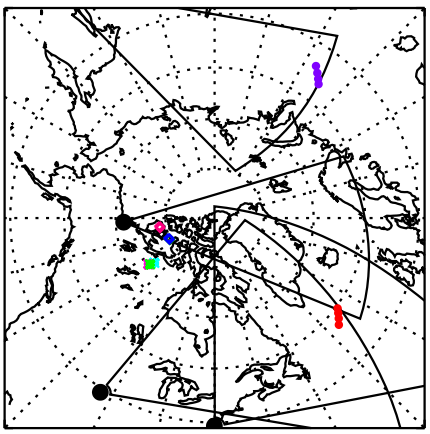


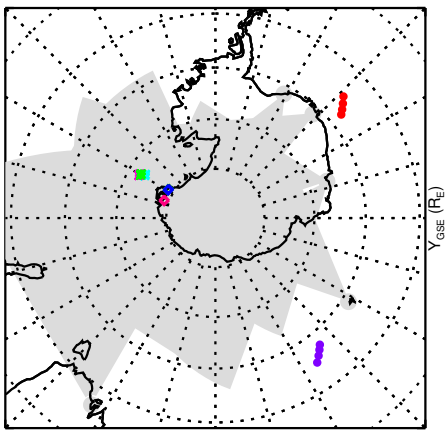
sye zho

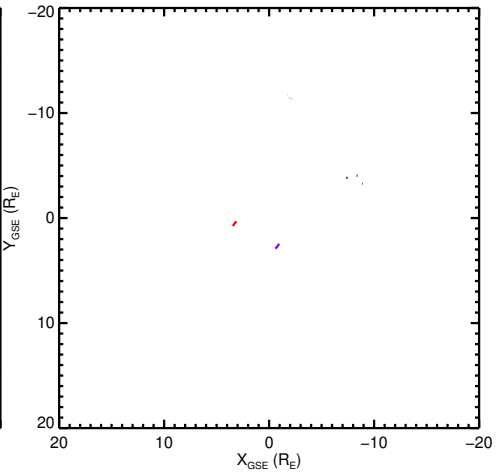




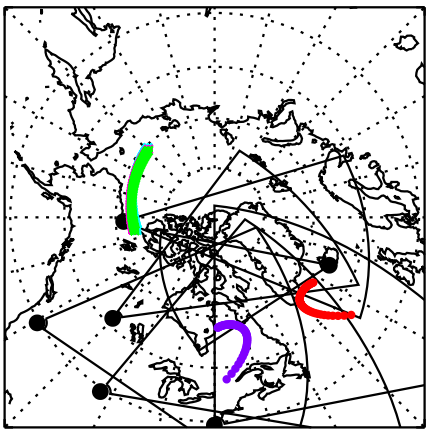
(d) 1405UT to 1420UT
fhe hkw inv wal



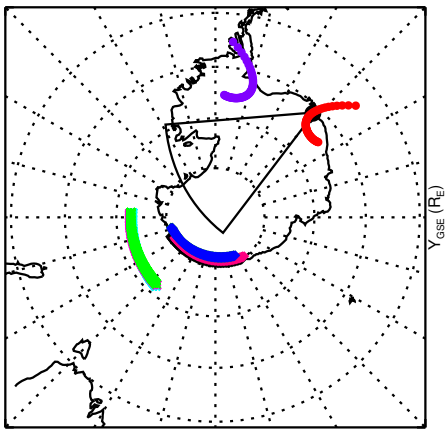


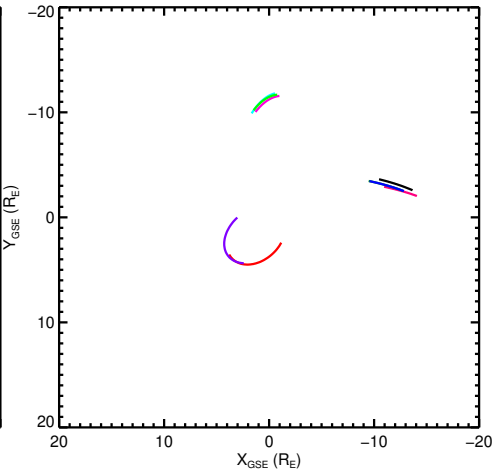


(e) 1625UT to 2055UT
cve fhe inv sas sto wal

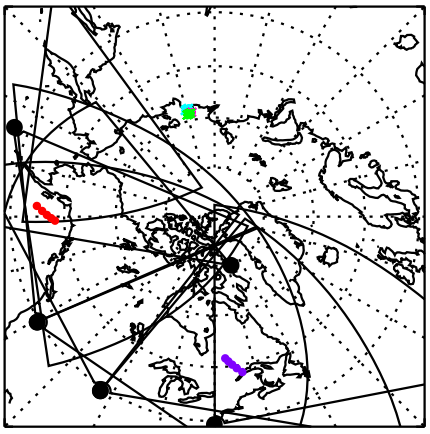


san

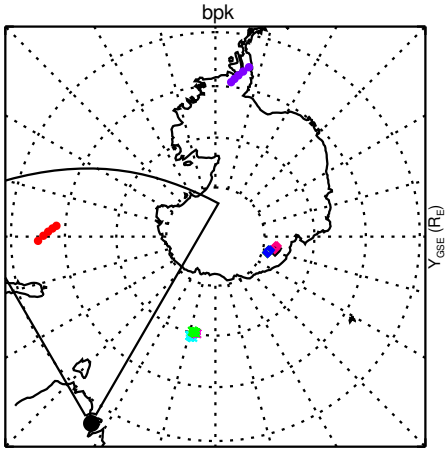


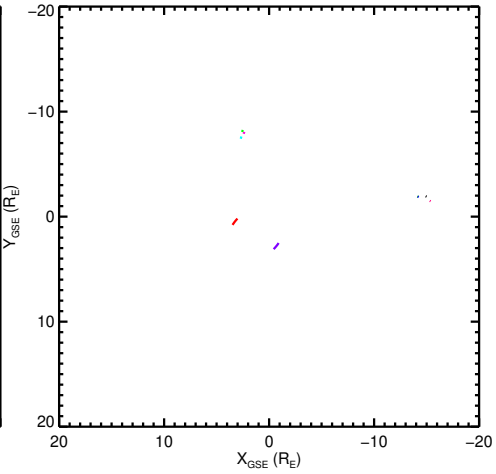


(f) 2300UT to 2320UT
ade cly cve cvw fhe fhw hok wal



bpk

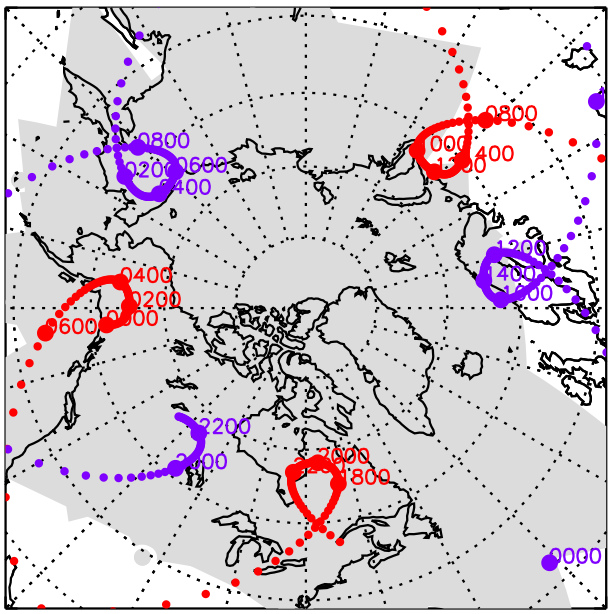


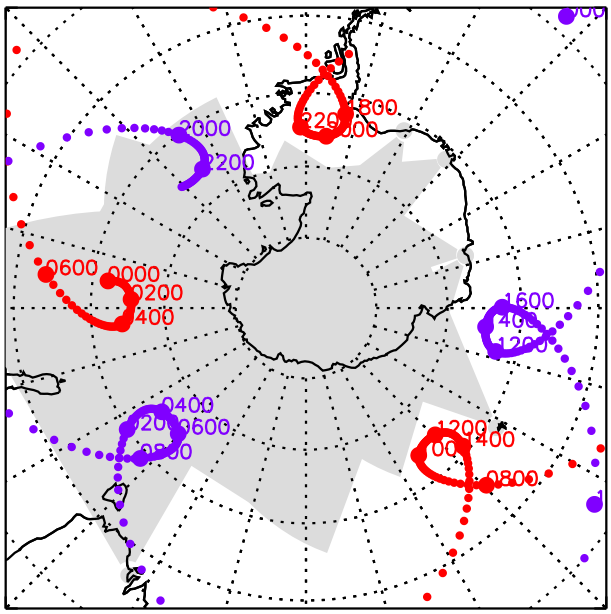


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

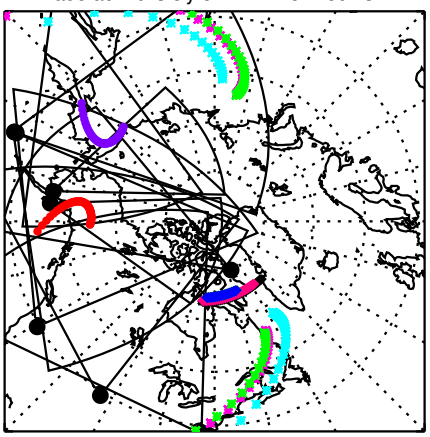
05–Sep–2015

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

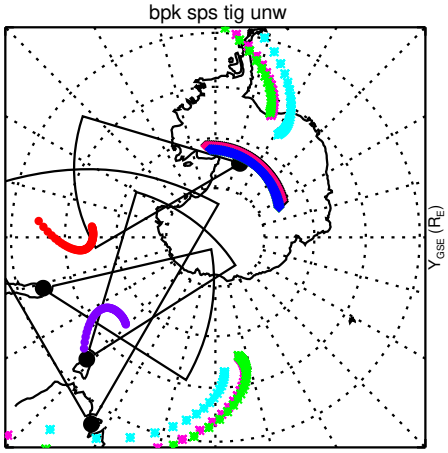


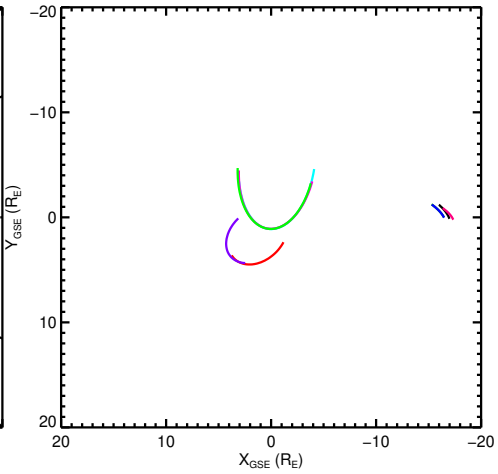


(a) 0130UT to 0555UT
ade adw bks cly cvw fhw hok kod ksr

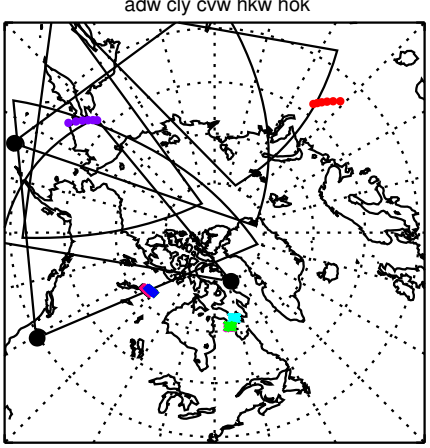


bpk sps tig unw

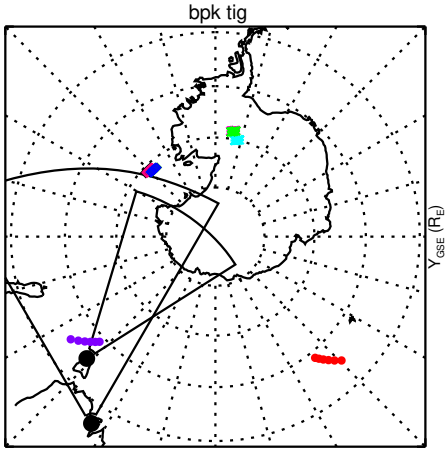


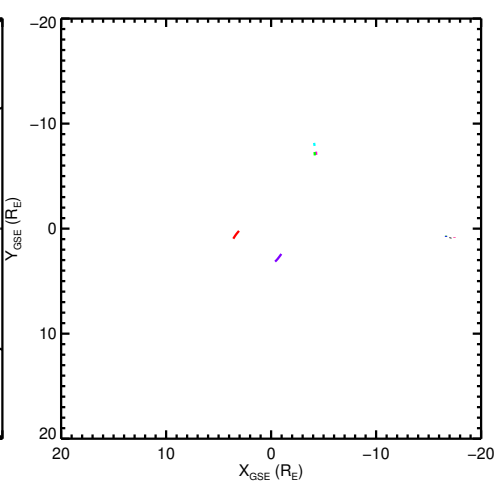


(b) 0800UT to 0825UT
adw cly cvw hkw hok

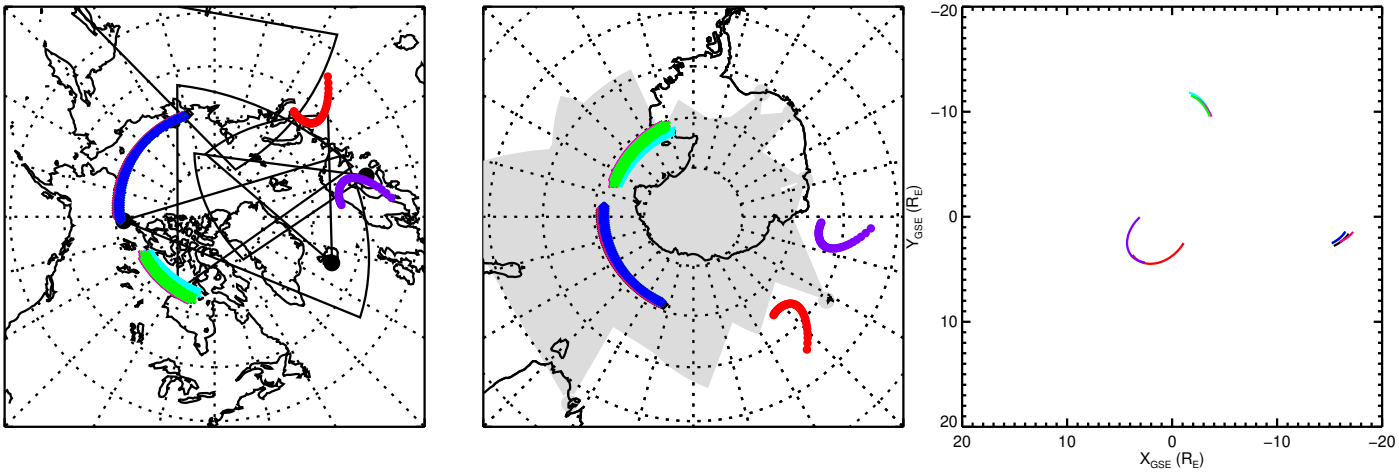


bpk tig

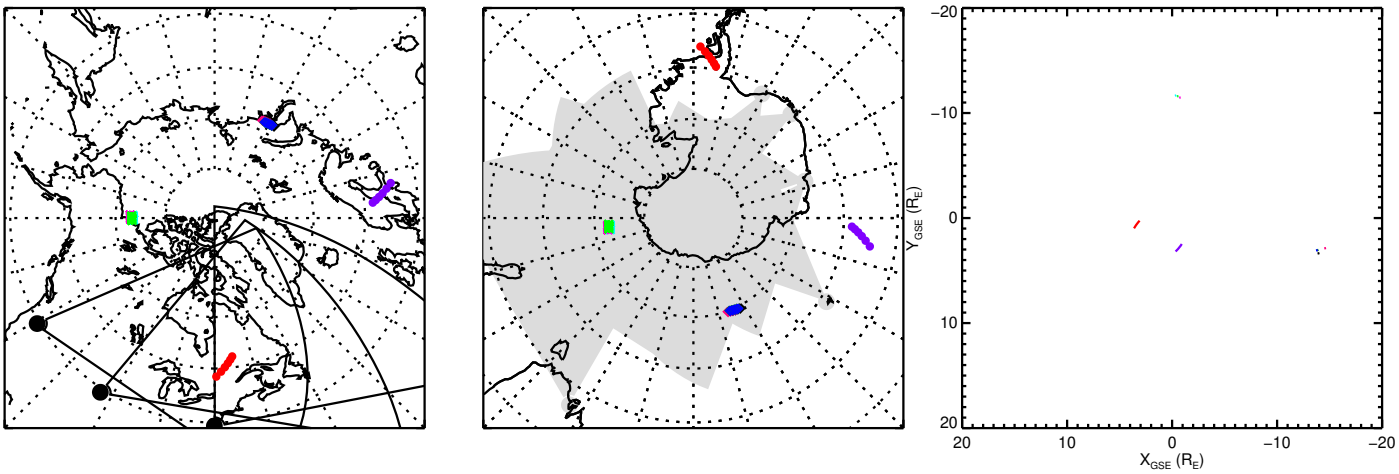




(c) 1030UT to 1450UT
han hkw inv pyk rkn

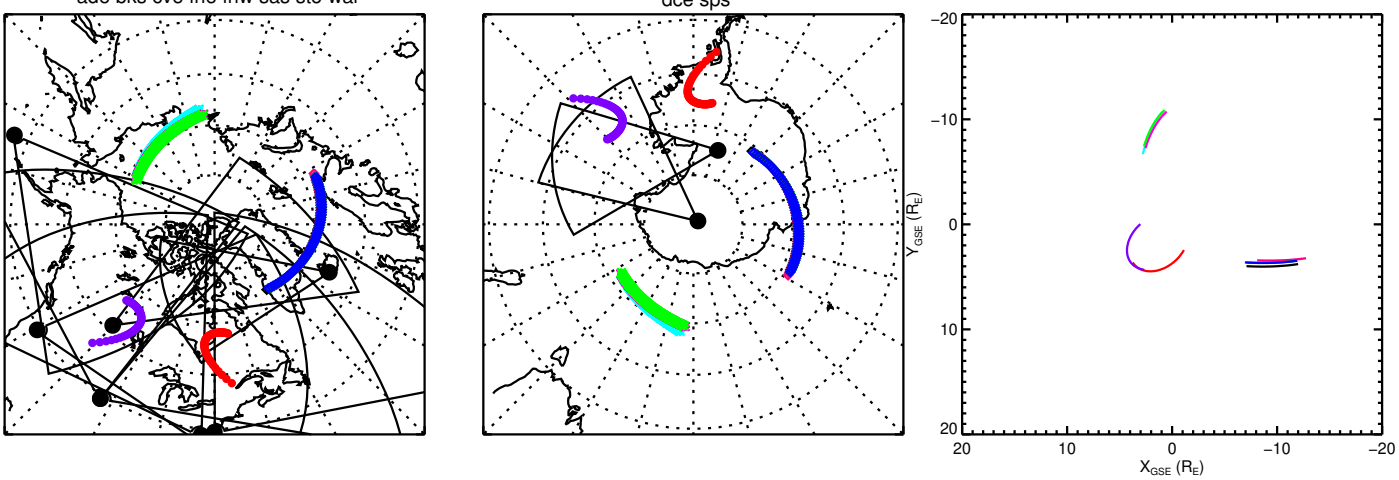


(d) 1700UT to 1725UT
cve fhe wal



(e) 1930UT to 2350UT
ade bks cve fhe fhw sas sto wal

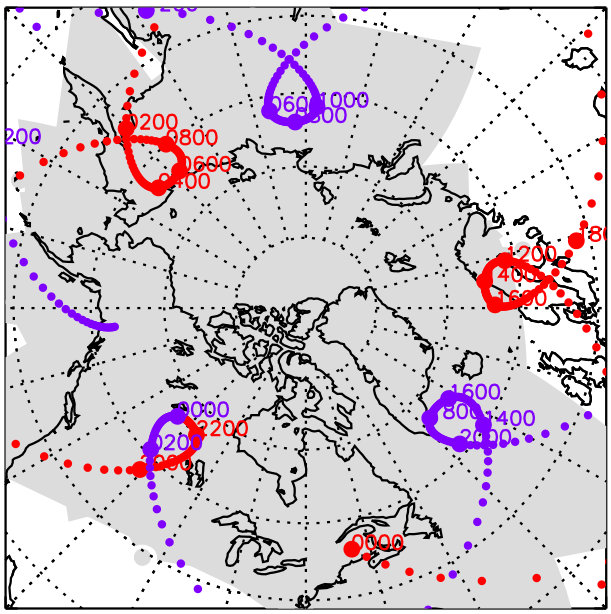
dce sps

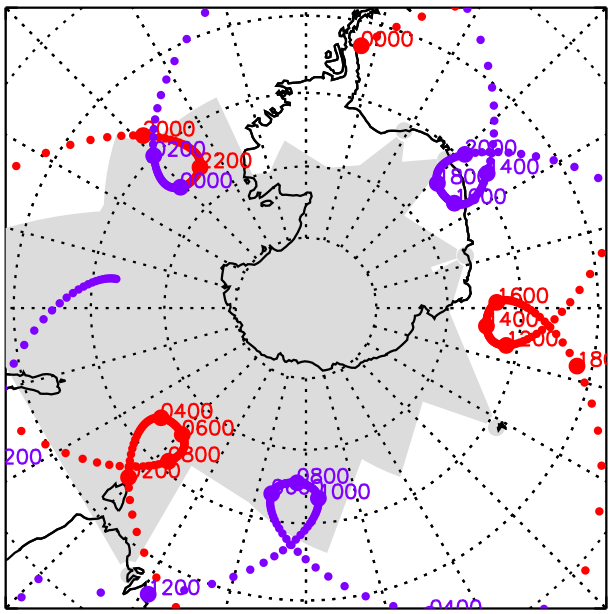


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

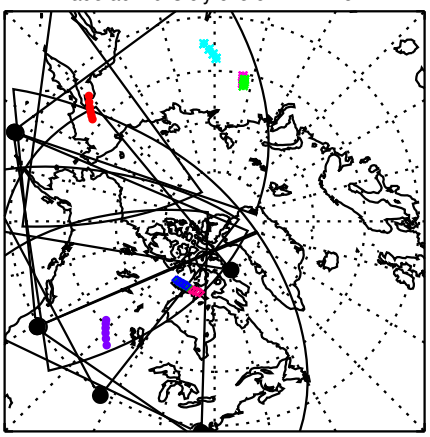
06–Sep–2015

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

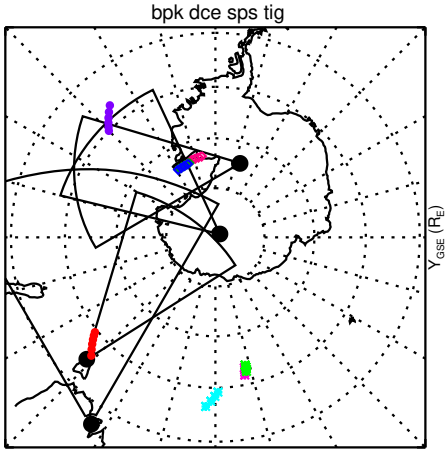


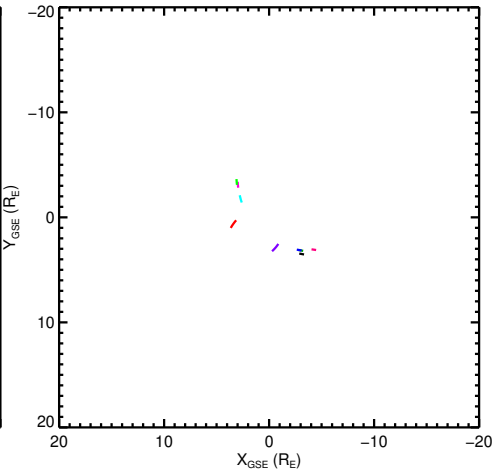


(a) 0200UT to 0225UT
ade adw bks cly cve cvw fhw hok

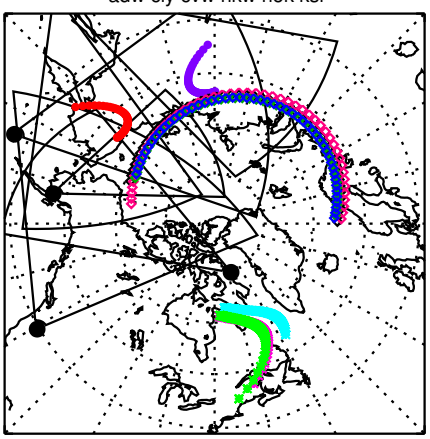


bpk dce sps tig

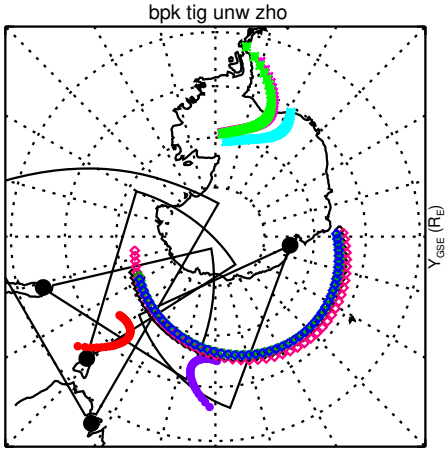


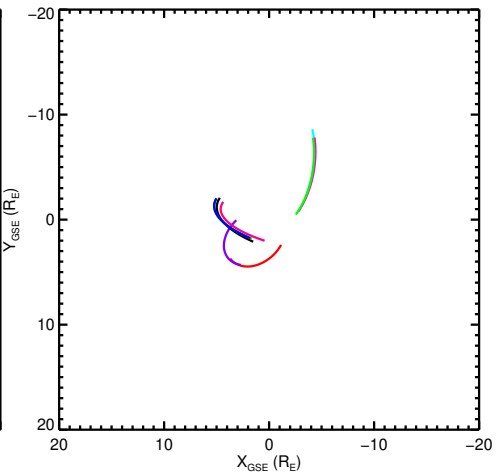


(b) 0435UT to 0850UT
adw cly cvw hkw hok ksr

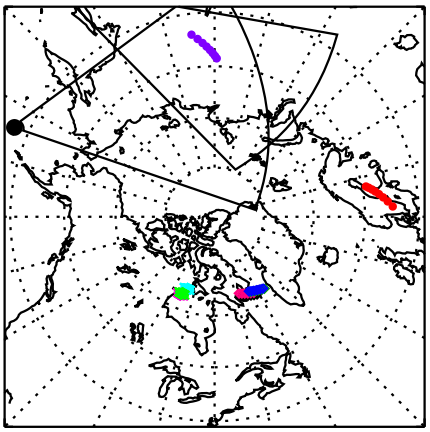


bpk tig unw zho

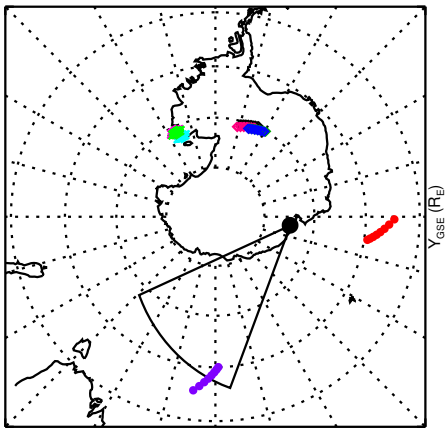


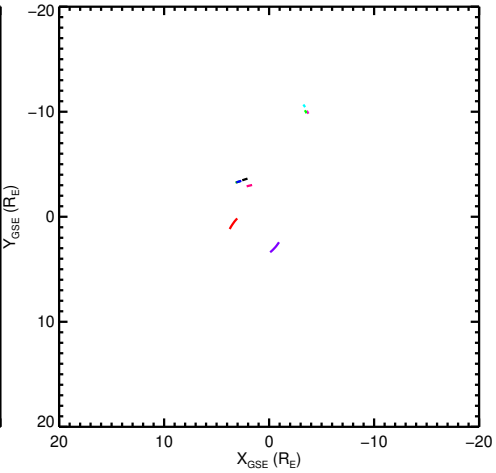


(c) 1055UT to 1130UT
adw hkw

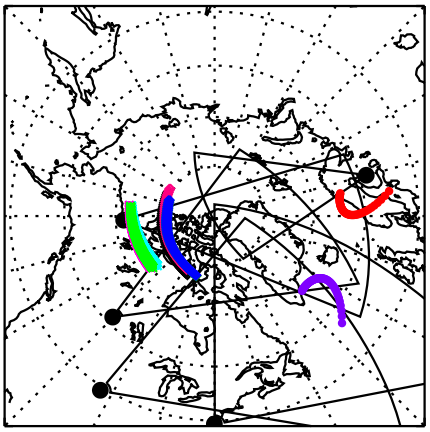


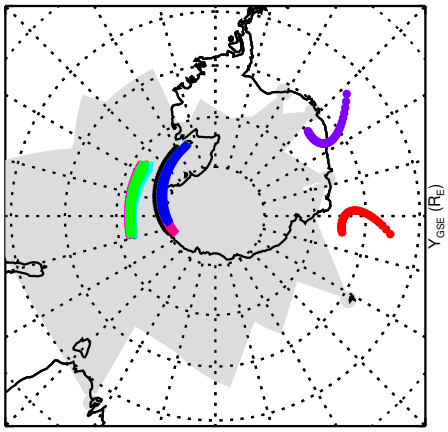
zho

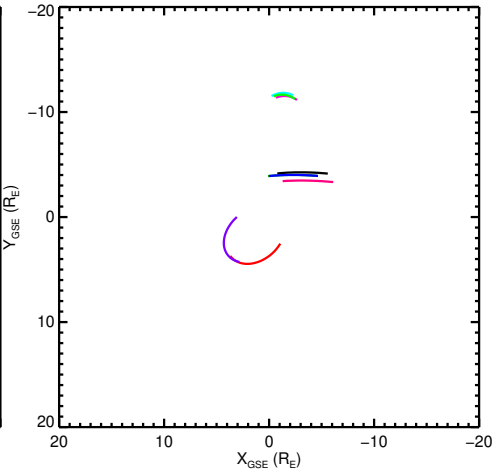




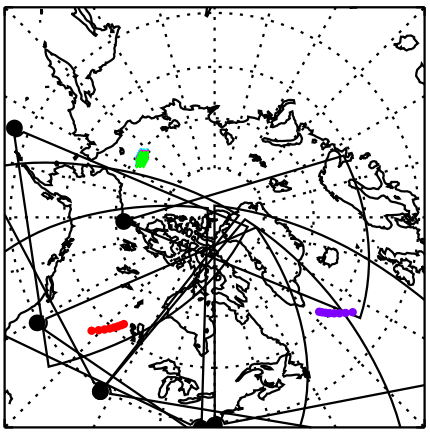
(d) 1335UT to 1745UT
fhe han inv sas wal



