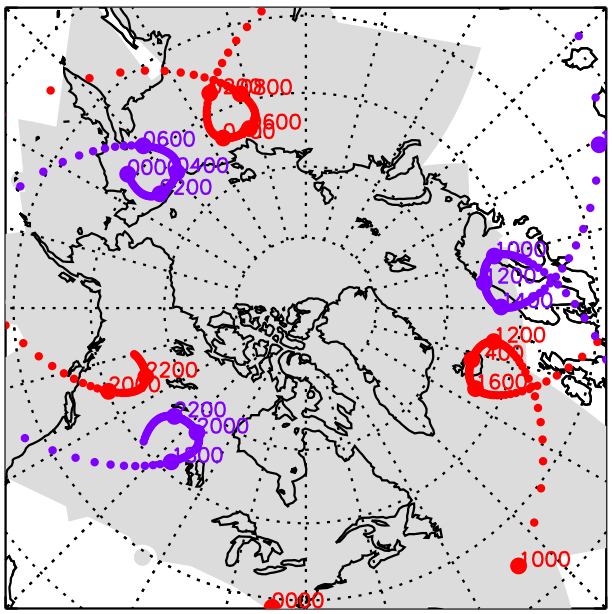
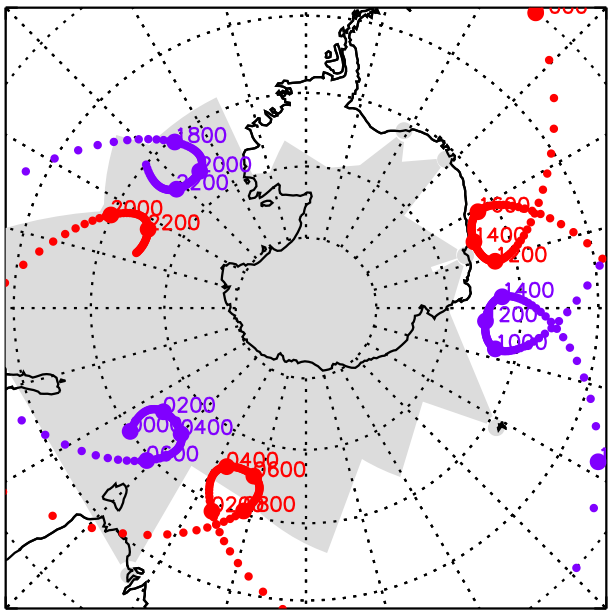
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