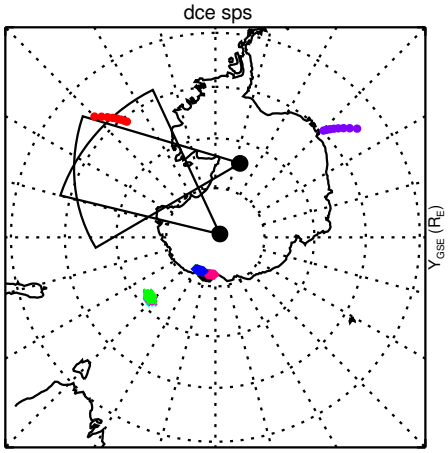


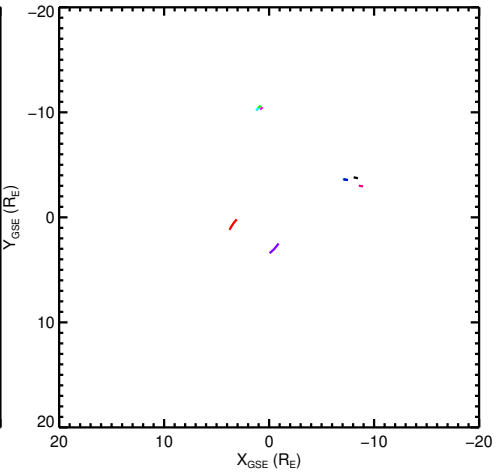


(e) 1955UT to 2030UT
ade bks cve fhe fhw inv wal

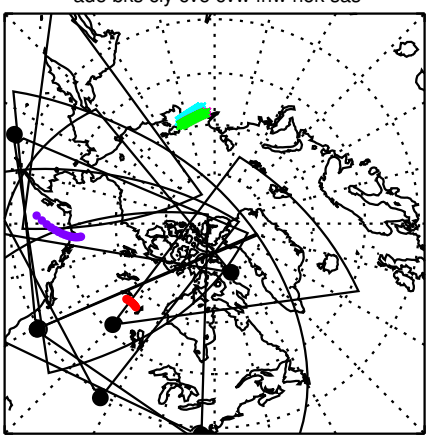


dce sps

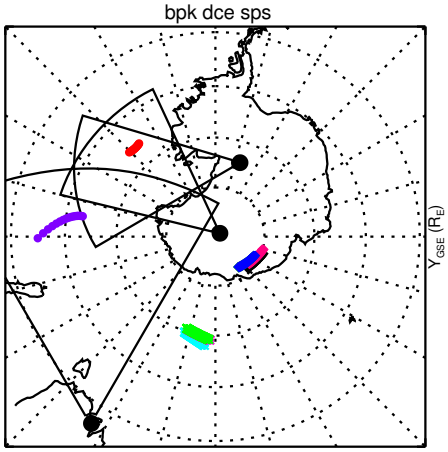


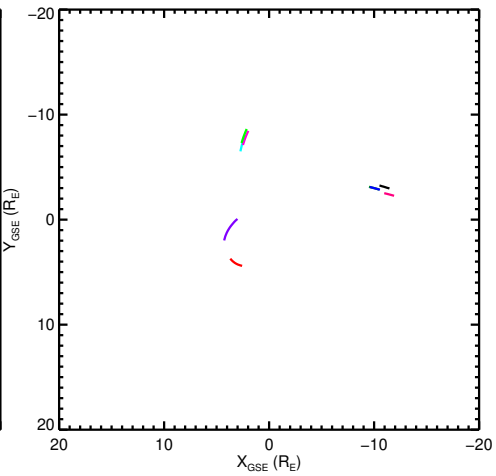


(f) 2235UT to 2355UT
ade bks cly cve cvw fhw hok sas



bpk dce sps

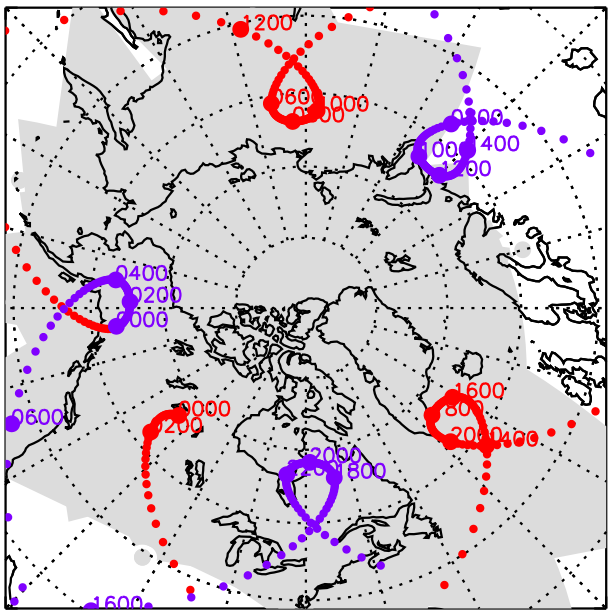


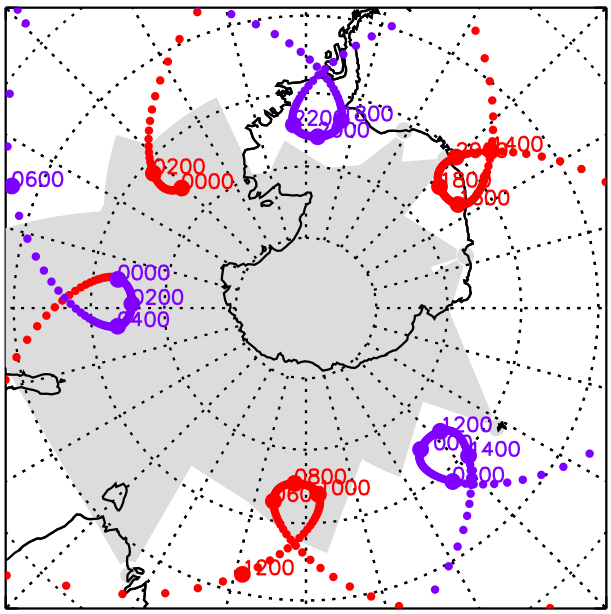


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

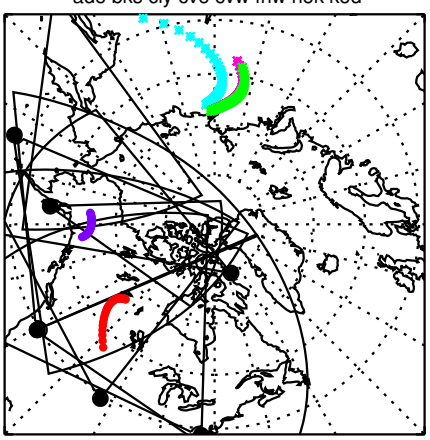
07–Sep–2015

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

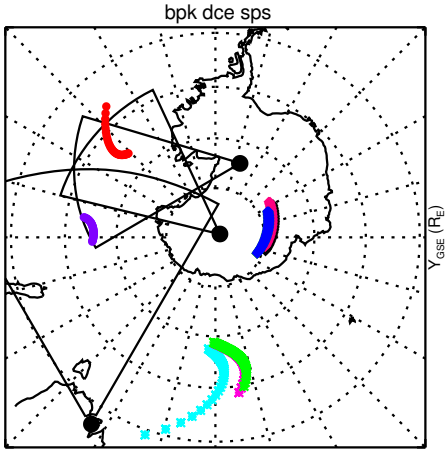


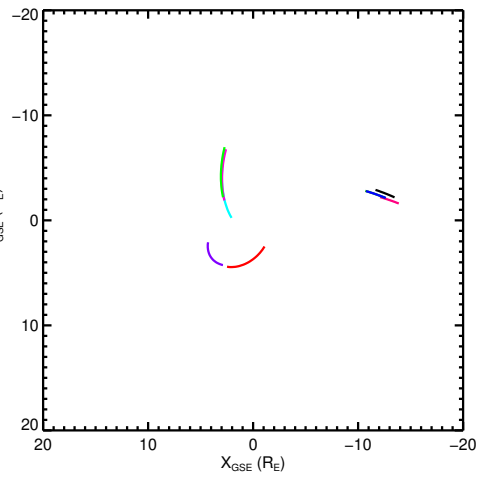


(a) 0000UT to 0245UT
ade bks cly cve cvw fhw hok kod

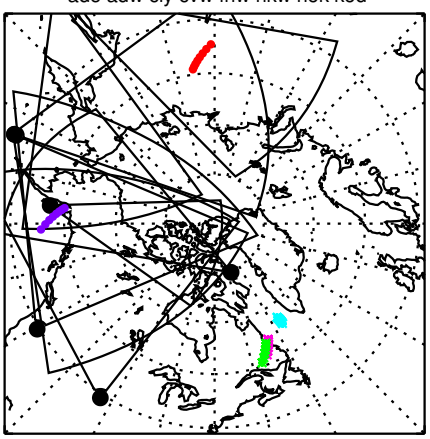


bpk dce sps

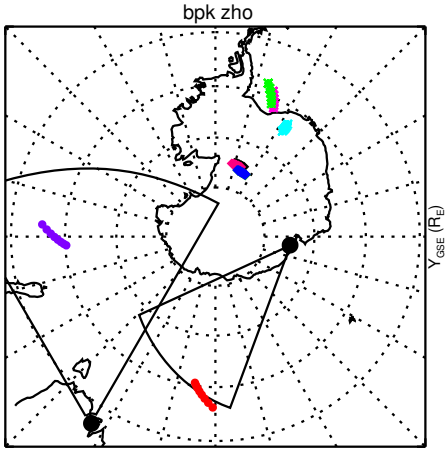


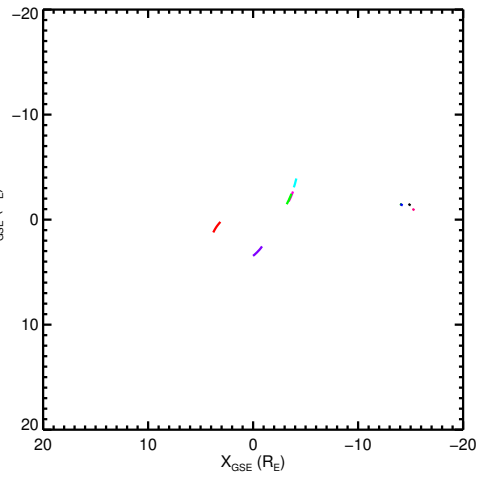


(b) 0455UT to 0530UT
ade adw cly cvw fhw hkw hok kod

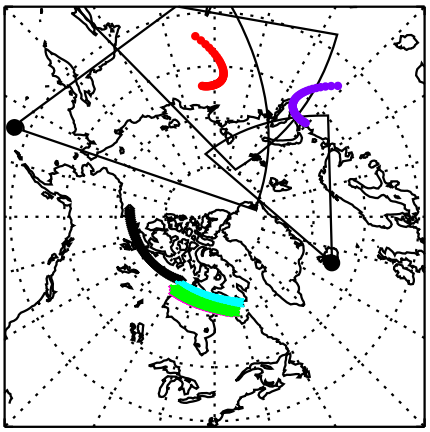


bpk zho

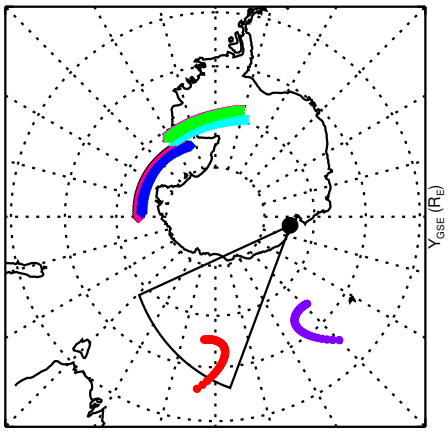


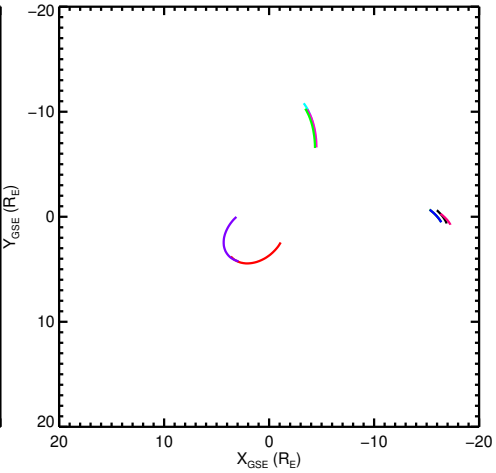


(c) 0740UT to 1145UT
adw hkw pyk

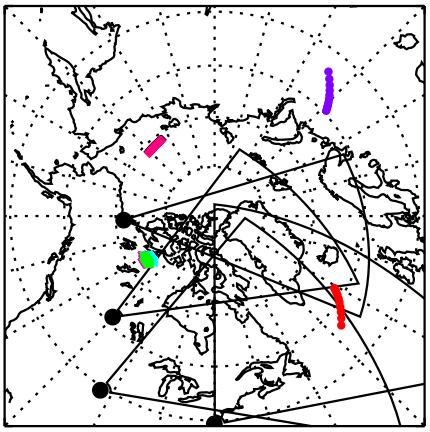


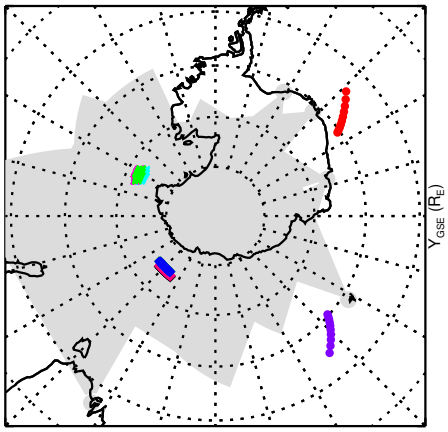
zho

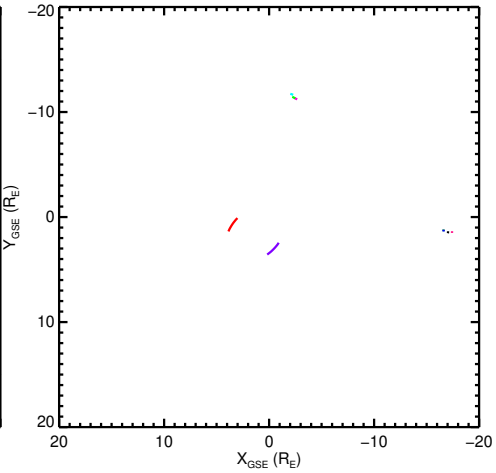




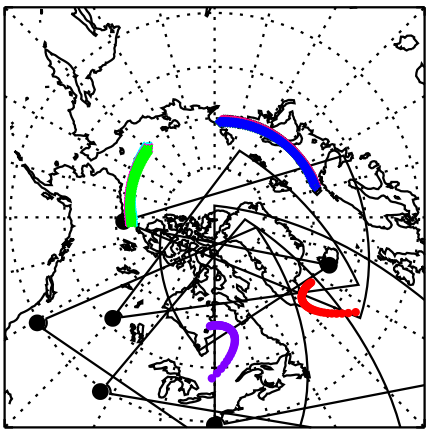
(d) 1350UT to 1435UT
fhe inv sas wal



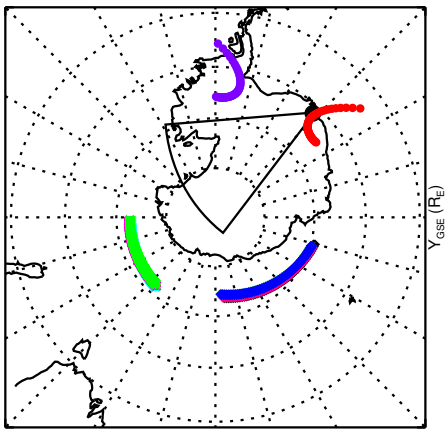


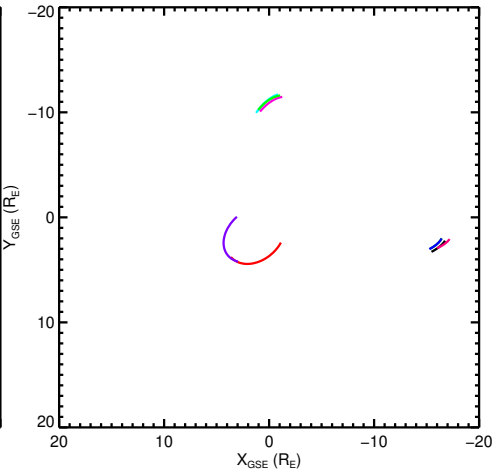


(e) 1640UT to 2045UT
cve fhe inv sas sto wal

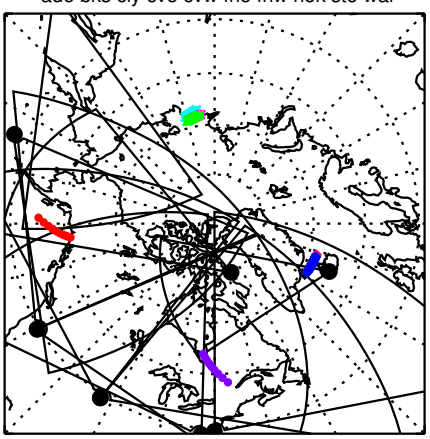


san

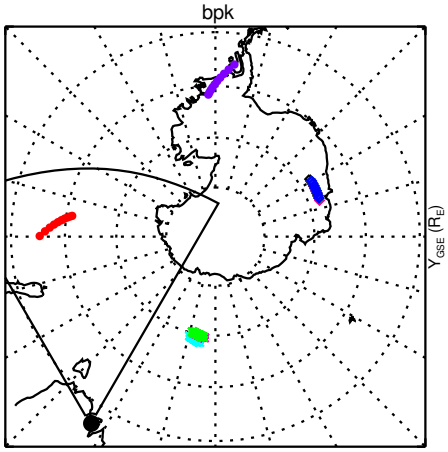


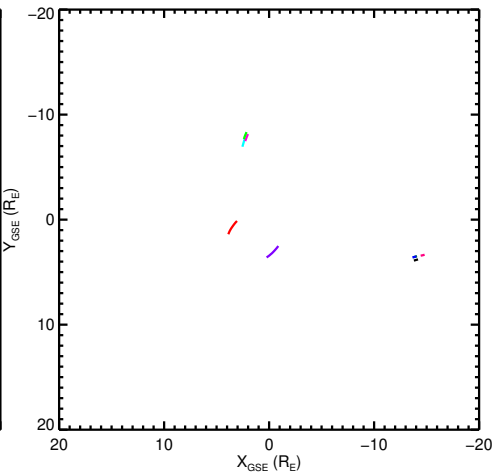


(f) 2250UT to 2335UT
ade bks cly cve cvw fhe fhw hok sto wal



bpk

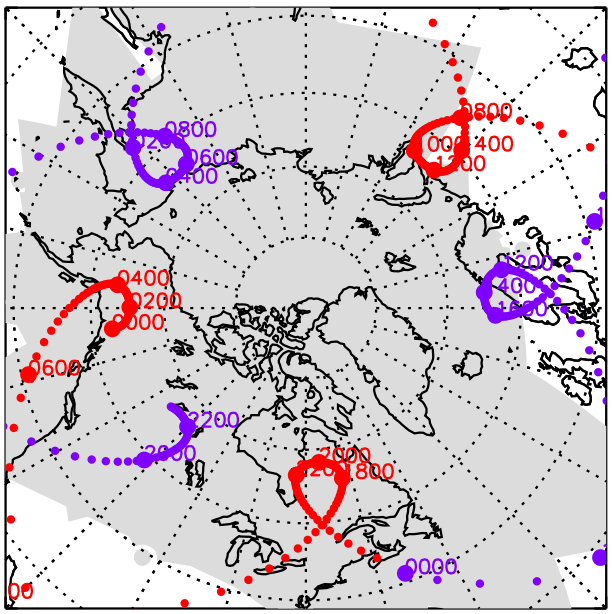


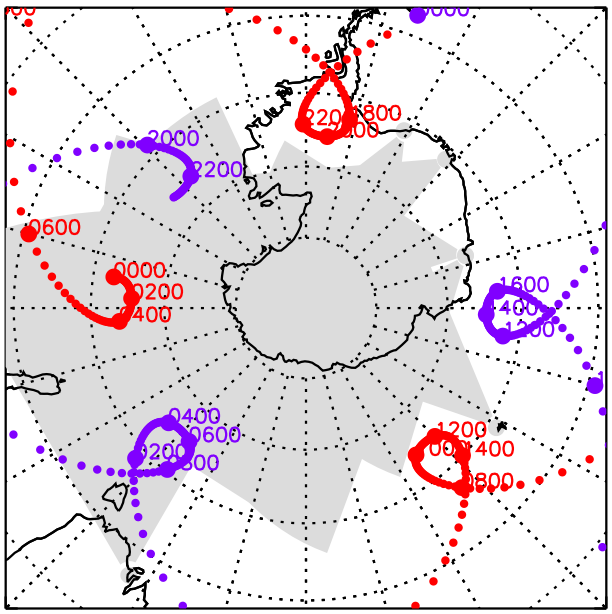


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

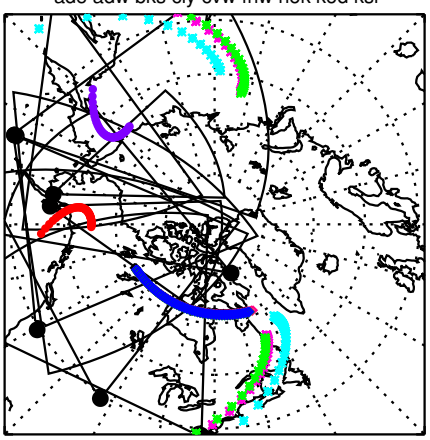
08–Sep–2015

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

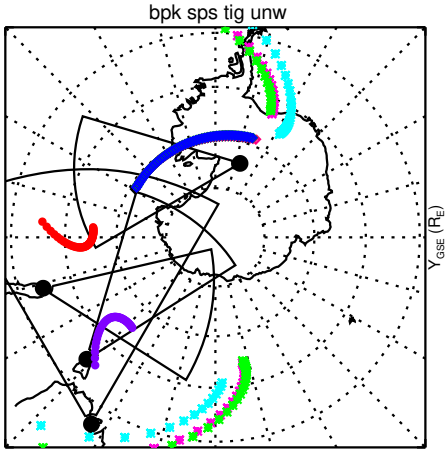


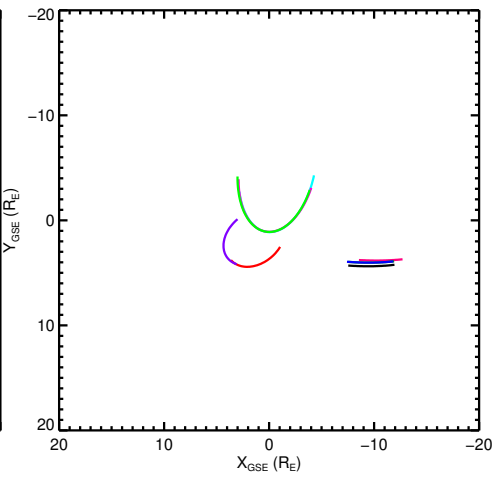


(a) 0140UT to 0540UT
ade adw bks cly cvw fhw hok kod ksr

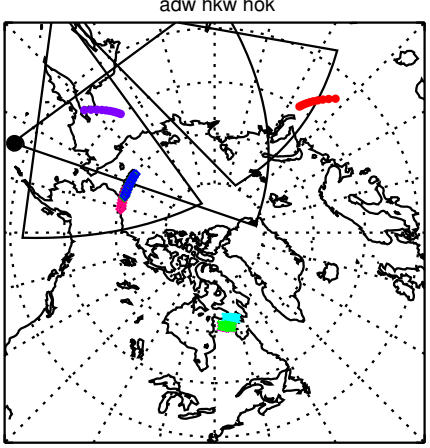


bpk sps tig unw

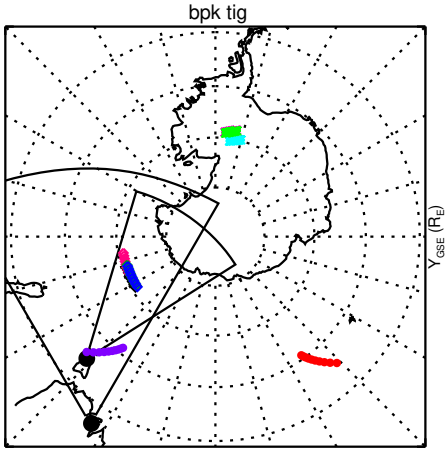


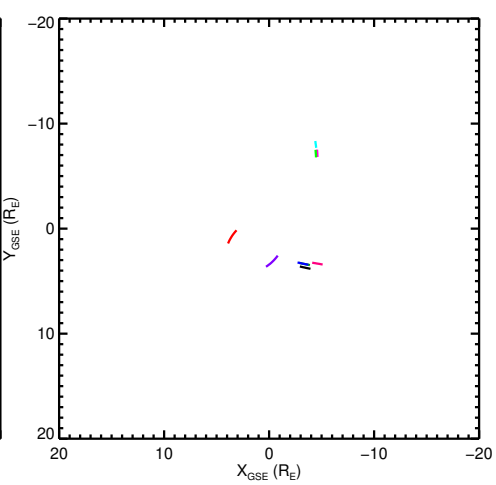


(b) 0750UT to 0835UT
adw hkw hok

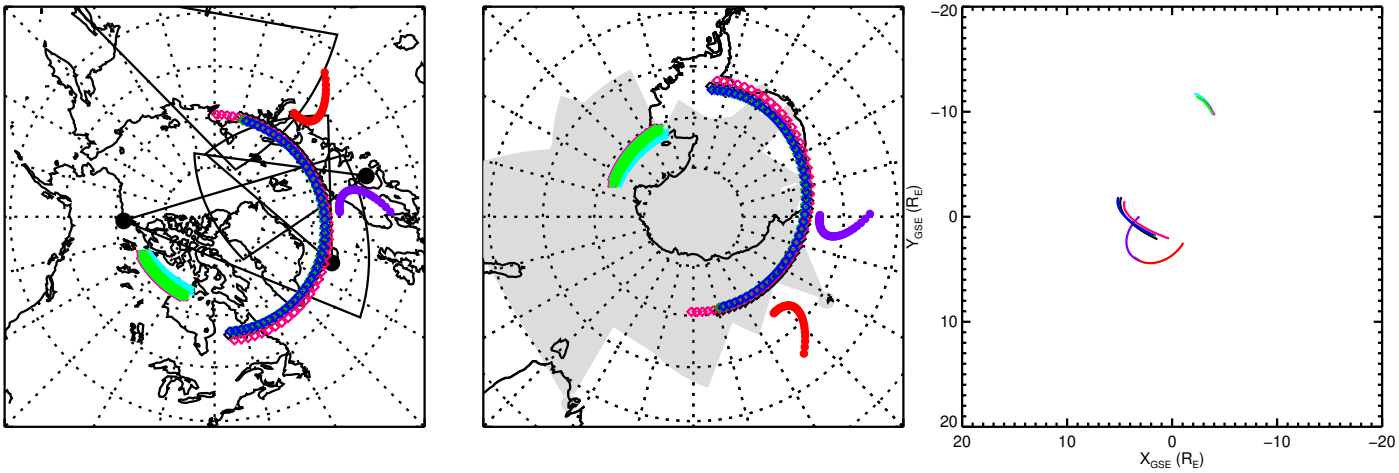


bpk tig

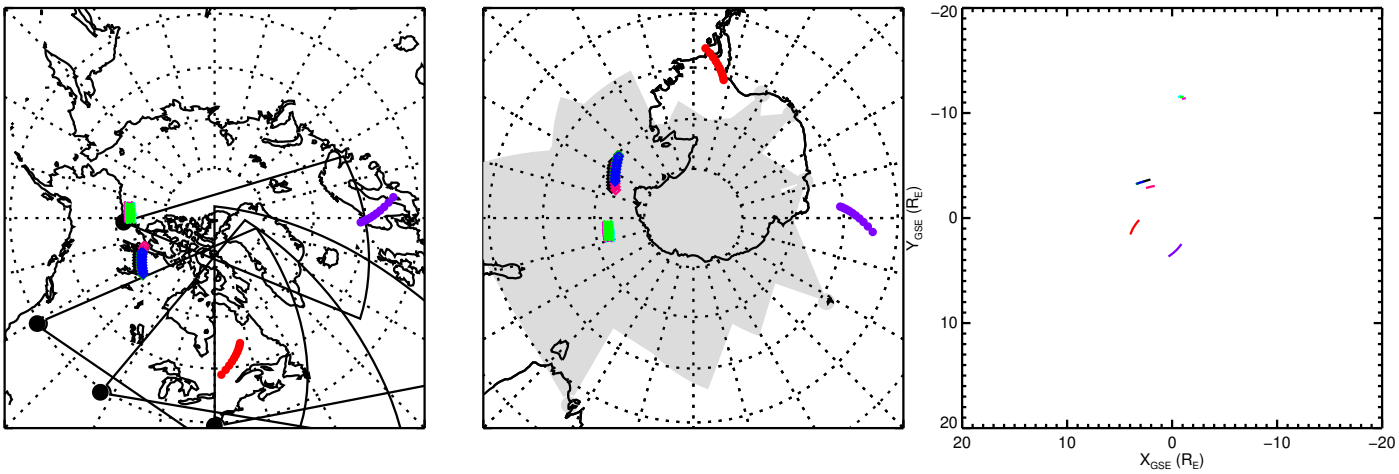




(c) 1045UT to 1440UT
han hkw inv pyk

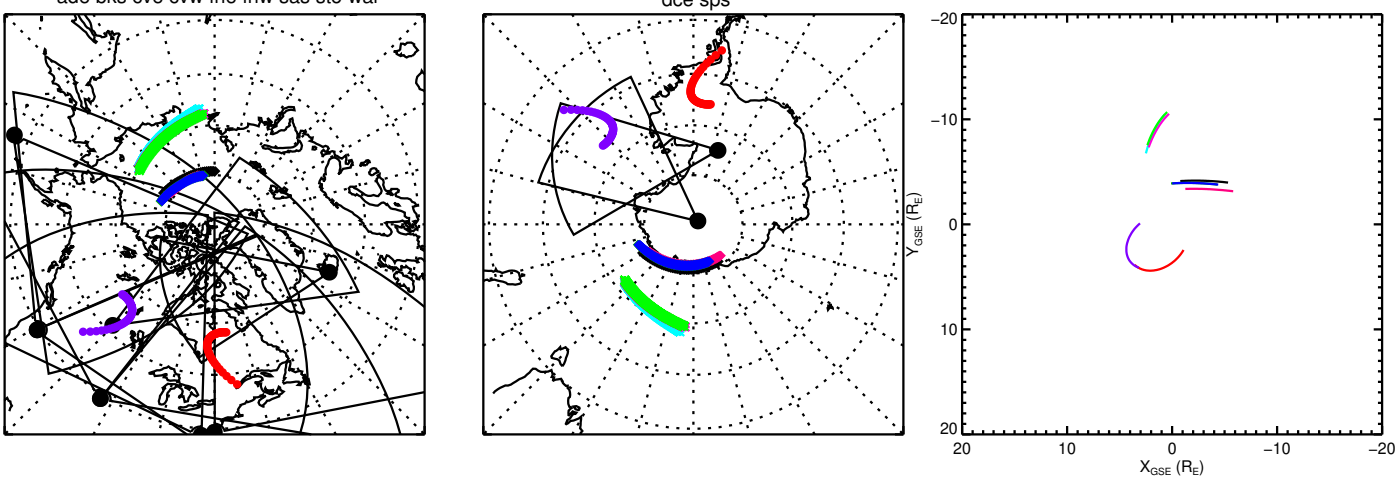


(d) 1650UT to 1740UT
cve fhe inv wal



(e) 1945UT to 2340UT
ade bks cve cvw fhe fhw sas sto wal

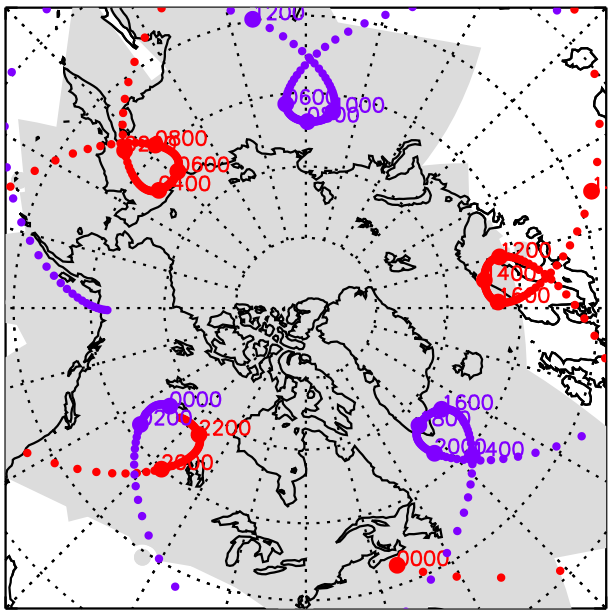
dce sps

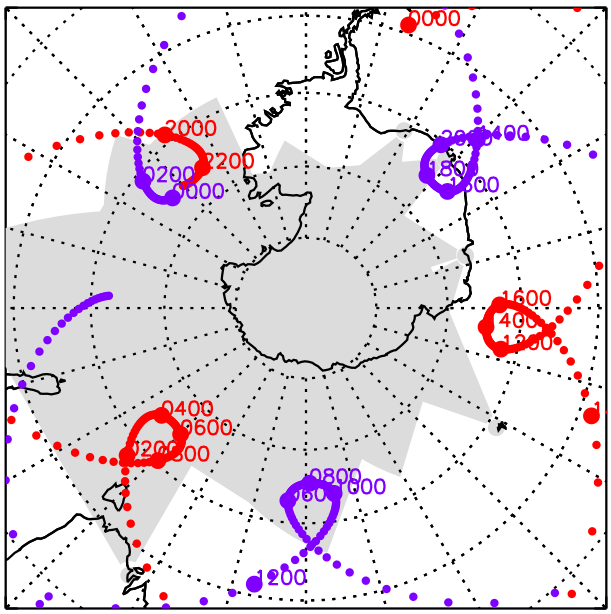


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

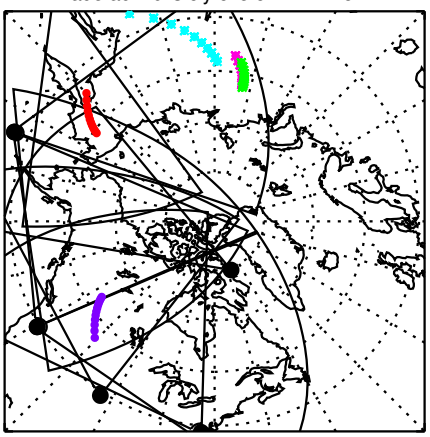
09–Sep–2015

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

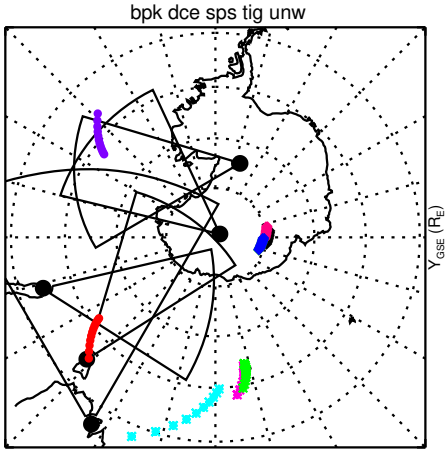


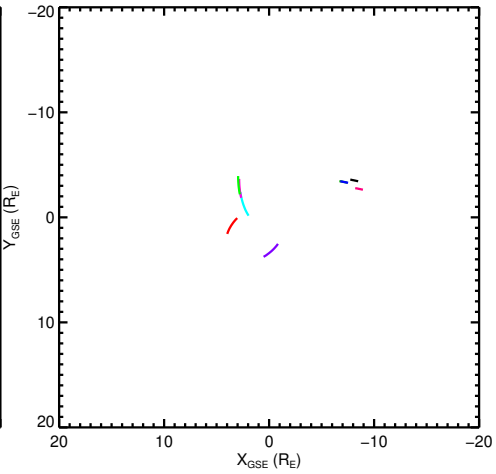


(a) 0145UT to 0240UT
ade adw bks cly cve cvw fhw hok

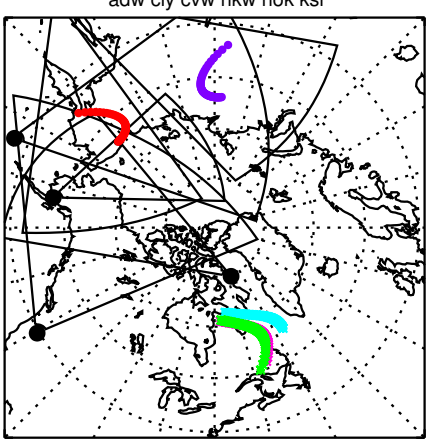


bpk dce sps tig unw

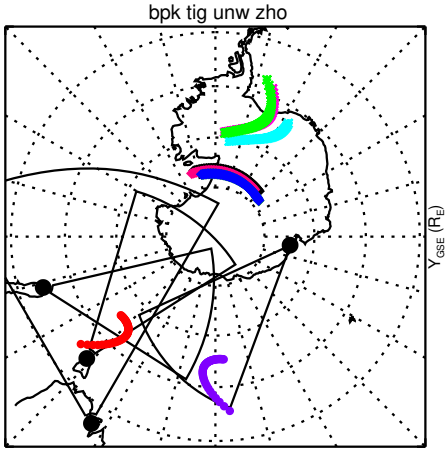


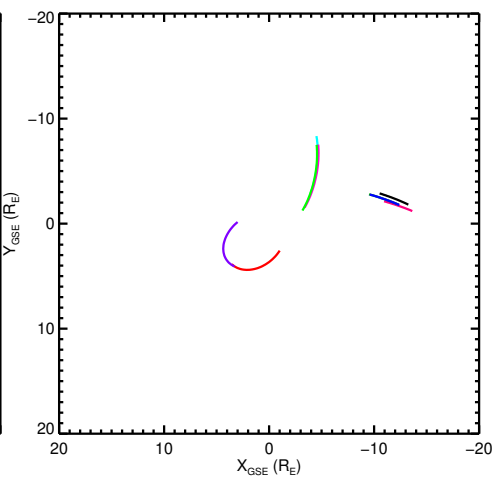


(b) 0445UT to 0835UT
adw cly cvw hkw hok ksr

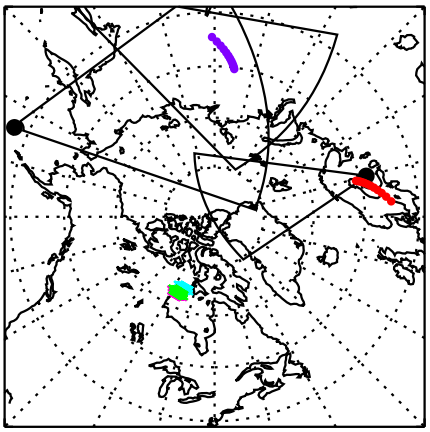


bpk tig unw zho

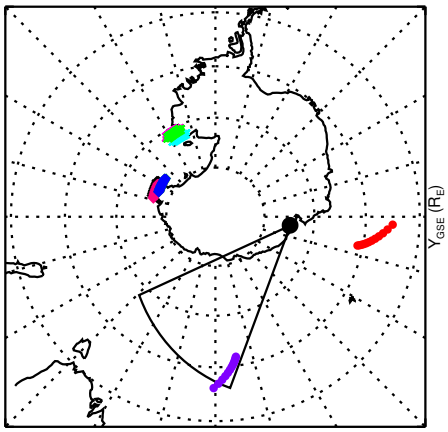


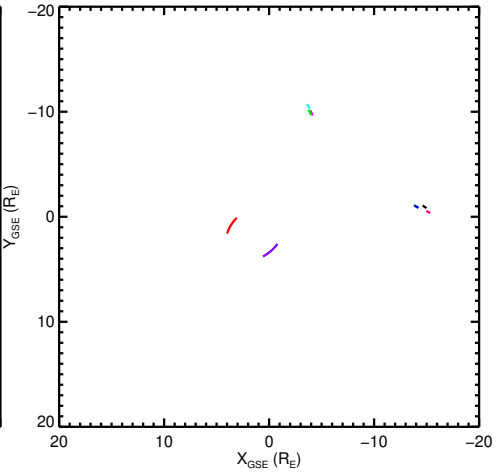


(c) 1045UT to 1140UT
adw han hkw

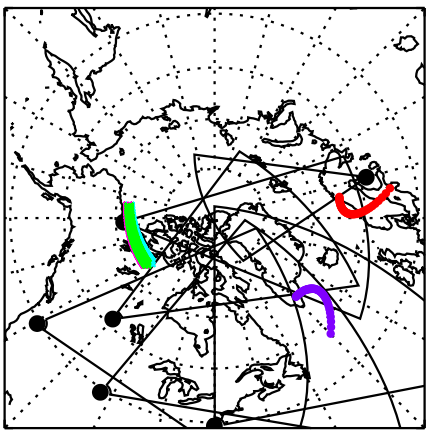


zho

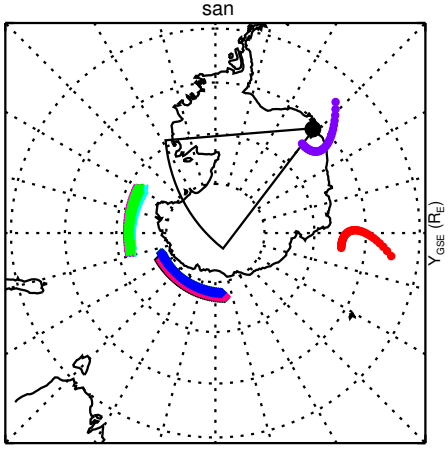


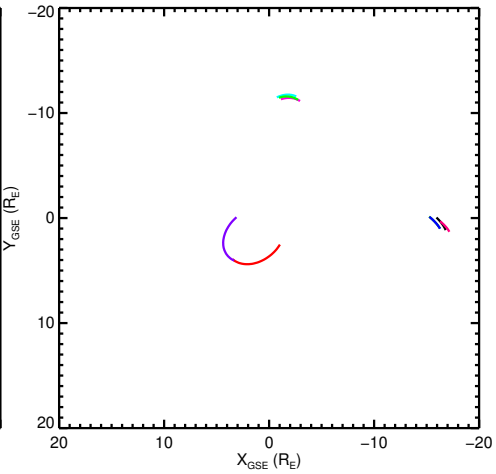


(d) 1350UT to 1735UT
cve fhe han inv sas wal

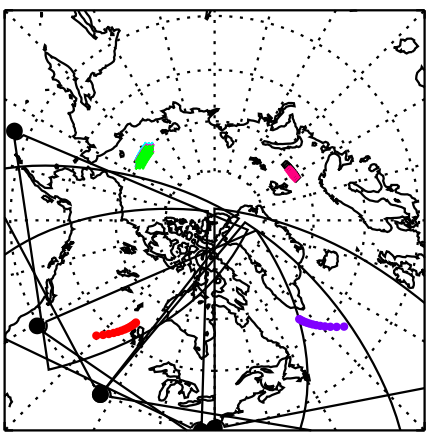


san

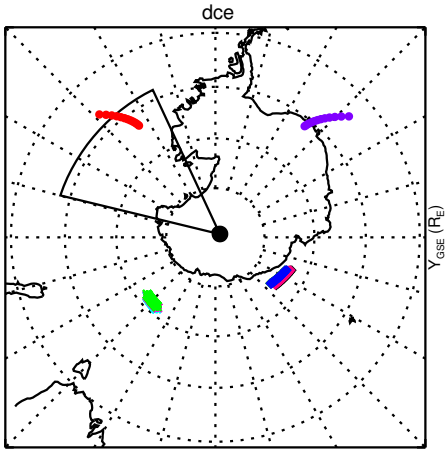


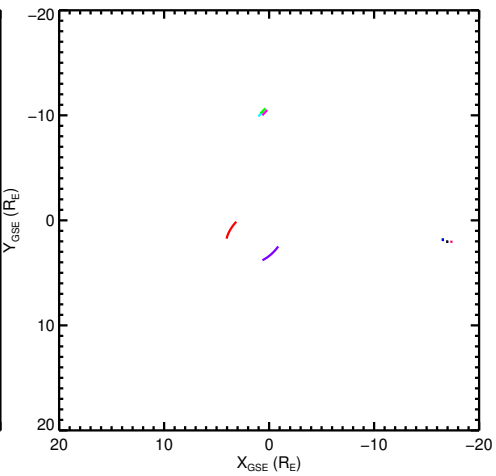


(e) 1945UT to 2045UT
ade bks cve fhe fhw wal

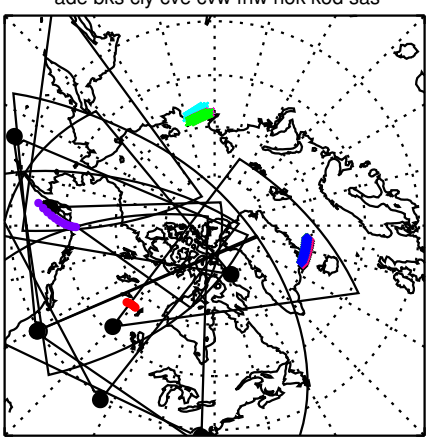


dce

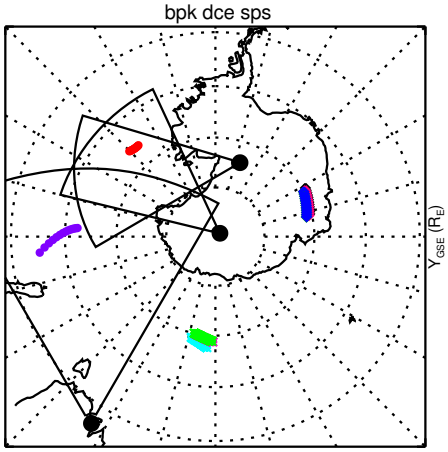


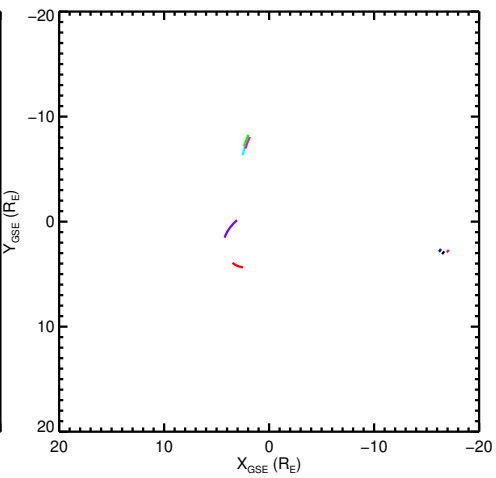


(f) 2250UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



bpk dce sps

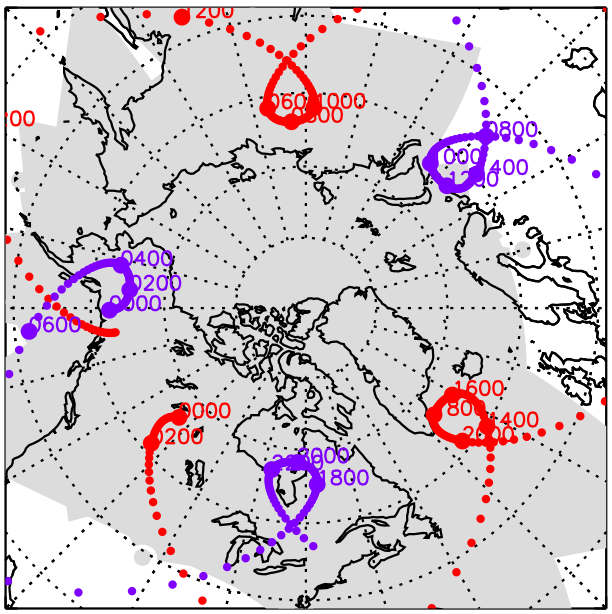


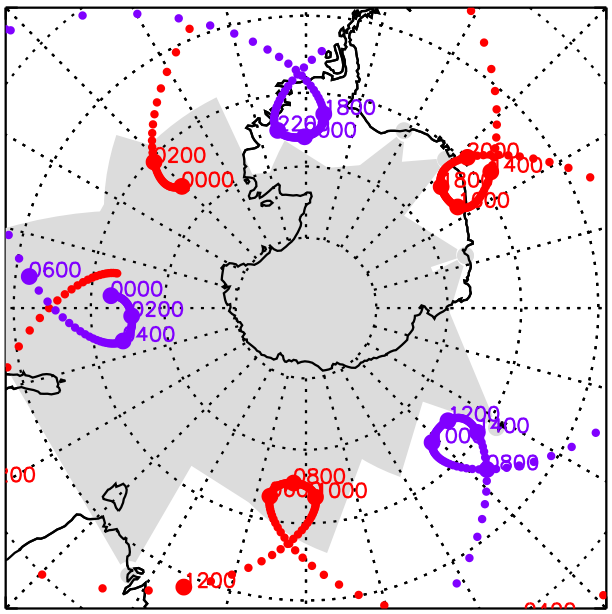


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

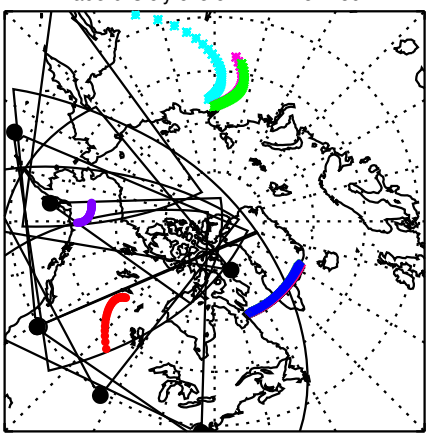
10–Sep–2015

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

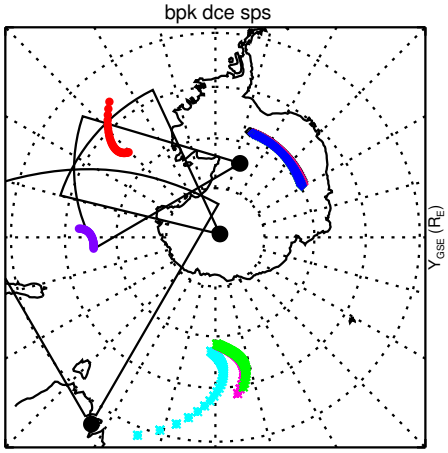


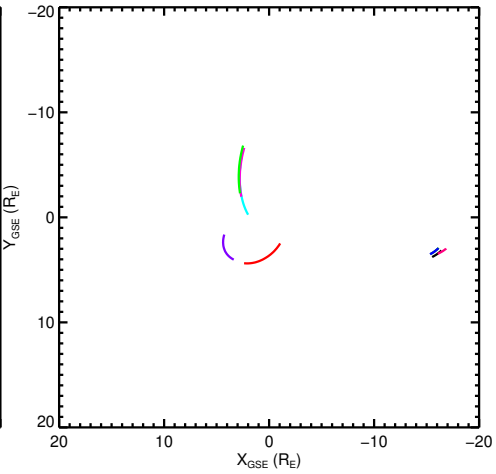


(a) 0000UT to 0235UT
ade bks cly cve cvw fhw hok kod

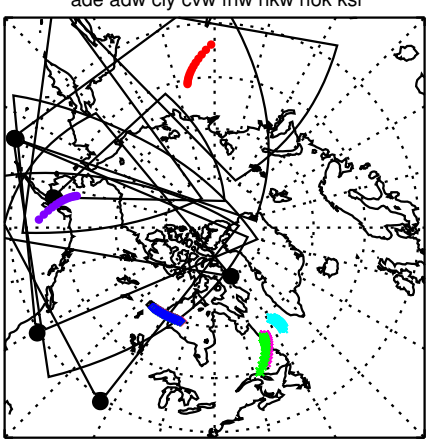


bpk dce sps

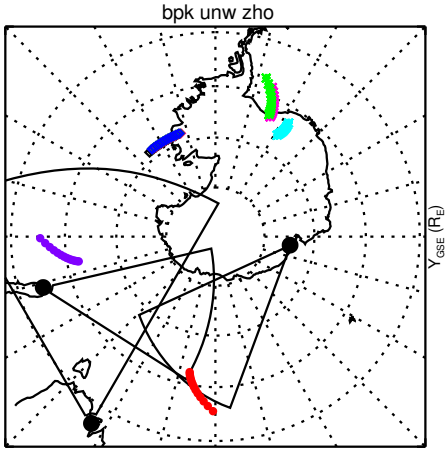


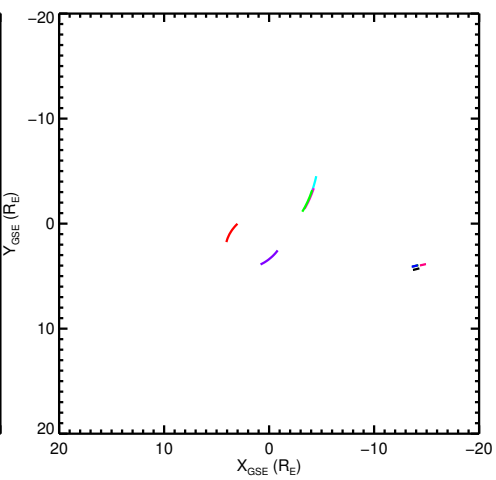


(b) 0440UT to 0545UT
ade adw cly cvw fhw hkw hok ksr

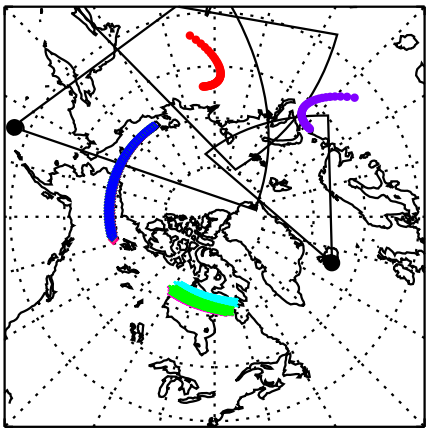


bpk unw zho





(c) 0750UT to 1135UT
adw hkw pyk



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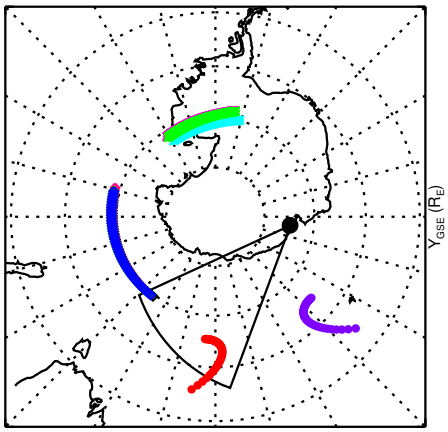
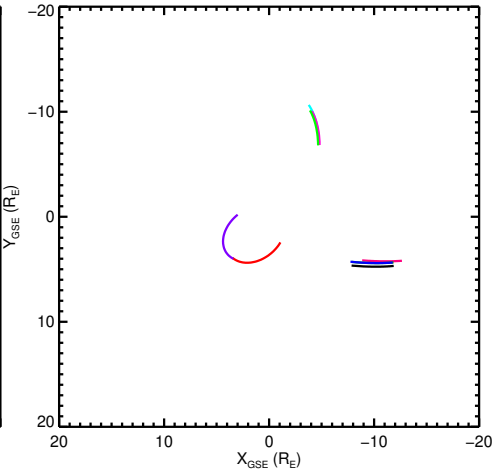
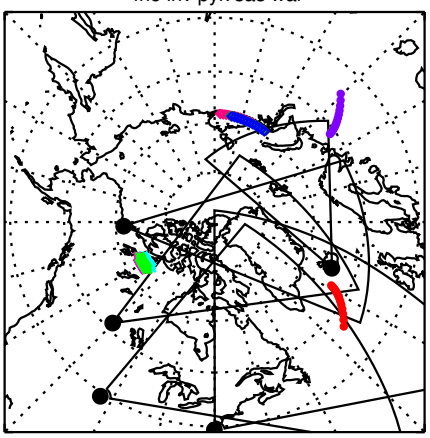
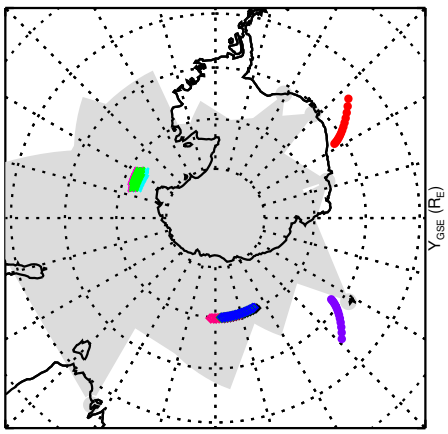
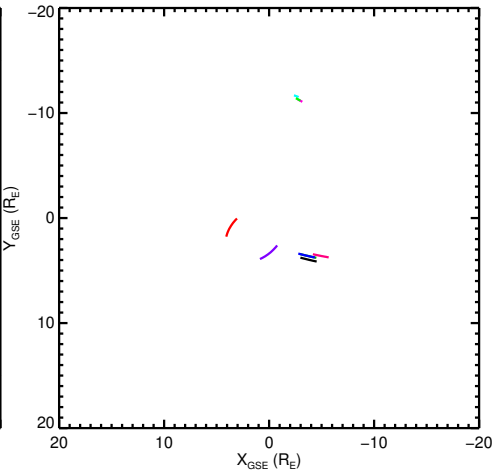




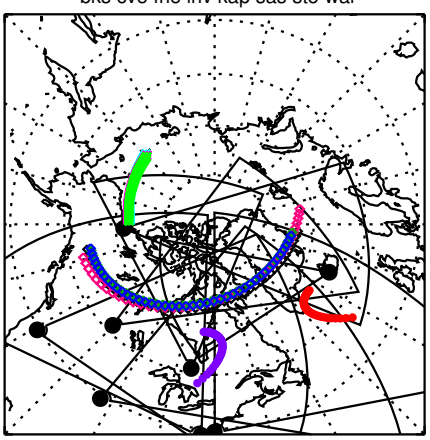
(d) 1340UT to 1445UT
fhe inv pyk sas wal

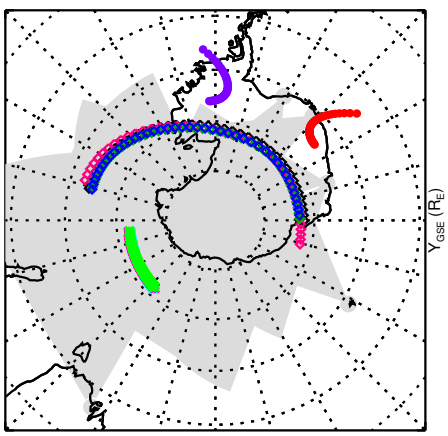


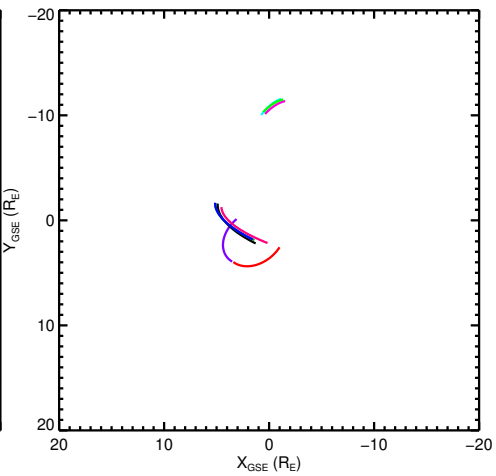




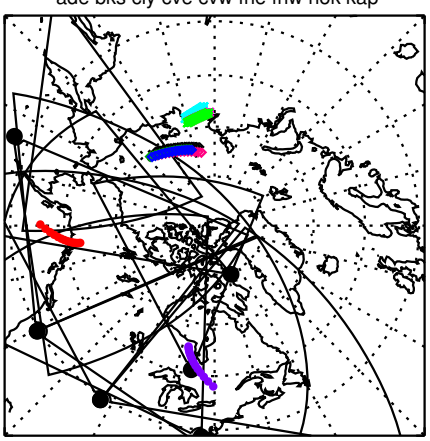
(e) 1655UT to 2030UT
bks cve fhe inv kap sas sto wal



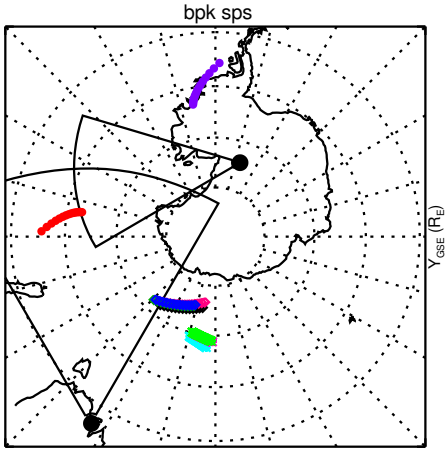


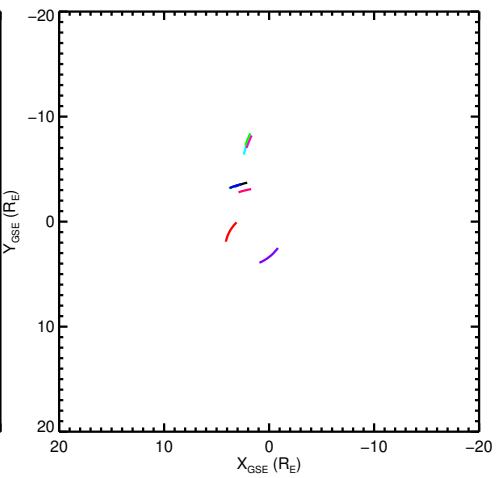


(f) 2240UT to 2350UT
ade bks cly cve cvw fhe fhw hok kap



bpk sps

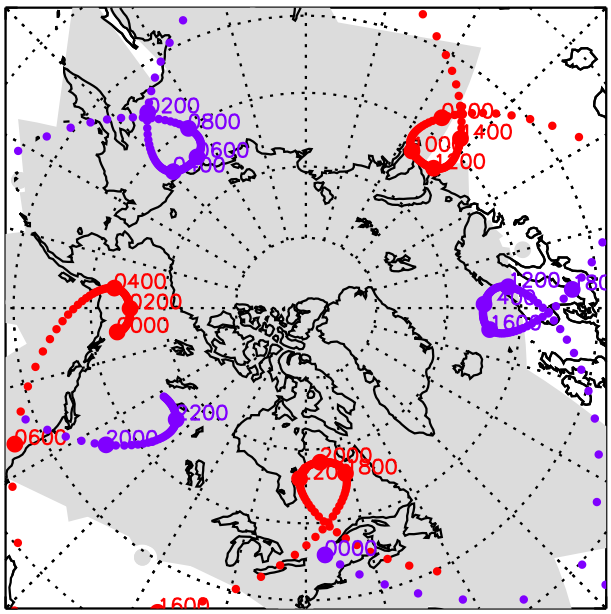


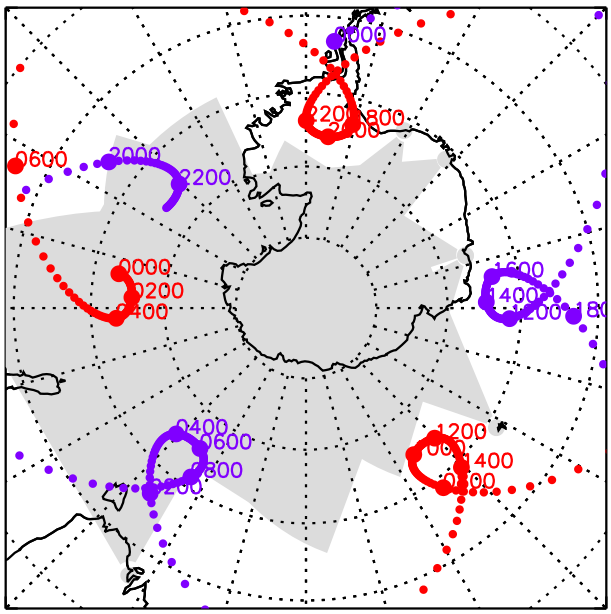


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

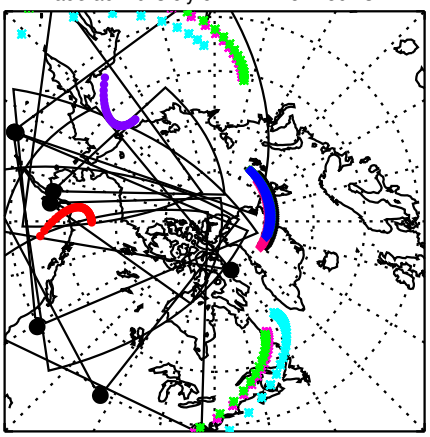
11–Sep–2015

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

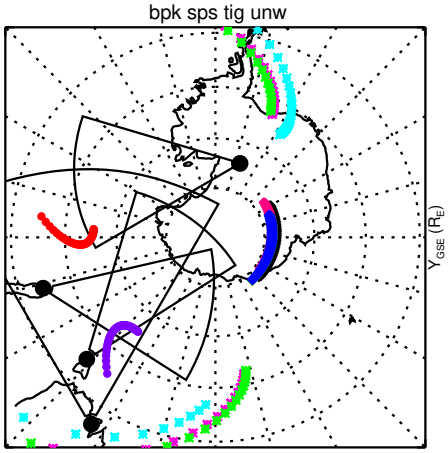


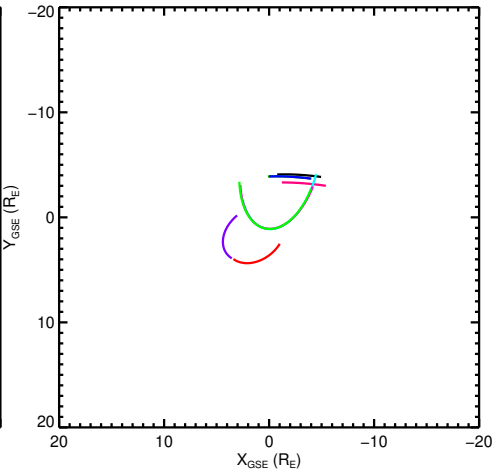


(a) 0155UT to 0530UT
ade adw bks cly cvw fhw hok kod ksr

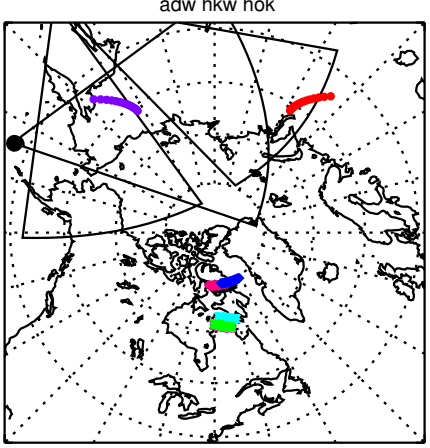


bpk sps tig unw

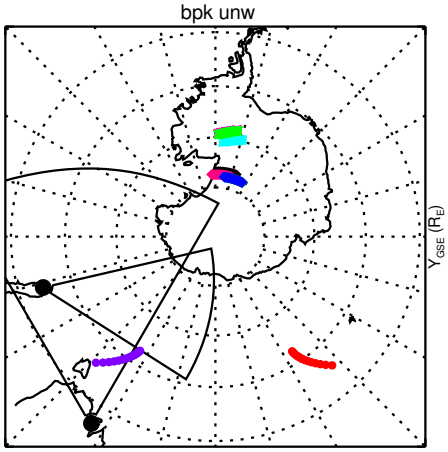


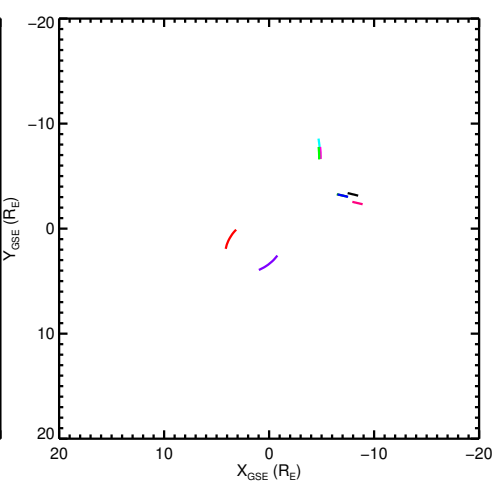


(b) 0740UT to 0850UT
adw hkw hok

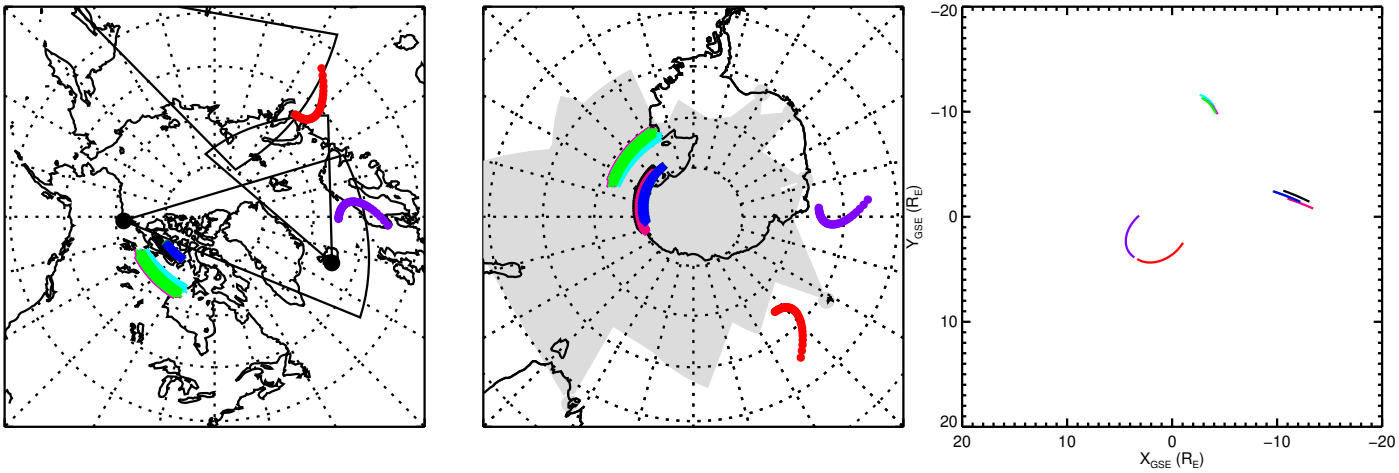


bpk unw

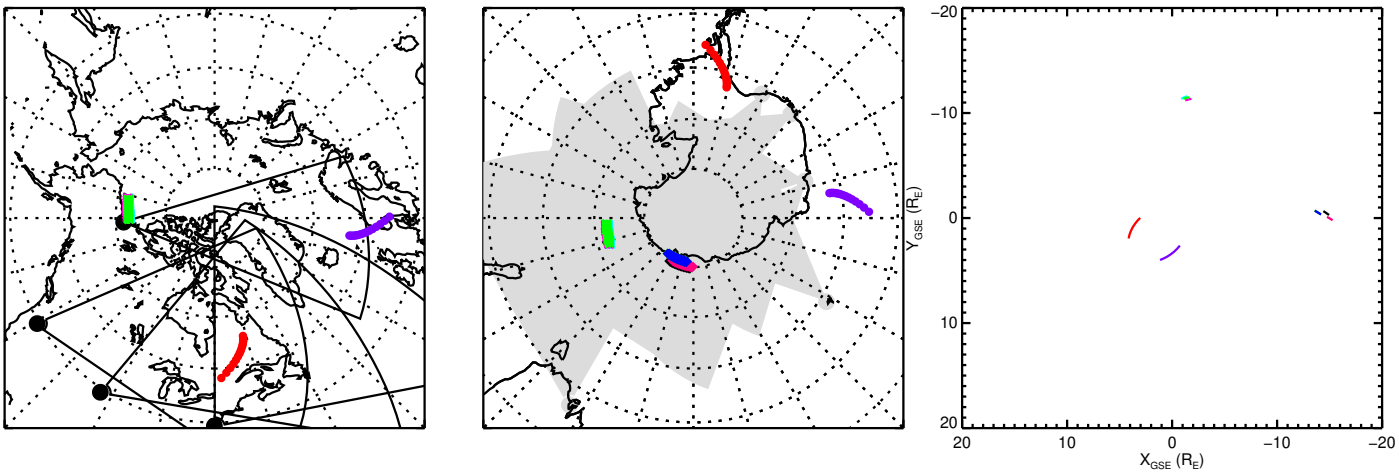




(c) 1100UT to 1430UT
hkw inv pyk

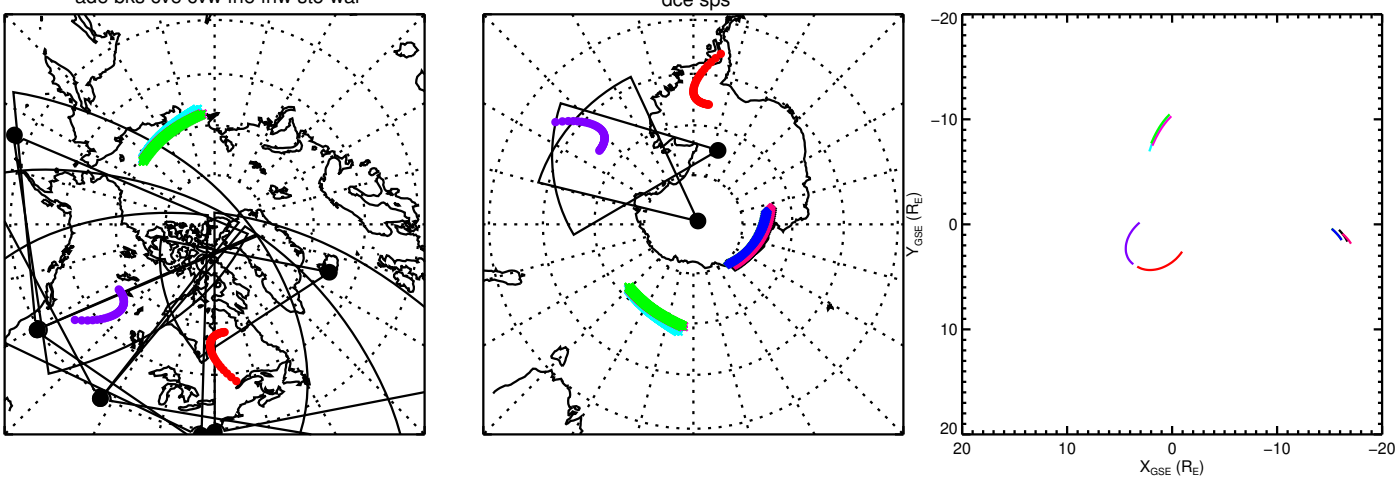


(d) 1635UT to 1750UT
cve fhe inv wal



(e) 2000UT to 2325UT
ade bks cve cvw fhe fhw sto wal

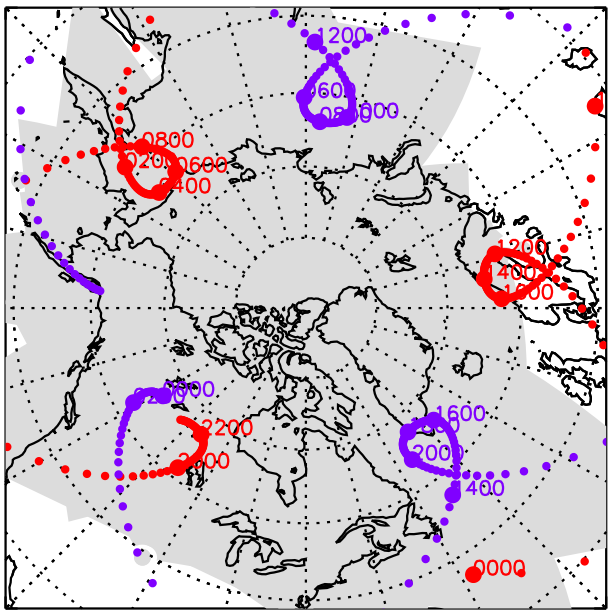
dce sps

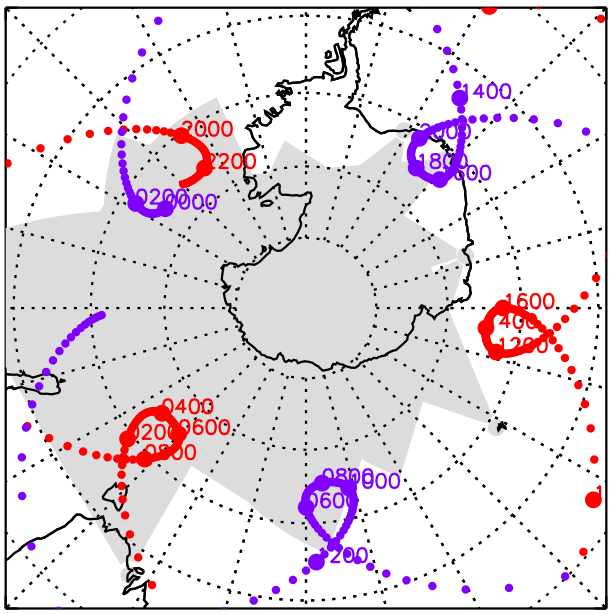


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

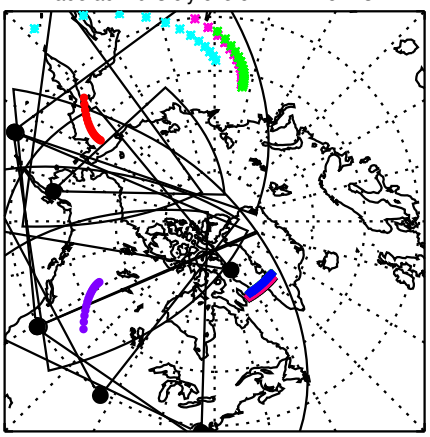
12–Sep–2015

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

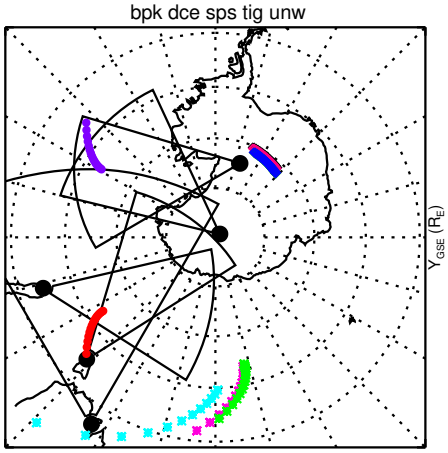


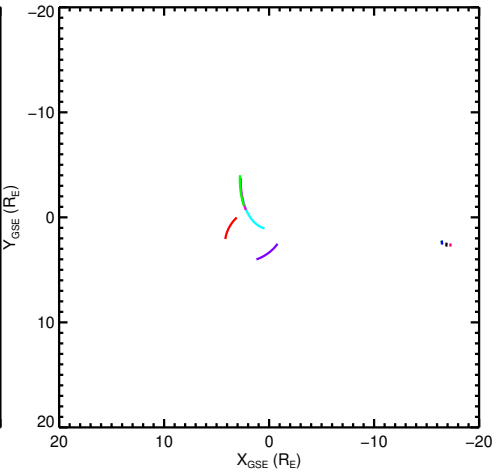


(a) 0135UT to 0255UT
ade adw bks cly cve cvw fhw hok ksr

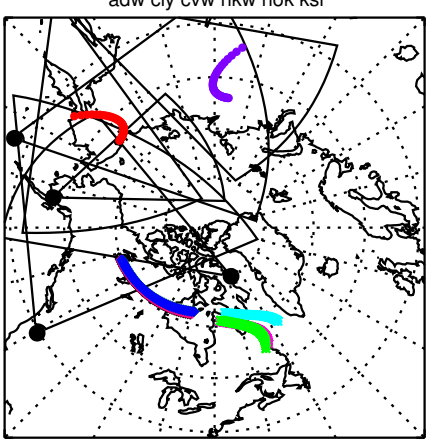


bpk dce sps tig unw

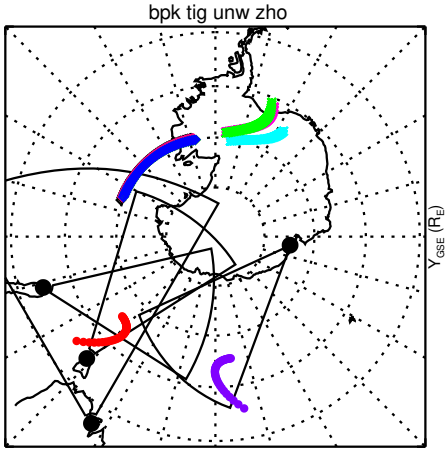


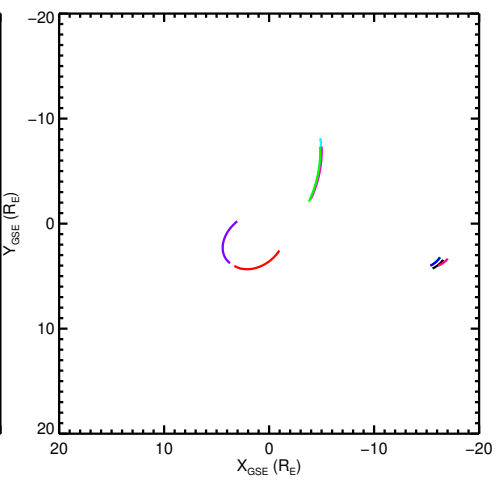


(b) 0500UT to 0825UT
adw cly cvw hkw hok ksr

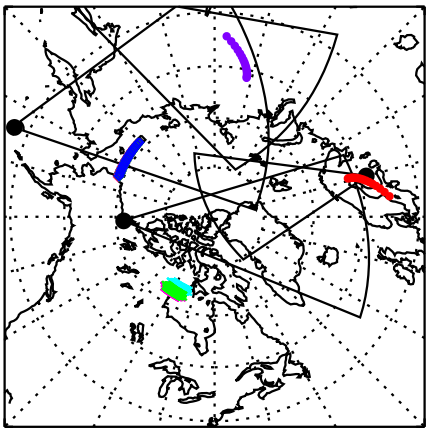


bpk tig unw zho

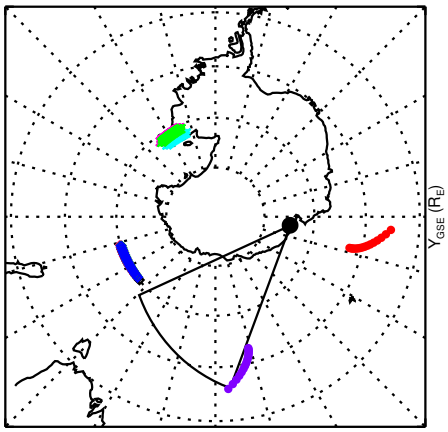


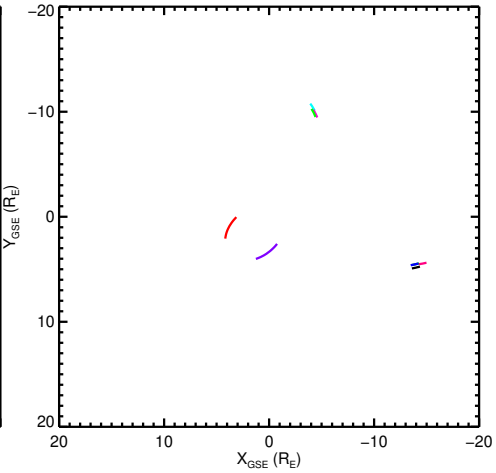


(c) 1035UT to 1155UT
adw han hkw inv

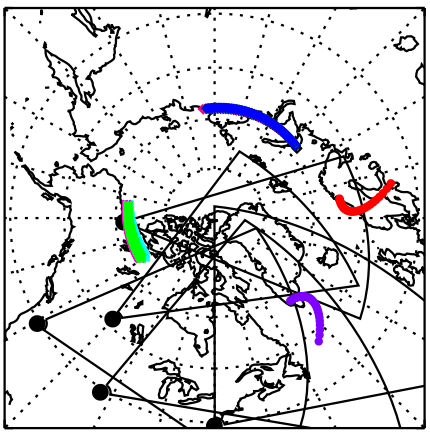


zho

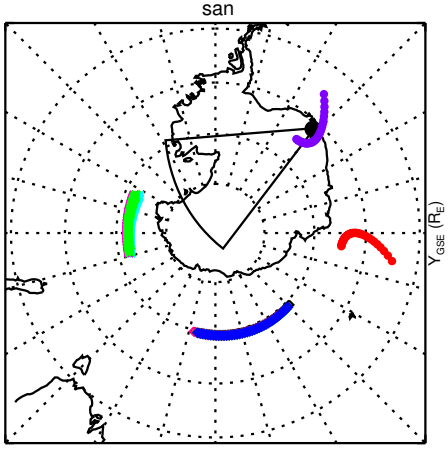


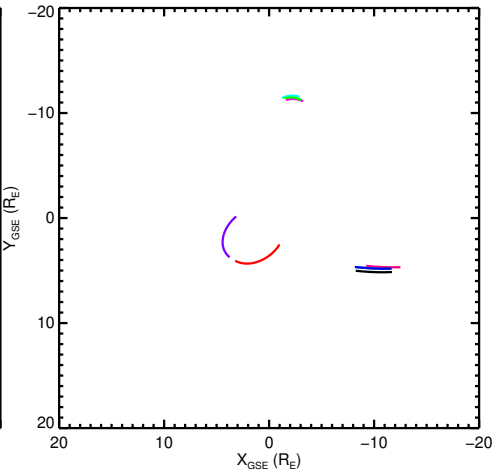


(d) 1405UT to 1725UT
cve fhe inv sas wal

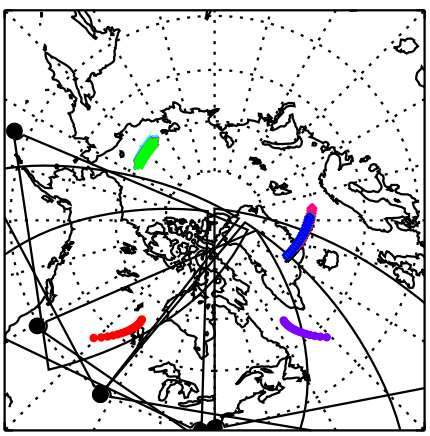


san

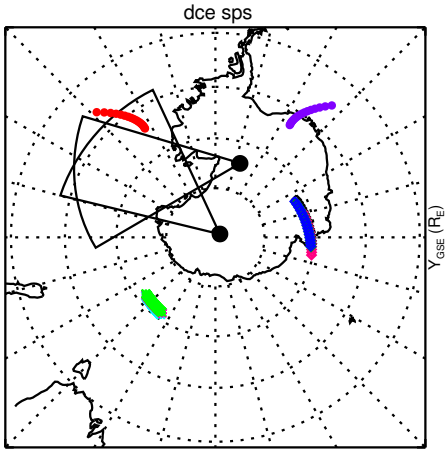


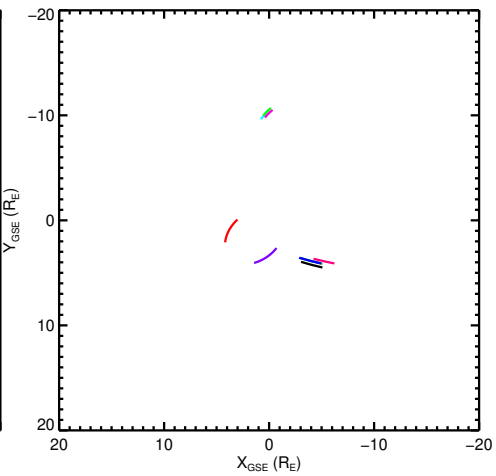


(e) 1930UT to 2055UT
ade bks cve fhe fhw wal

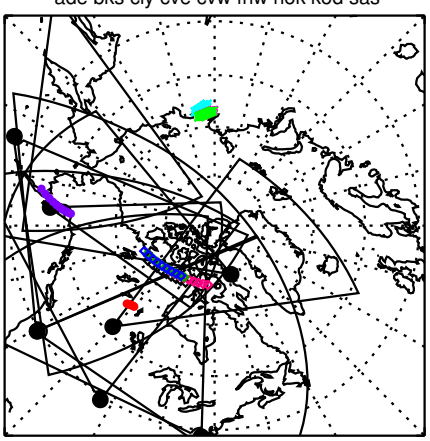


dce sps

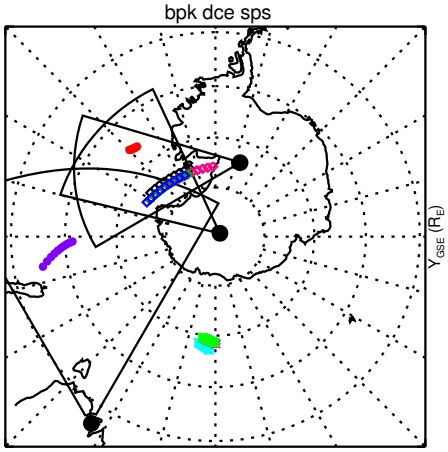


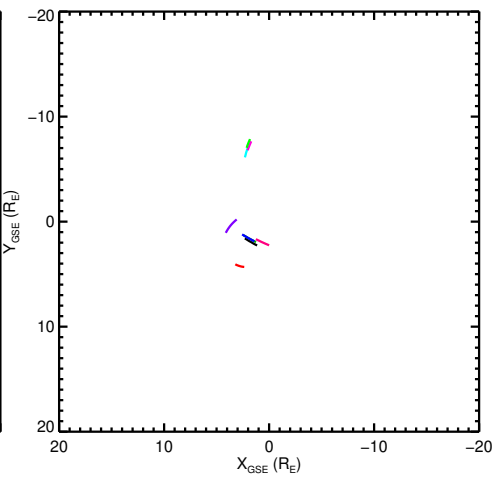


(f) 2305UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



bpk dce sps

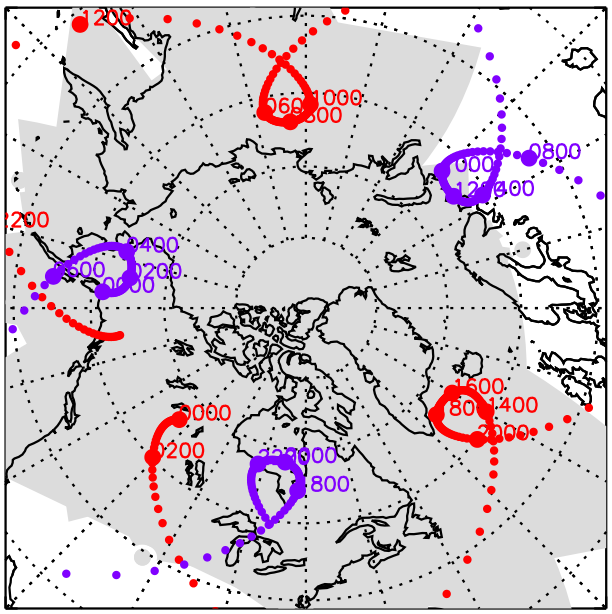


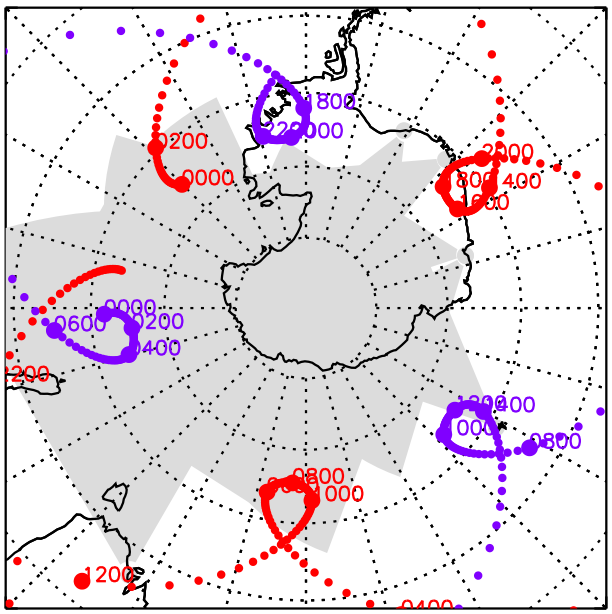


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

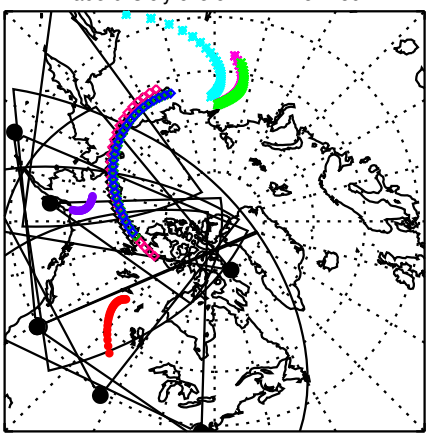
13–Sep–2015

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

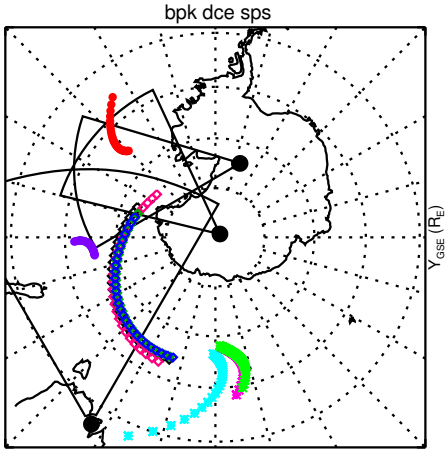


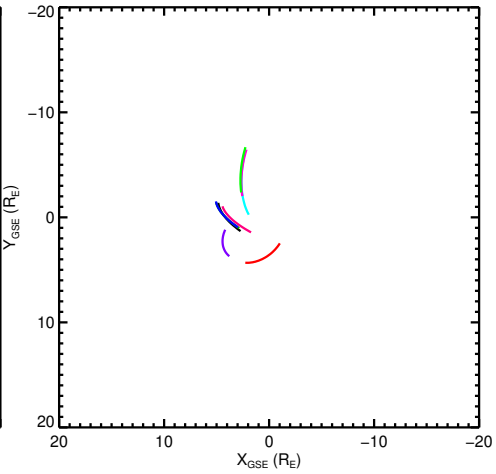


(a) 0000UT to 0225UT
ade bks cly cve cvw fhw hok kod

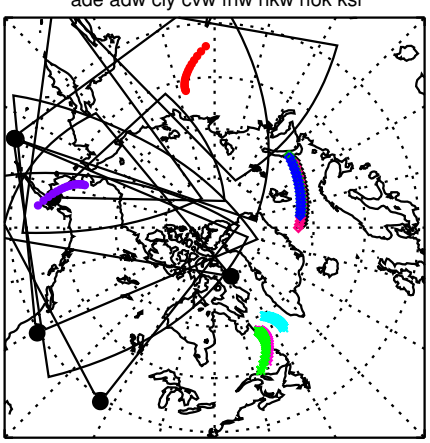


bpk dce sps

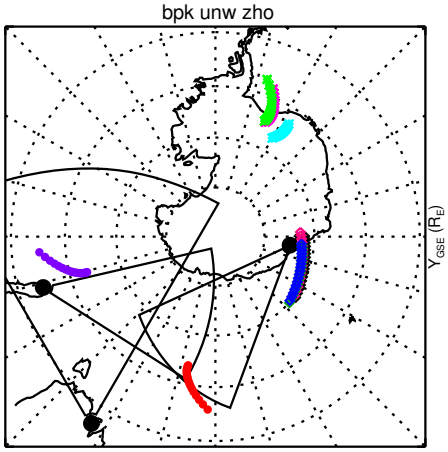


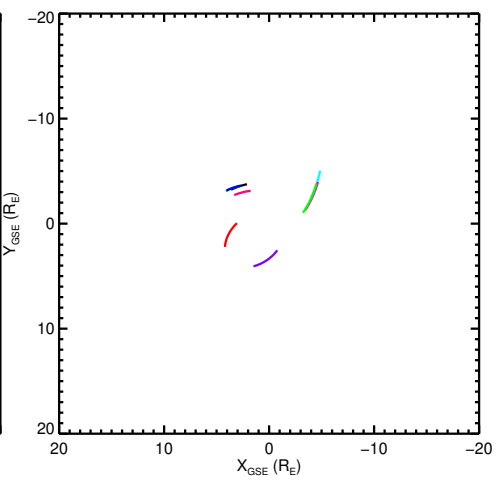


(b) 0430UT to 0600UT
ade adw cly cvw fhw hkw hok ksr

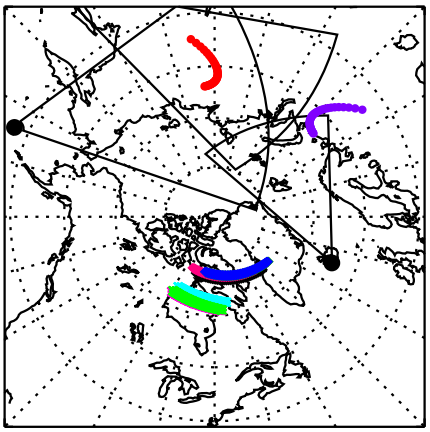


bpk unw zho

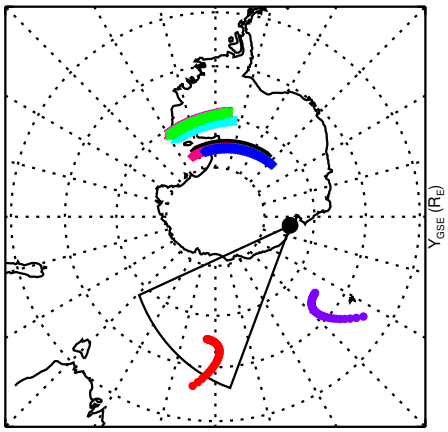


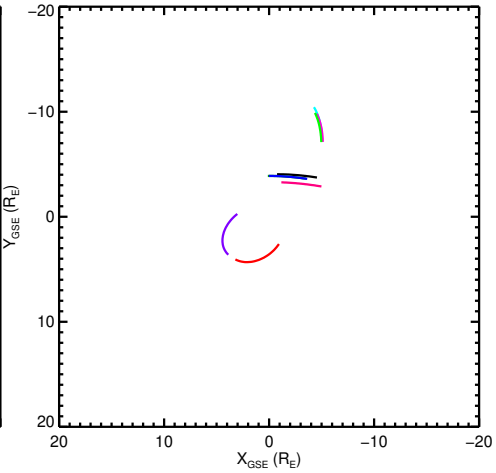


(c) 0805UT to 1120UT
adw hkw pyk

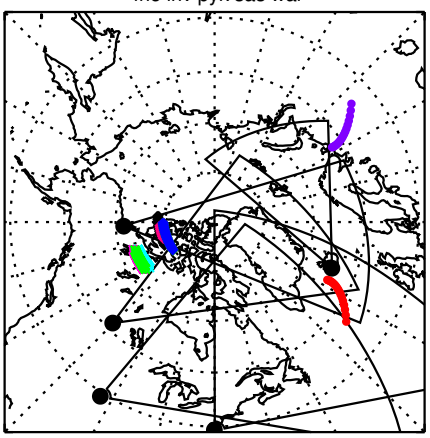


zho





(d) 1330UT to 1500UT
fhe inv pyk sas wal



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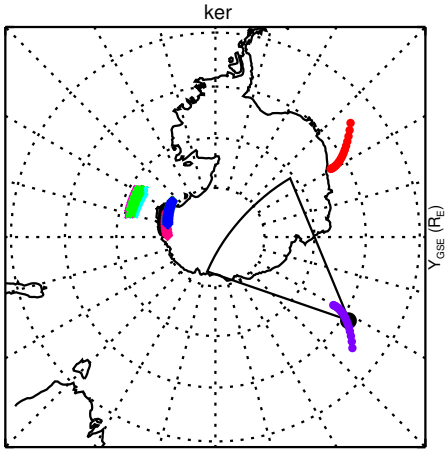
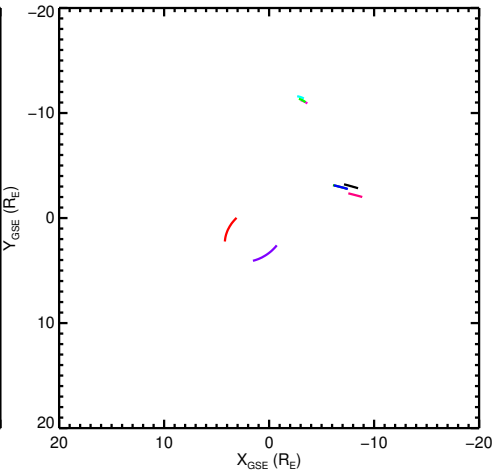
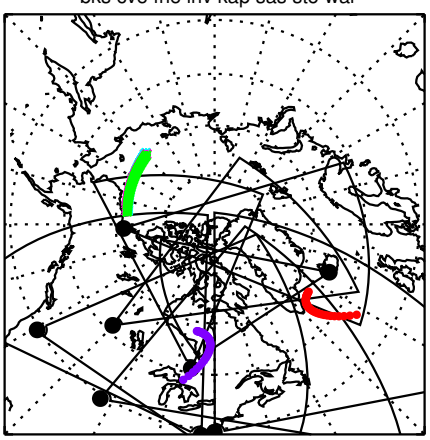
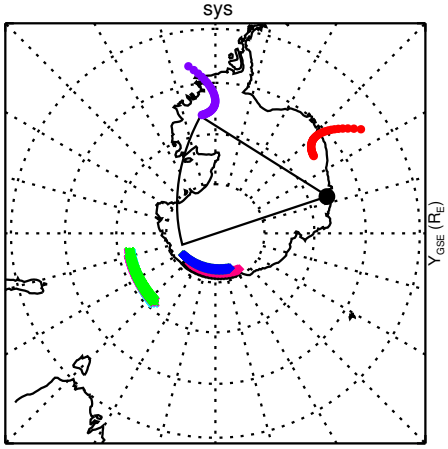