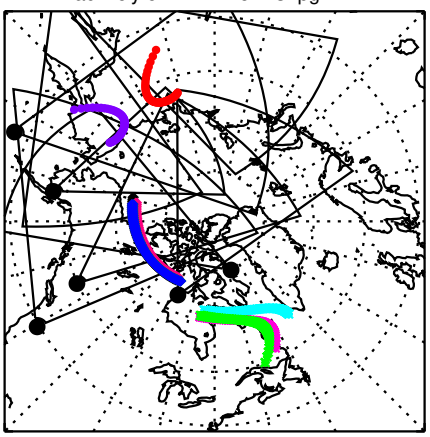
01–Nov–2015

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

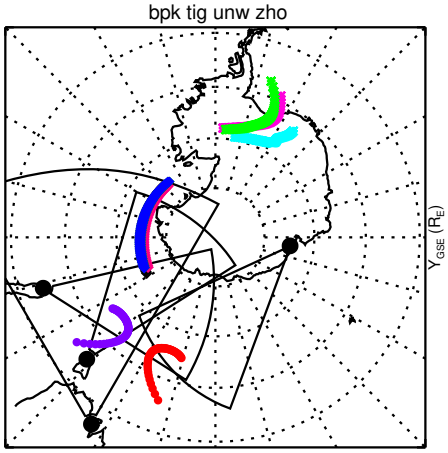


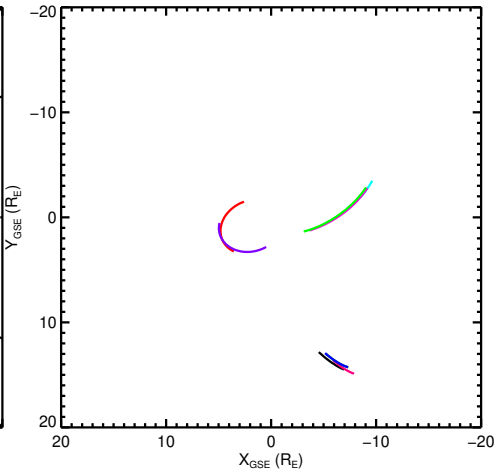


(a) 0140UT to 0625UT
adw cly cvw hkw hok ksr pgr rkn

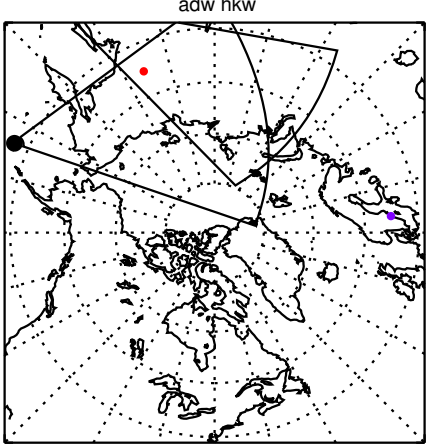


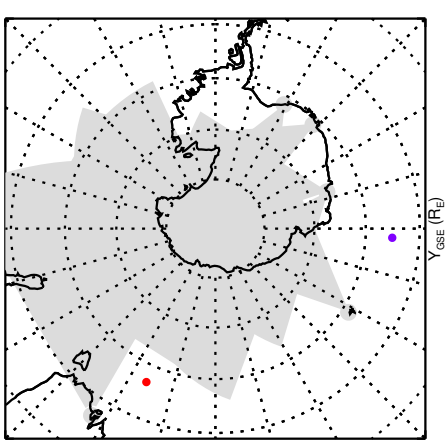
bpk tig unw zho

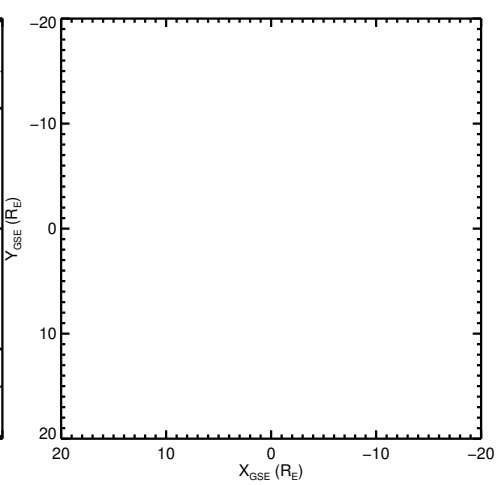




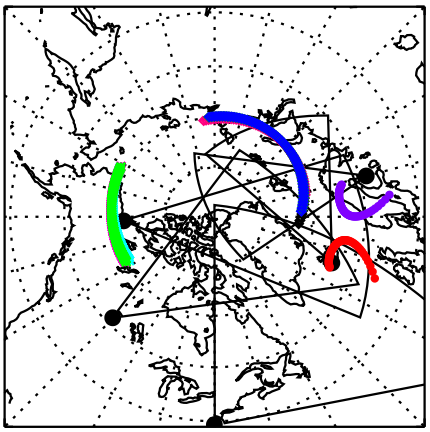
(b) 0830UT to 0830UT
adw hkw

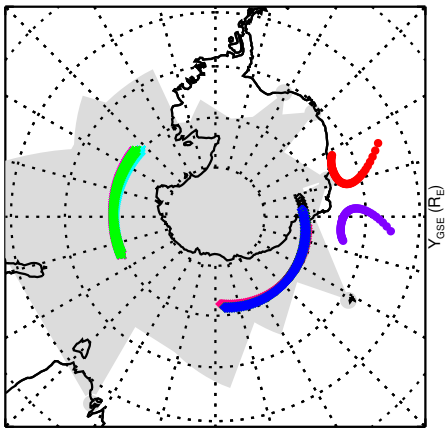


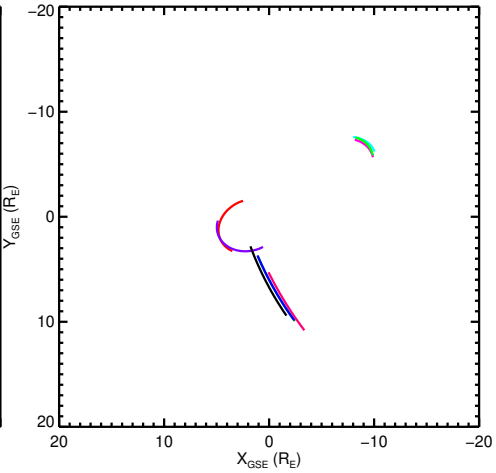




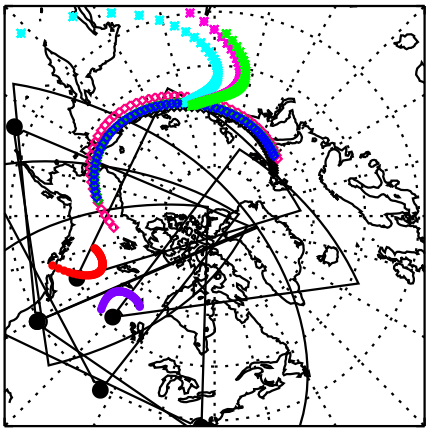
(c) 1035UT to 1525UT
han inv pyk sas wal



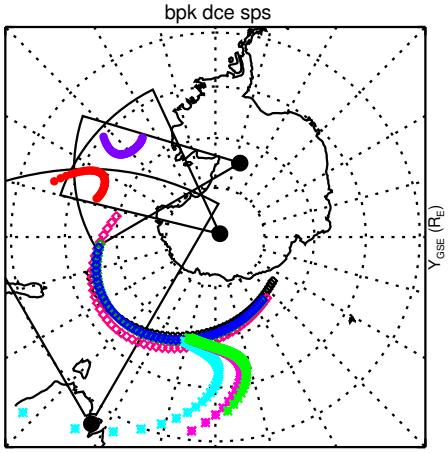


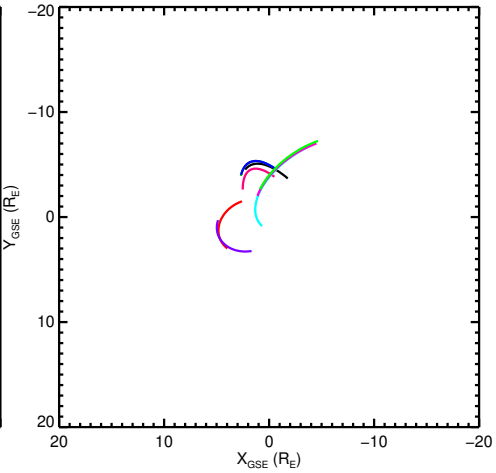


(d) 1935UT to 2355UT
ade bks cve cvw fhw pgr sas



bpk dce sps

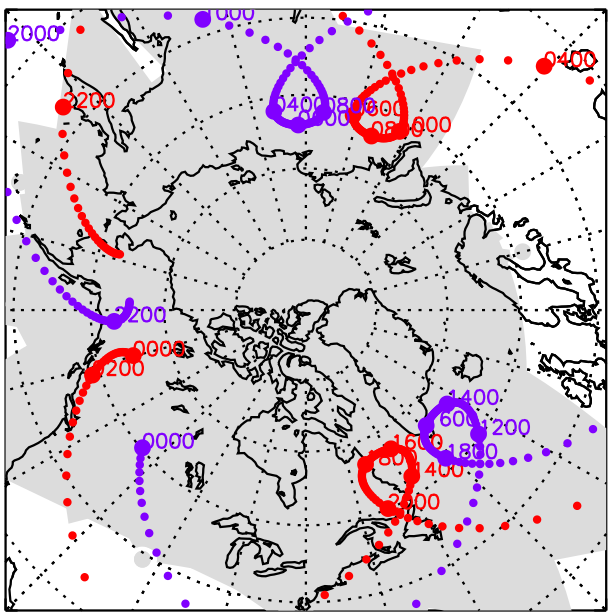


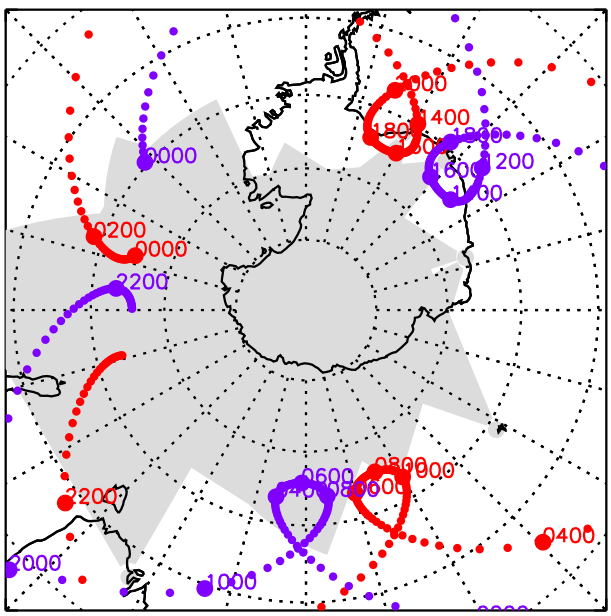


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

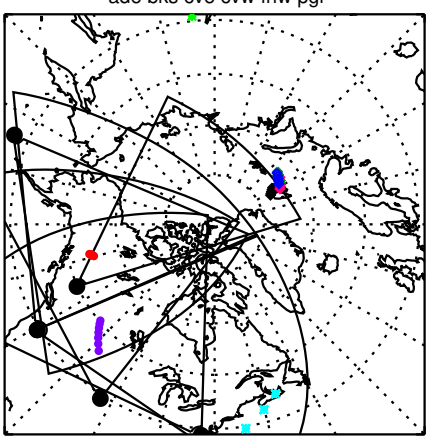
02–Nov–2015

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

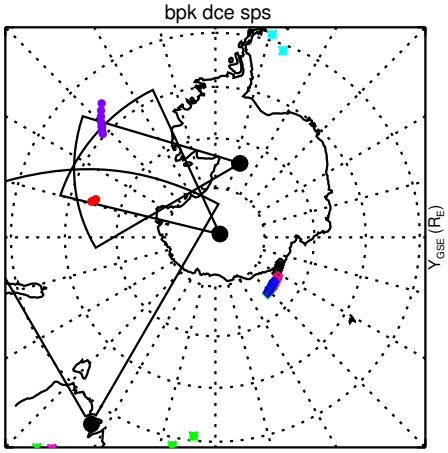


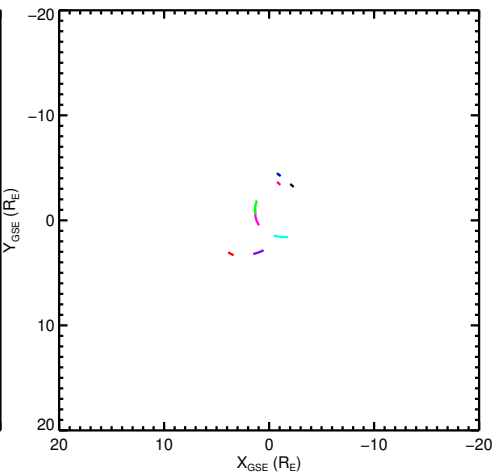


(a) 0000UT to 0030UT
ade bks cve cvw fhw pgr

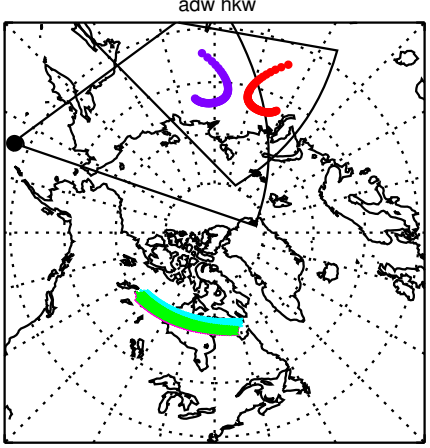


bpk dce sps

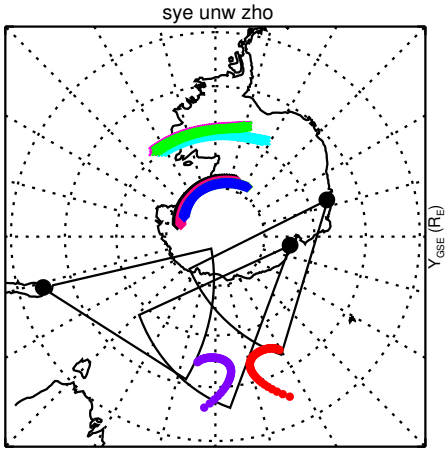


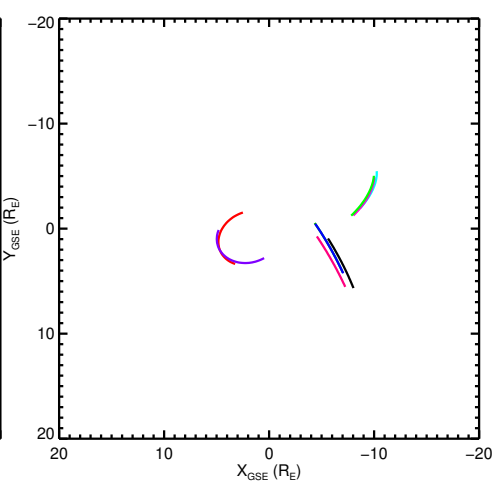