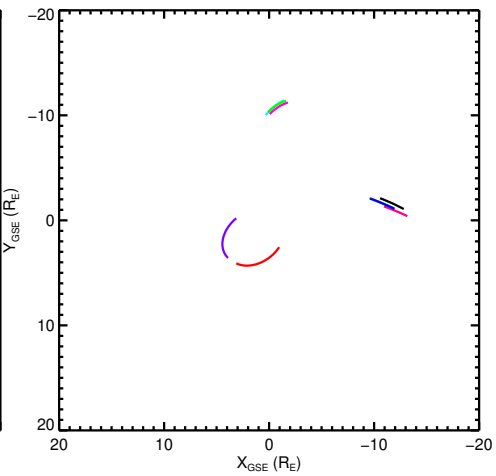


(e) 1710UT to 2020UT
bks cve fhe inv kap sas sto wal

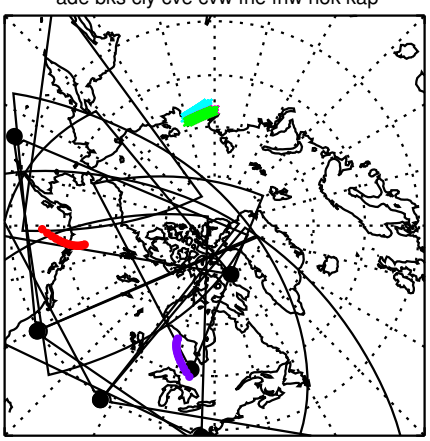


sys

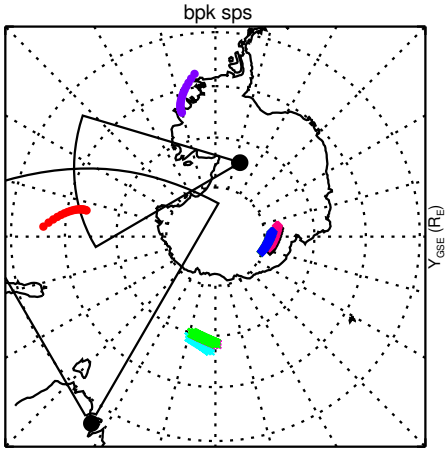


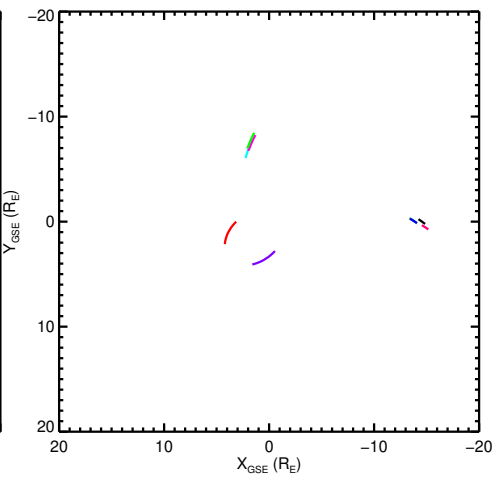


(f) 2230UT to 2355UT
ade bks cly cve cvw fhe fhw hok kap



bpk sps

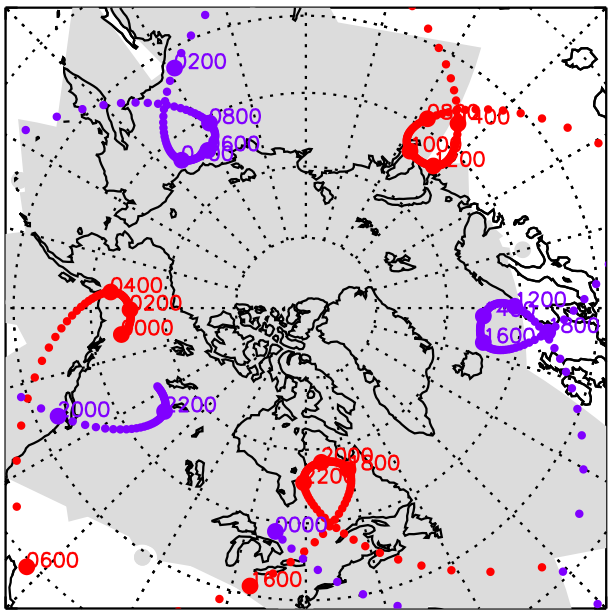


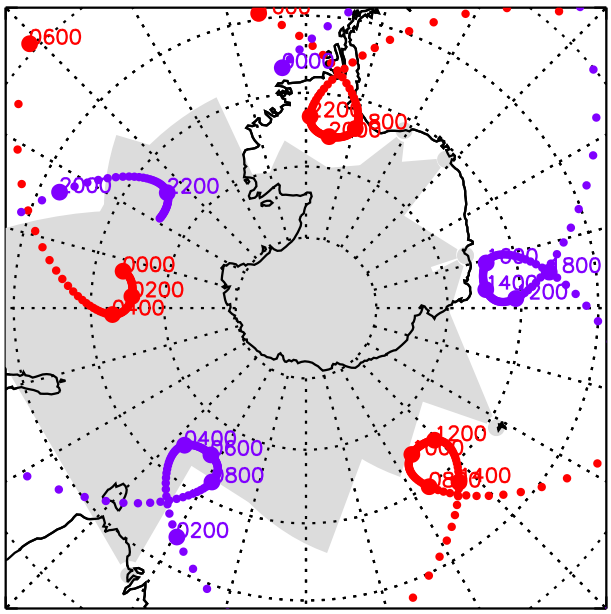


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

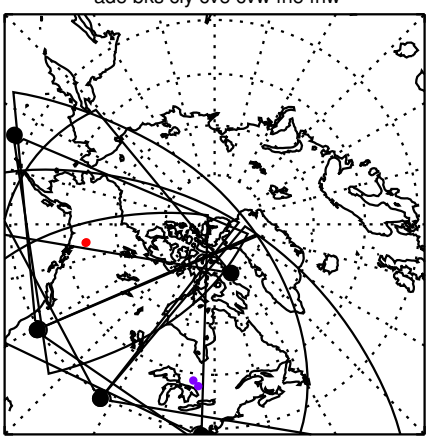
14–Sep–2015

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

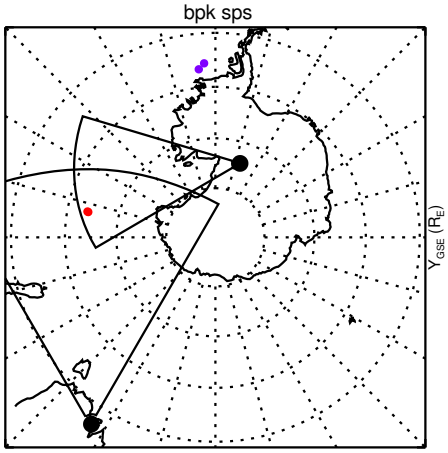


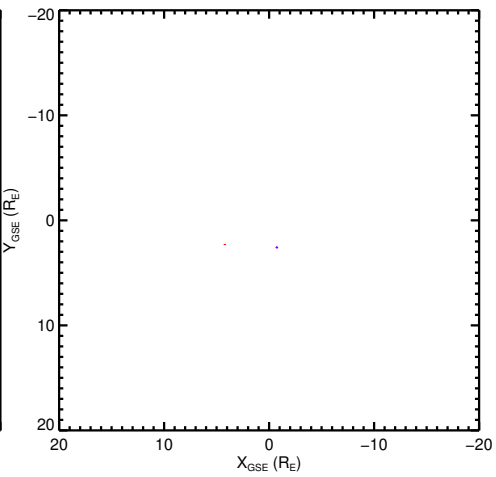


(a) 0000UT to 0005UT
ade bks cly cve cvw fhe fhw

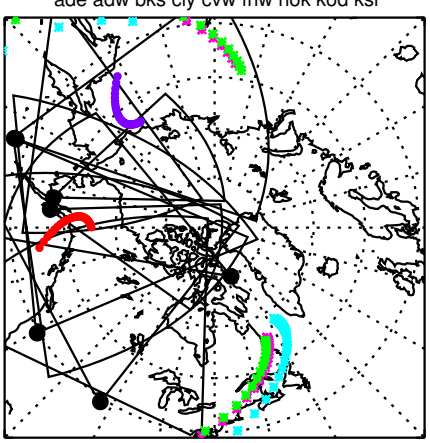


bpk sps

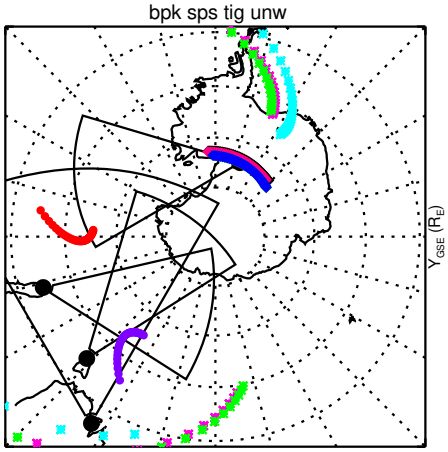


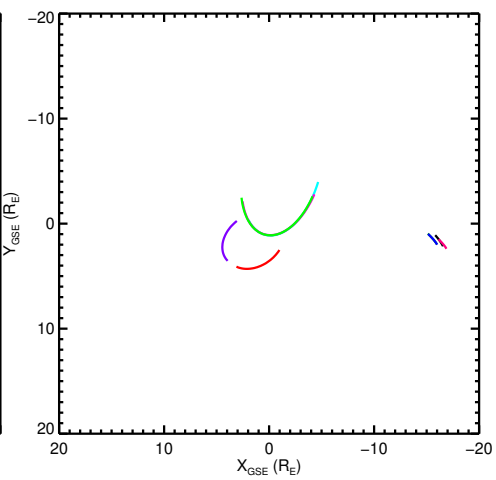


(b) 0210UT to 0520UT
ade adw bks cly cvw fhw hok kod ksr



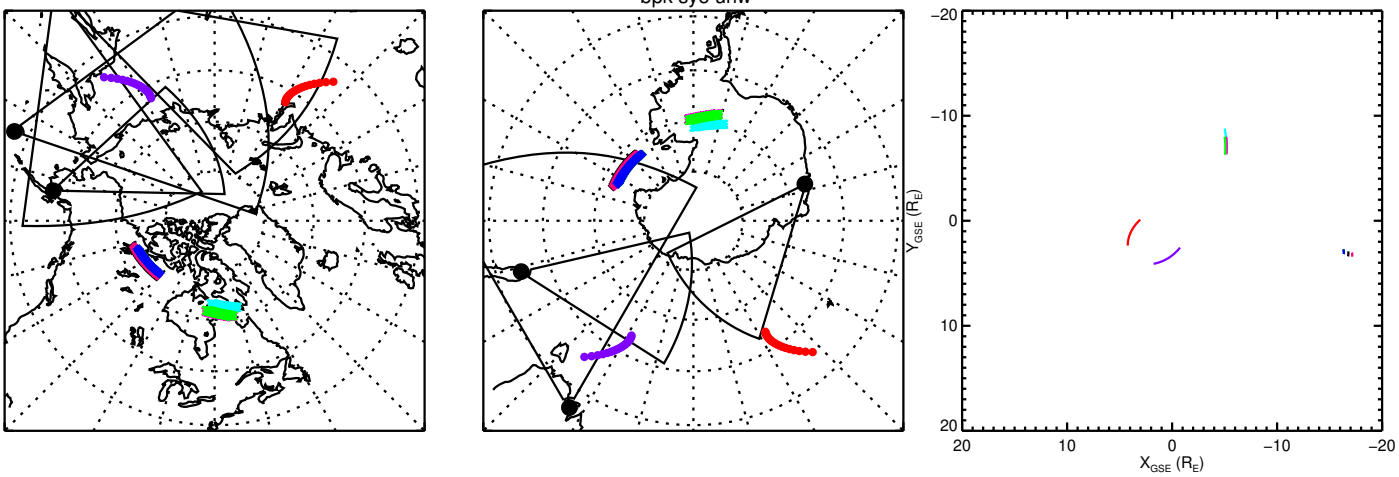
bpk sps tig unw



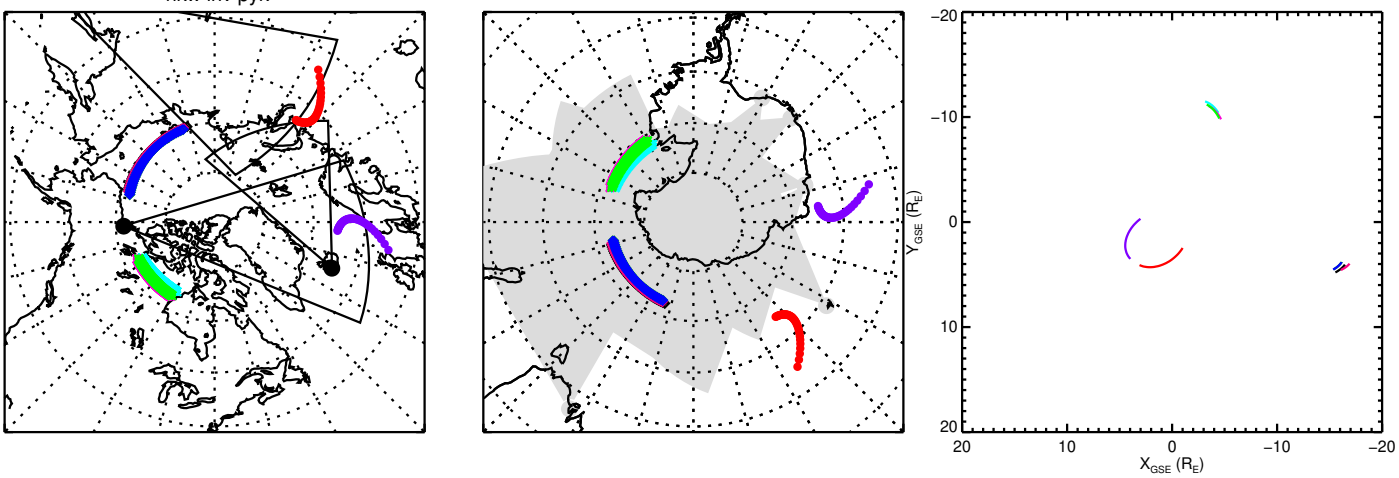


(c) 0725UT to 0905UT
adw hkw hok ksr

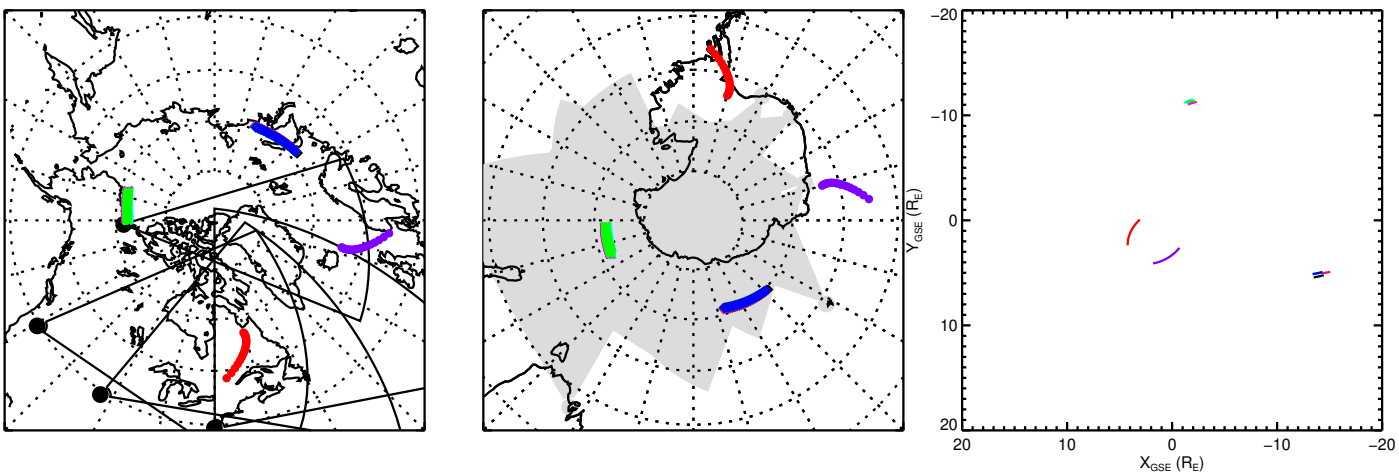
bpk sye unw



(d) 1110UT to 1420UT
hkw inv pyk

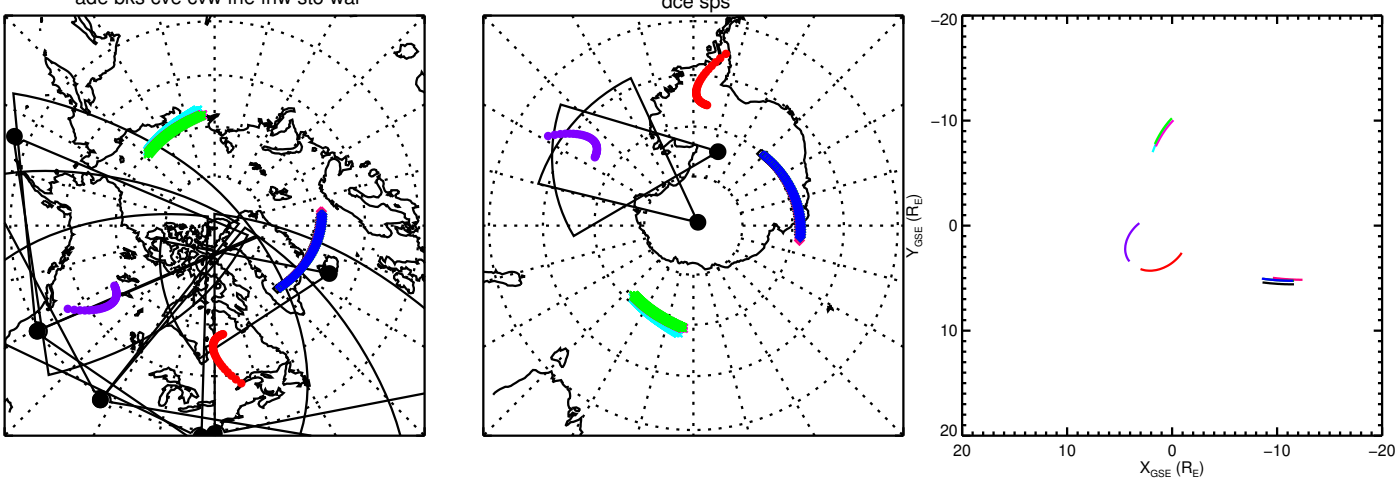


(e) 1625UT to 1805UT
cve fhe inv wal



(f) 2015UT to 2315UT
ade bks cve cvw fhe fhw sto wal

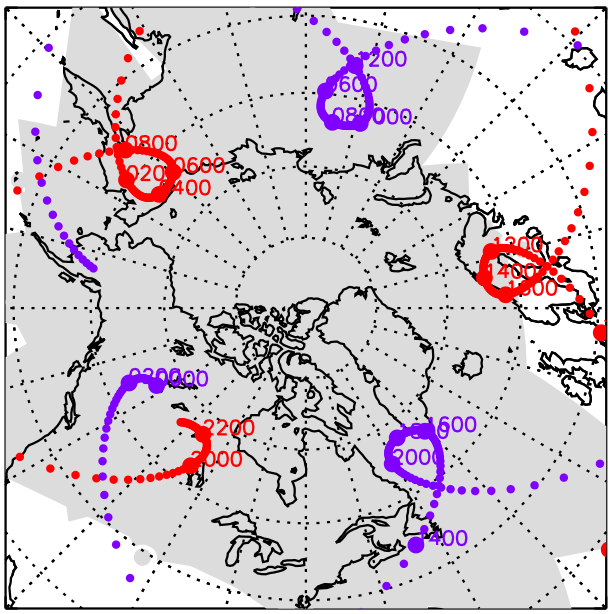
dce sps

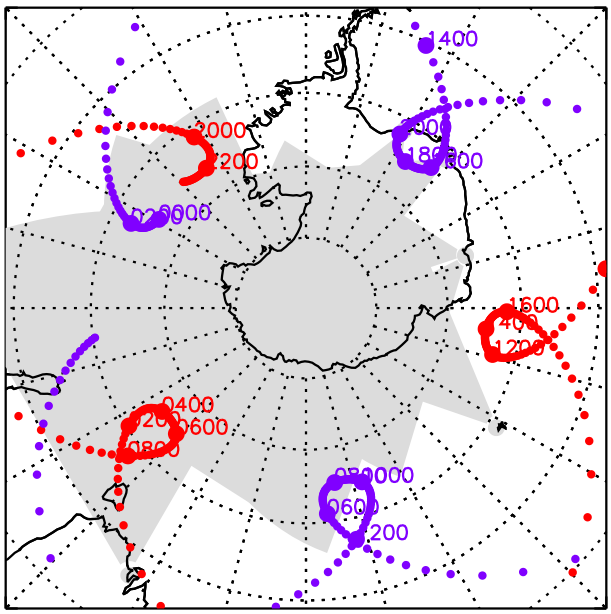


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

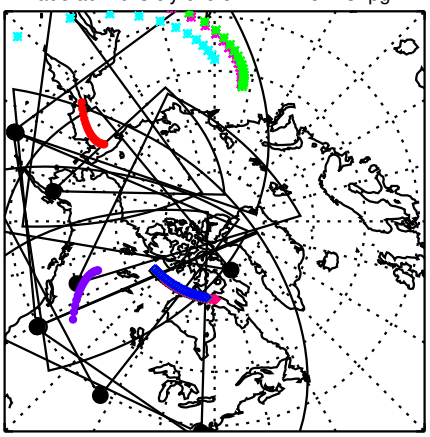
15–Sep–2015

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

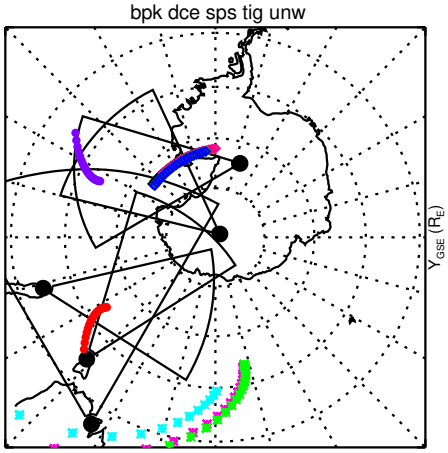


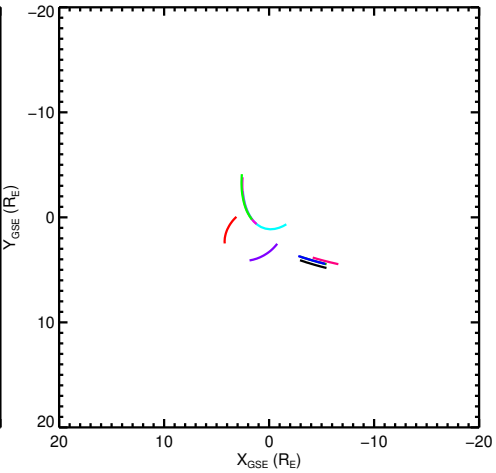


(a) 0125UT to 0310UT
ade adw bks cly cve cvw fhw hok ksr pgr

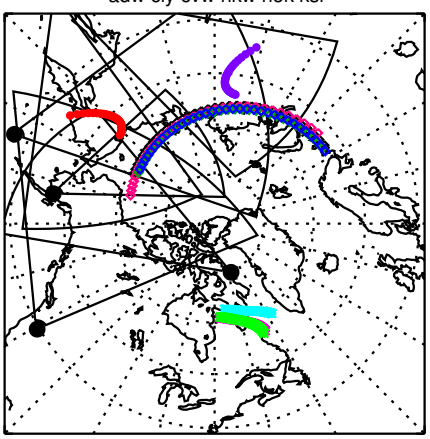


bpk dce sps tig unw

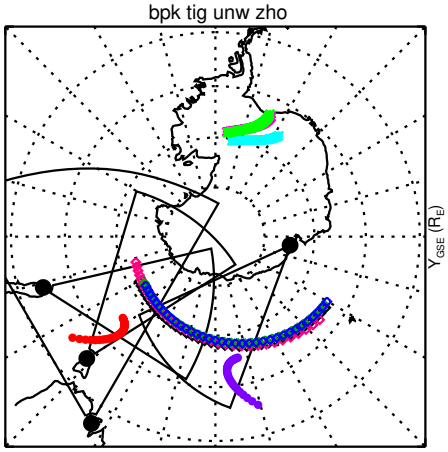


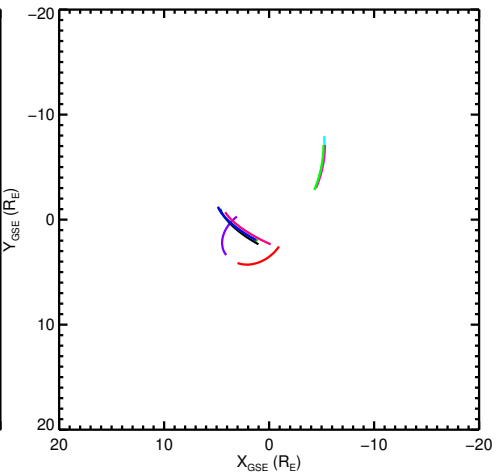


(b) 0515UT to 0815UT
adw cly cvw hkw hok ksr

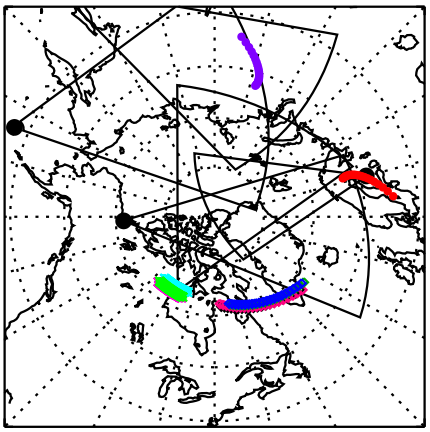


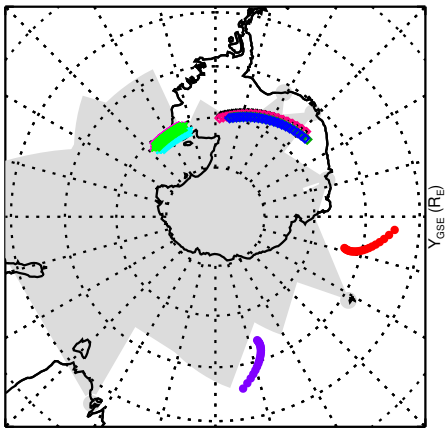
bpk tig unw zho

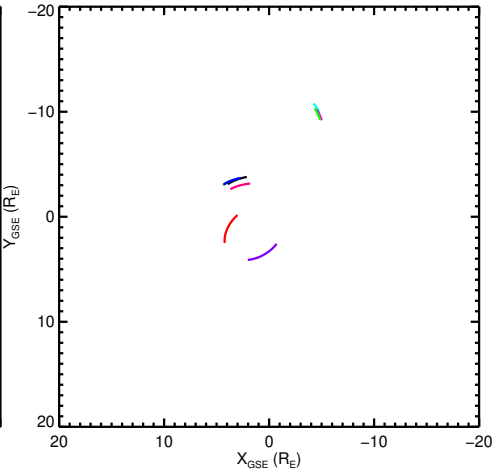




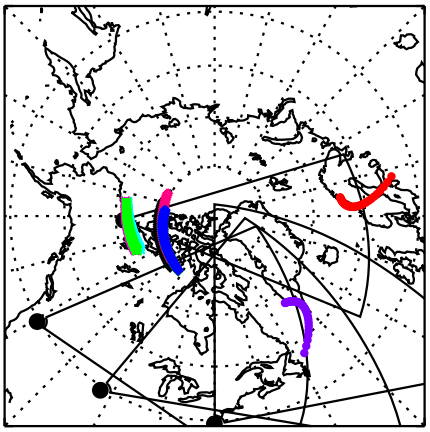
(c) 1020UT to 1210UT
adw han hkw inv rkn



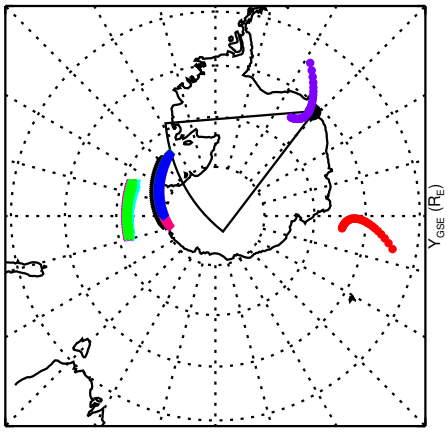


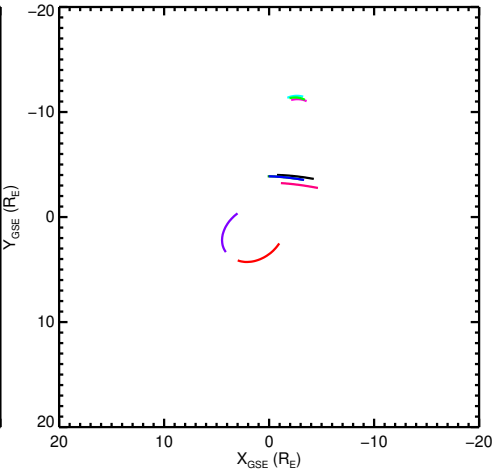


(d) 1415UT to 1715UT
cve fhe inv wal

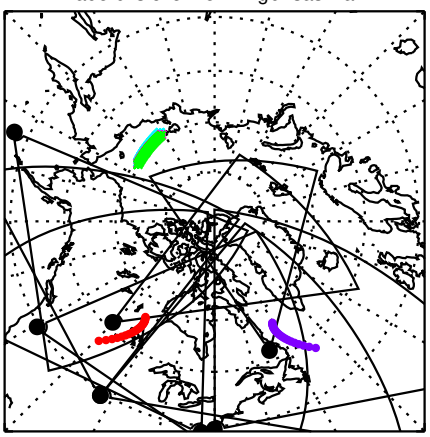


san

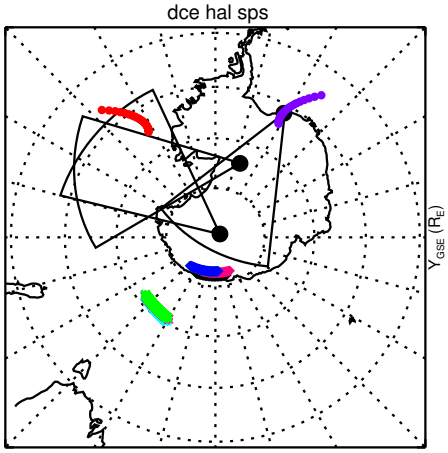


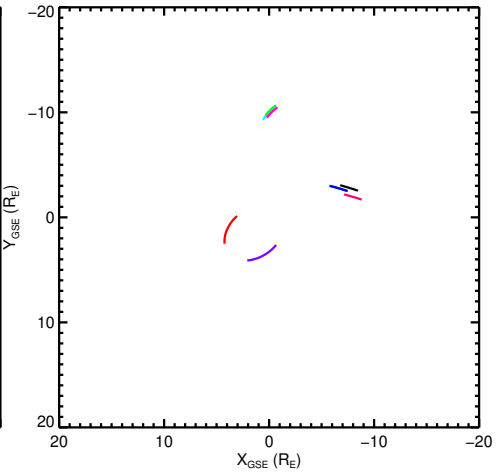


(e) 1920UT to 2110UT
ade bks cve fhe fhw gbr sas wal

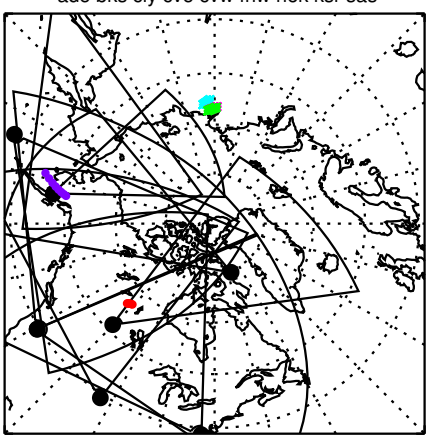


dce hal sps

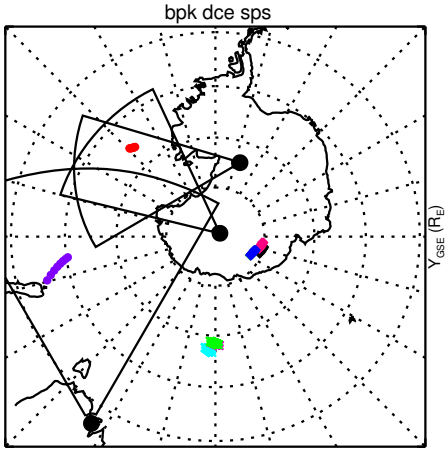


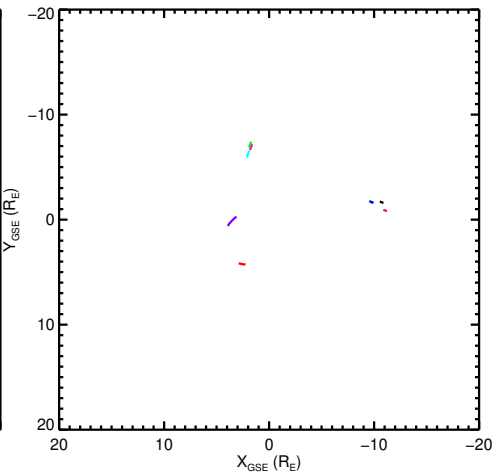


(f) 2320UT to 2355UT
ade bks cly cve cvw fhw hok ksr sas



bpk dce sps

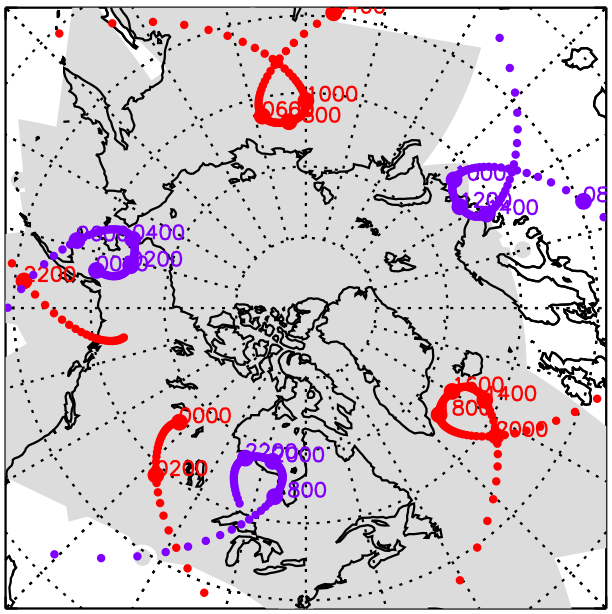


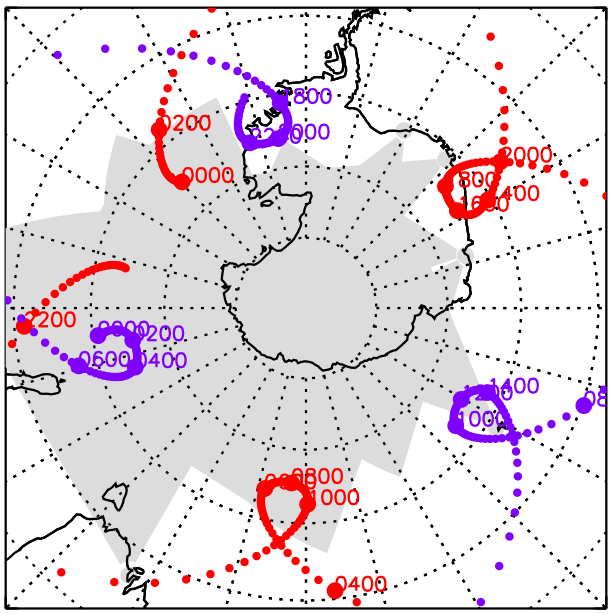


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

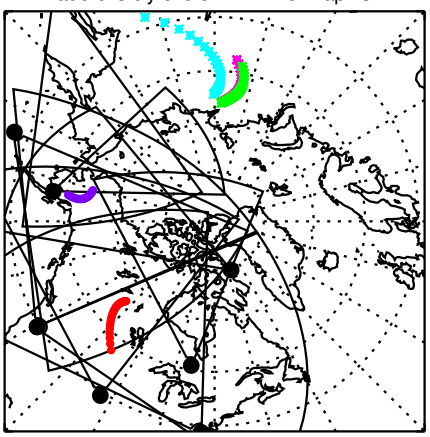
16–Sep–2015

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

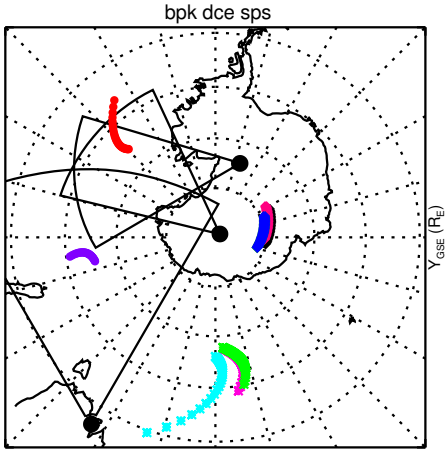


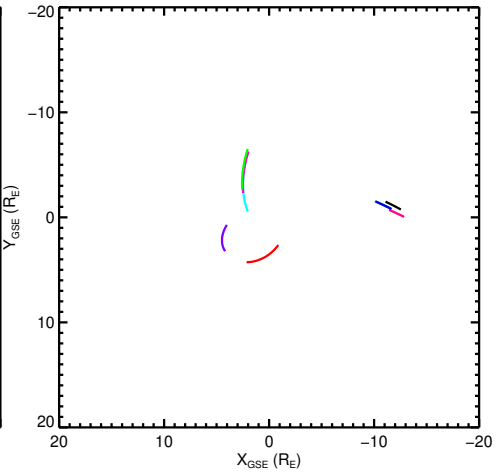


(a) 0000UT to 0210UT
ade bks cly cve cvw fhw hok kap ksr

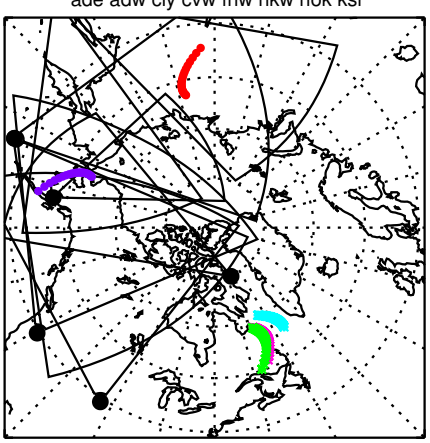


bpk dce sps

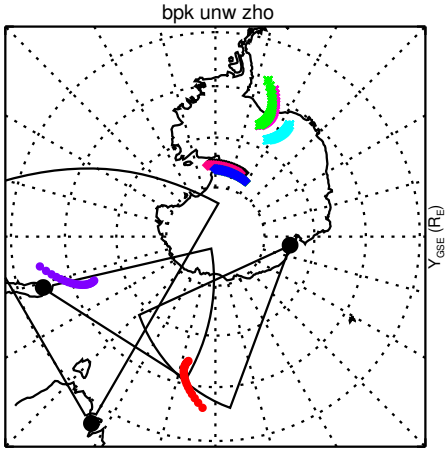


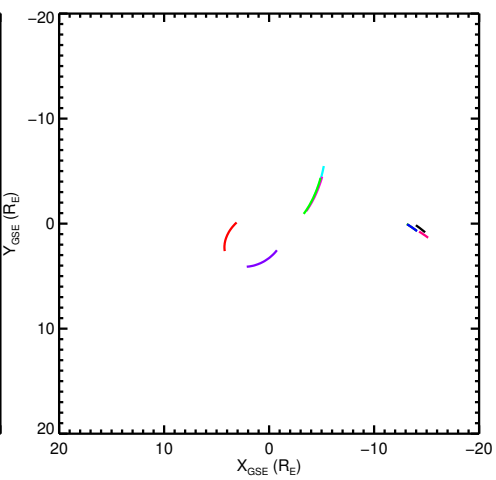


(b) 0420UT to 0615UT
ade adw cly cvw fhw hkw hok ksr

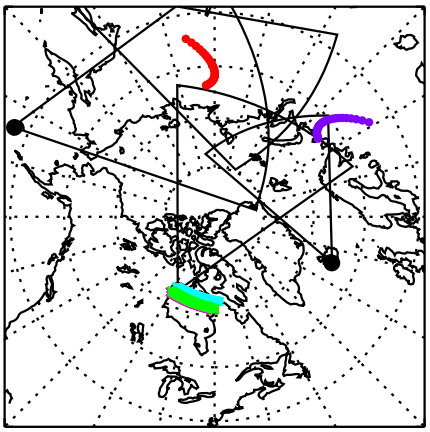


bpk unw zho

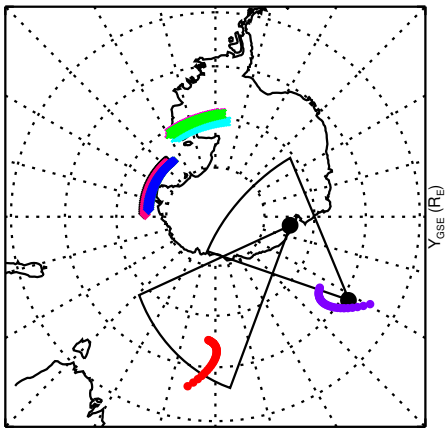


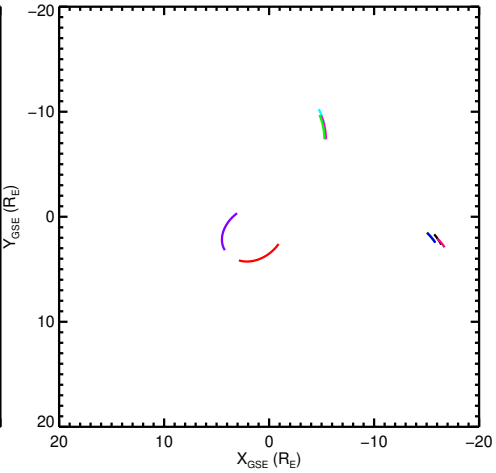


(c) 0820UT to 1110UT
adw hkw pyk rkn

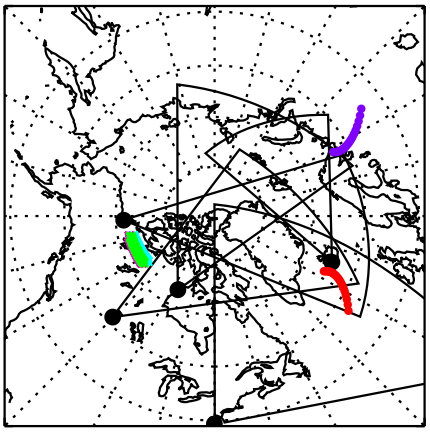


ker zho

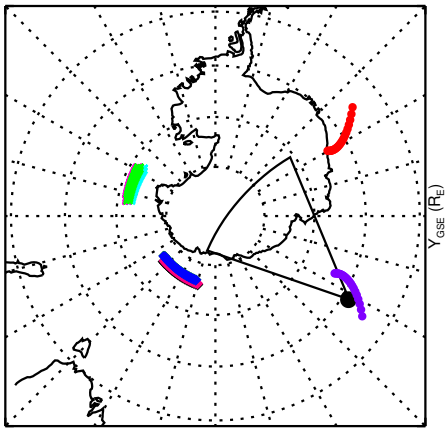


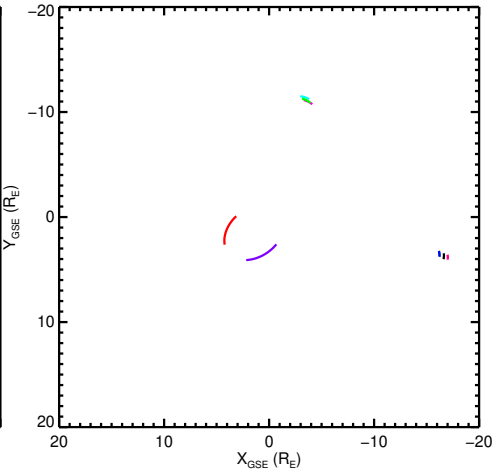


(d) 1320UT to 1515UT
inv pyk rkn sas wal

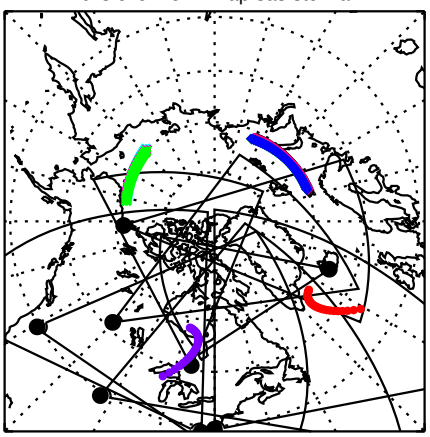


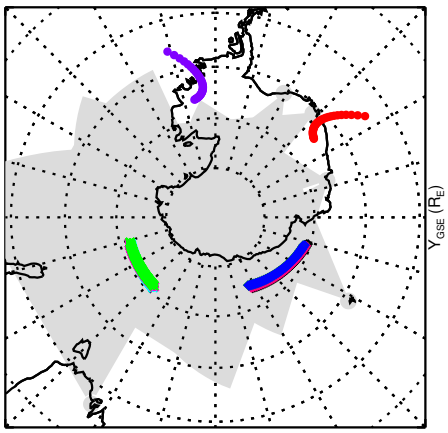
ker

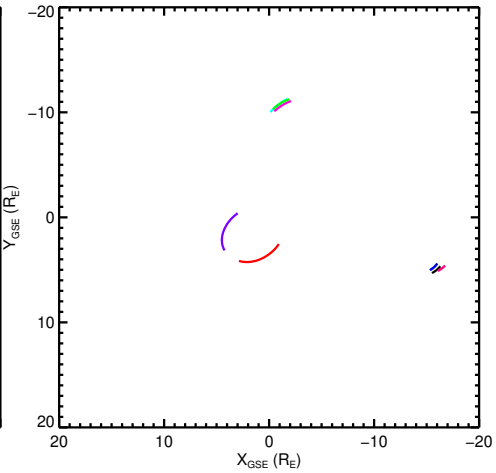




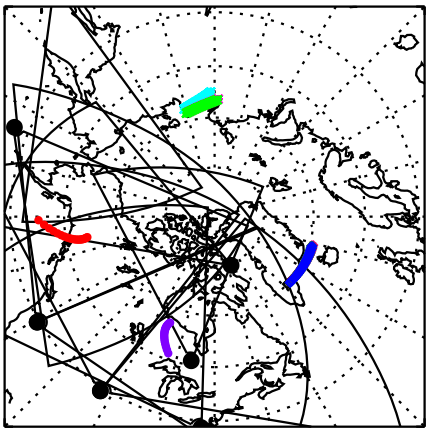
(e) 1720UT to 2010UT
bks cve fhe inv kap sas sto wal



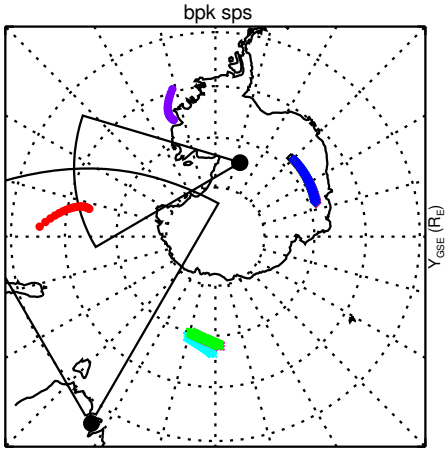


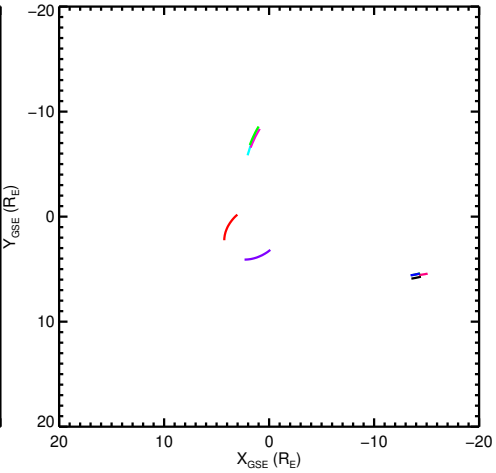


(f) 2215UT to 2355UT
ade bks cly cve cvw fhe fhw hok kap



bpk sps

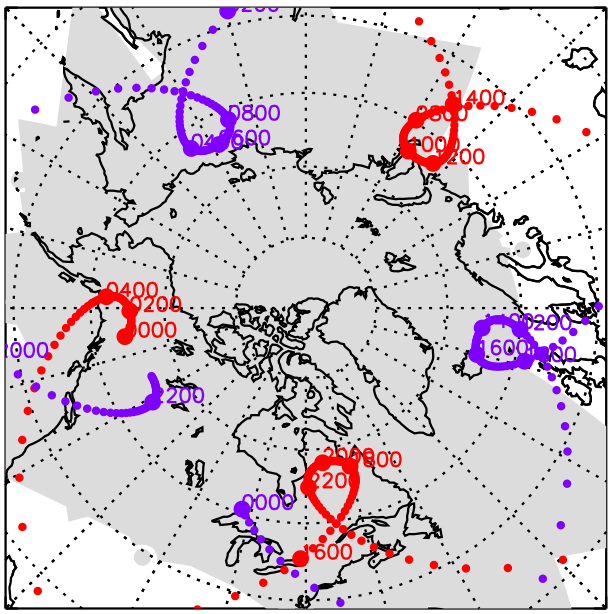


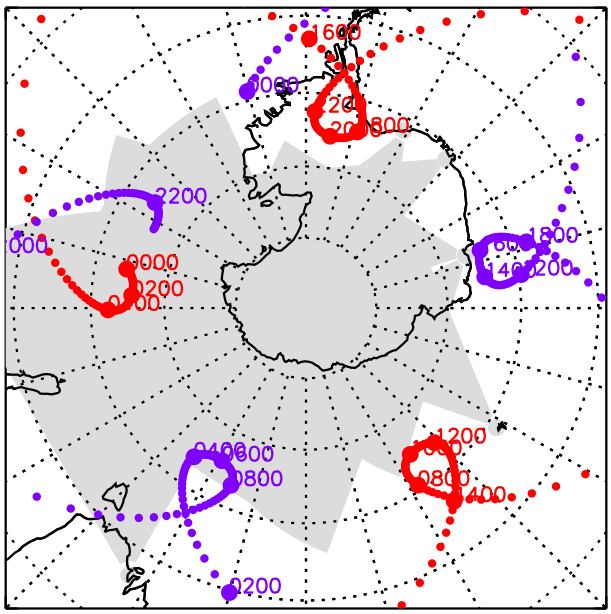


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

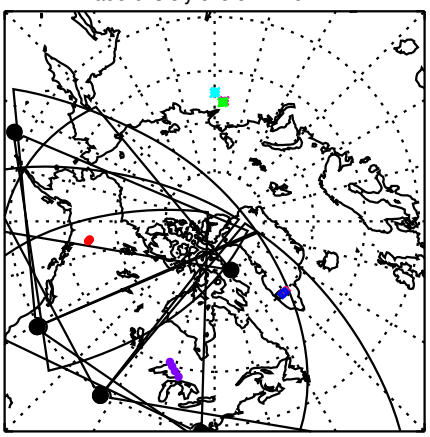
17–Sep–2015

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

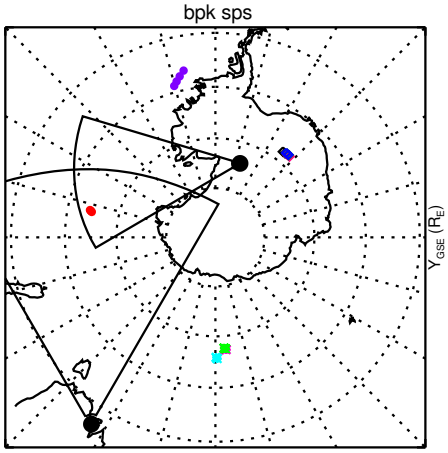


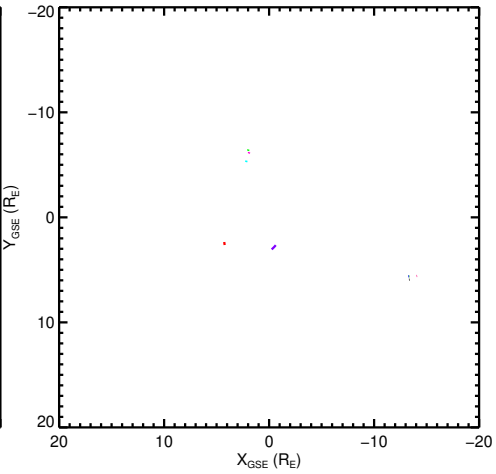


(a) 0000UT to 0015UT
ade bks cly cve cvw fhe fhw

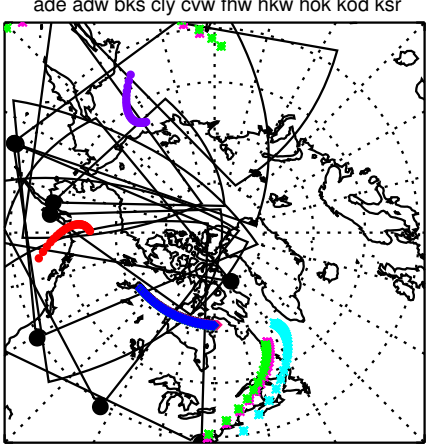


bpk sps

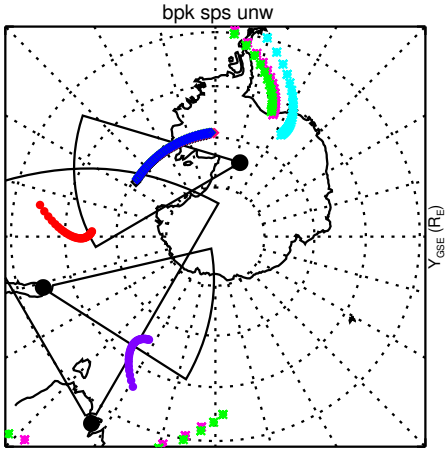


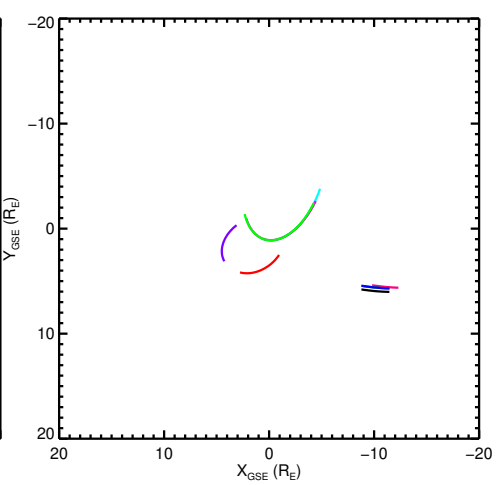


(b) 0225UT to 0510UT
ade adw bks cly cvw fhw hkw hok kod ksr



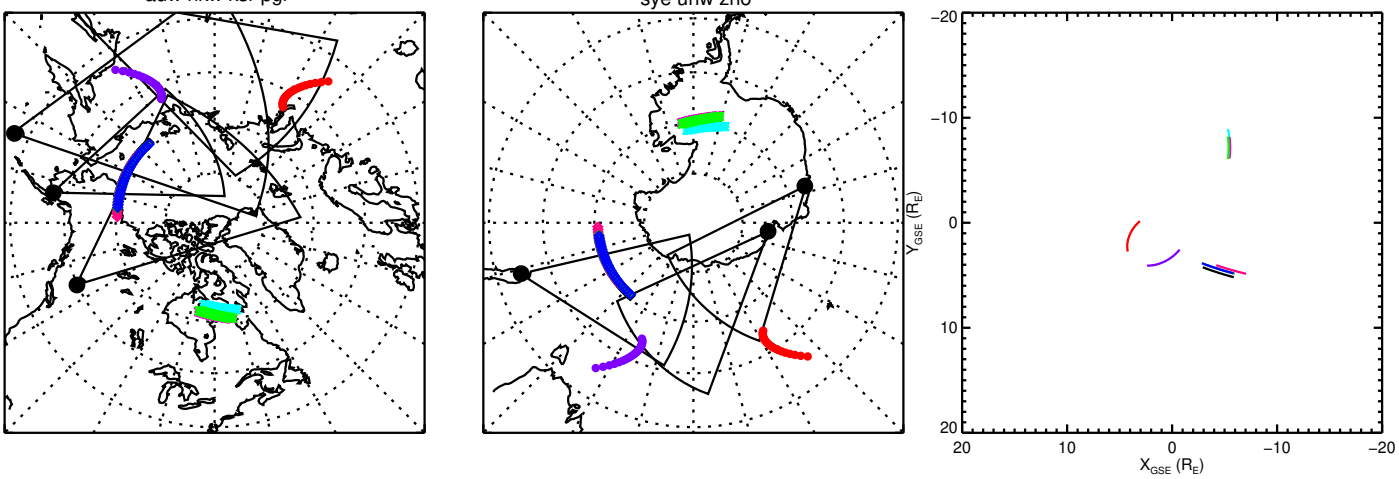
bpk sps unw



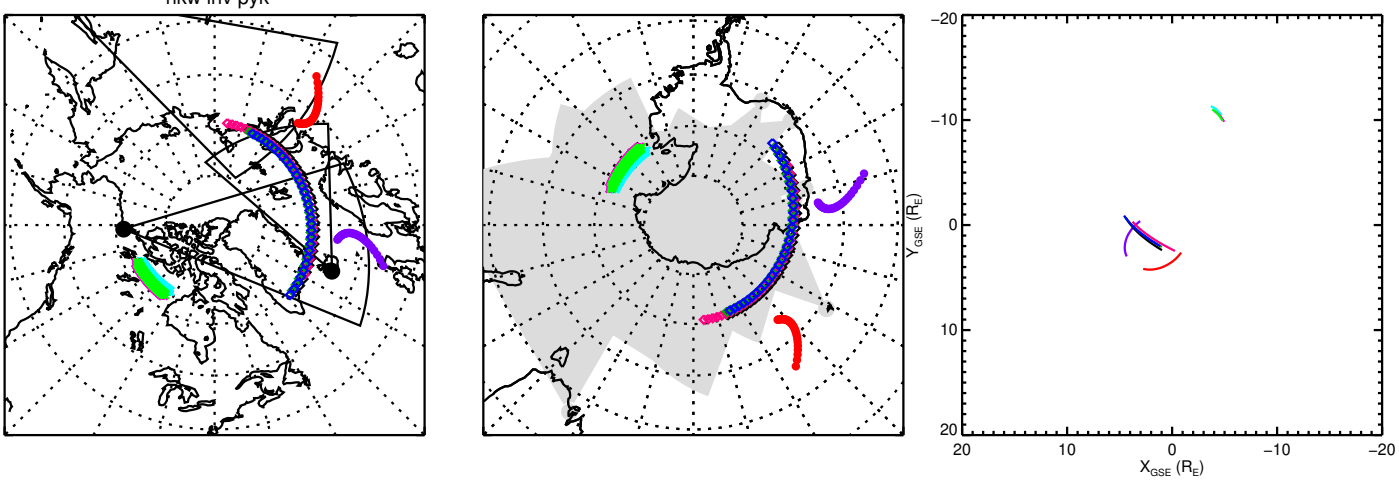


(c) 0715UT to 0920UT
adw hkw ksr pgr

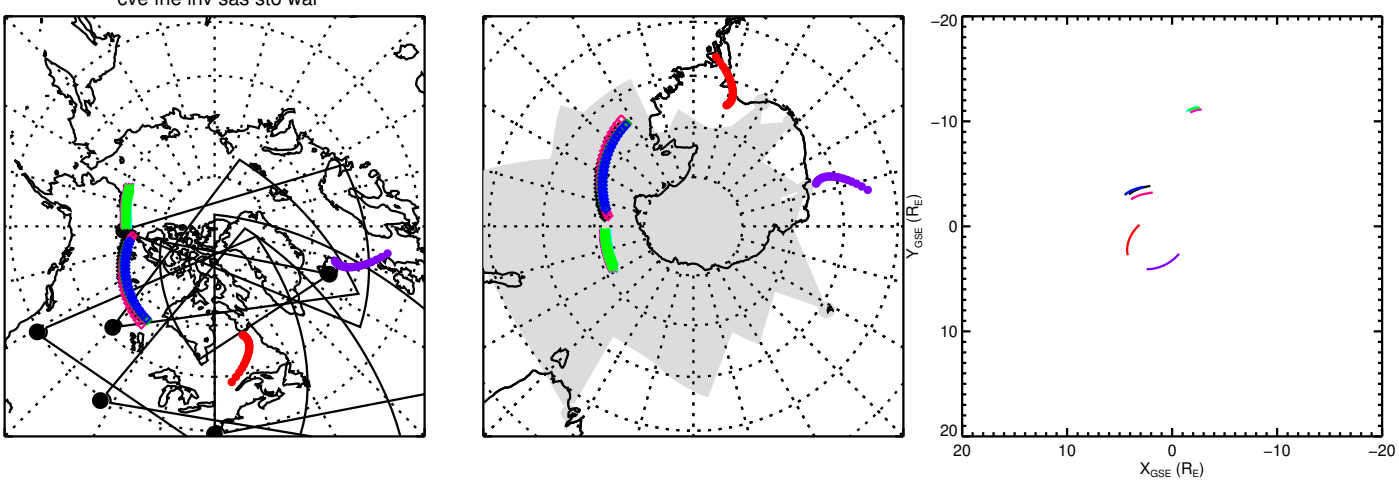
sye unw zho



(d) 1125UT to 1405UT
hkw inv pyk

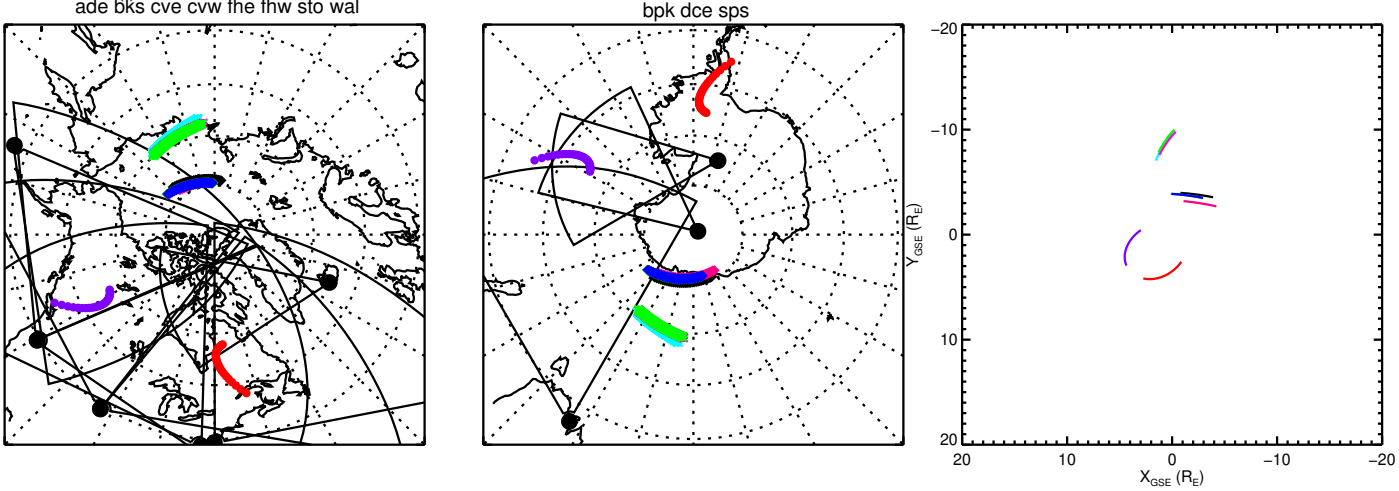


(e) 1615UT to 1820UT
cve fhe inv sas sto wal



(f) 2025UT to 2305UT
ade bks cve cvw fhe fhw sto wal

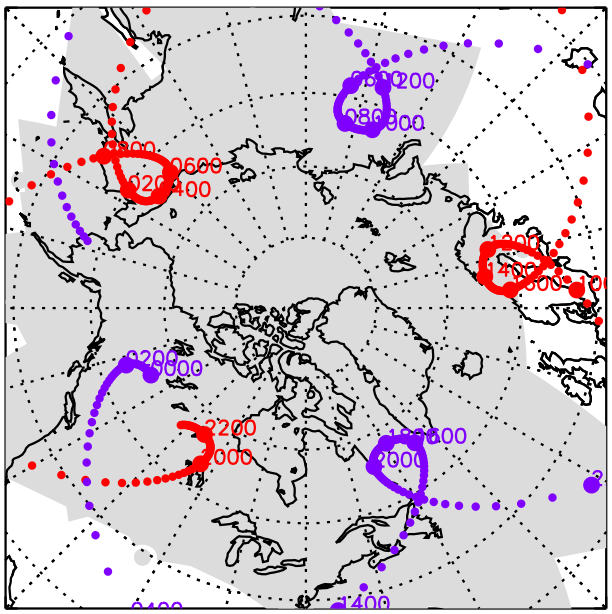
bpk dce sps

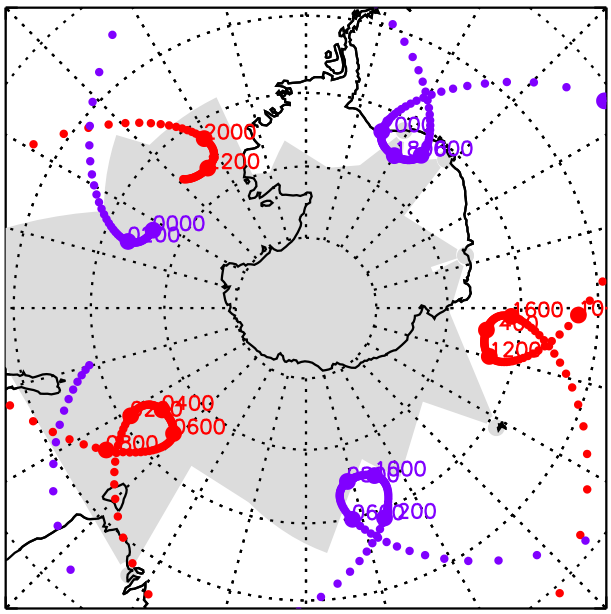


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

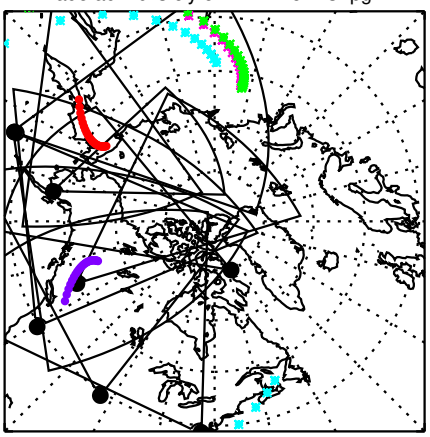
18–Sep–2015

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

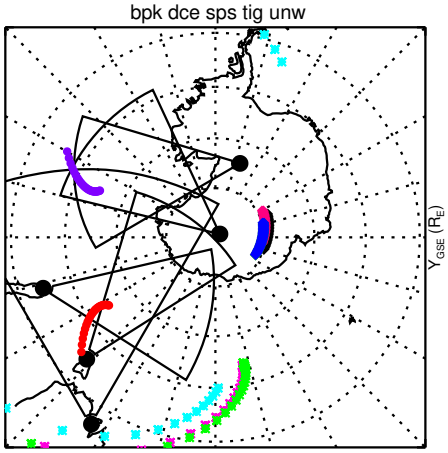


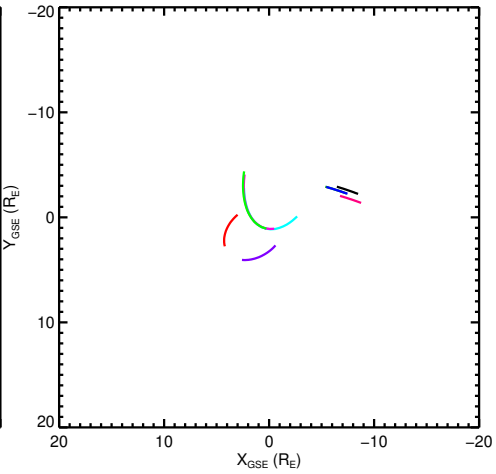


(a) 0110UT to 0320UT
ade adw bks cly cvw fhw hok ksr pgr

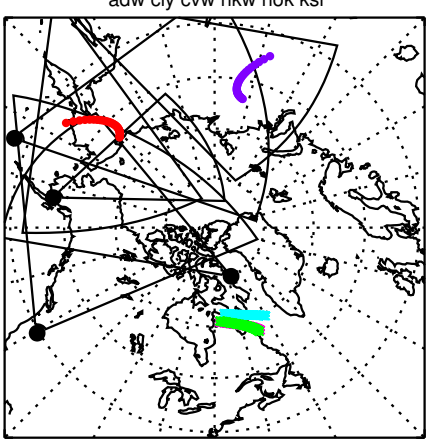


bpk dce sps tig unw

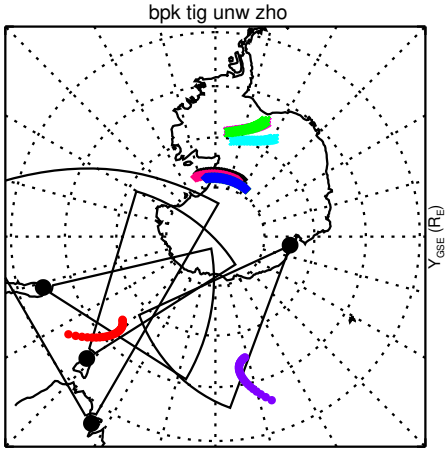


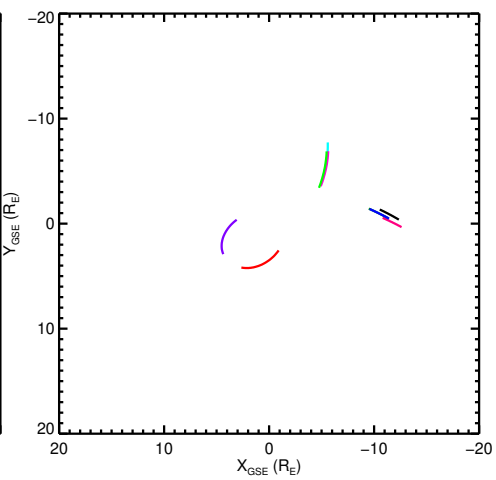


(b) 0530UT to 0805UT
adw cly cvw hkw hok ksr

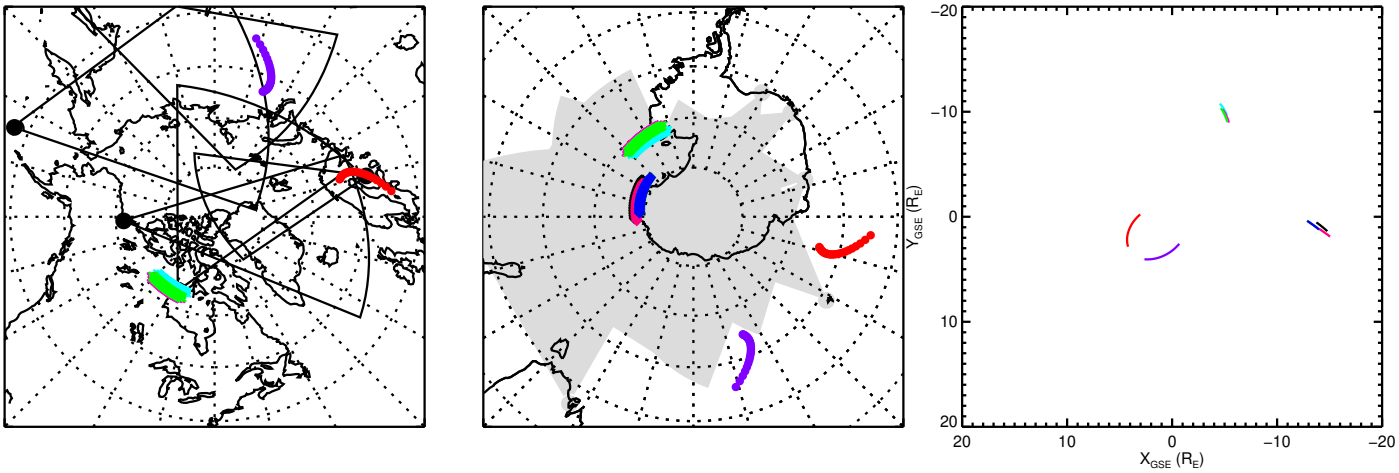


bpk tig unw zho



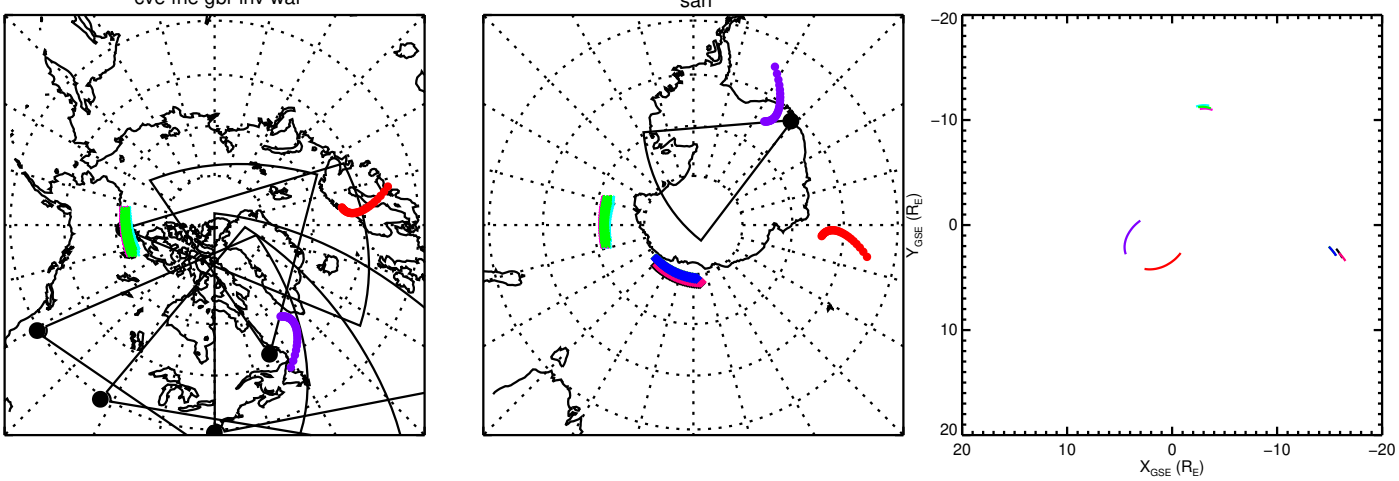


(c) 1010UT to 1225UT
adw han hkw inv rkn



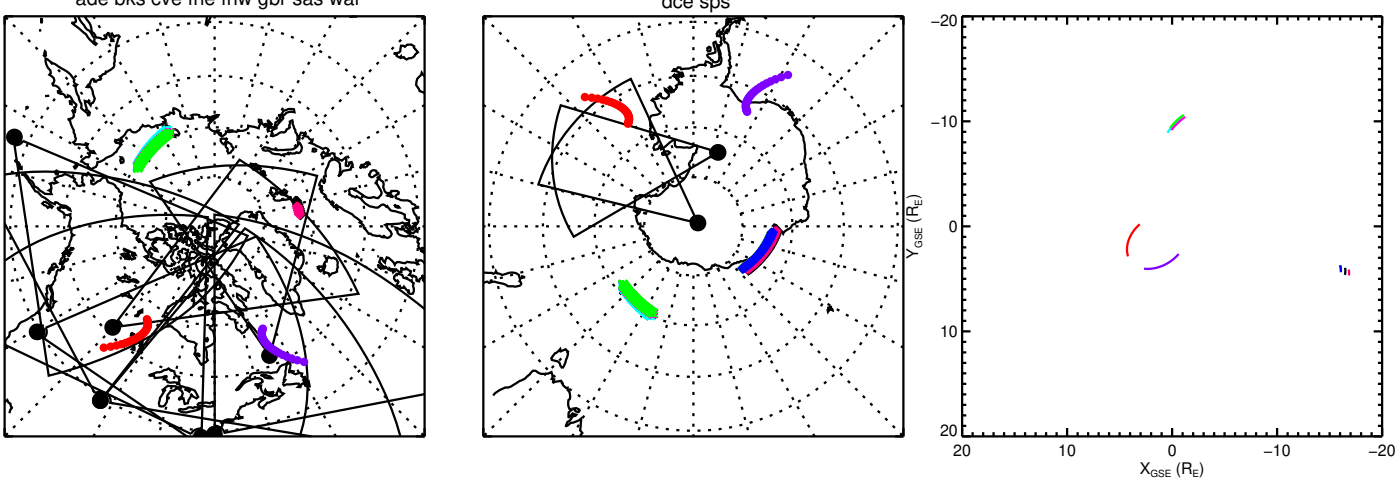
(d) 1430UT to 1700UT
cve fhe gbr inv wal

san



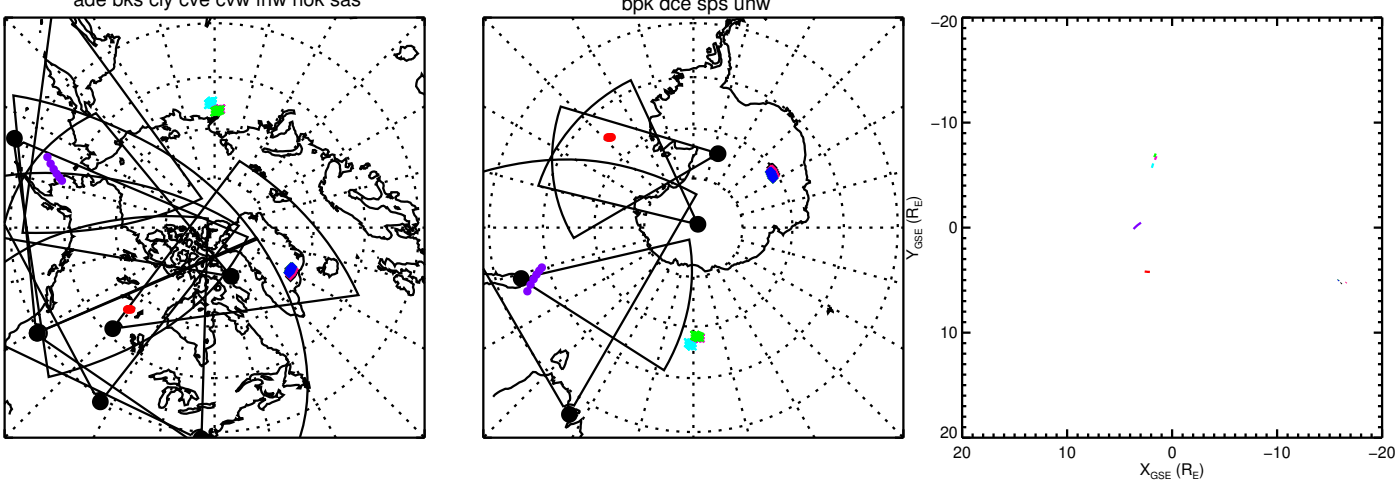
(e) 1910UT to 2125UT
ade bks cve fhe fhw gbr sas wal

dce sps



(f) 2330UT to 2355UT
ade bks cly cve cvw fhw hok sas

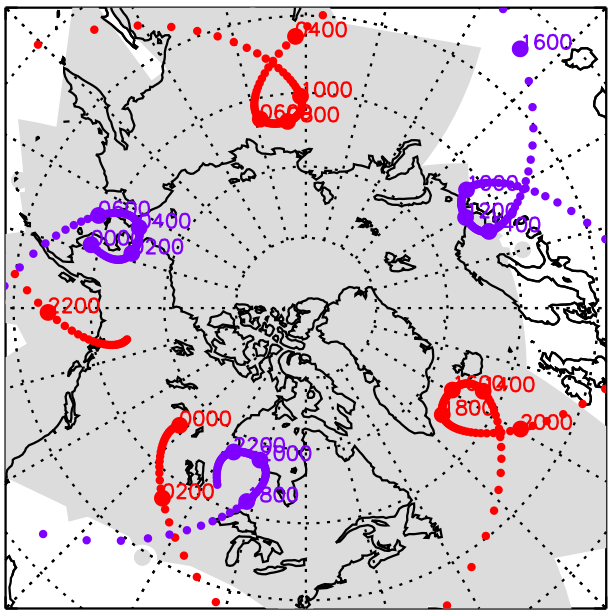
bpk dce sps unw

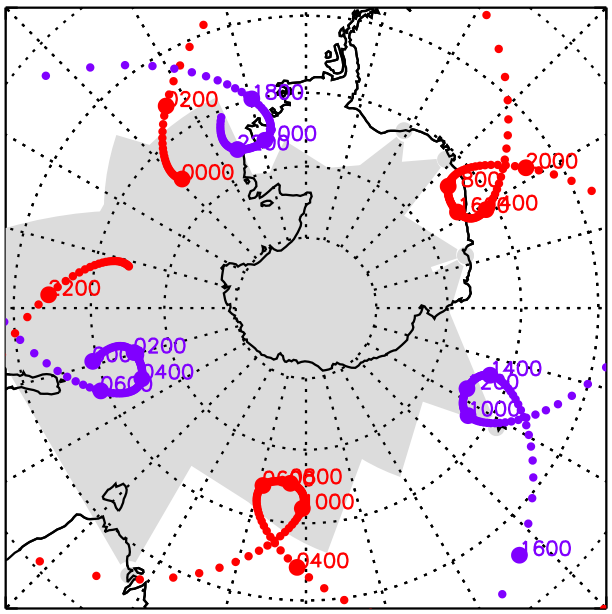


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

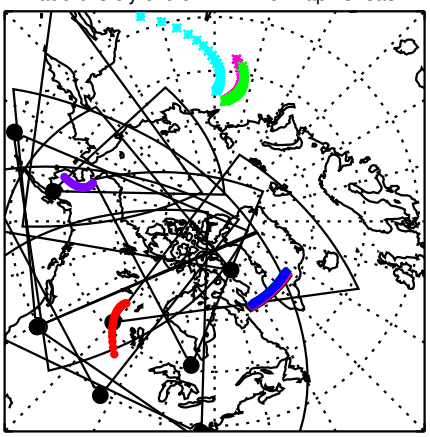
19–Sep–2015

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

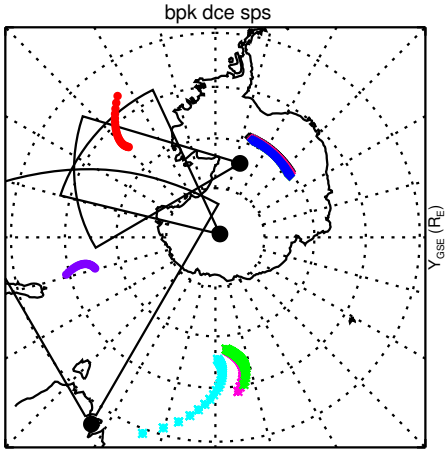


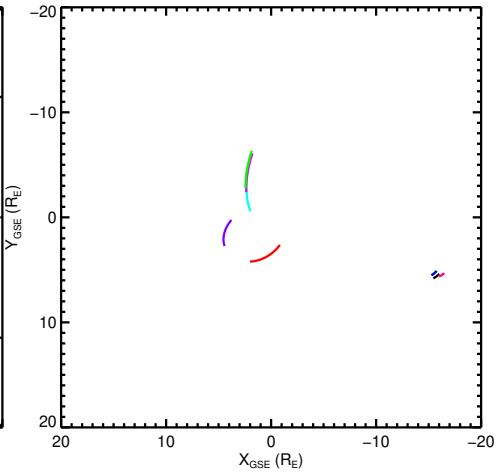


(a) 0000UT to 0200UT
ade bks cly cve cvw fhw hok kap ksr sas

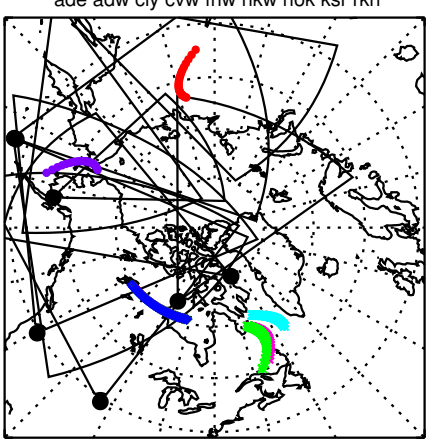


bpk dce sps

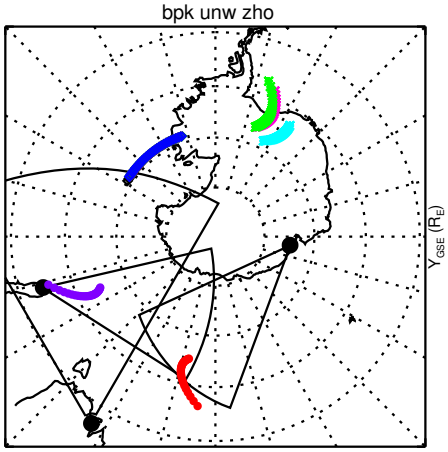


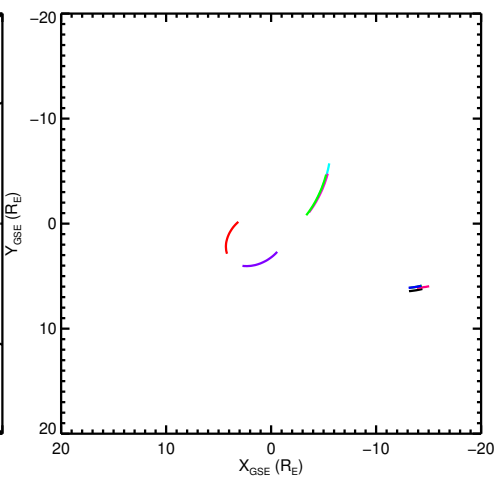


(b) 0410UT to 0625UT
ade adw cly cvw fhw hkw hok ksr rkn

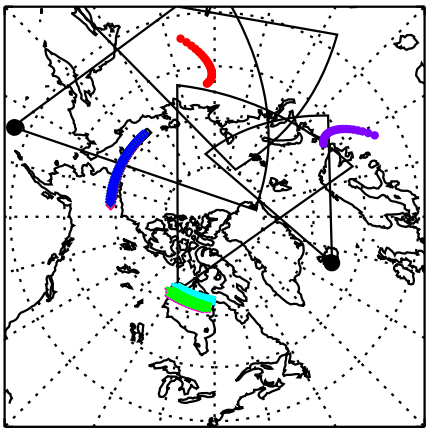


bpk unw zho

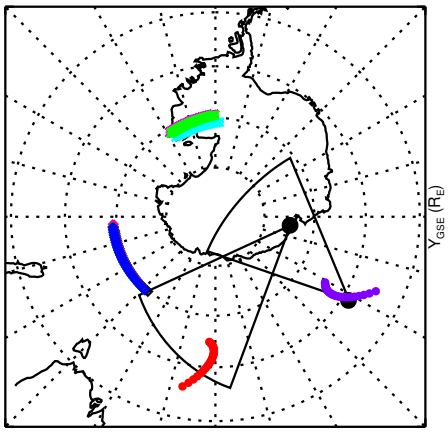


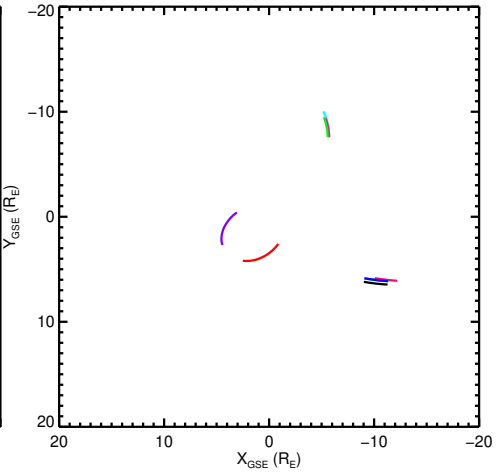


(c) 0835UT to 1100UT
adw hkw pyk rkn

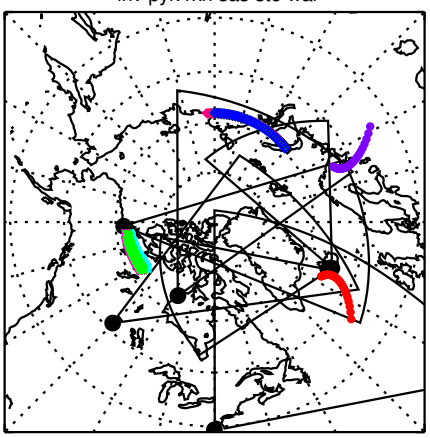


ker zho

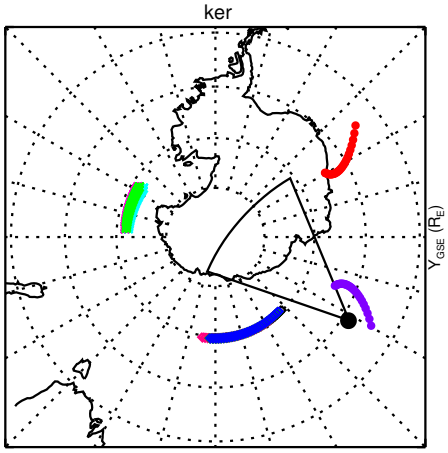


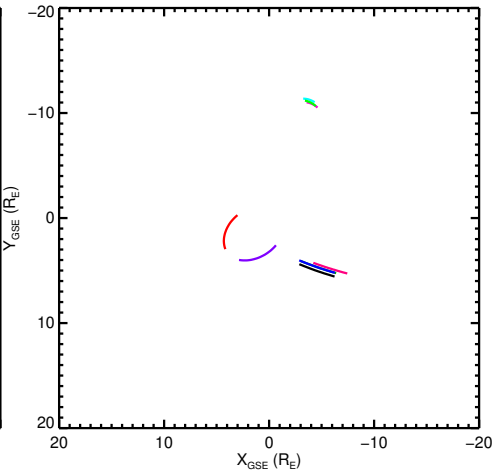


(d) 1305UT to 1530UT
inv pyk rkn sas sto wal

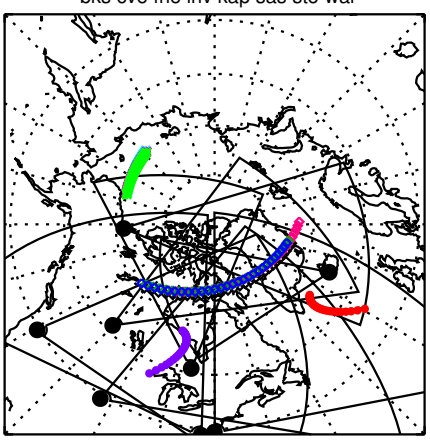


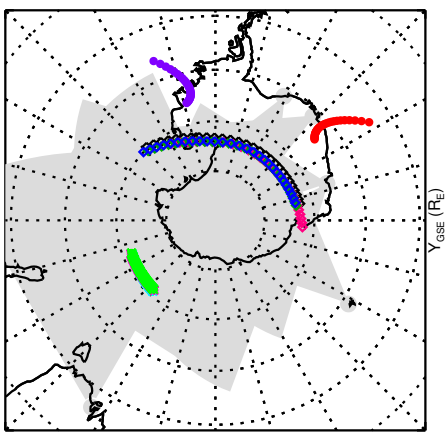
ker

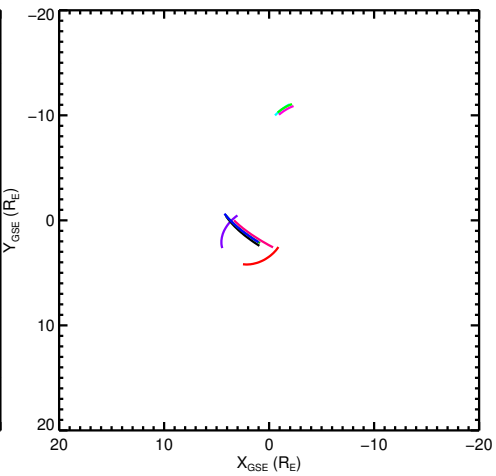




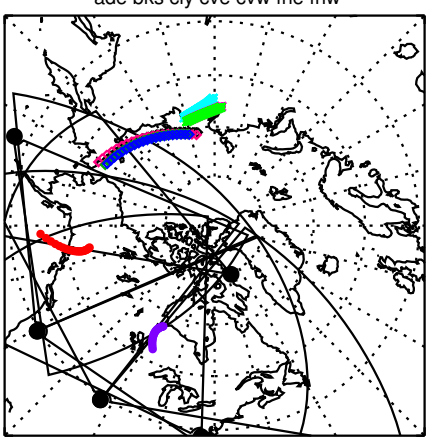
(e) 1735UT to 2000UT
bks cve fhe inv kap sas sto wal