(b) 0430UT to 0935UT
adw hkw

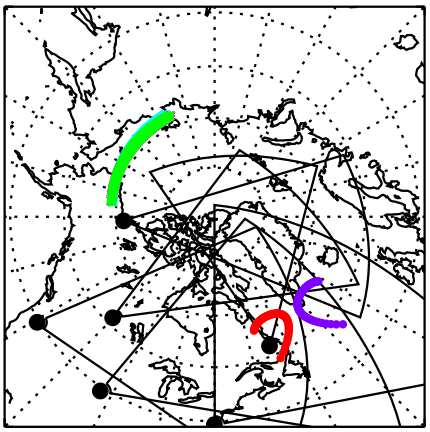


sye unw zho

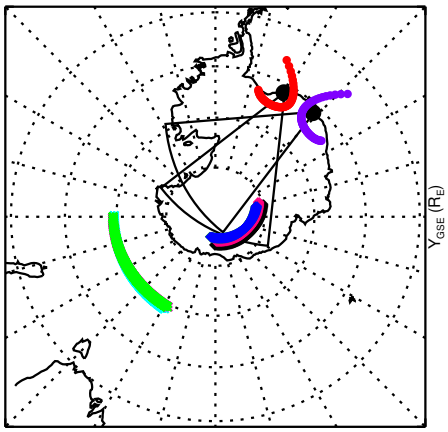


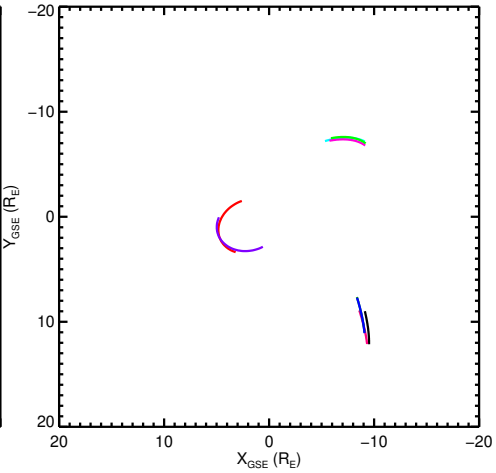


(c) 1330UT to 1835UT
cve fhe gbr inv sas wal

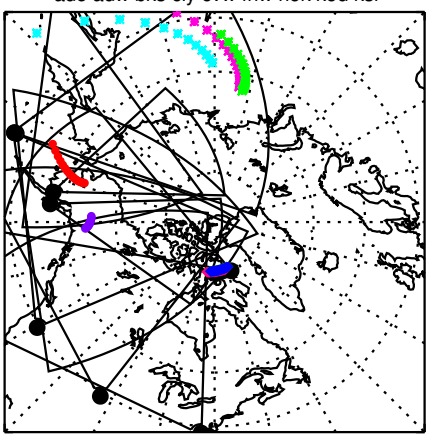


hal san

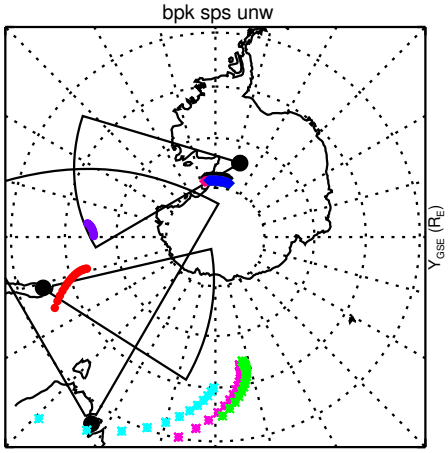


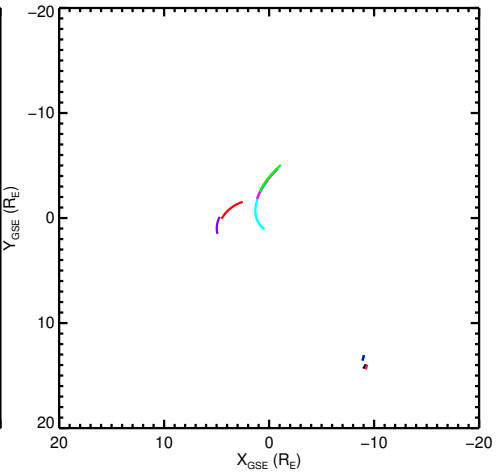


(d) 2225UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps unw

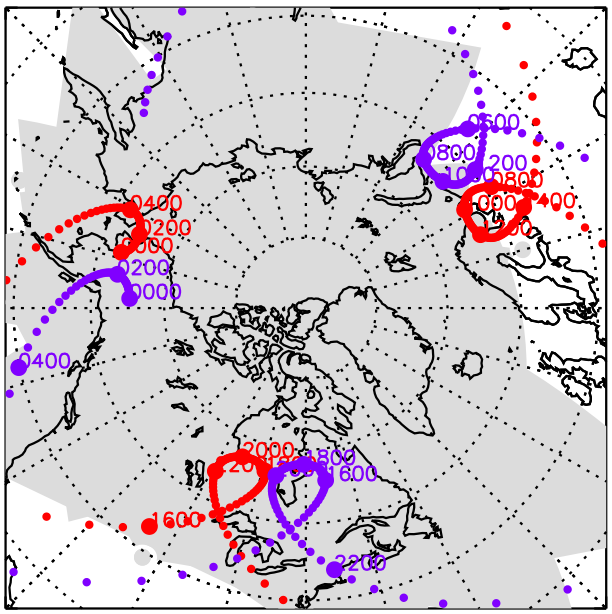


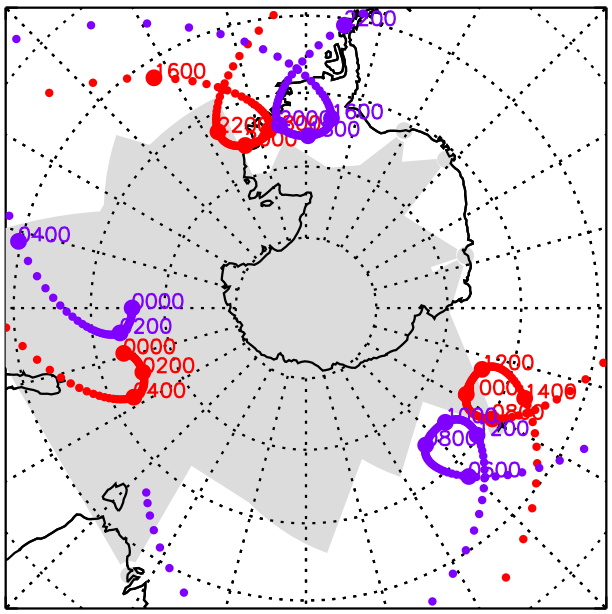


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

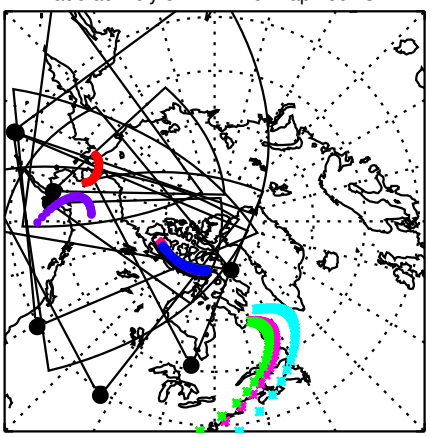
03–Nov–2015