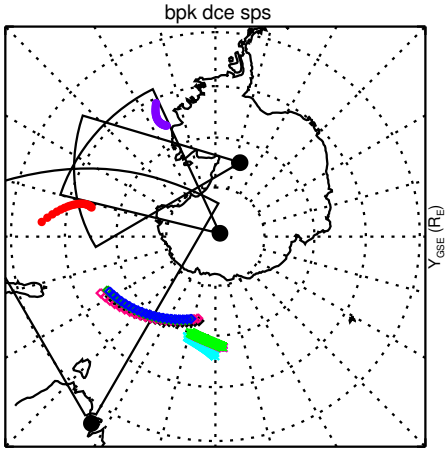


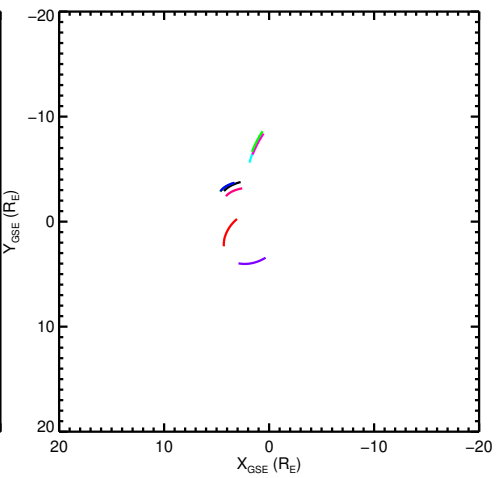


(f) 2205UT to 2355UT
ade bks cly cve cvw fhe fhw



bpk dce sps

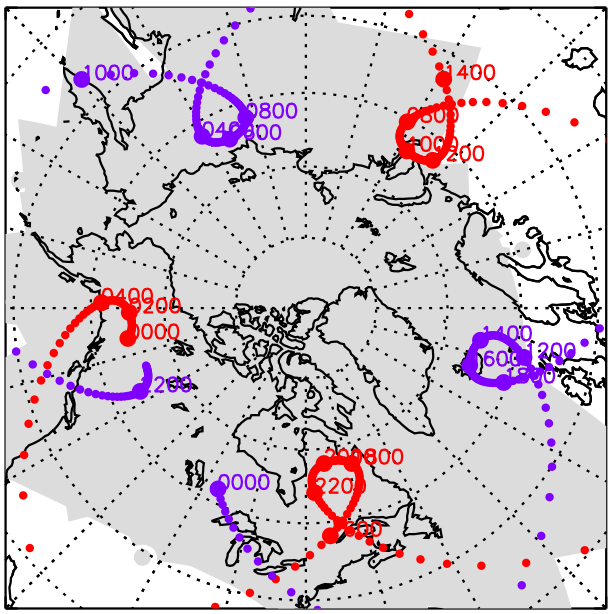


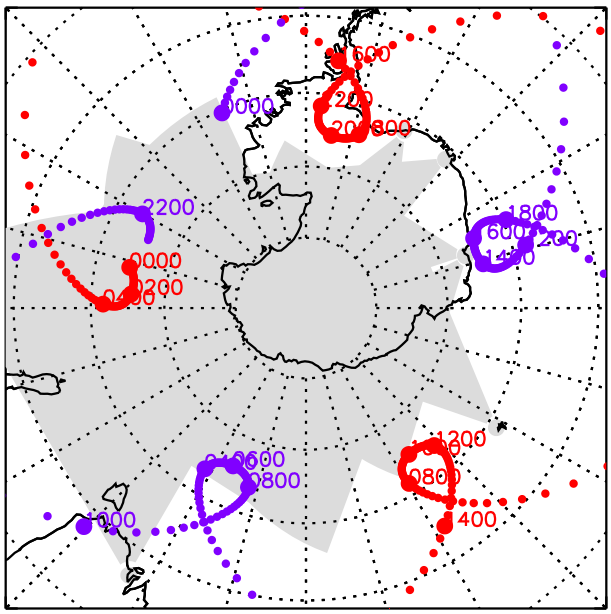


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

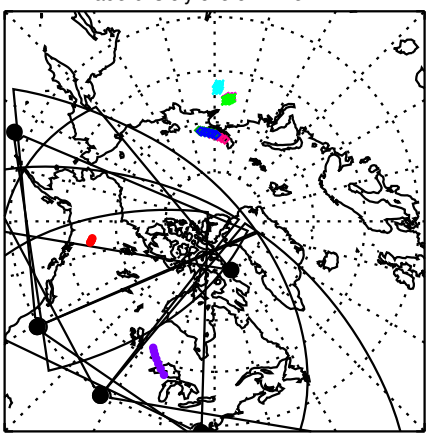
20–Sep–2015

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

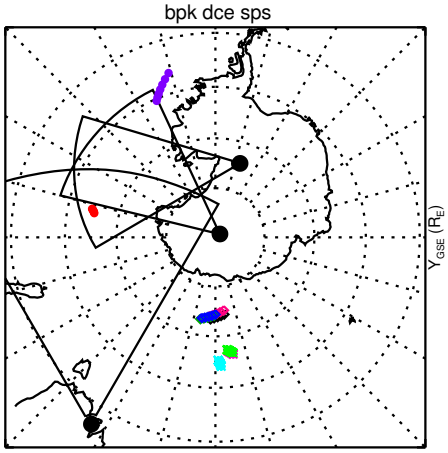


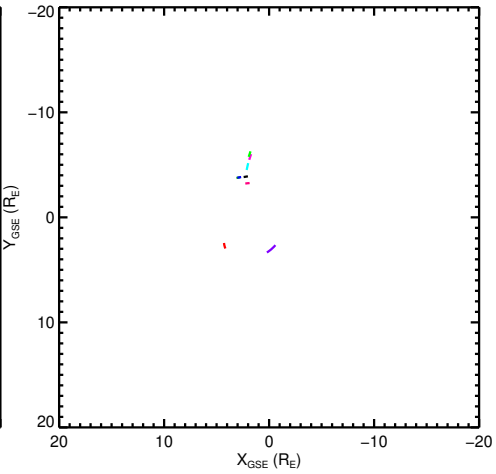


(a) 0000UT to 0030UT
ade bks cly cve cvw fhe fhw

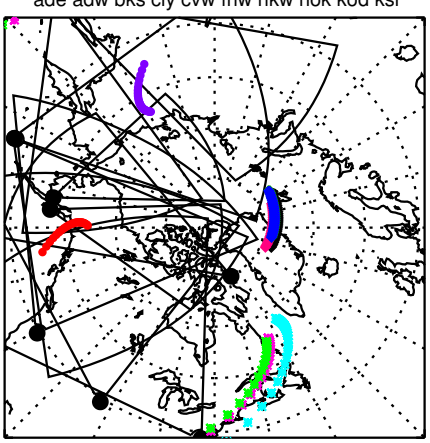


bpk dce sps

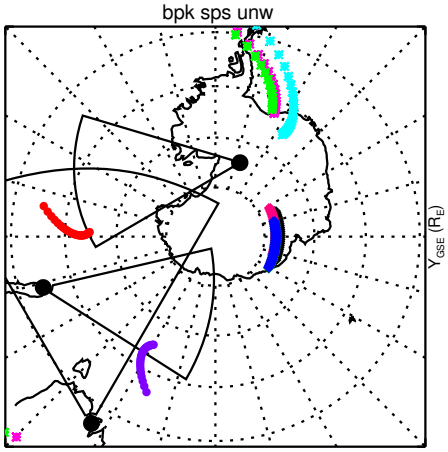


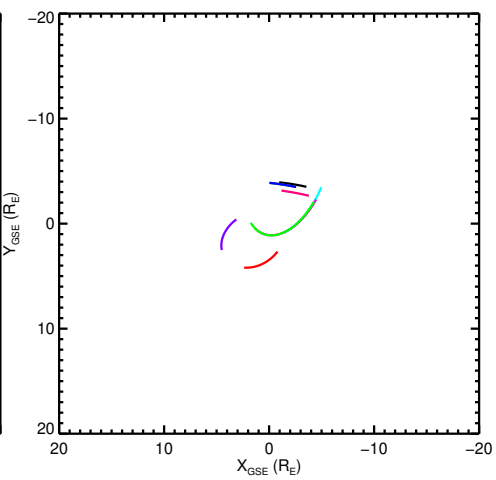


(b) 0240UT to 0455UT
ade adw bks cly cvw fhw hkw hok kod ksr



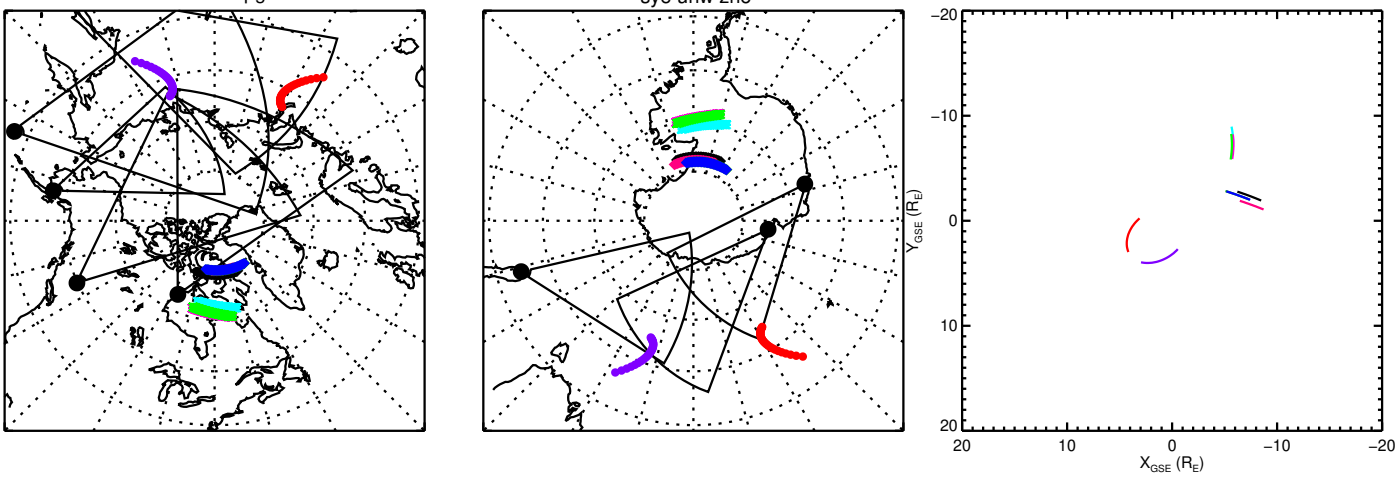
bpk sps unw



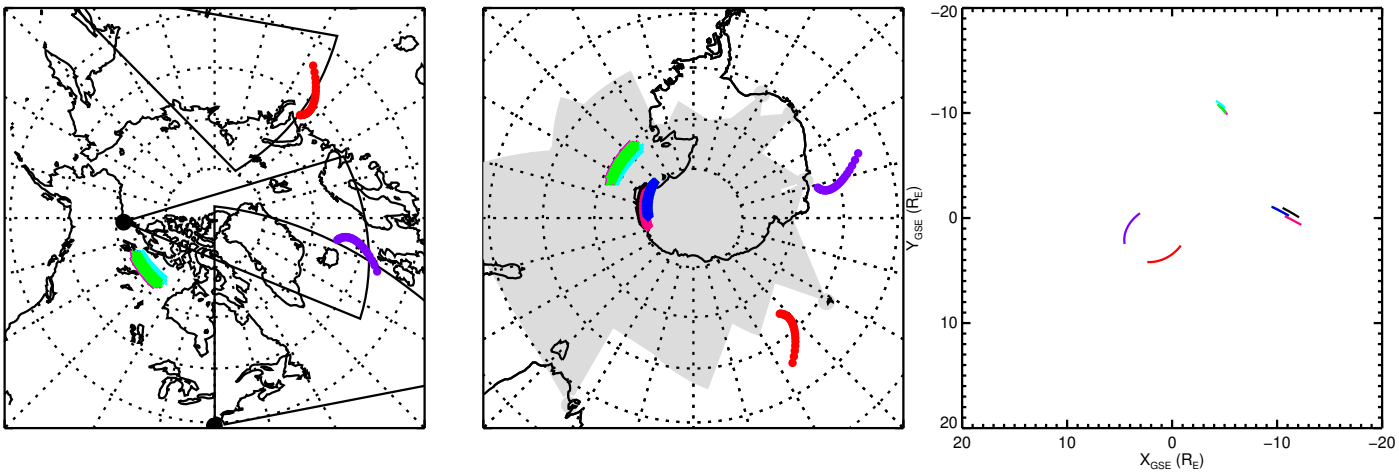


(c) 0705UT to 0930UT
adw hkw ksr pgr rkn

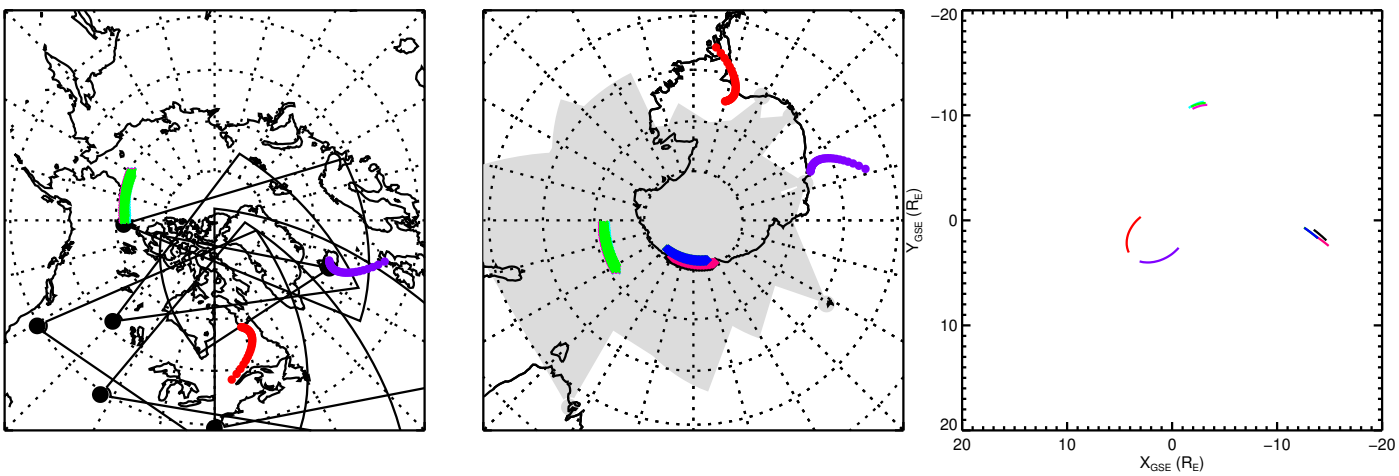
sye unw zho



(d) 1140UT to 1355UT
hkw inv wal

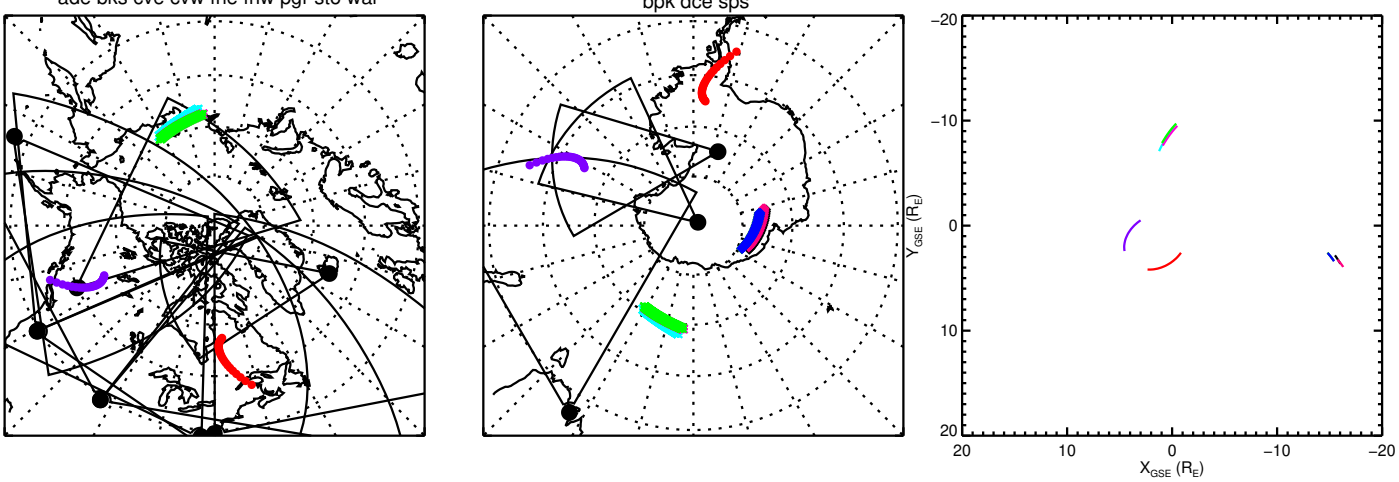


(e) 1600UT to 1835UT
cve fhe inv sas sto wal



(f) 2040UT to 2255UT
ade bks cve cvw fhe fhw pgr sto wal

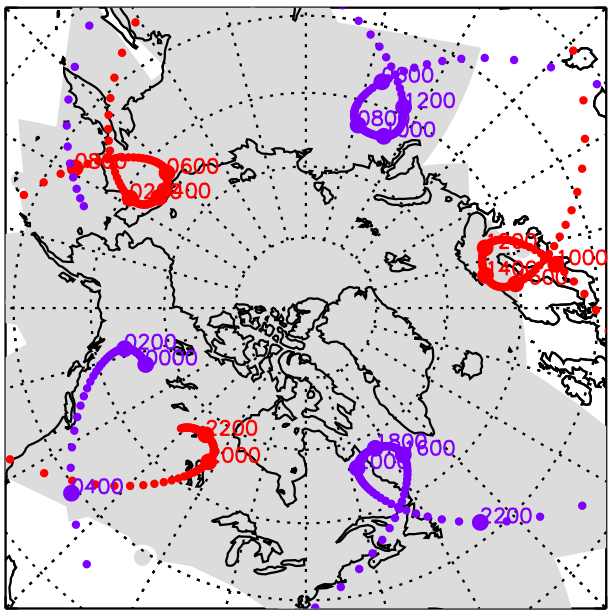
bpk dce sps

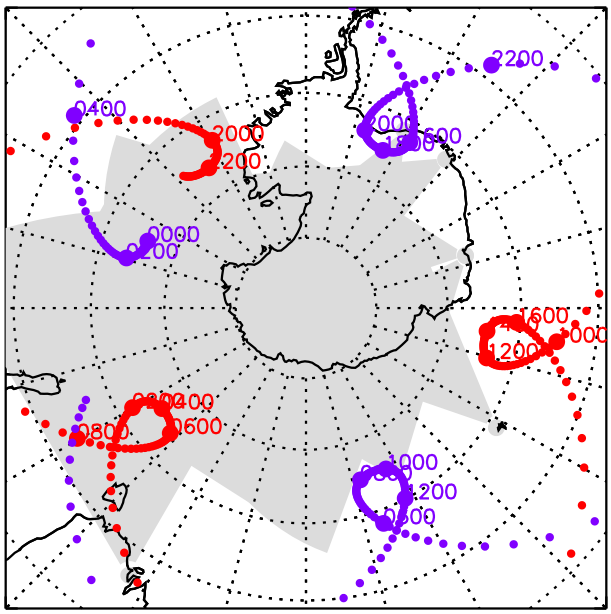


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

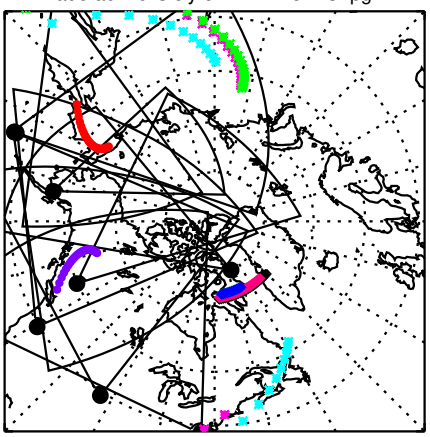
21−Sep−2015

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

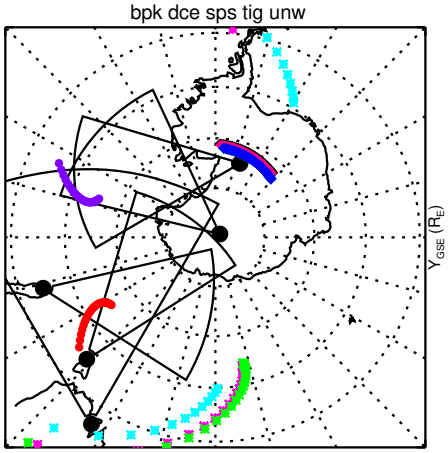


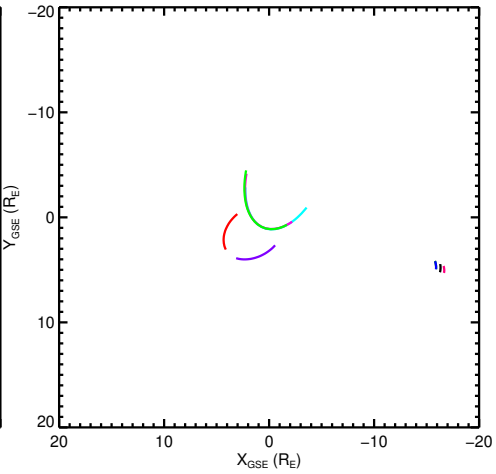


(a) 0100UT to 0335UT
ade adw bks cly cvw fhw hok ksr pgr

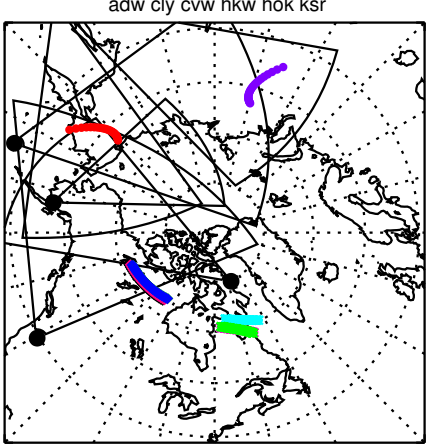


bpk dce sps tig unw

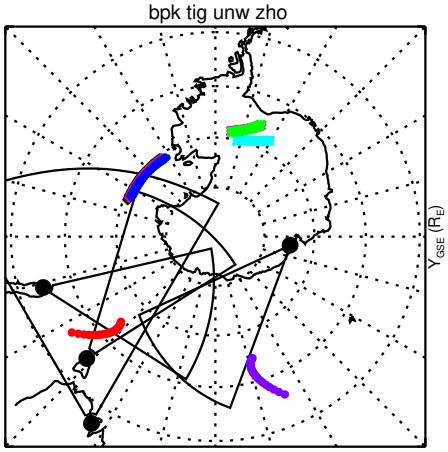


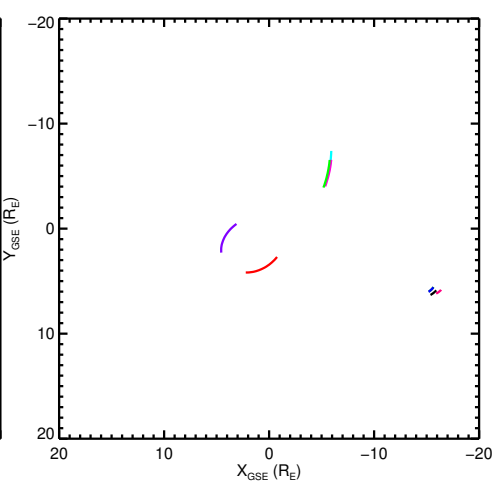


(b) 0545UT to 0750UT
adw cly cvw hkw hok ksr

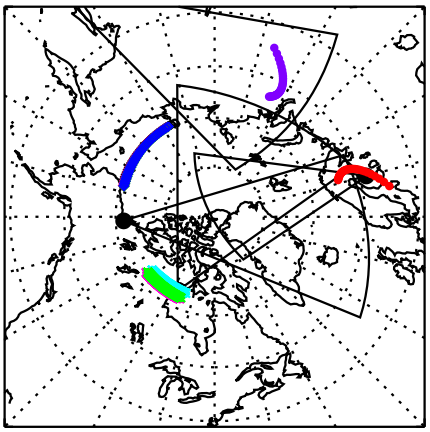


bpk tig unw zho

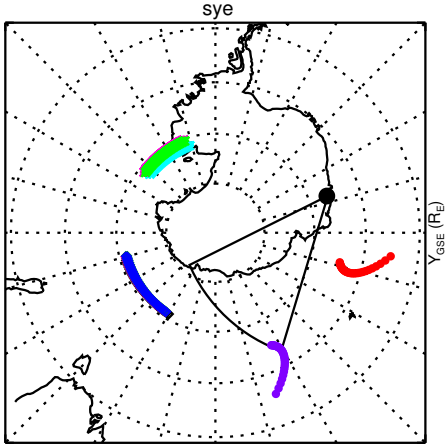


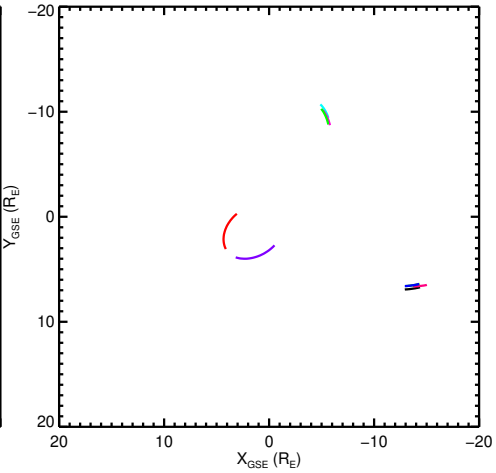


(c) 1000UT to 1235UT
han hkw inv rkn

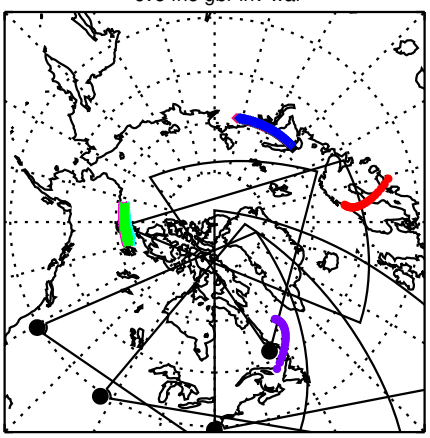


sye

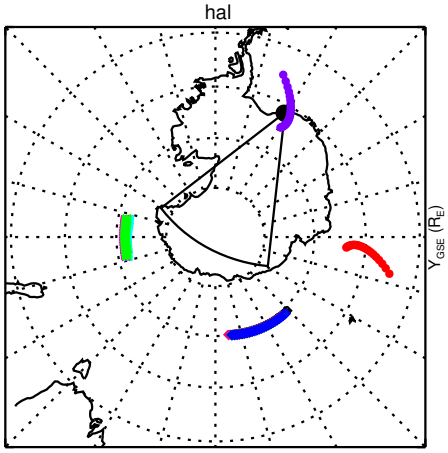


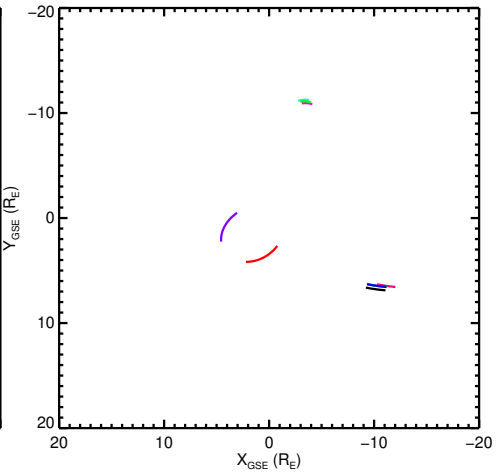


(d) 1445UT to 1650UT
cve fhe gbr inv wal

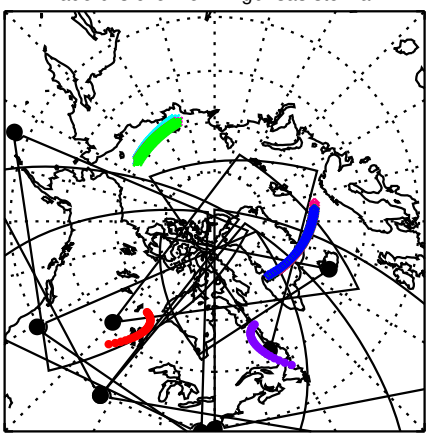


hal

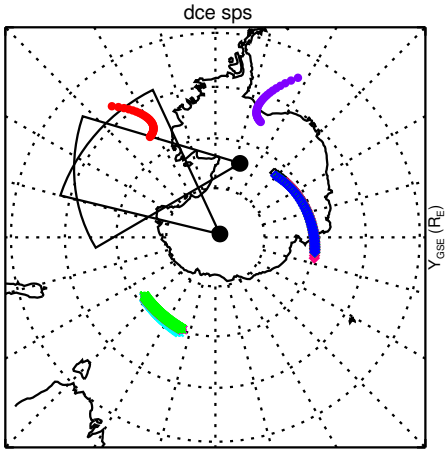


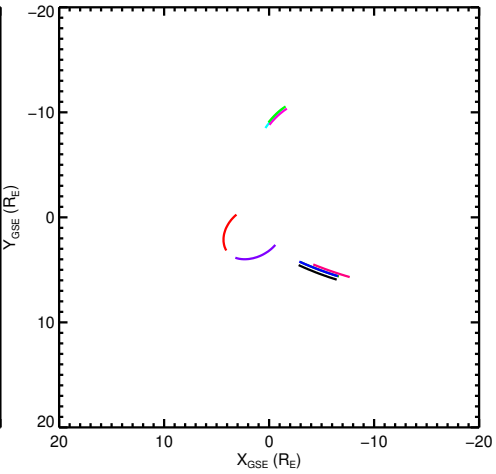


(e) 1900UT to 2140UT
ade bks cve fhe fhw gbr sas sto wal

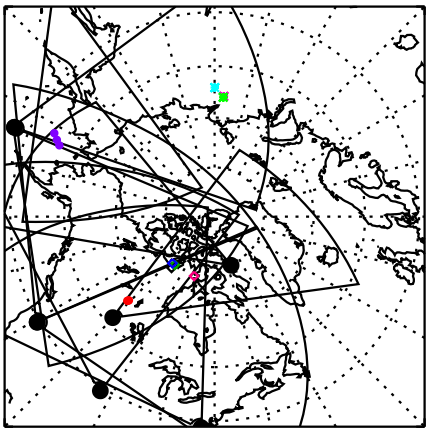


dce sps

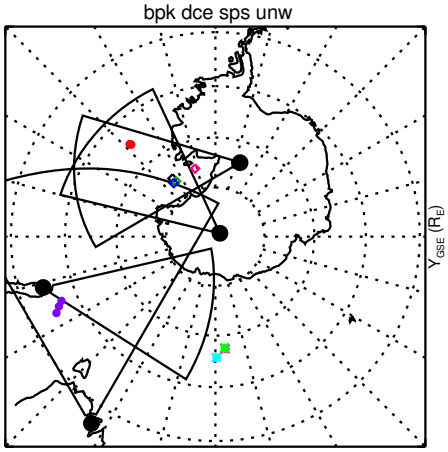


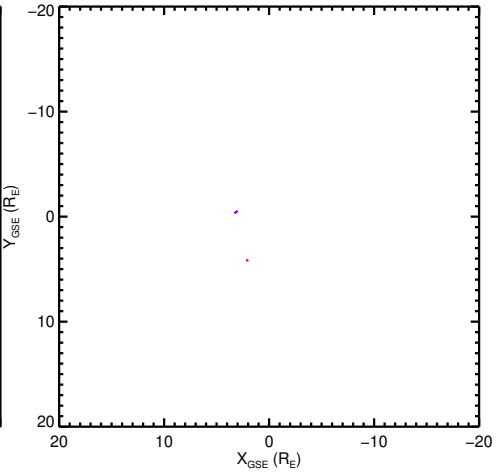


(f) 2345UT to 2355UT
ade adw bks cly cve cvw fhw hok sas



bpk dce sps unw

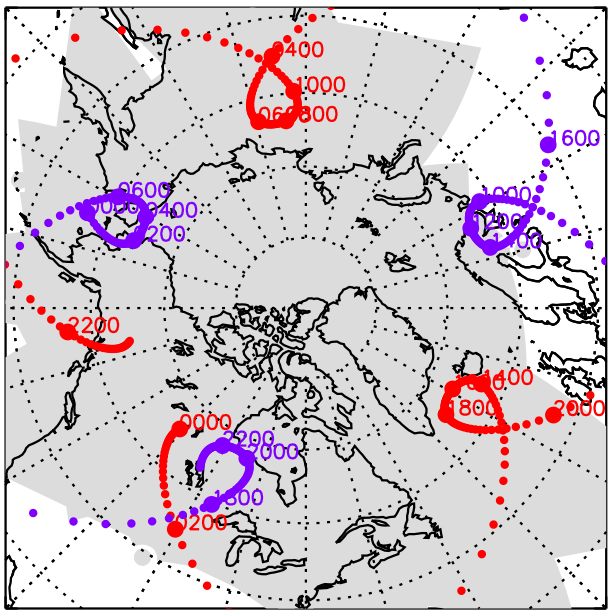


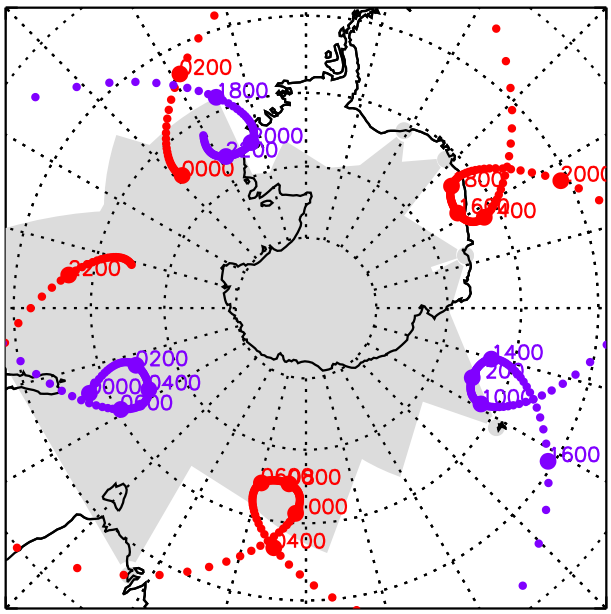


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

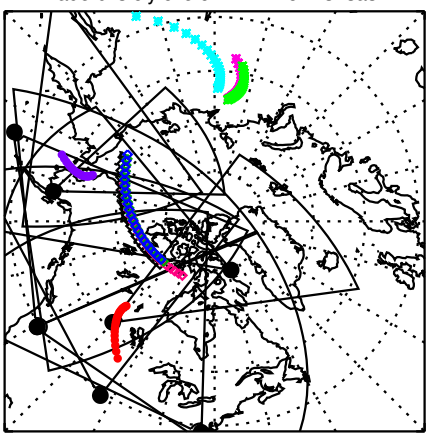
22–Sep–2015

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

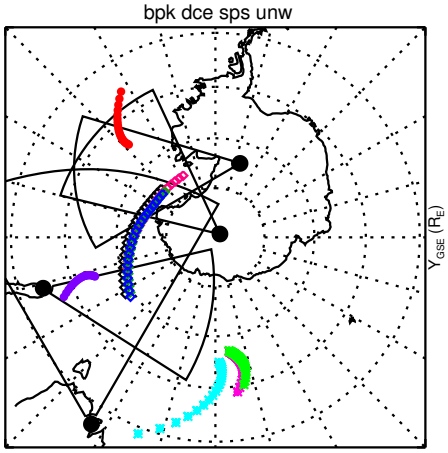


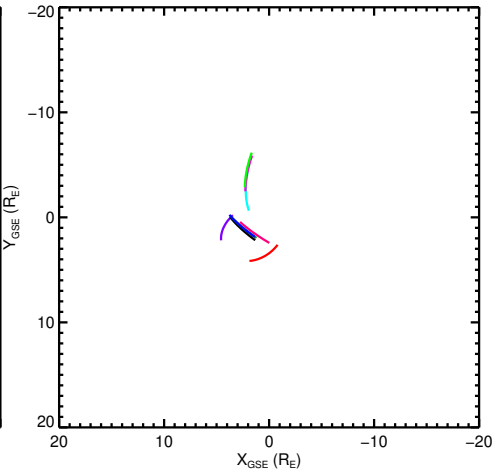


(a) 0000UT to 0150UT
ade bks cly cve cvw fhw hok ksr sas

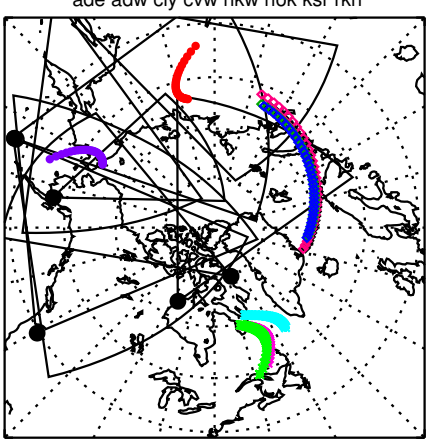


bpk dce sps unw

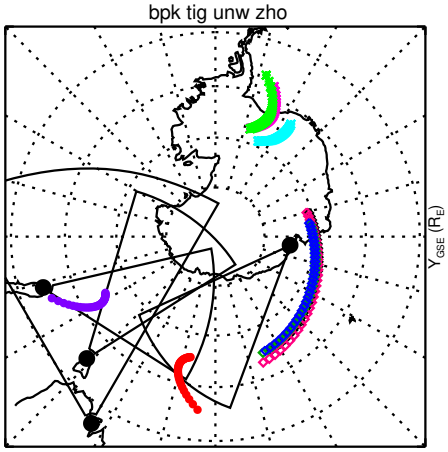


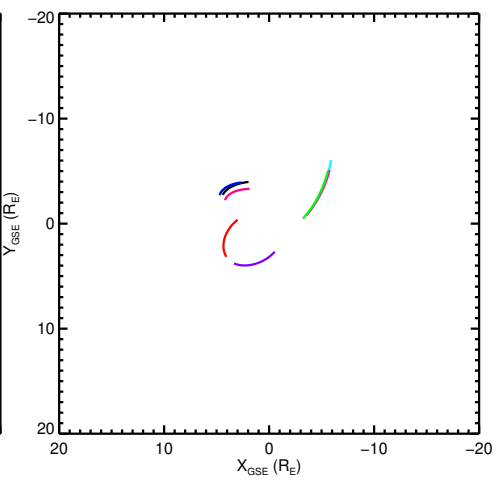


(b) 0355UT to 0640UT
ade adw cly cvw hkw hok ksr rkn

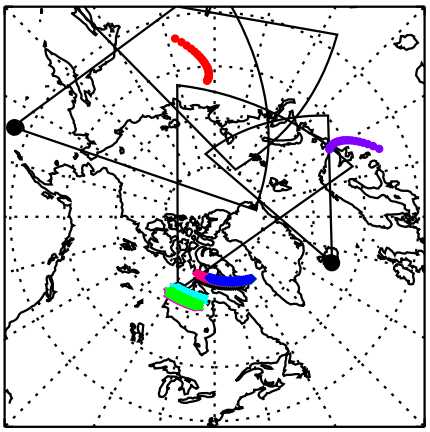


bpk tig unw zho

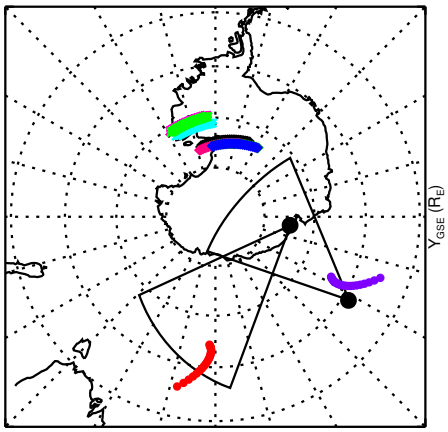


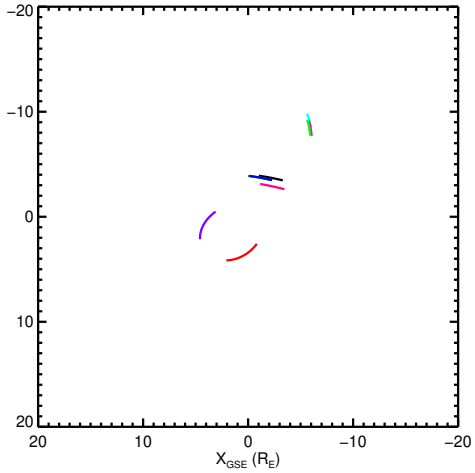


(c) 0850UT to 1050UT
adw hkw pyk rkn

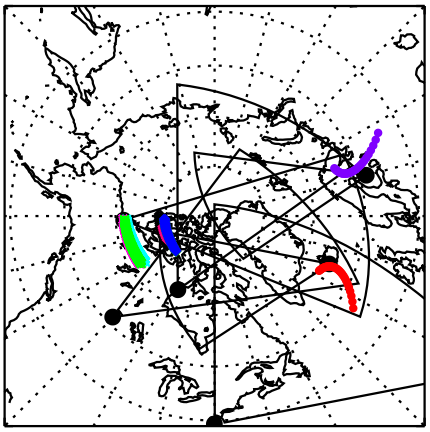


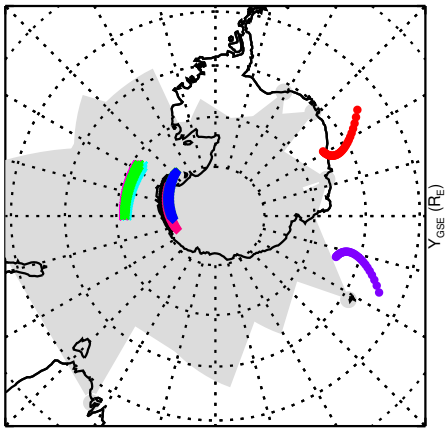
ker zho

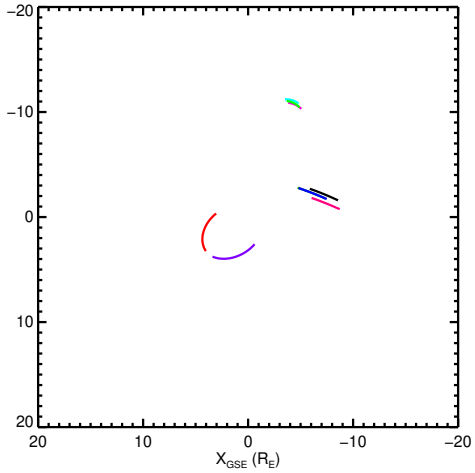




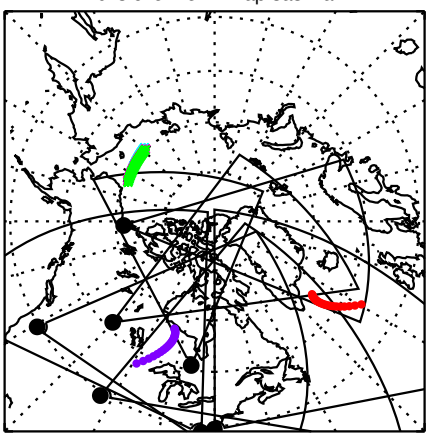
(d) 1255UT to 1545UT
han inv rkn sas sto wal



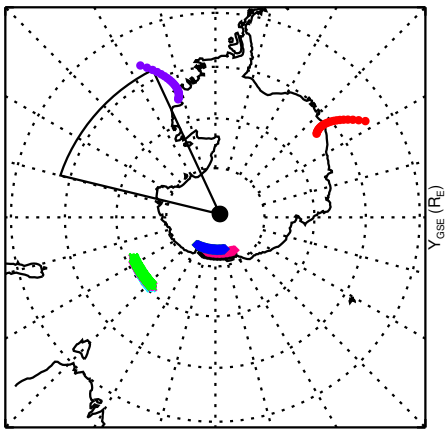


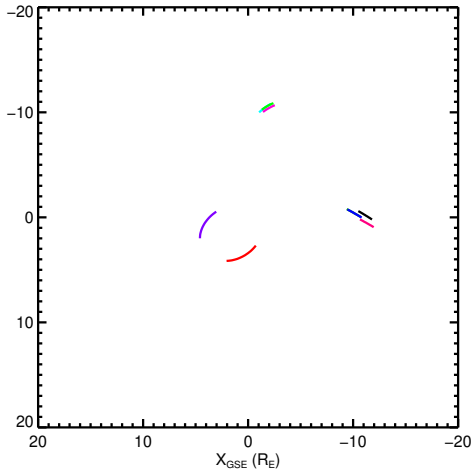


(e) 1750UT to 1945UT
bks cve fhe inv kap sas wal

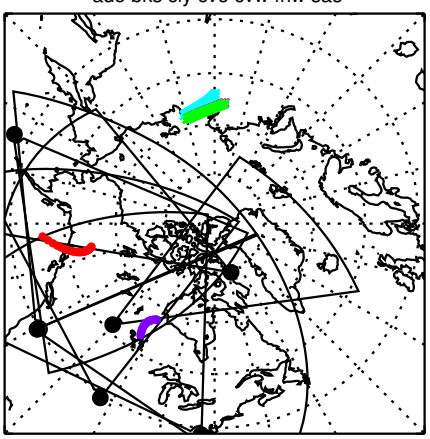


dce

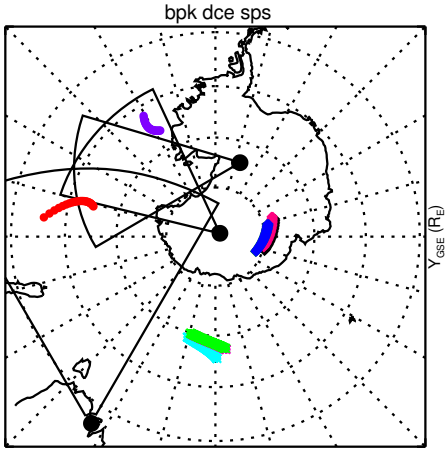


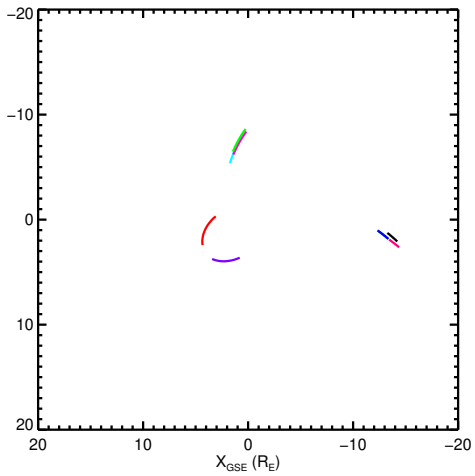


(f) 2155UT to 2355UT
ade bks cly cve cvw fhw sas



bpk dce sps

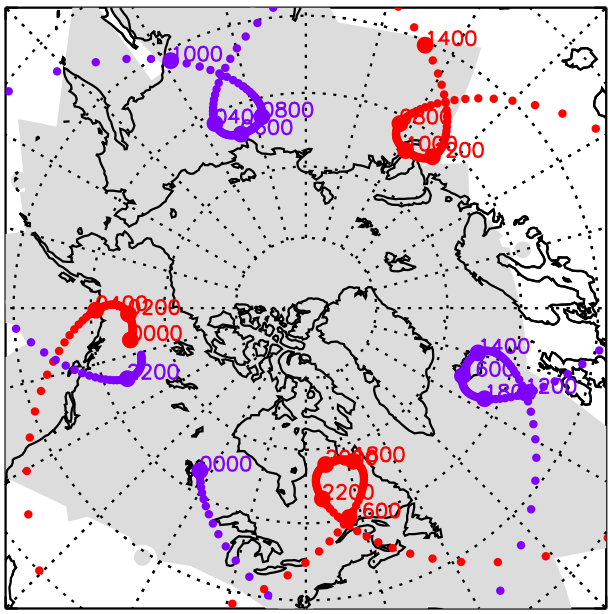


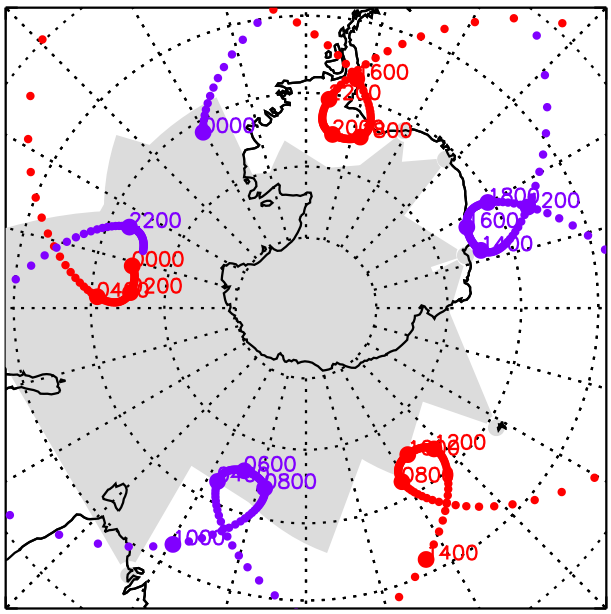


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

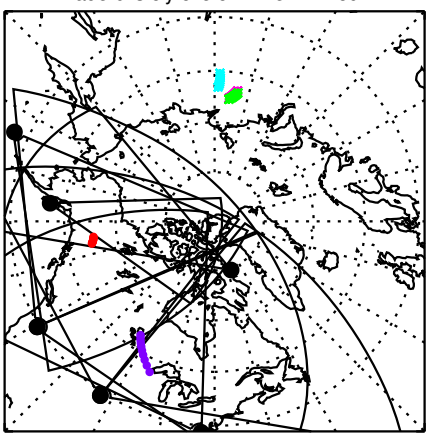
23–Sep–2015

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

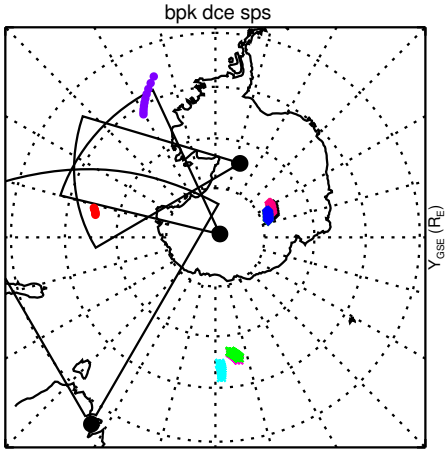


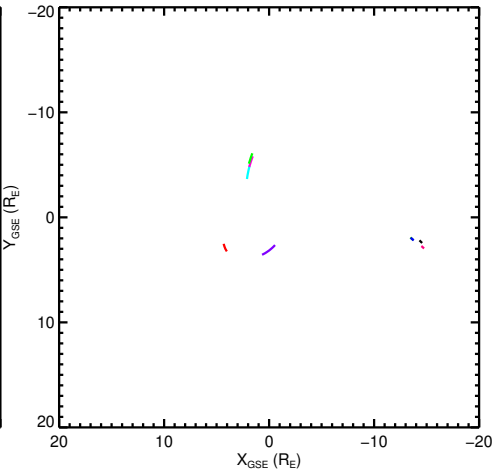


(a) 0000UT to 0045UT
ade bks cly cve cvw fhe fhw kod

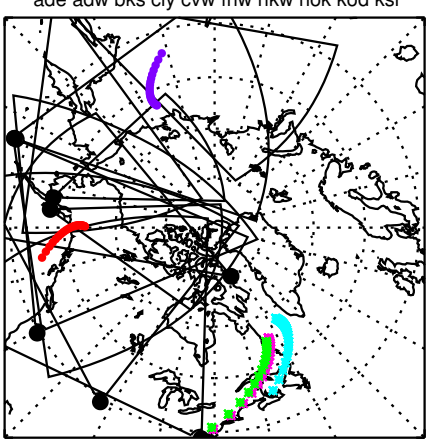


bpk dce sps

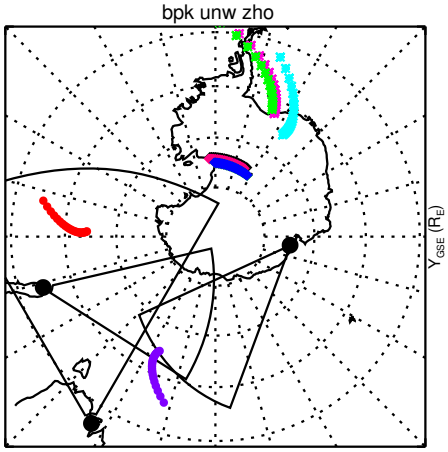


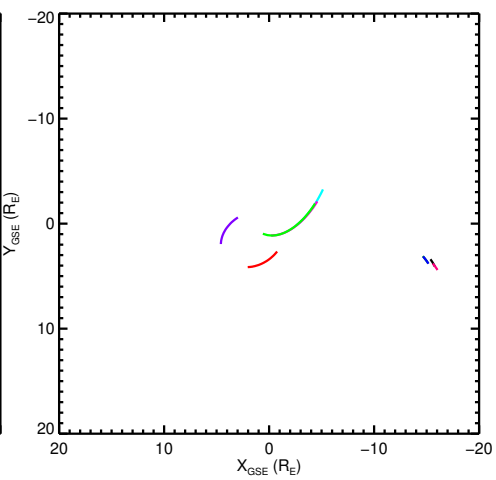


(b) 0250UT to 0445UT
ade adw bks cly cvw fhw hkw hok kod ksr

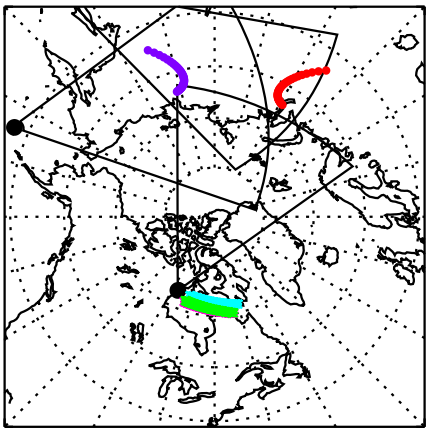


bpk unw zho

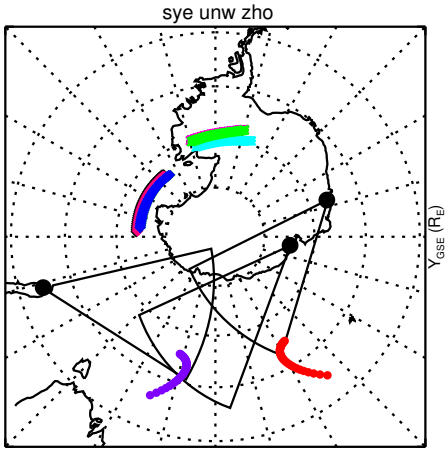


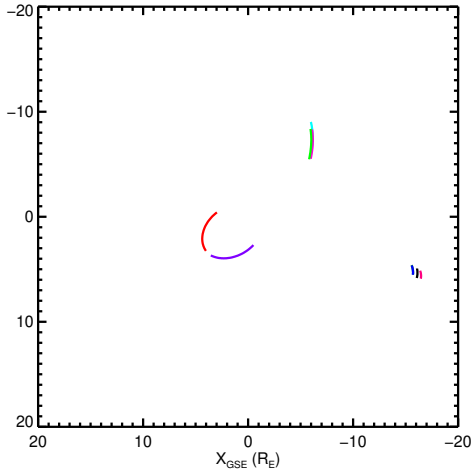


(c) 0650UT to 0945UT
adw hkw rkn

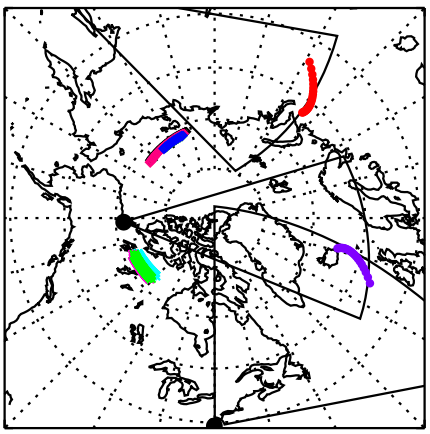


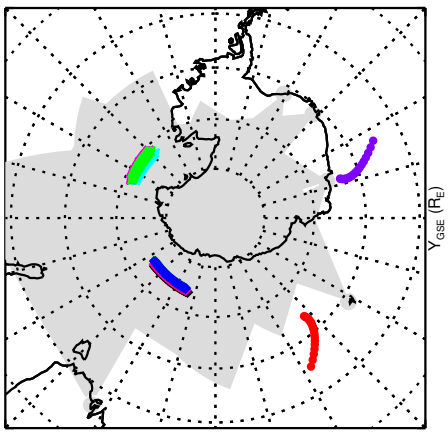
sye unw zho

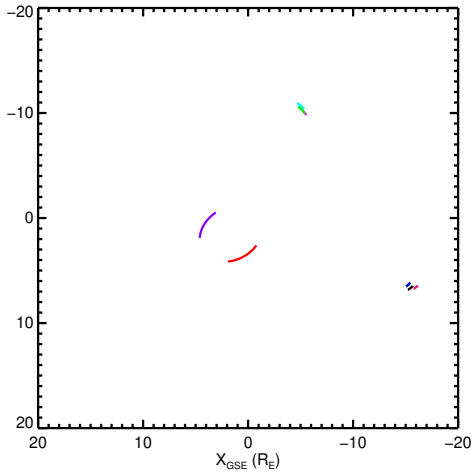




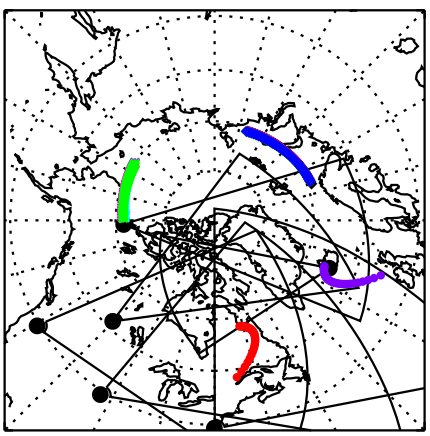
(d) 1155UT to 1345UT
hkw inv wal

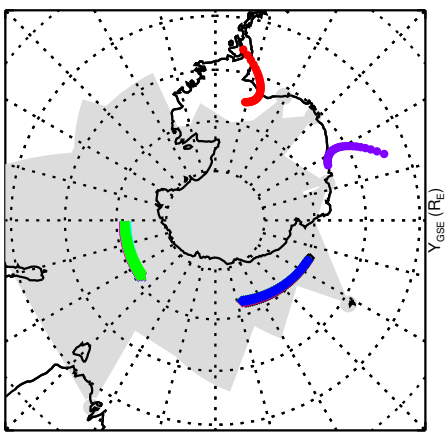


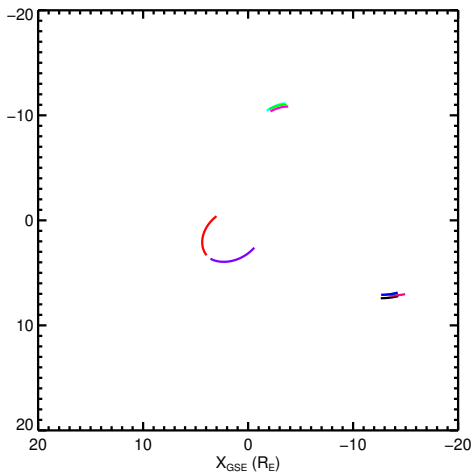




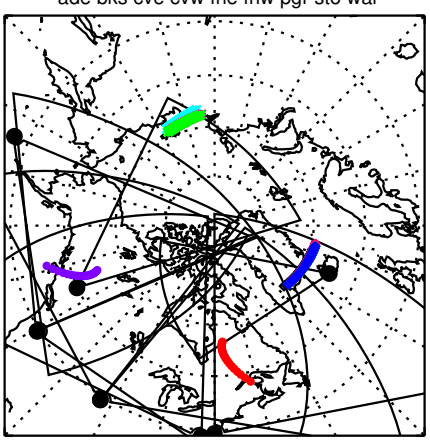
(e) 1550UT to 1850UT
cve fhe inv sas sto wal



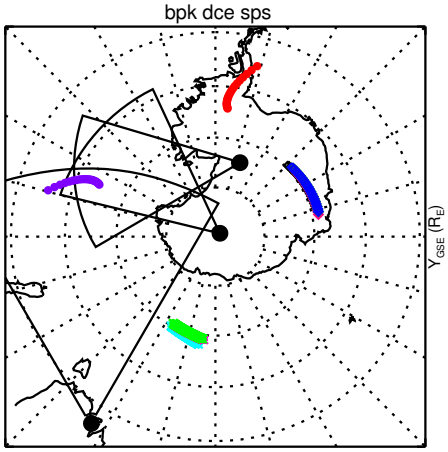


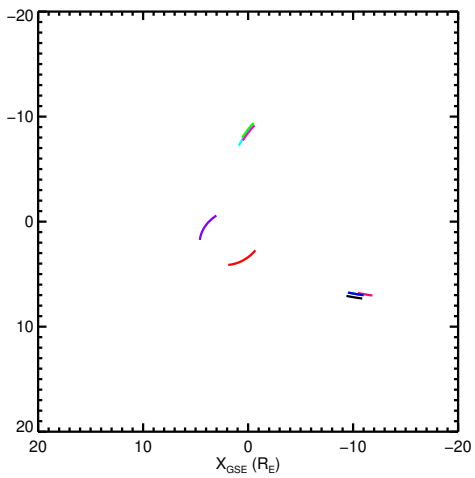


(f) 2055UT to 2240UT
ade bks cve cvw fhe fhw pgr sto wal



bpk dce sps

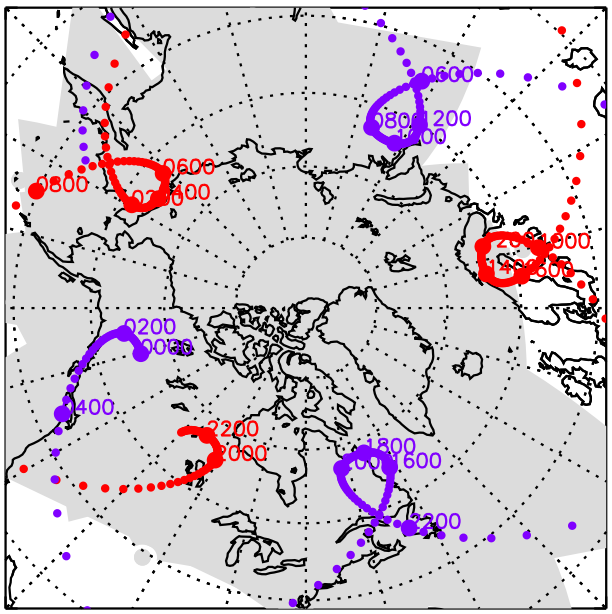


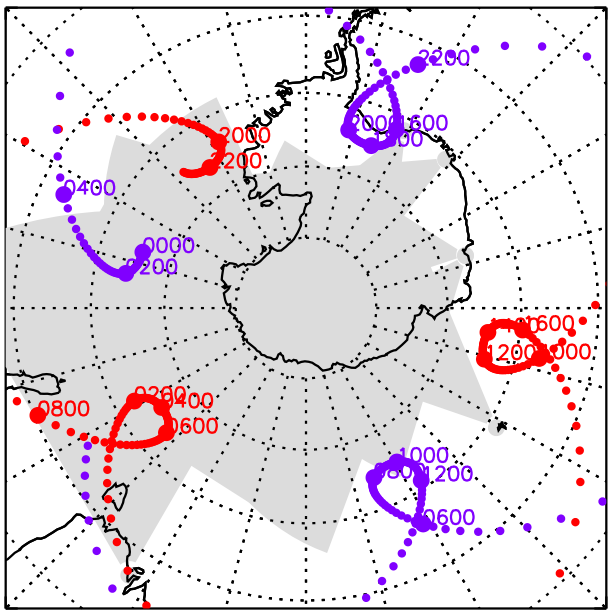


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

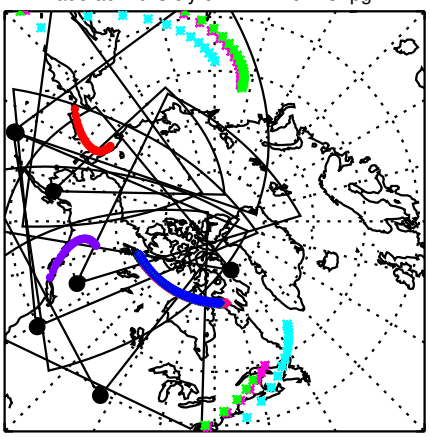
24–Sep–2015

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

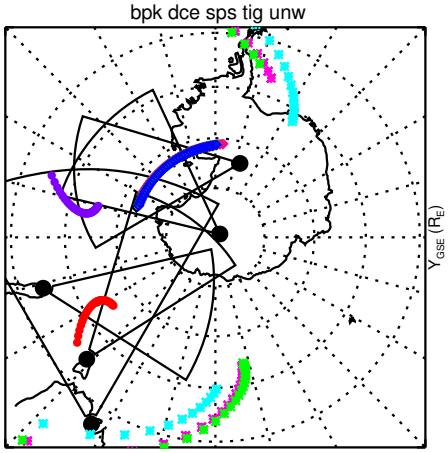


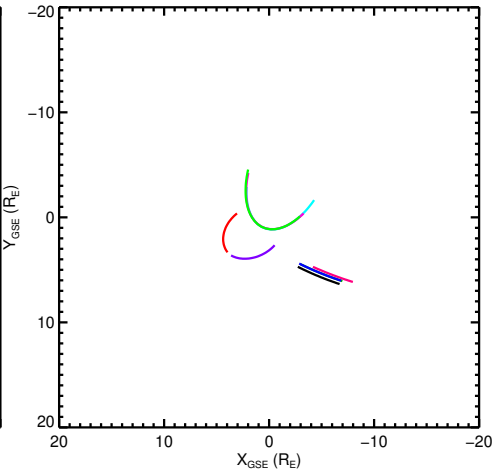


(a) 0050UT to 0350UT
ade adw bks cly cvw fhw hok ksr pgr

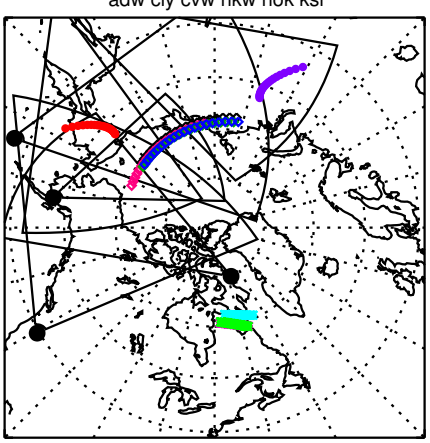


bpk dce sps tig unw

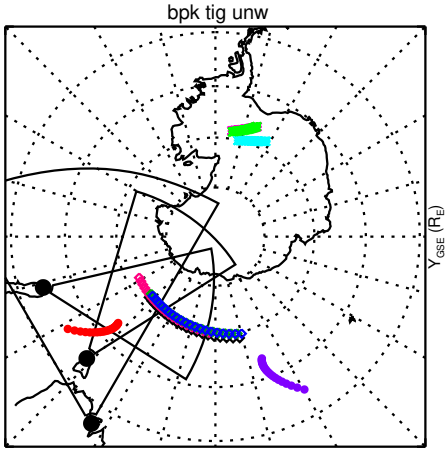


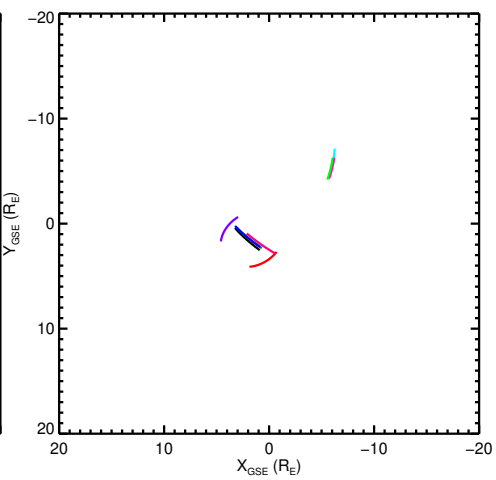


(b) 0555UT to 0740UT
adw cly cvw hkw hok ksr

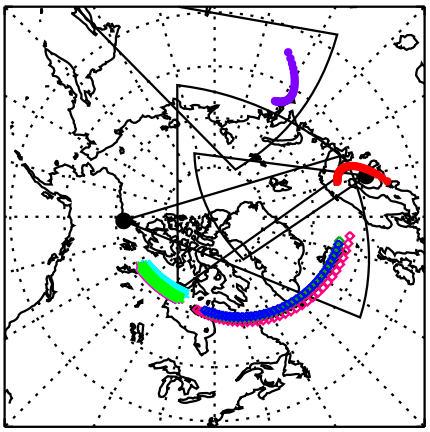


bpk tig unw

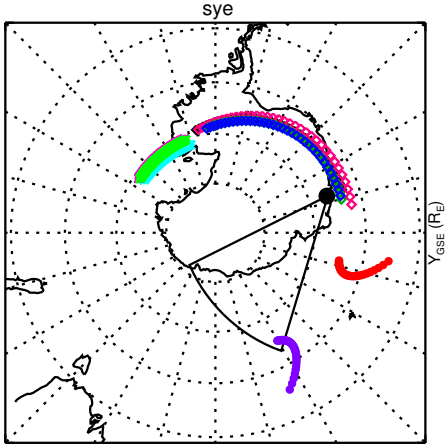


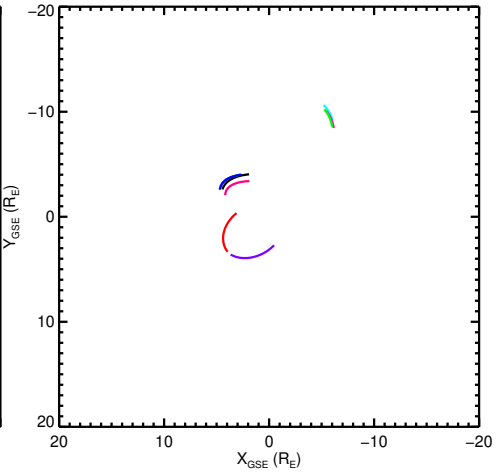


(c) 0950UT to 1250UT
han hkw inv rkn

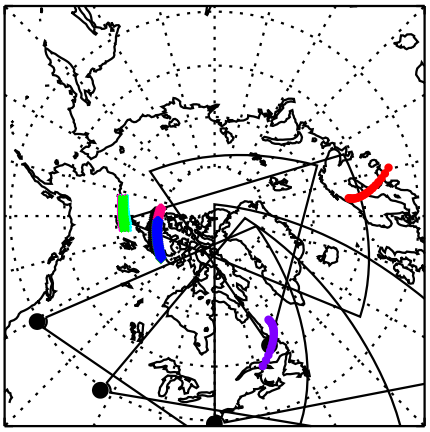


sye

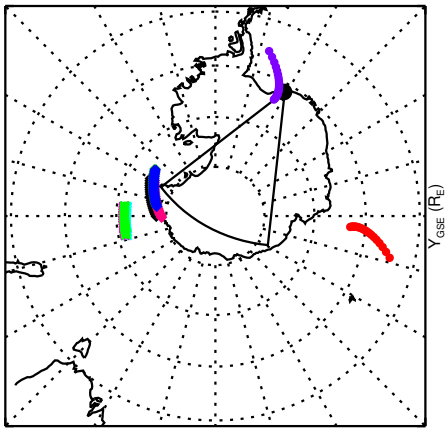


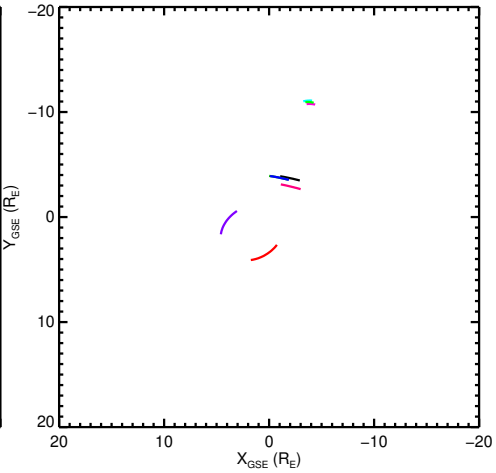


(d) 1500UT to 1640UT
cve fhe gbr inv wal

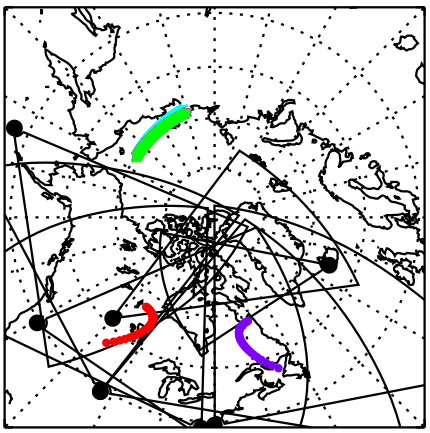


hal

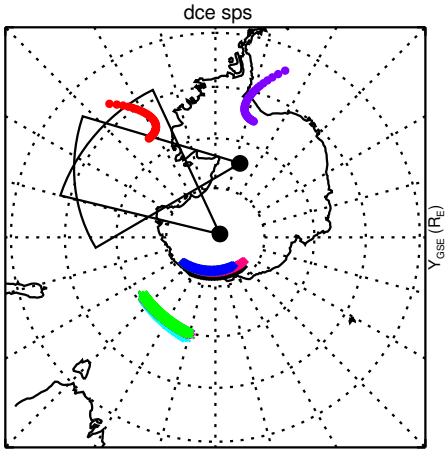


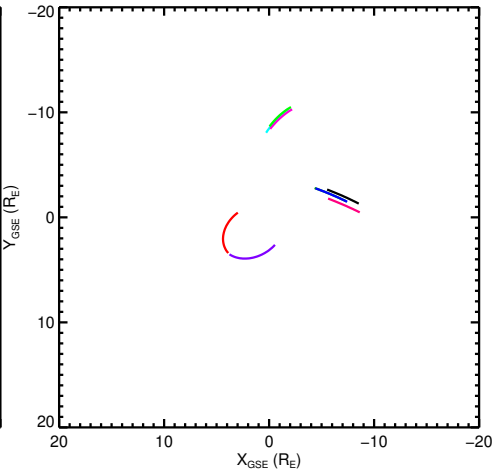


(e) 1845UT to 2155UT
ade bks cve fhe fhw sas sto wal



dce sps

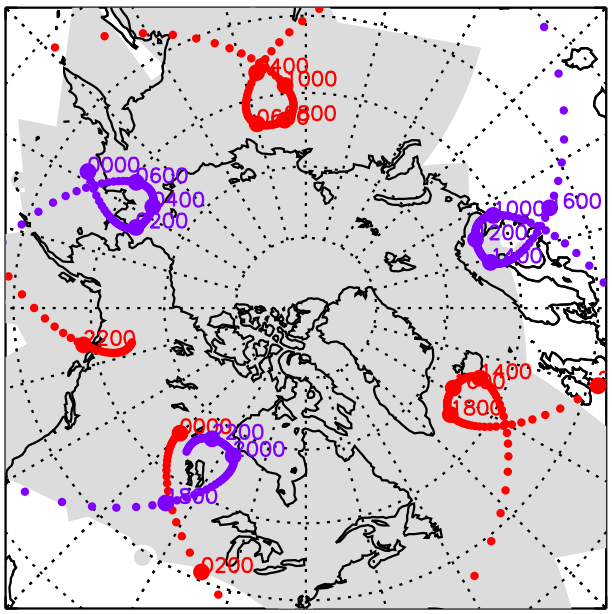


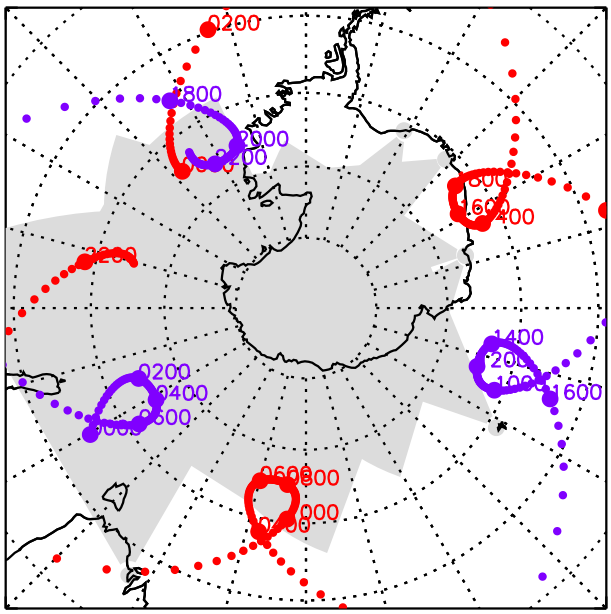


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

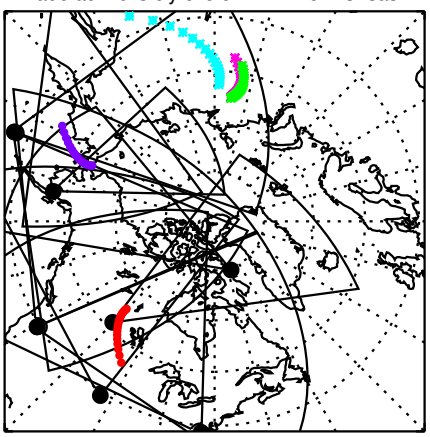
25–Sep–2015

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

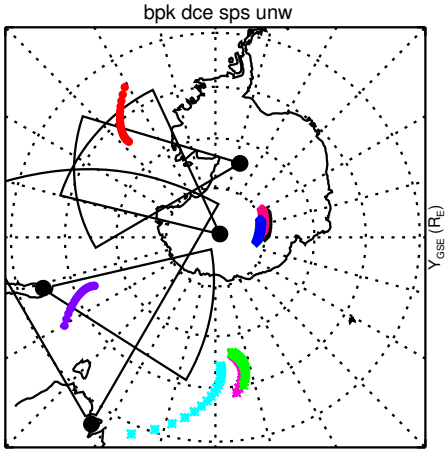


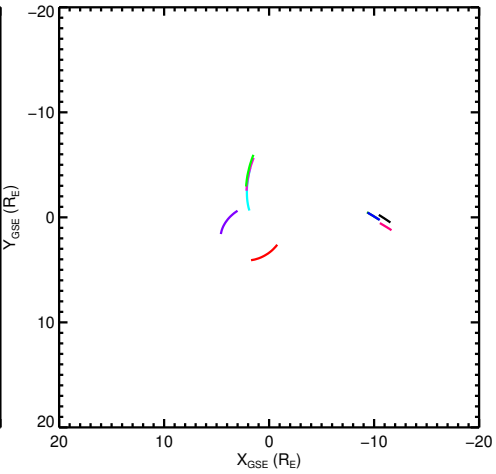


(a) 0000UT to 0140UT
ade adw bks cly cve cvw fhw hok ksr sas

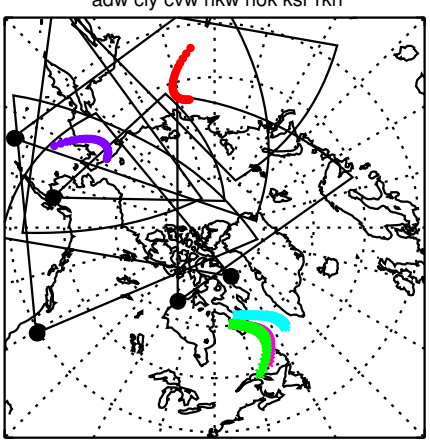


bpk dce sps unw

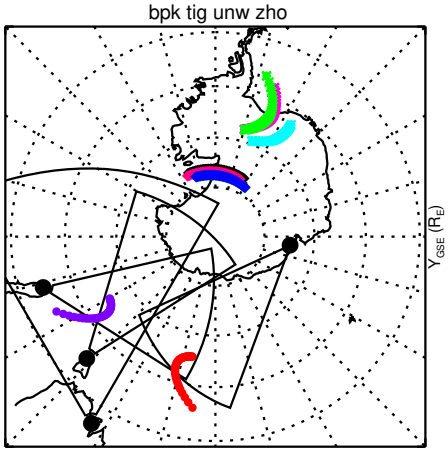


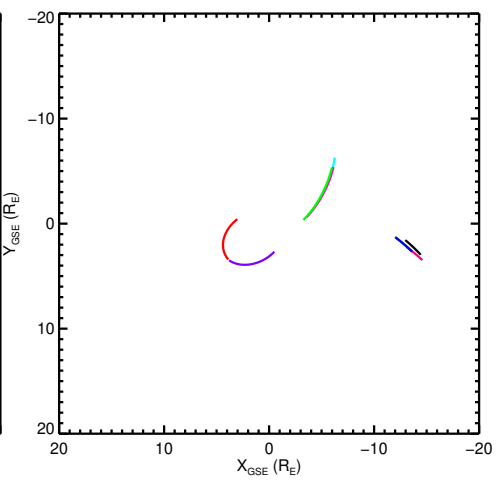


(b) 0345UT to 0655UT
adw cly cvw hkw hok ksr rkn

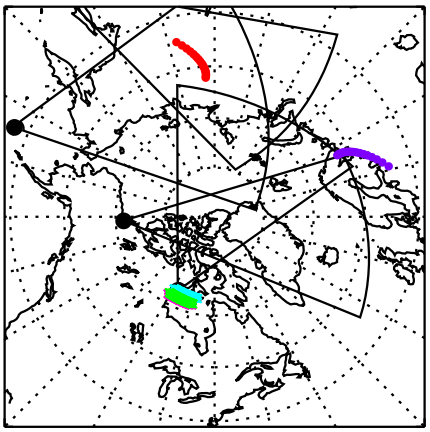


bpk tig unw zho

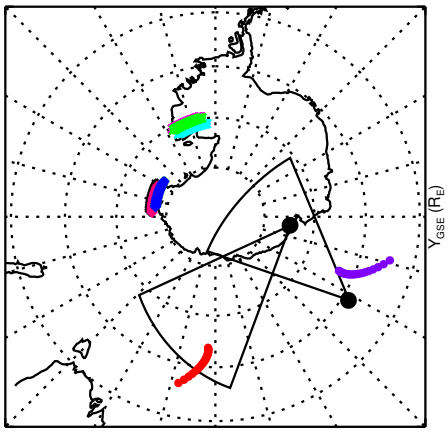


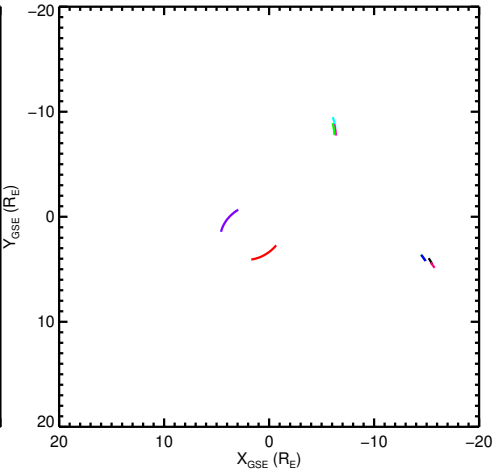


(c) 0900UT to 1035UT
adw hkw inv rkn

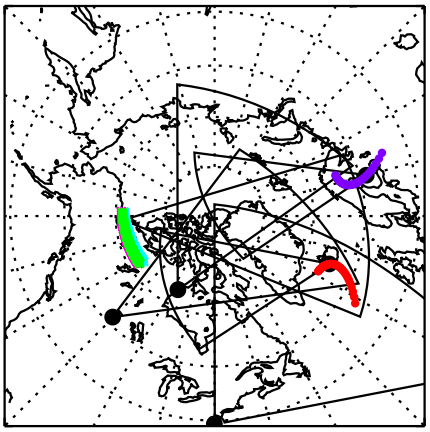


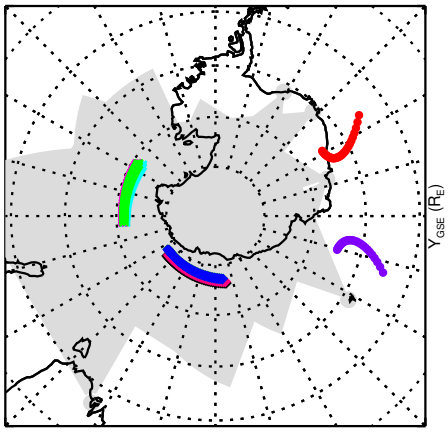
ker zho

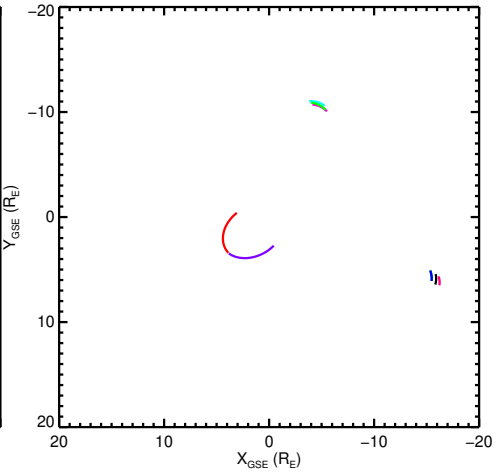




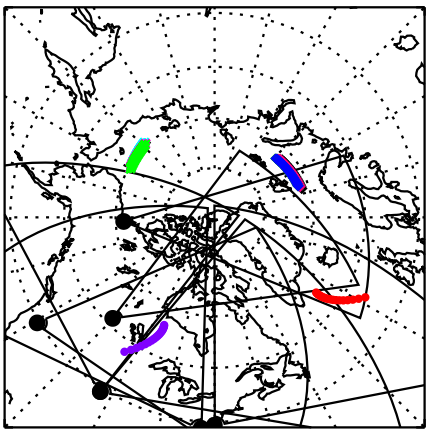
(d) 1245UT to 1555UT
han inv rkn sas sto wal