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

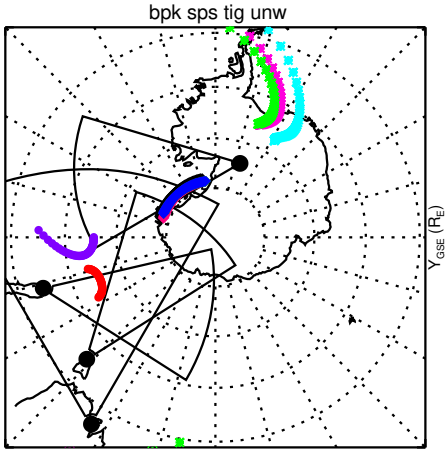


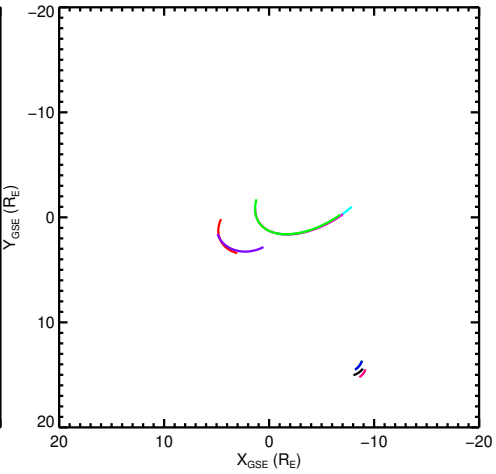


(a) 0000UT to 0340UT
ade adw cly cvw fhw hok kap kod ksr

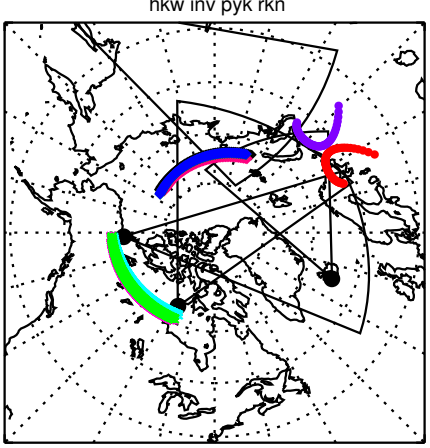


bpk sps tig unw





(b) 0725UT to 1240UT
hkw inv pyk rkn



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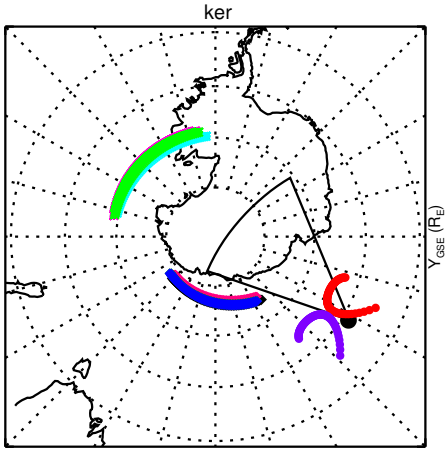
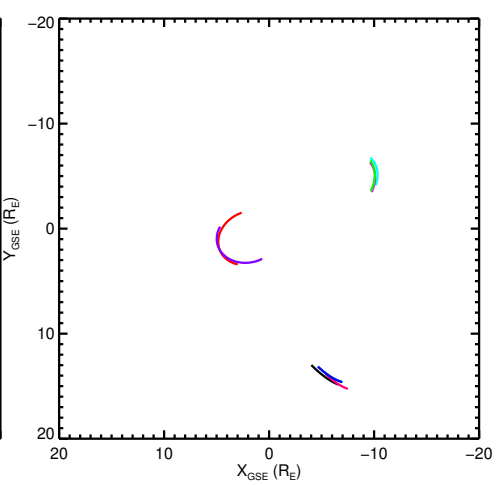
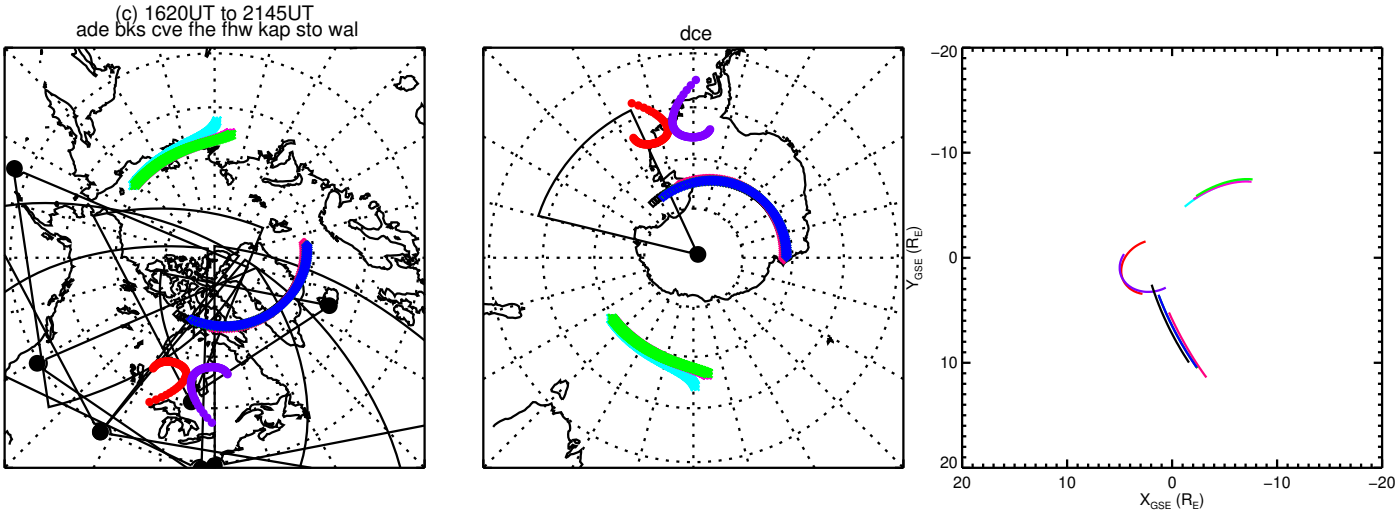


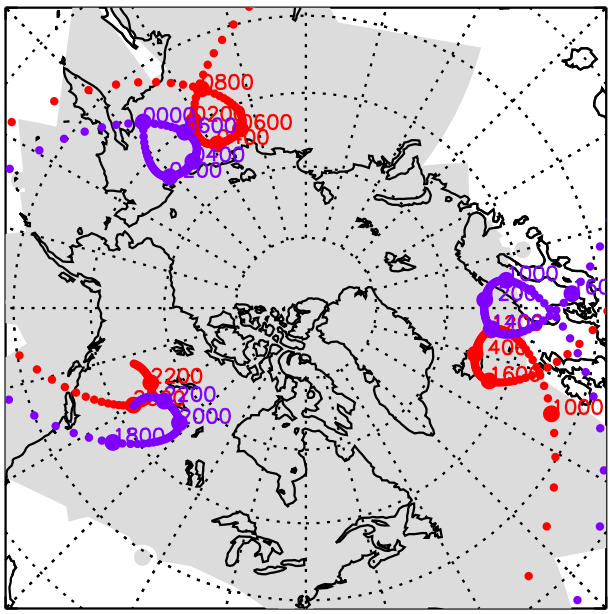


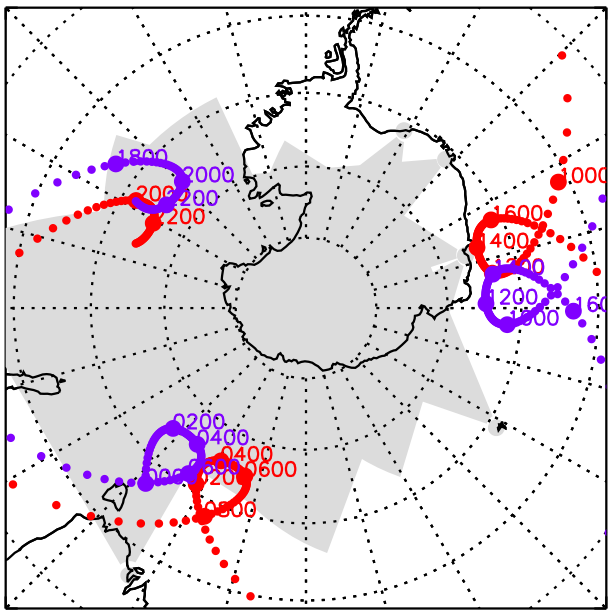

(c) 1620UT to 2145UT
ade bks cve fhe fhw kap sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

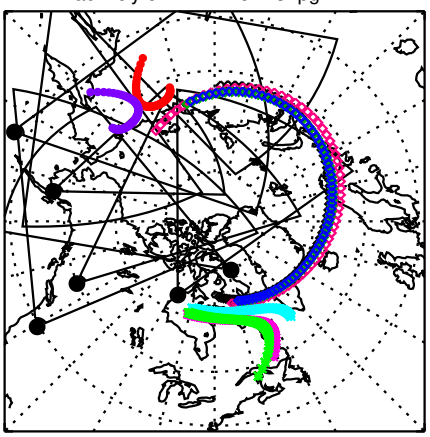
04–Nov–2015

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

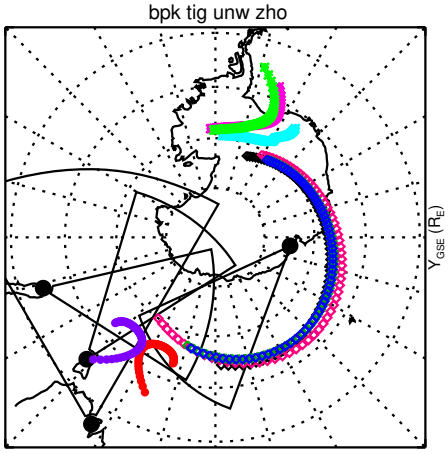


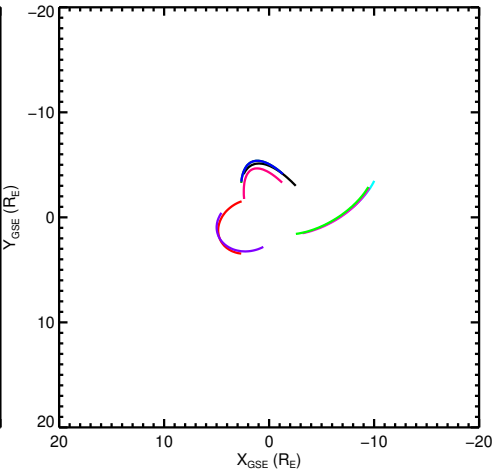


(a) 0120UT to 0650UT
adw cly cvw hkw hok ksr pgr rkn

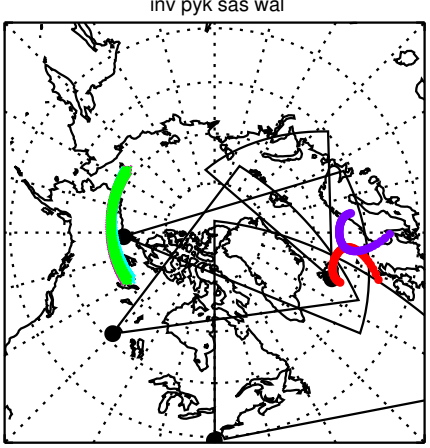


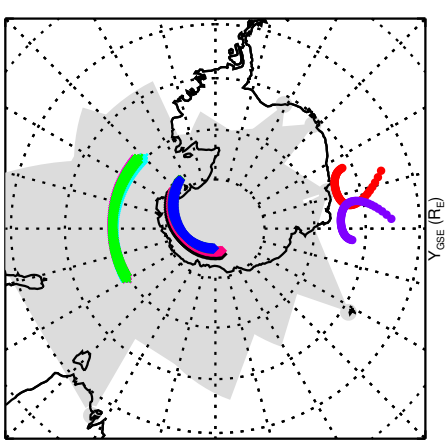
bpk tig unw zho

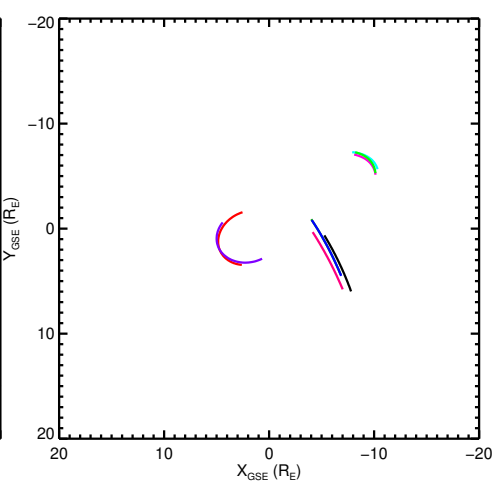


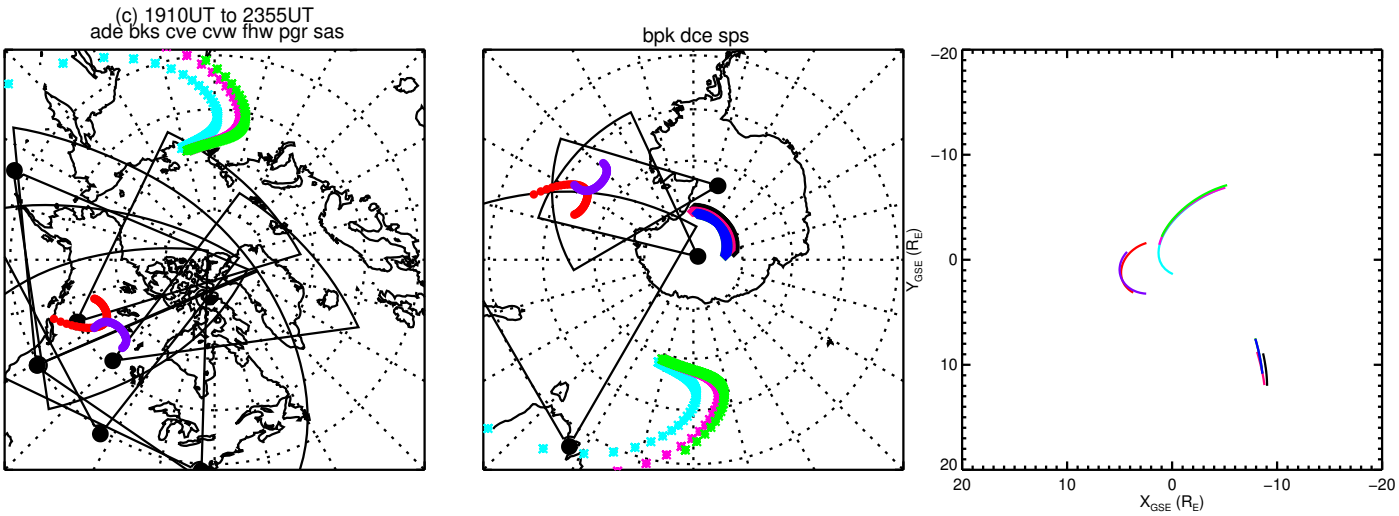


(b) 1015UT to 1550UT
inv pyk sas wal





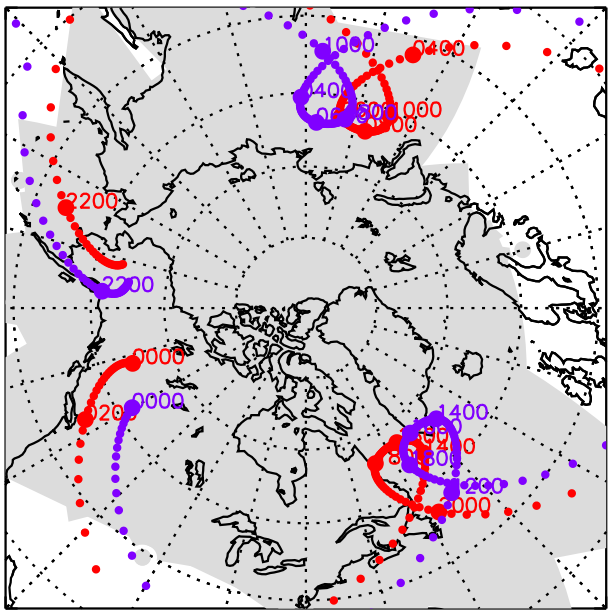


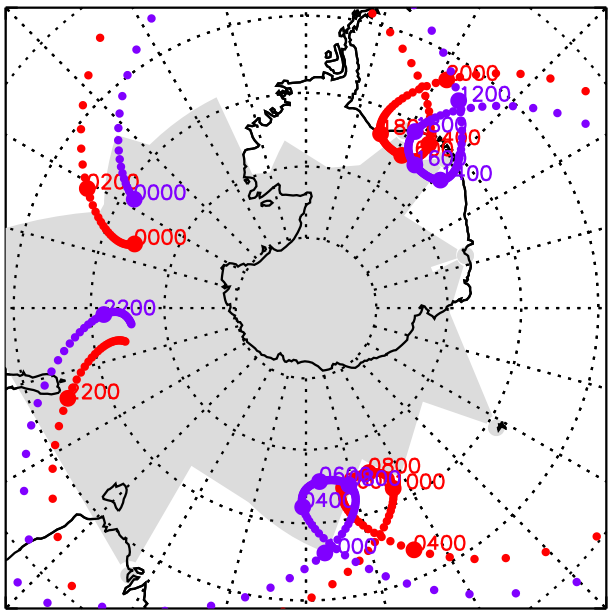

(c) 1910UT to 2355UT
ade bks cve cvw fhw pgr sas
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