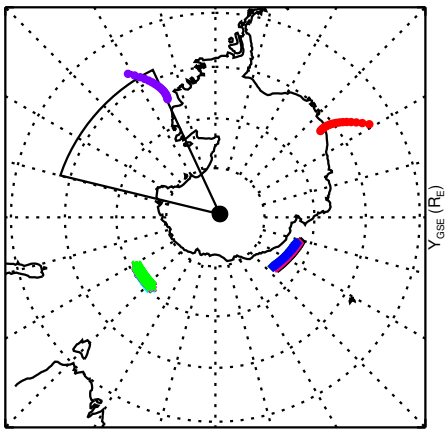


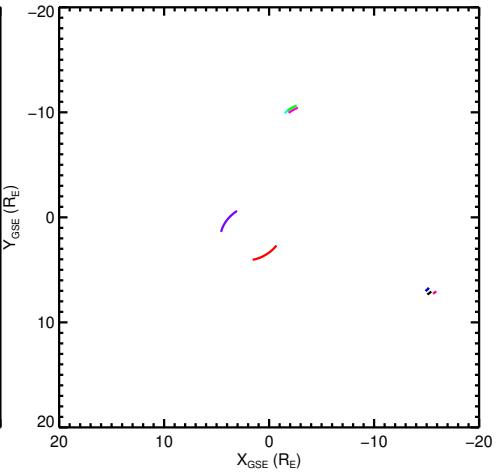


(e) 1805UT to 1935UT
bks cve fhe fhw inv sas wal

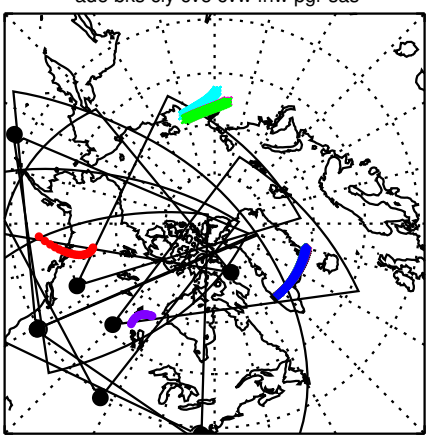


dce

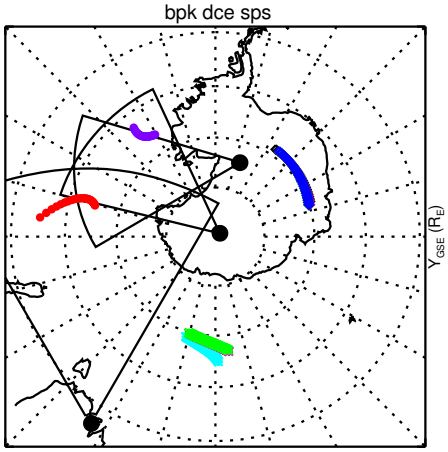


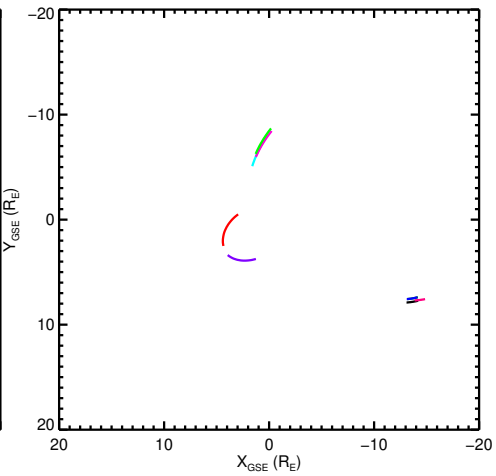


(f) 2140UT to 2355UT
ade bks cly cve cvw fhw pgr sas



bpk dce sps

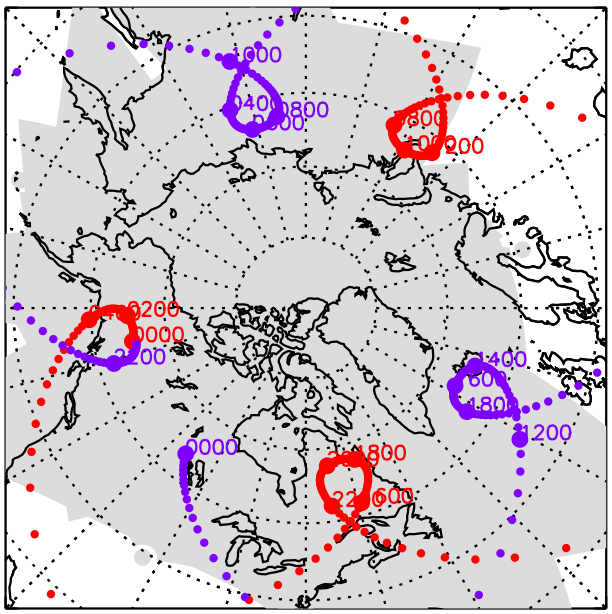


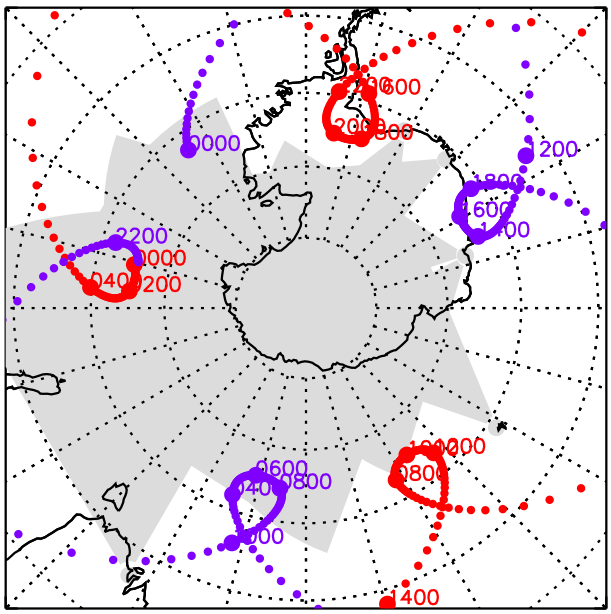


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

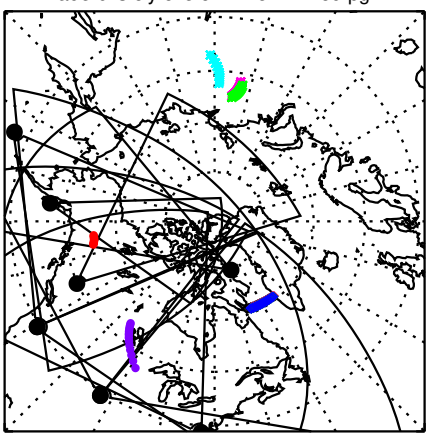
26–Sep–2015

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

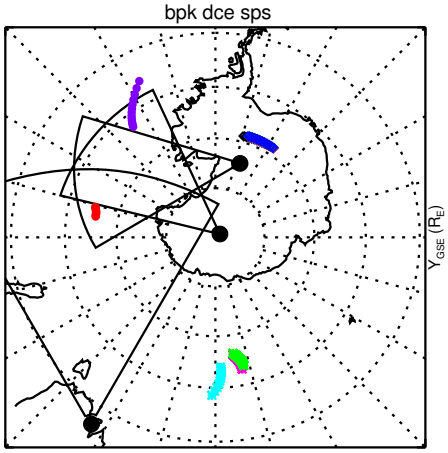


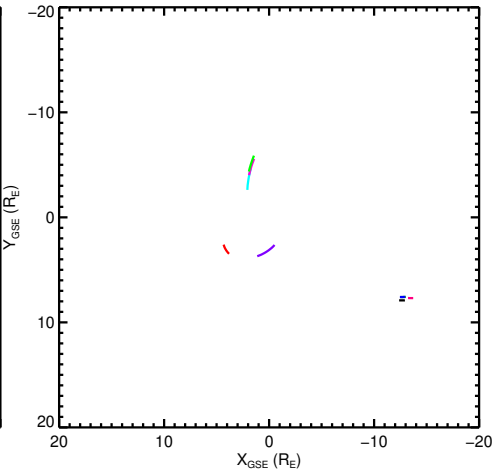


(a) 0000UT to 0100UT
ade bks cly cve cvw fhe fhw kod pgr

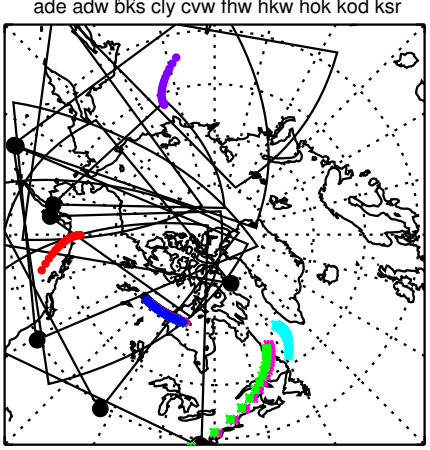


bpk dce sps

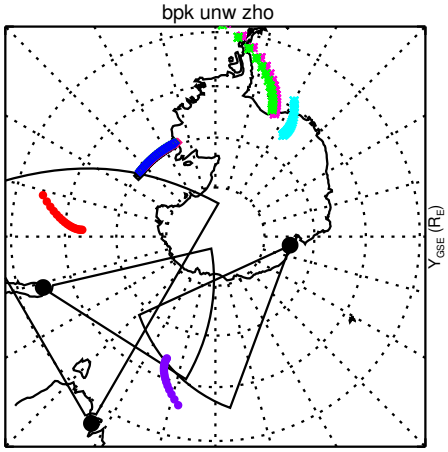


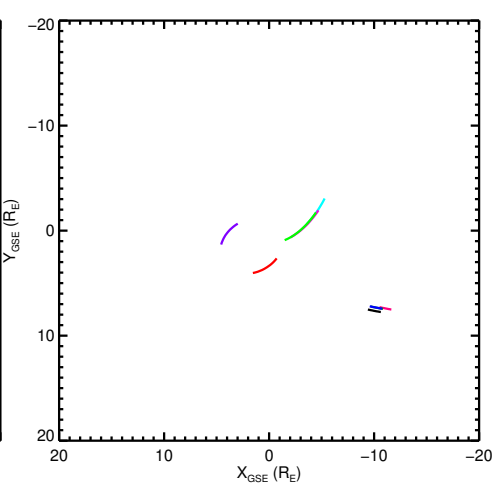


(b) 0305UT to 0435UT
ade adw bks cly cvw fhw hkw hok kod ksr



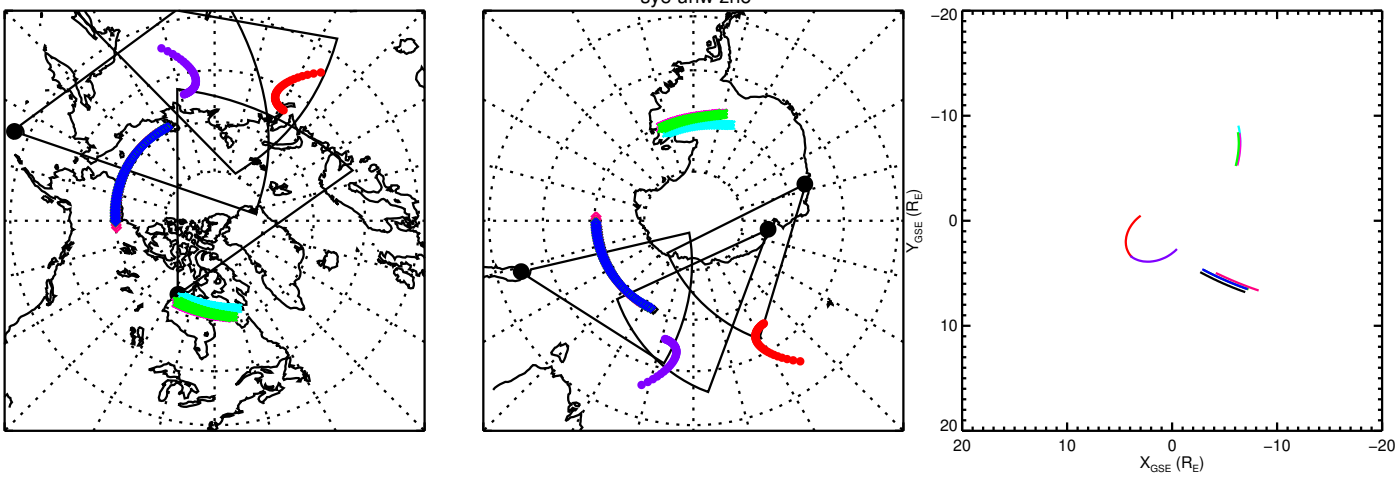
bpk unw zho



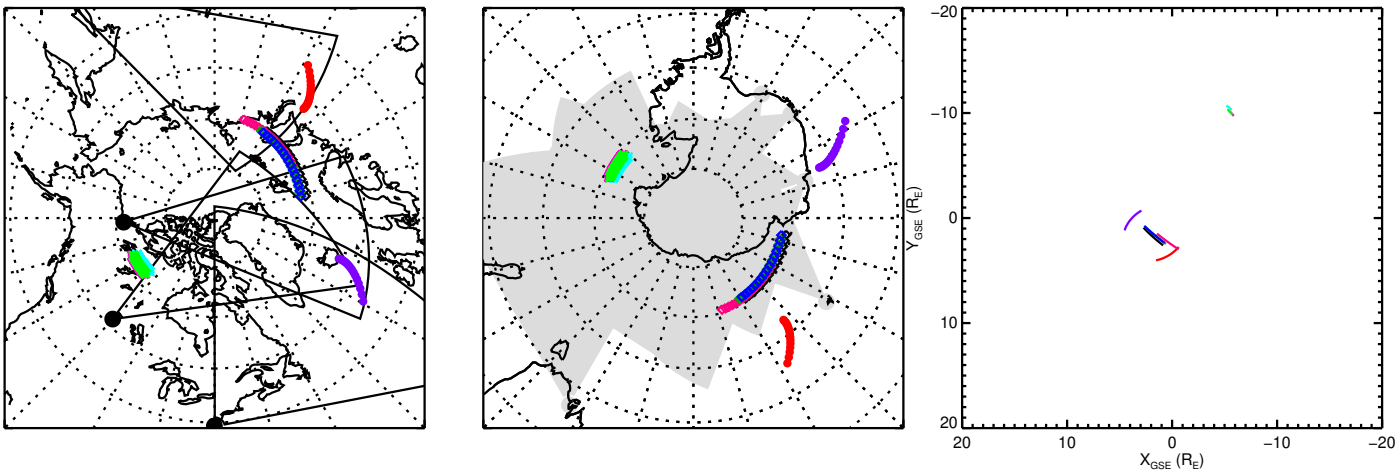


(c) 0640UT to 1000UT
adw hkw rkn

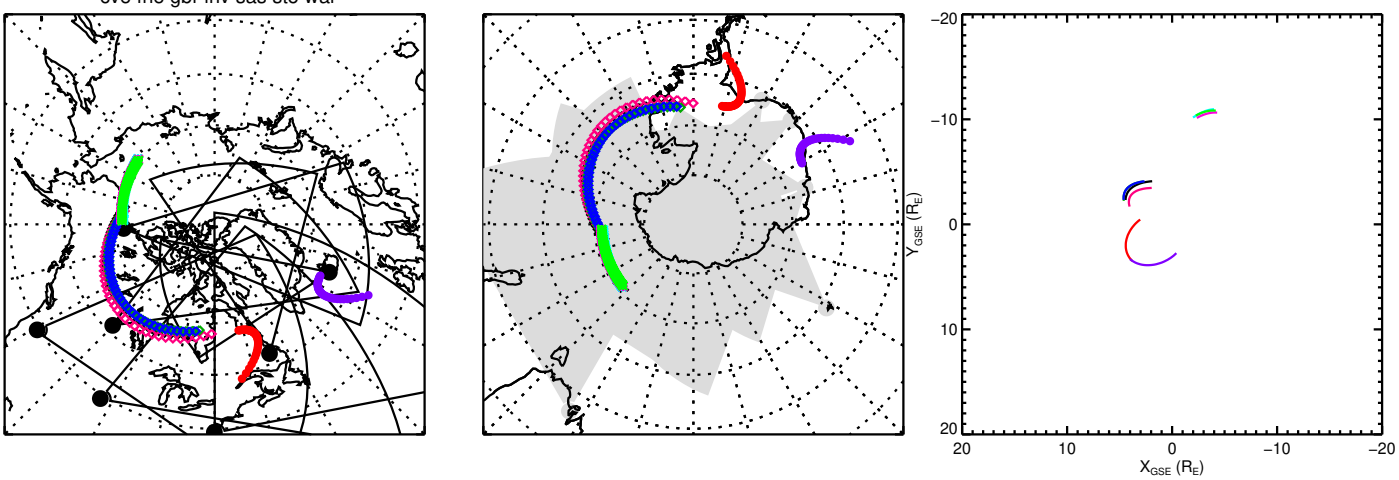
sye unw zho



(d) 1205UT to 1330UT
hkw inv sas wal

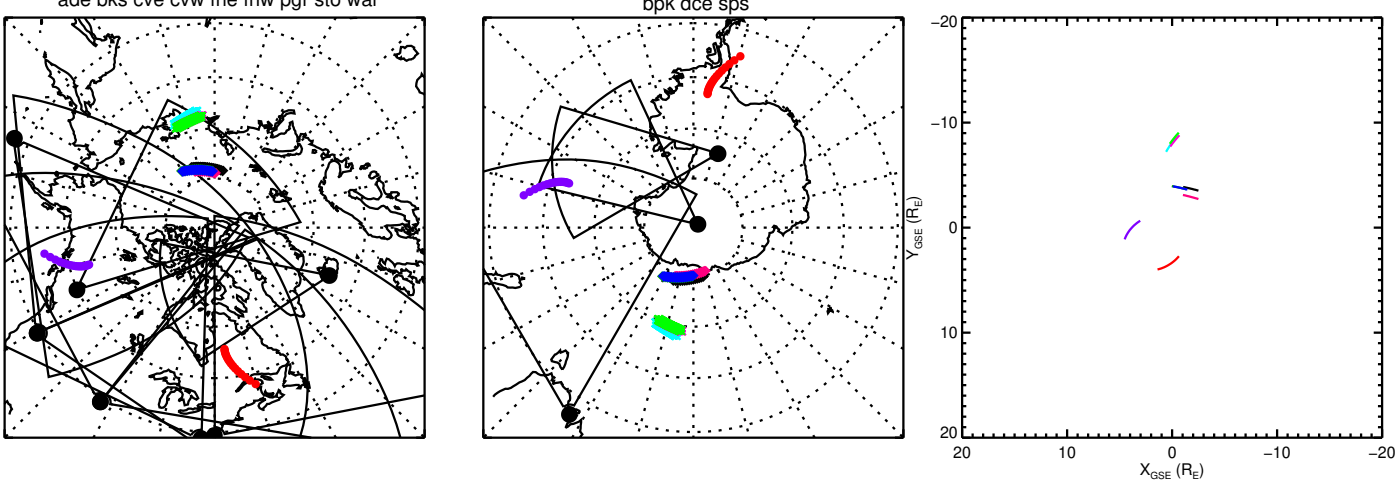


(e) 1540UT to 1900UT
cve fhe gbr inv sas sto wal



(f) 2110UT to 2230UT
ade bks cve cvw fhe fhw pgr sto wal

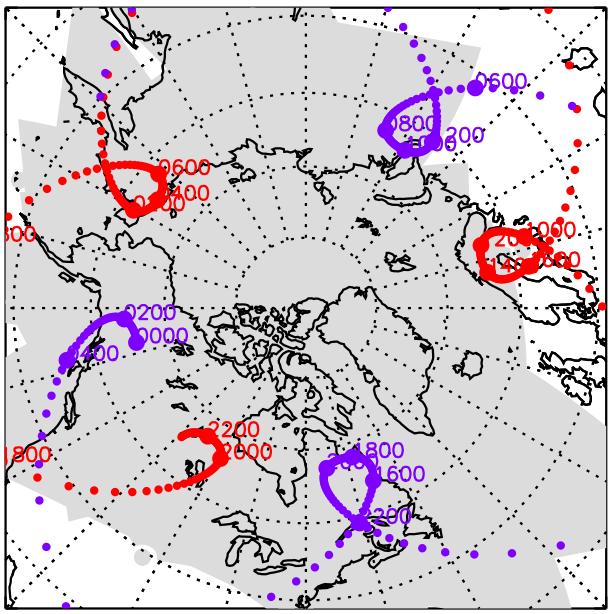
bpk dce sps

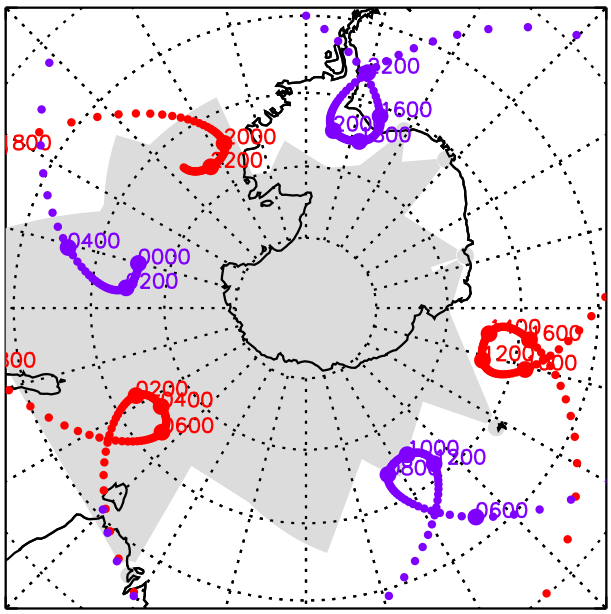


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

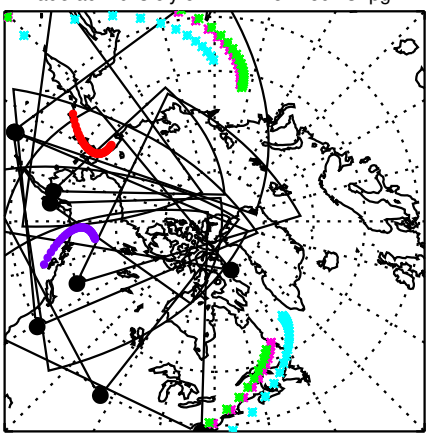
27–Sep–2015

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

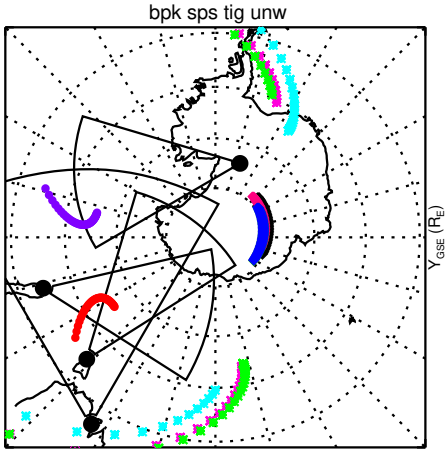


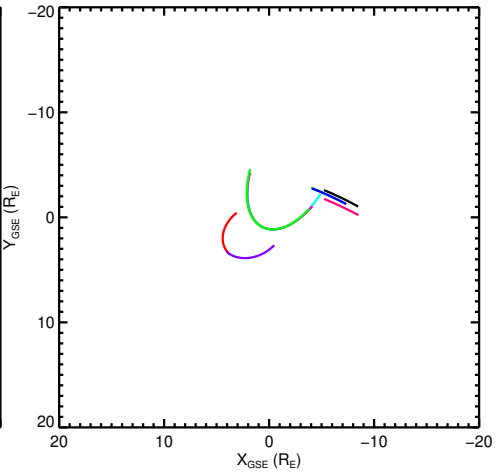


(a) 0040UT to 0405UT
ade adw bks cly cvw fhw hok kod ksr pgr

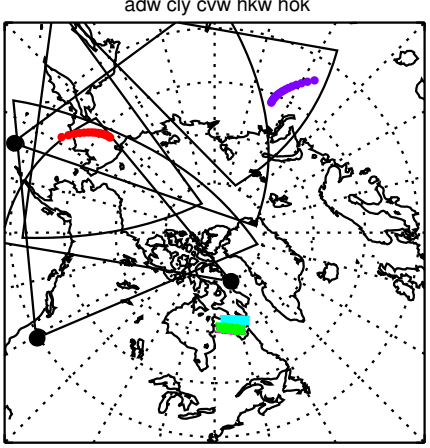


bpk sps tig unw

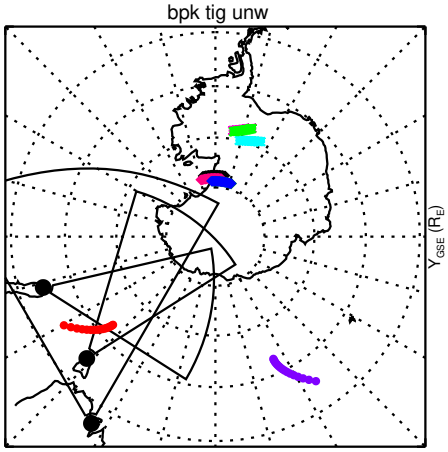


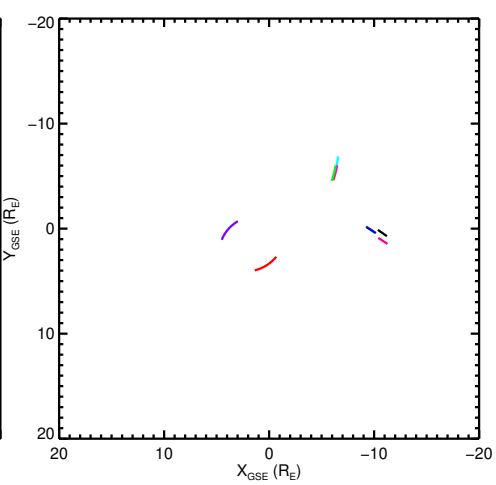


(b) 0610UT to 0730UT
adw cly cvw hkw hok



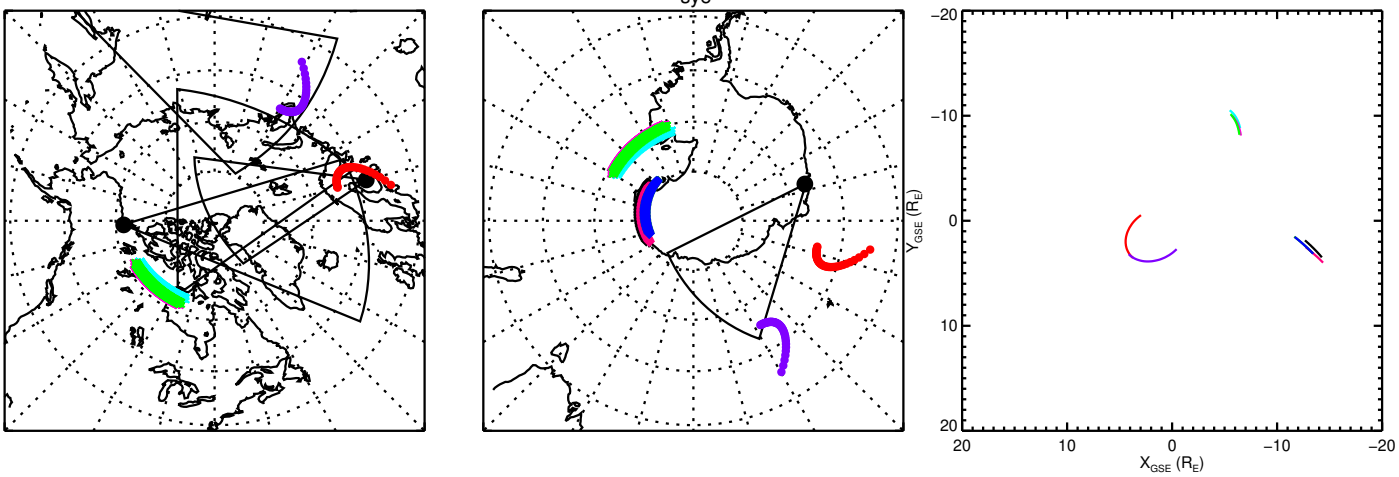
bpk tig unw



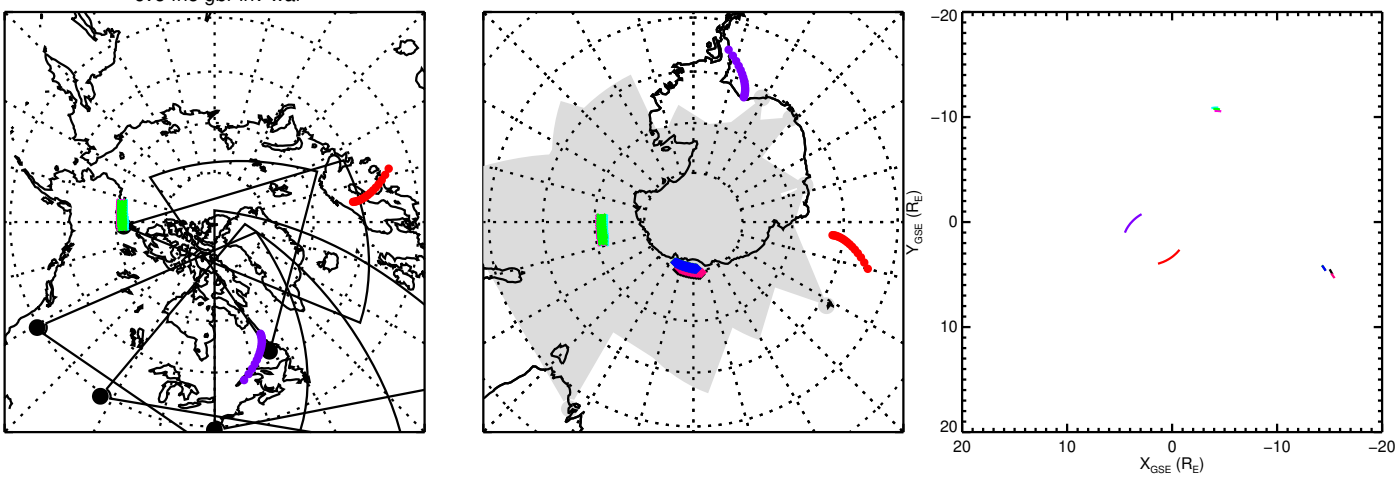


(c) 0935UT to 1305UT
han hkw inv rkn

sye

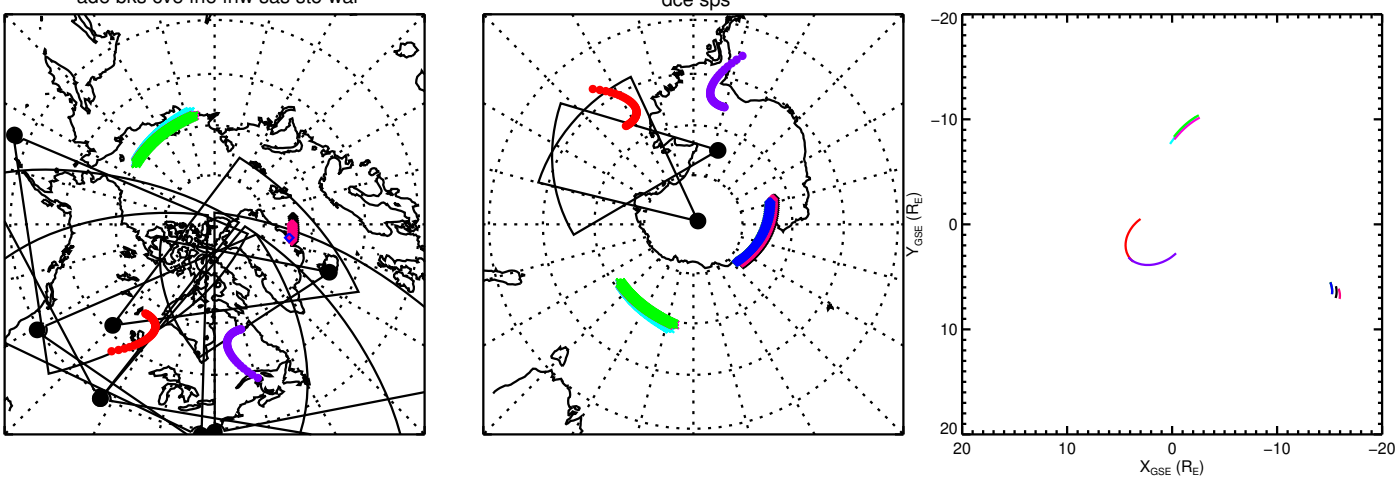


(d) 1510UT to 1630UT
cve fhe gbr inv wal



(e) 1835UT to 2205UT
ade bks cve fhe fhw sas sto wal

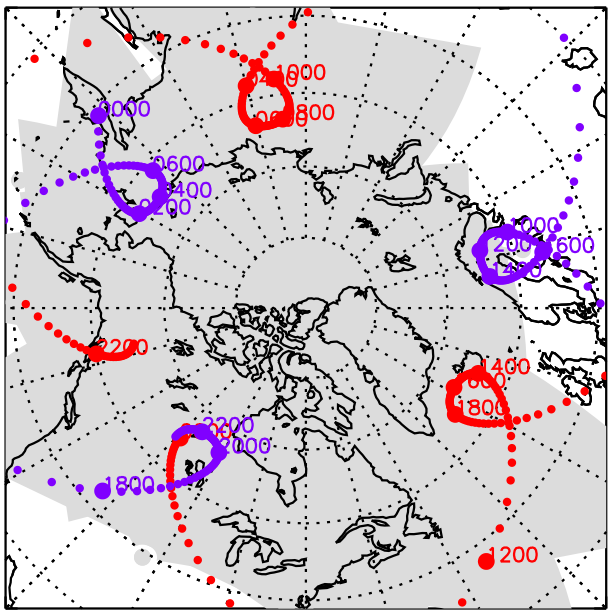
dce sps

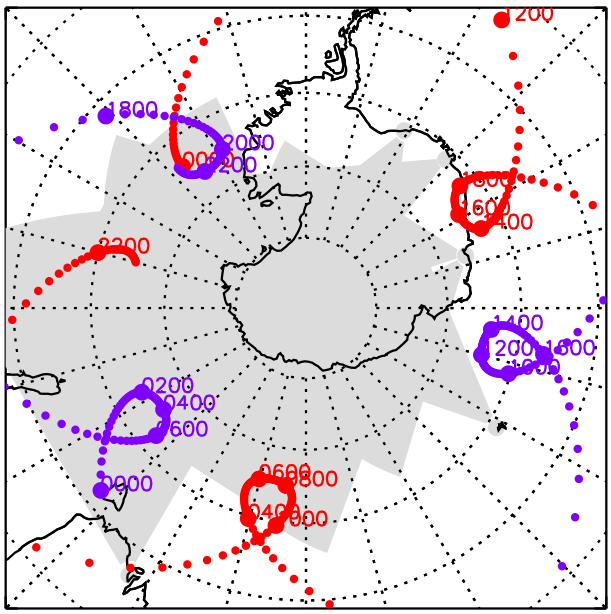


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

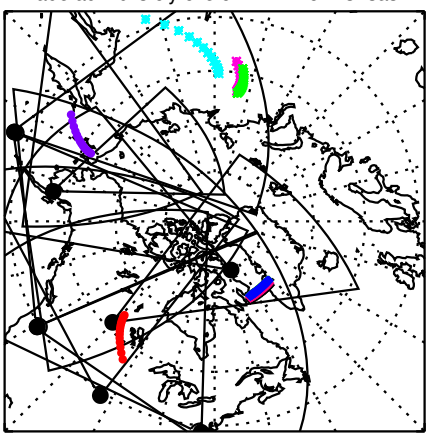
28–Sep–2015

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

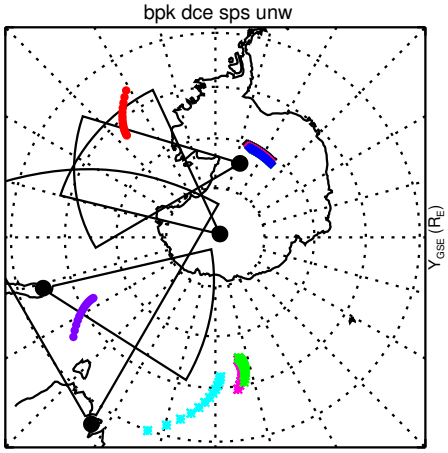


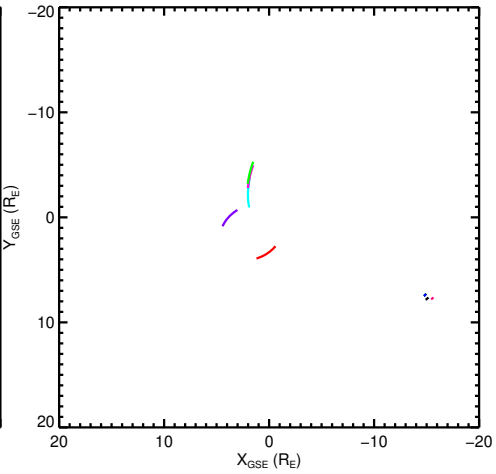


(a) 0015UT to 0125UT
ade adw bks cly cve cvw fhw hok ksr sas

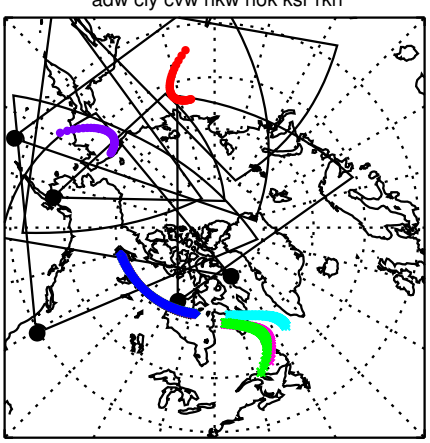


bpk dce sps unw

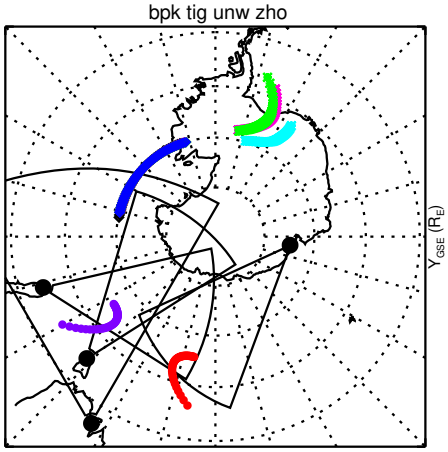


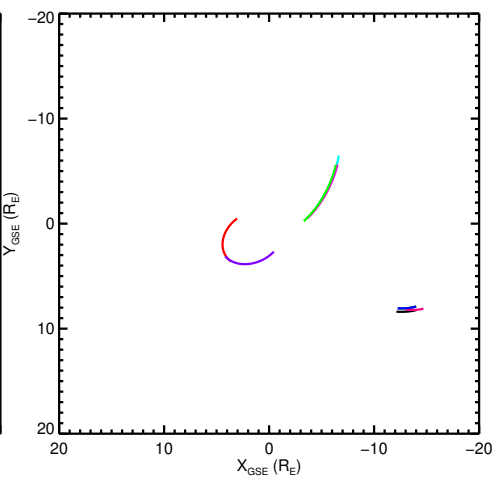


(b) 0335UT to 0710UT
adw cly cvw hkw hok ksr rkn

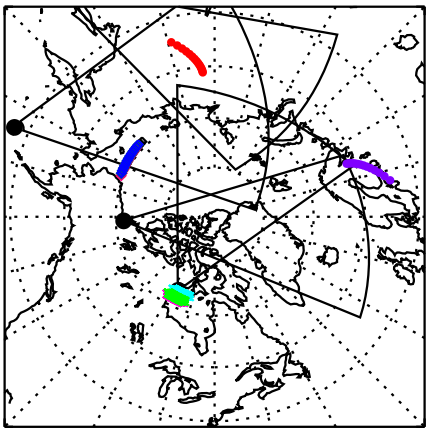


bpk tig unw zho

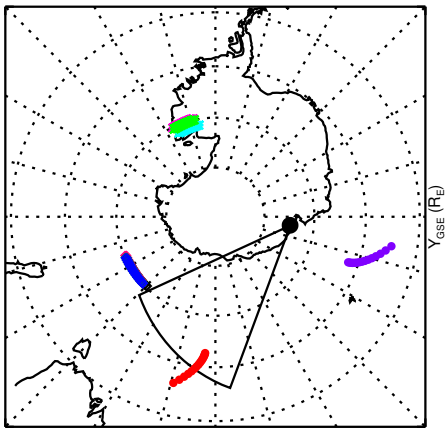


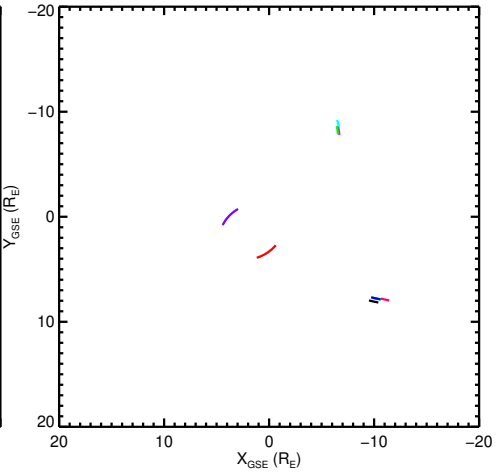


(c) 0915UT to 1025UT
adw hkw inv rkn

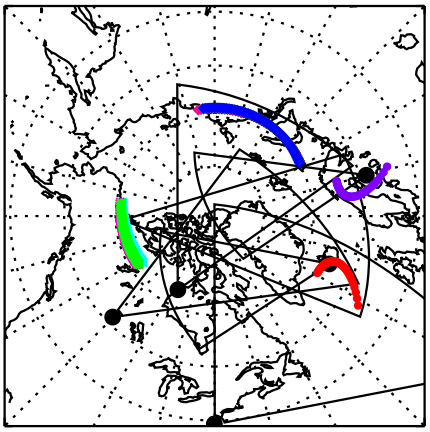


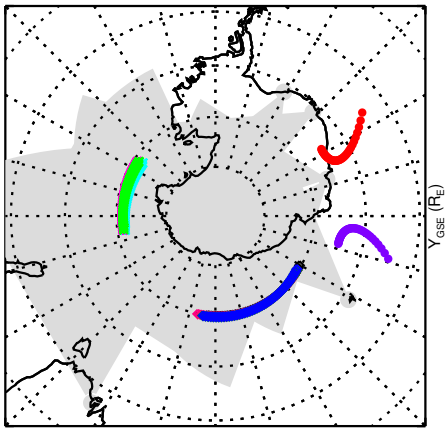
zho

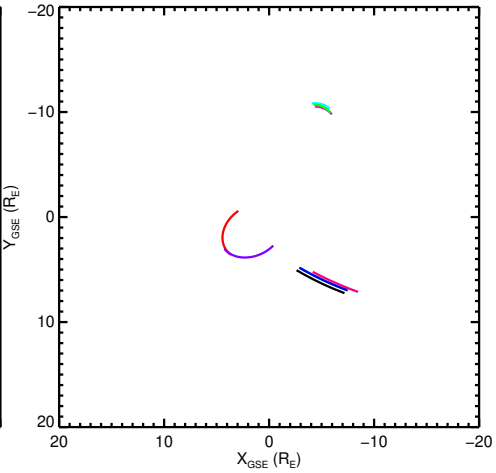




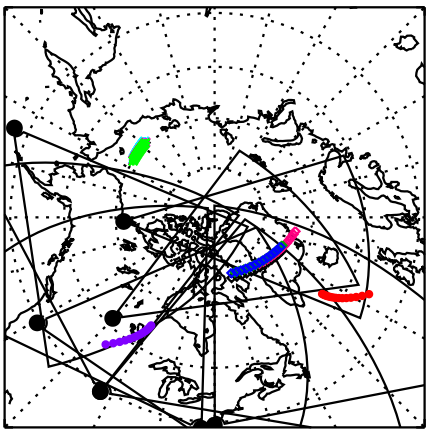
(d) 1230UT to 1610UT
han inv rkn sas sto wal



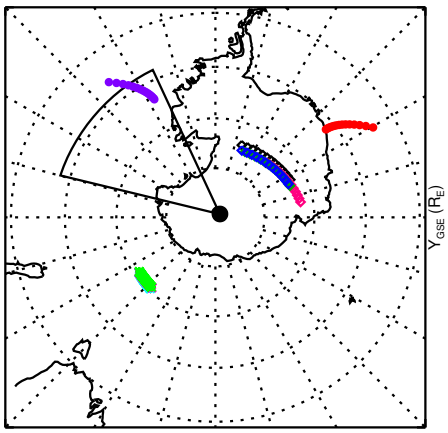


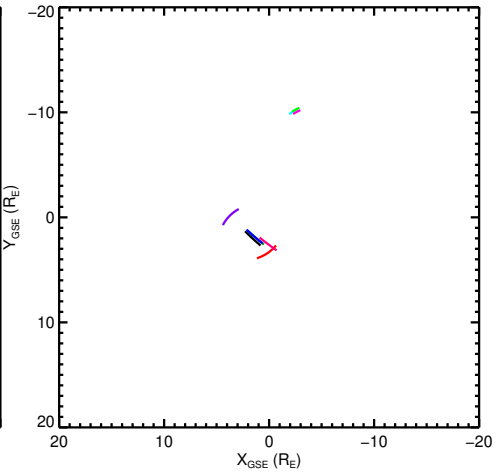


(e) 1815UT to 1925UT
ade bks cve fhe fhw inv sas wal

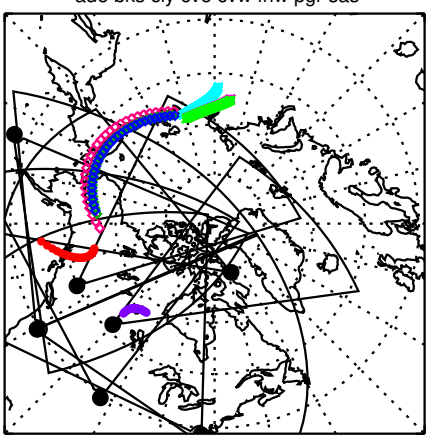


dce

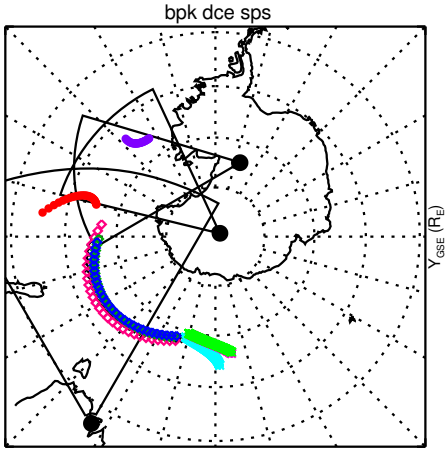


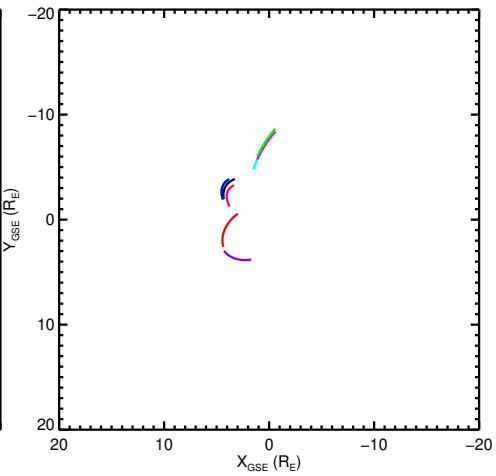


(f) 2130UT to 2355UT
ade bks cly cve cvw fhw pgr sas



bpk dce sps

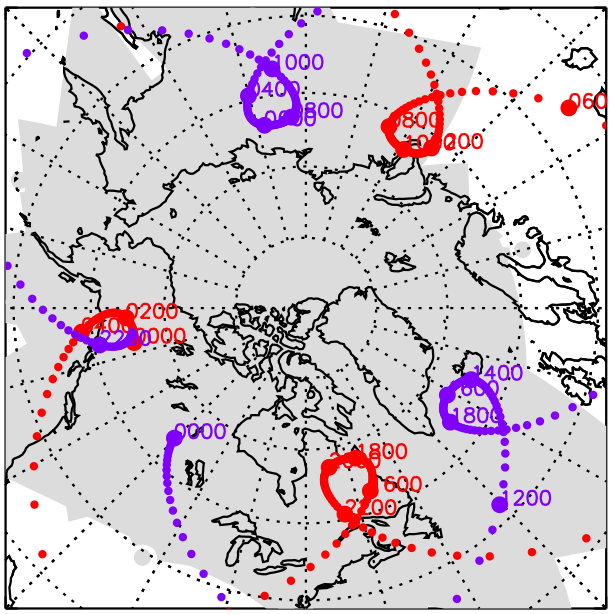


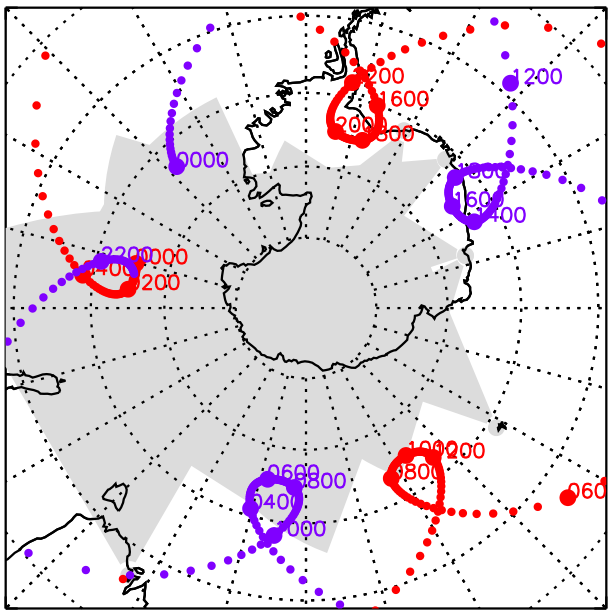


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

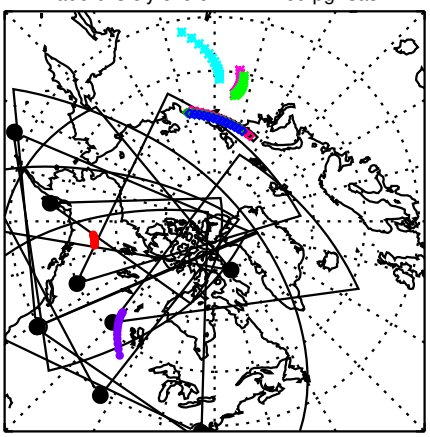
29–Sep–2015

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

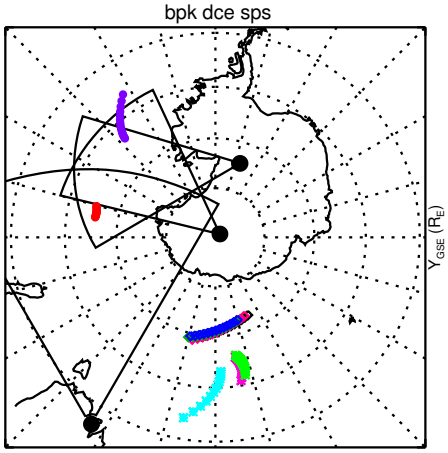


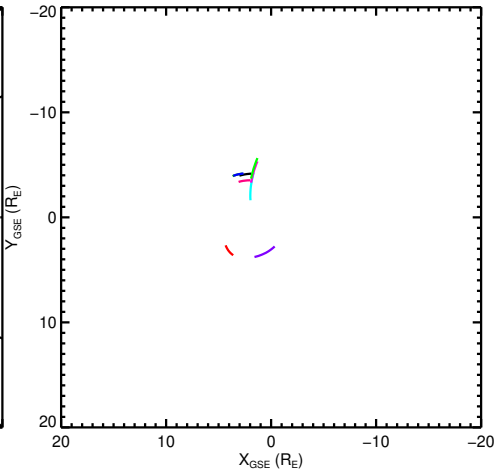


(a) 0000UT to 0110UT
ade bks cly cve cvw fhw kod pgr sas

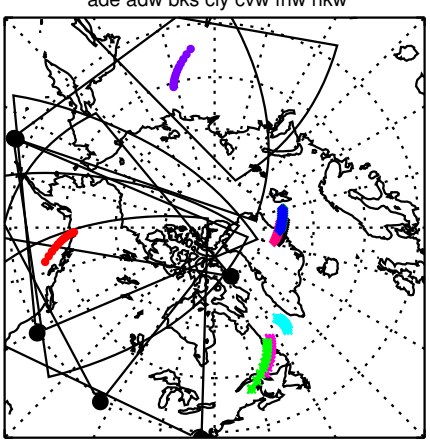


bpk dce sps

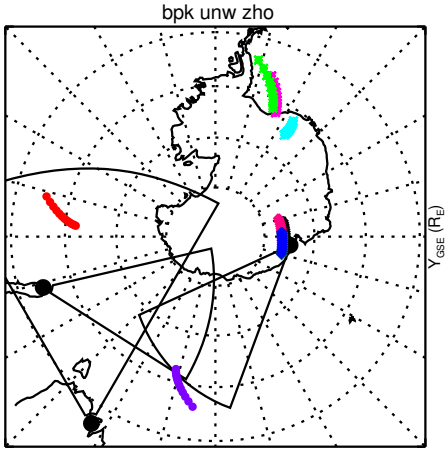


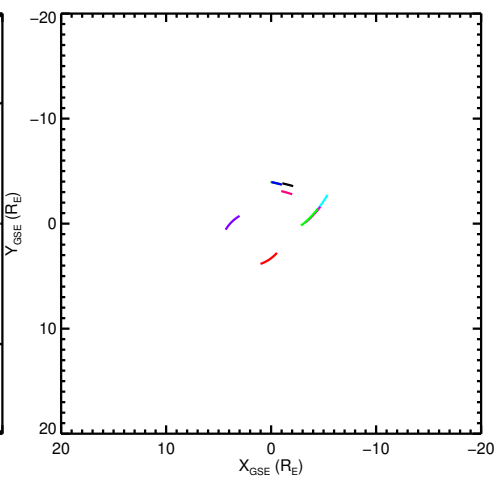


(b) 0320UT to 0420UT
ade adw bks cly cvw fhw hkw

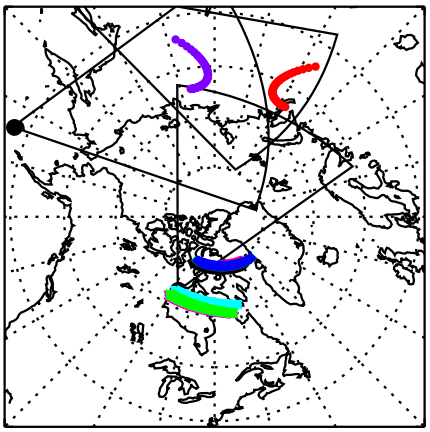


bpk unw zho

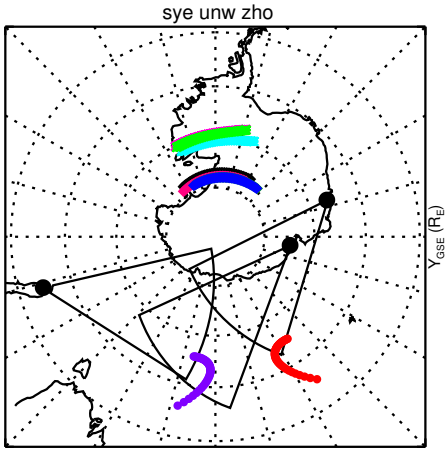


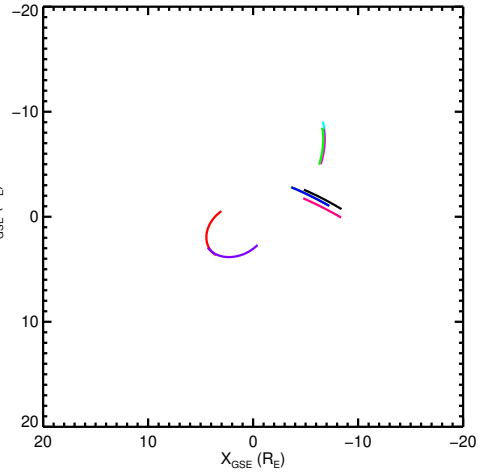


(c) 0630UT to 1015UT
adw hkw rkn

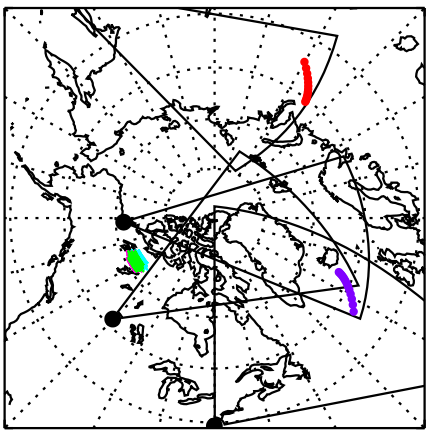


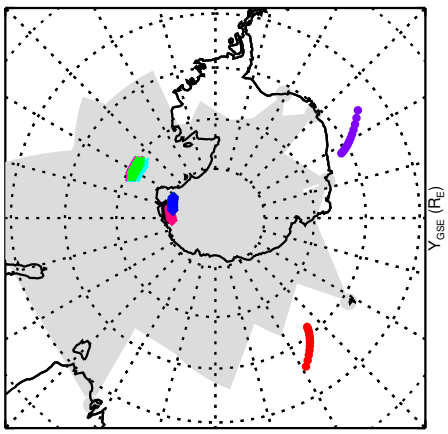
sye unw zho

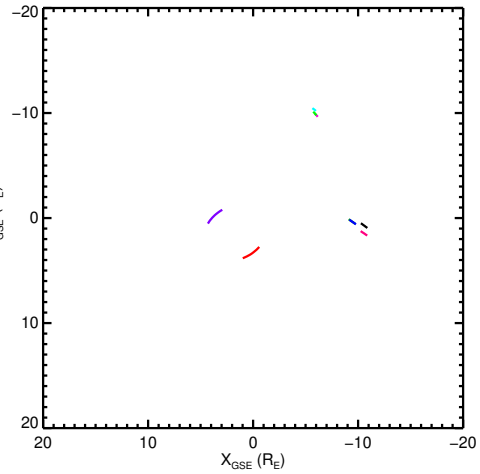




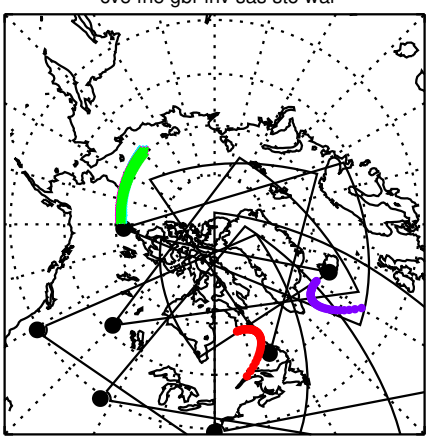
(d) 1220UT to 1320UT
hkw inv sas wal

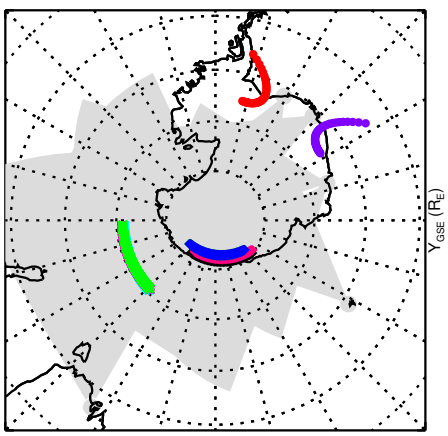


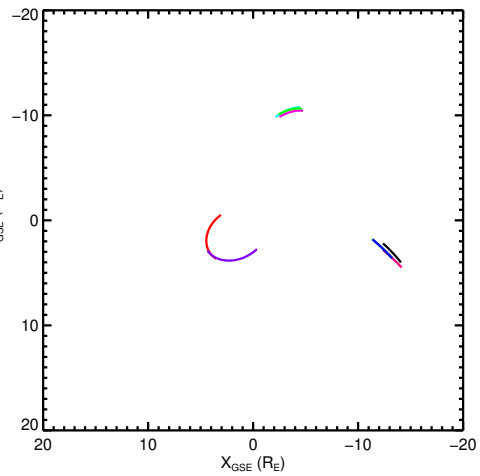




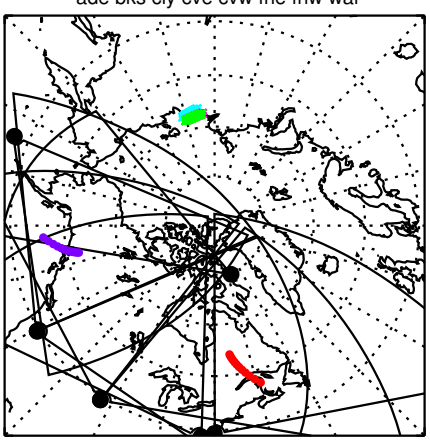
(e) 1530UT to 1915UT
cve fhe gbr inv sas sto wal



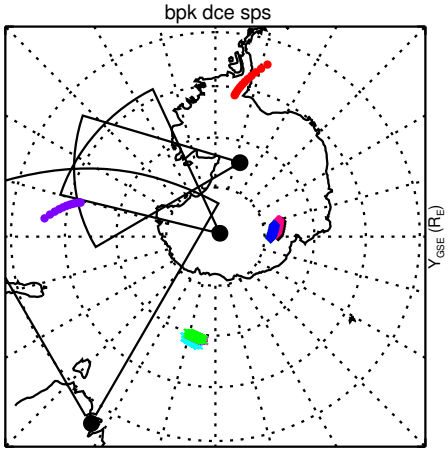


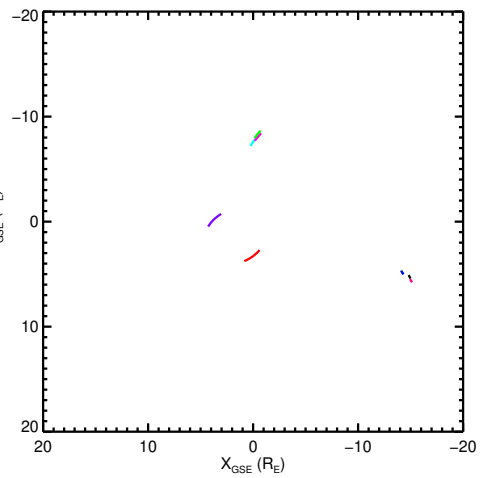


(f) 2125UT to 2220UT
ade bks cly cve cvw fhe fhw wal



bpk dce sps

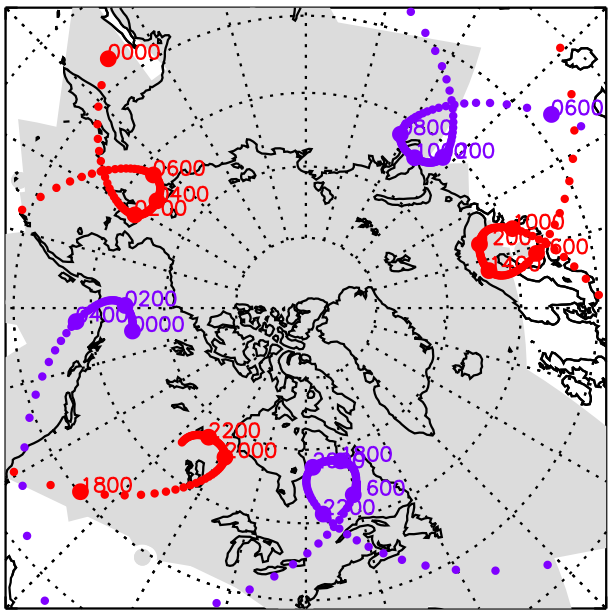


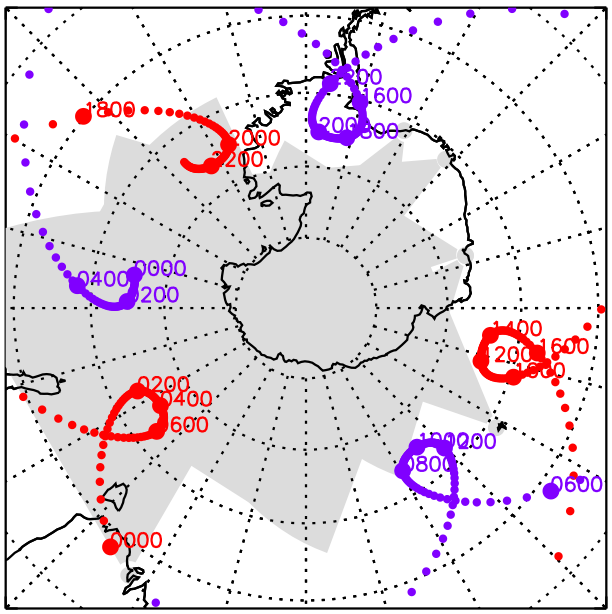


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

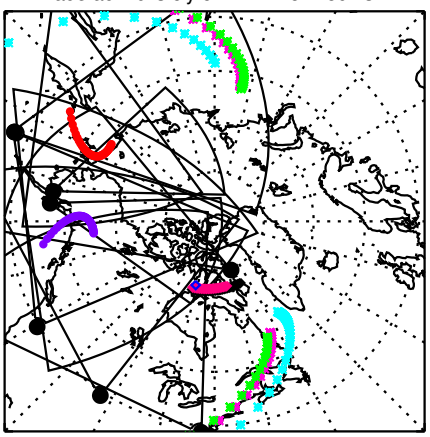
30–Sep–2015

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

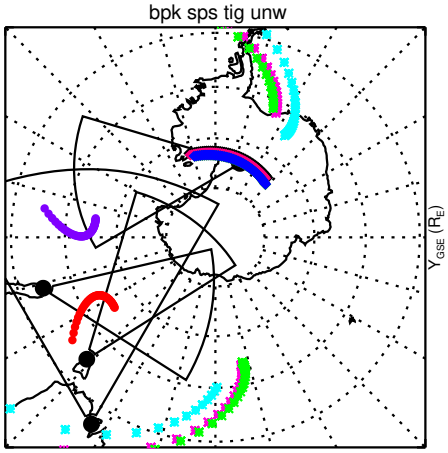


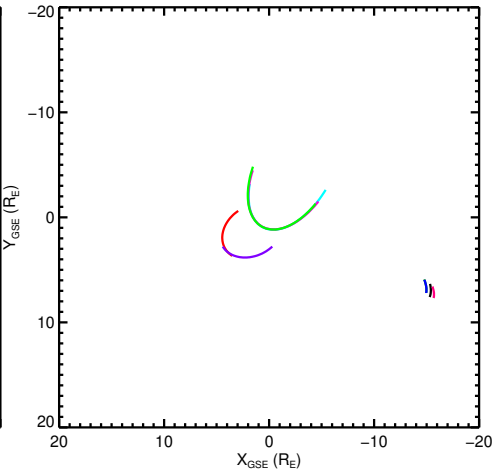


(a) 0025UT to 0415UT
ade adw bks cly cvw fhw hok kod ksr

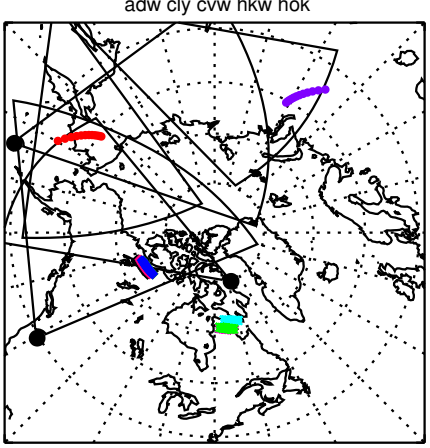


bpk sps tig unw

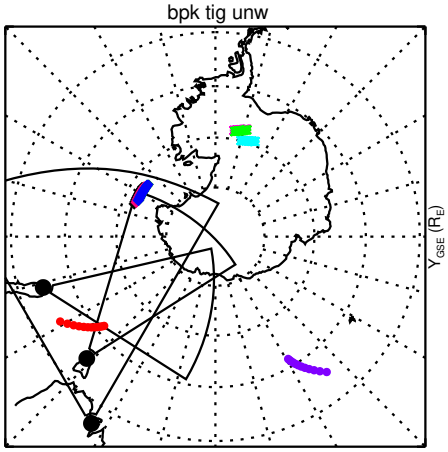


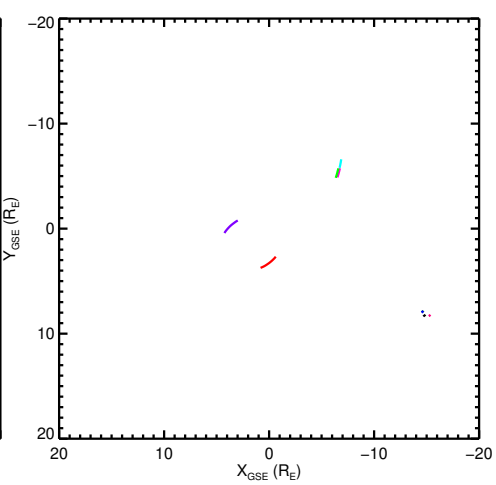


(b) 0625UT to 0720UT
adw cly cvw hkw hok

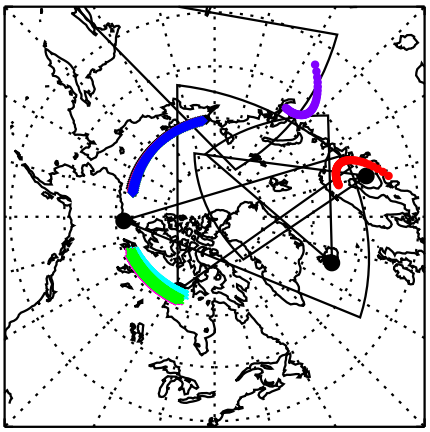


bpk tig unw





(c) 0925UT to 1320UT
han hkw inv pyk rkn



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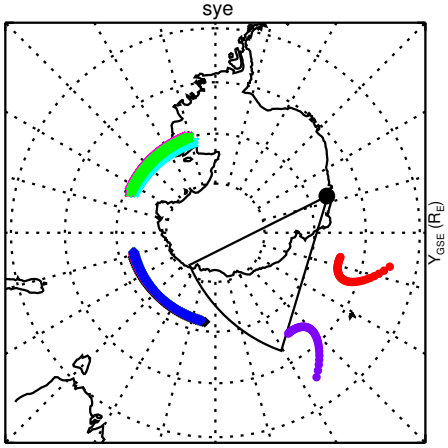
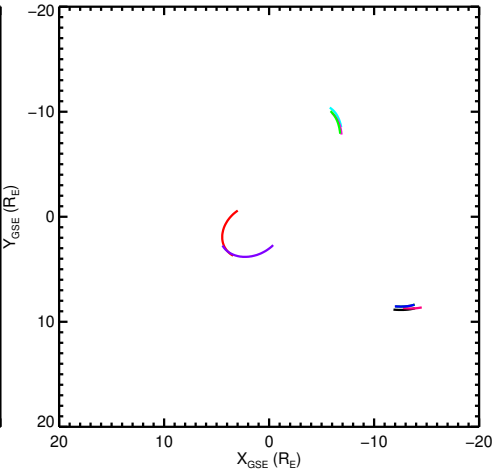
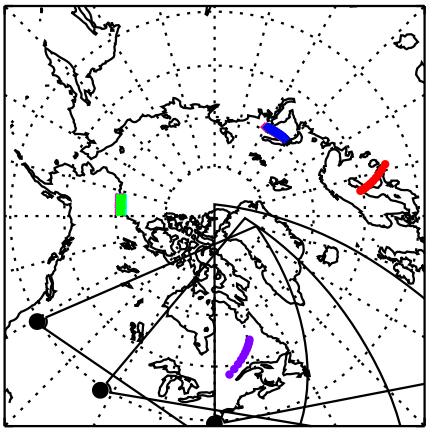
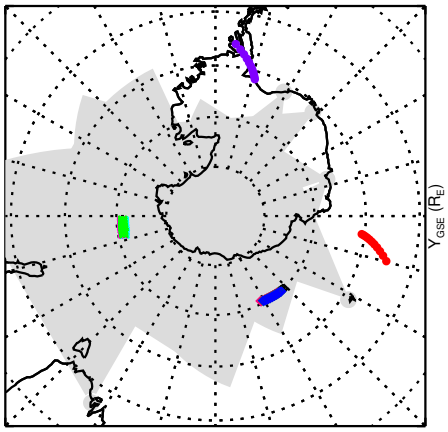
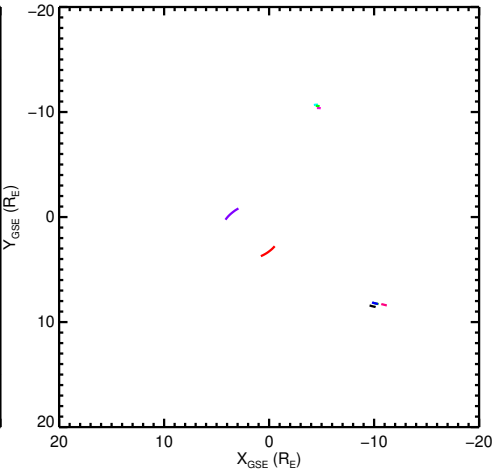




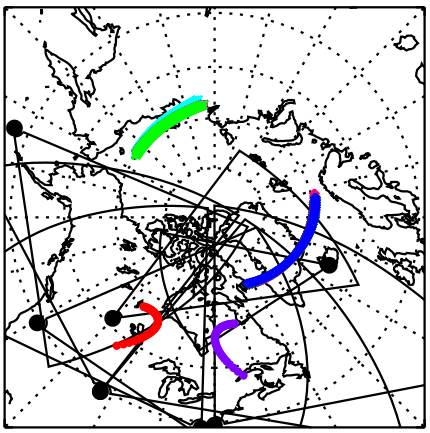
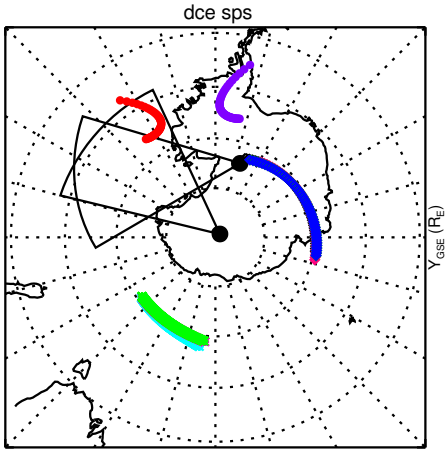
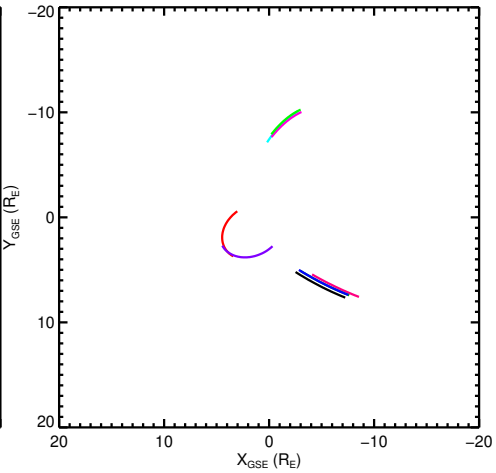
(d) 1525UT to 1615UT
cve fhe wal







(e) 1825UT to 2220UT
ade bks cve fhe fhw sas sto wal



dce sps