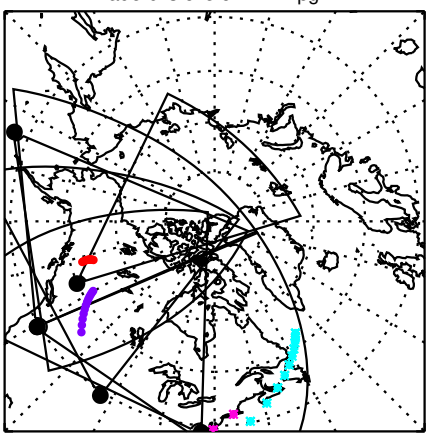
05–Nov–2015

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

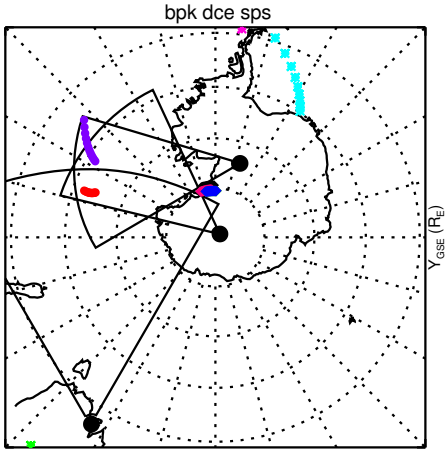


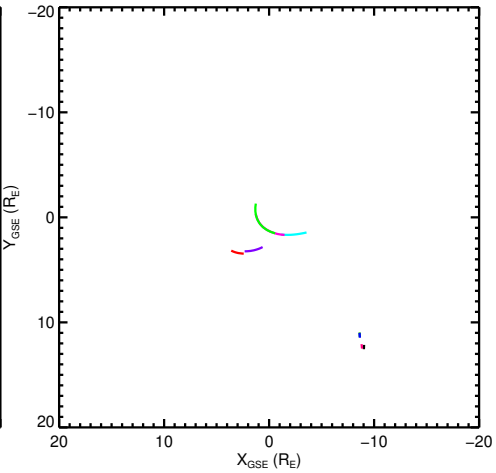


(a) 0000UT to 0055UT
ade bks cve cvw fhw pgr

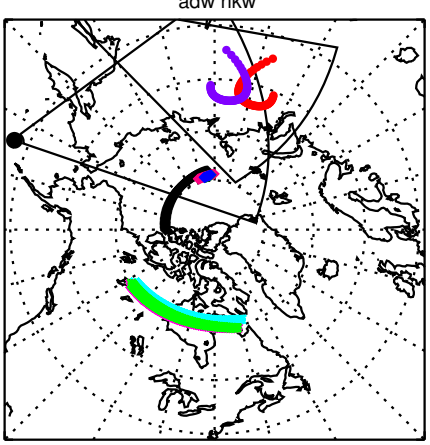


bpk dce sps

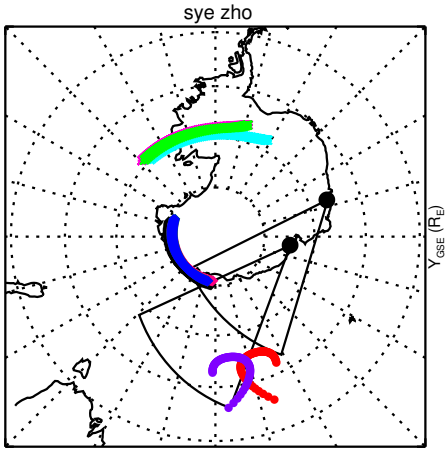


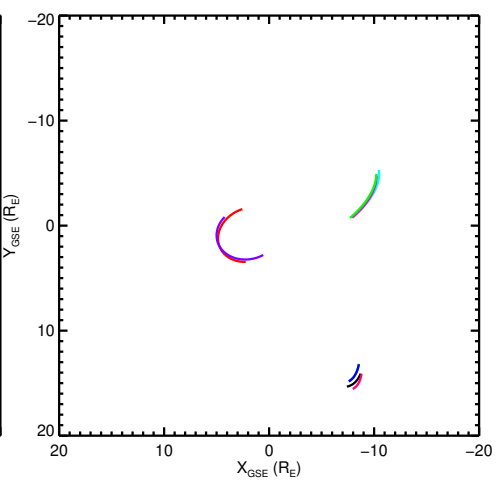


(b) 0410UT to 1000UT
adw hkw

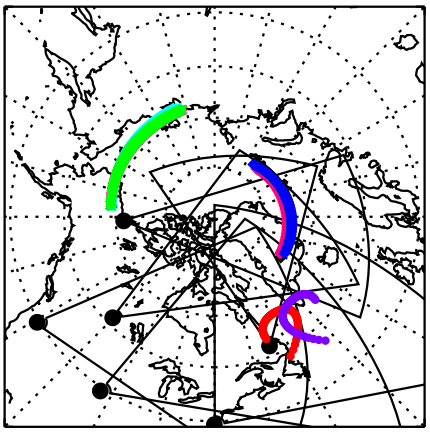


sye zho

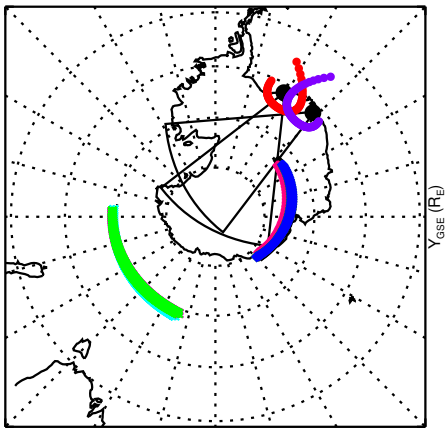


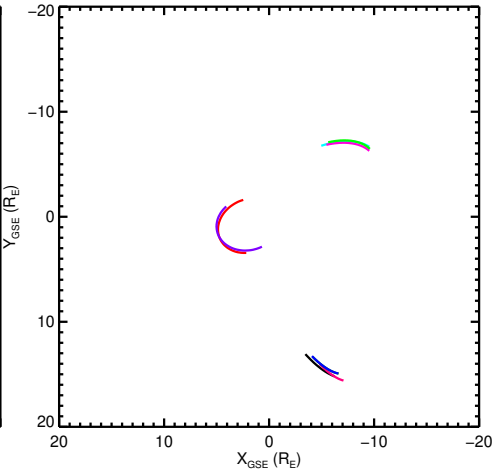


(c) 1305UT to 1900UT
cve fhe gbr inv sas wal

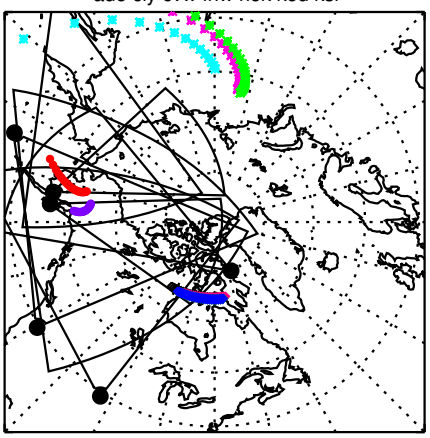


hal san

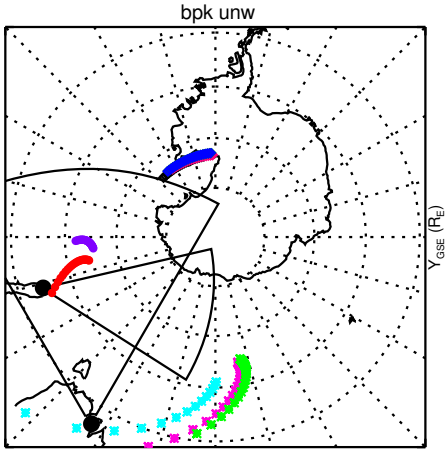


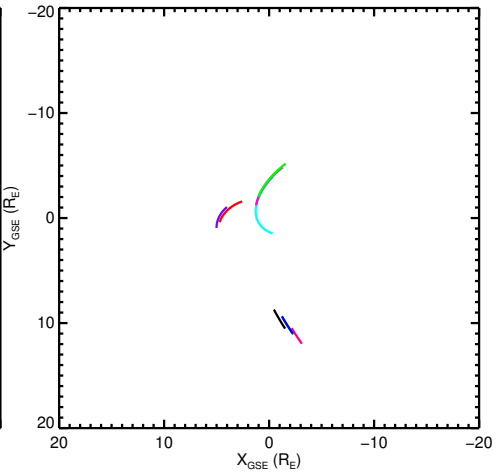


(d) 2205UT to 2355UT
ade cly cvw fhw hok kod ksr



bpk unw

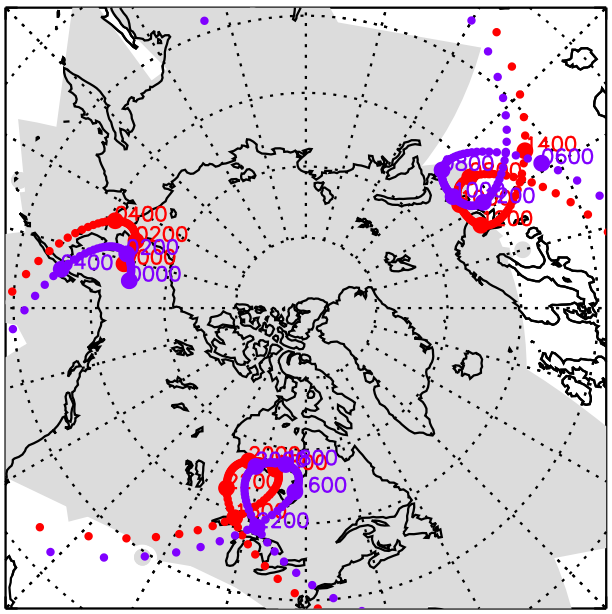


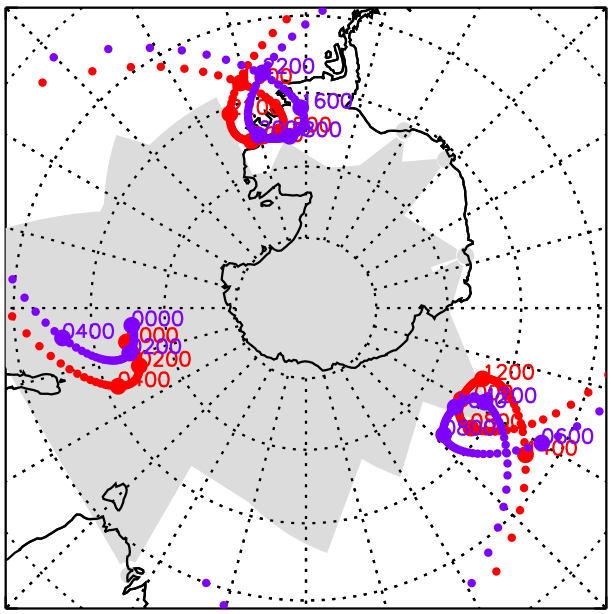


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

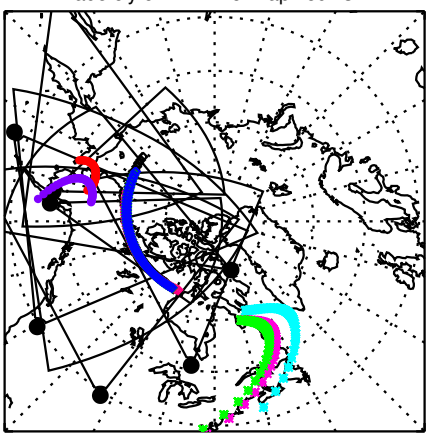
06–Nov–2015

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

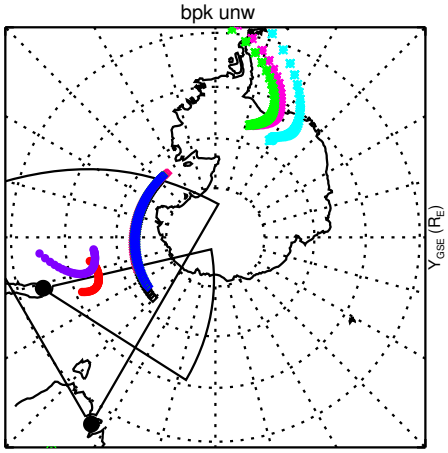


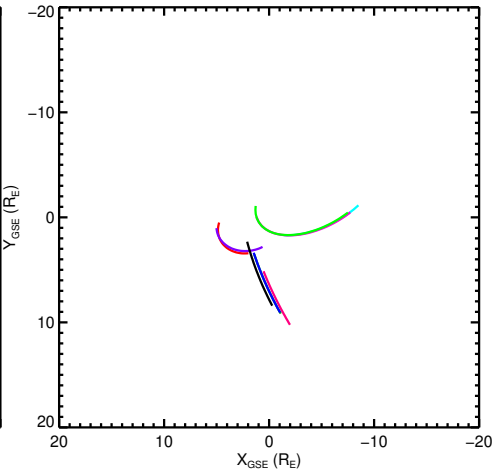


(a) 0000UT to 0405UT
ade cly cvw fhw hok kap kod ksr

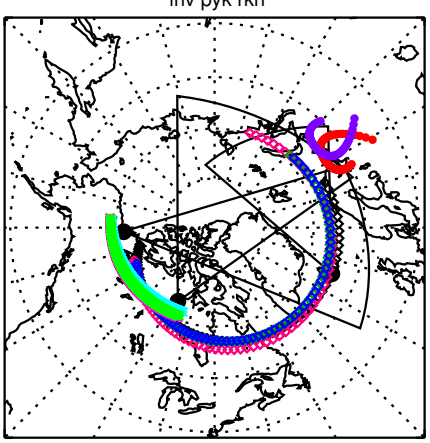


bpk unw

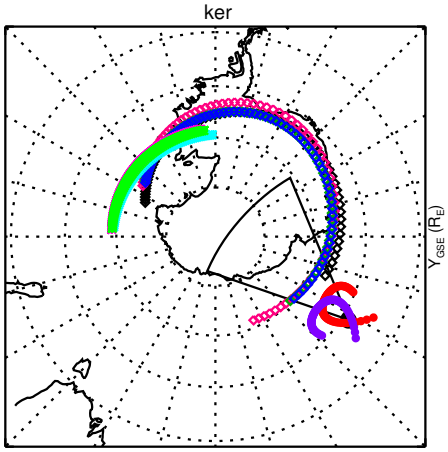


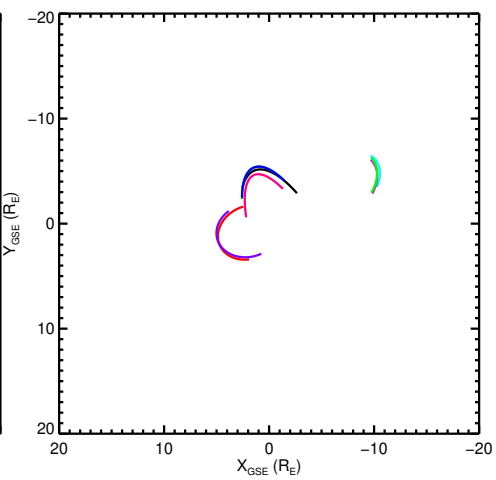


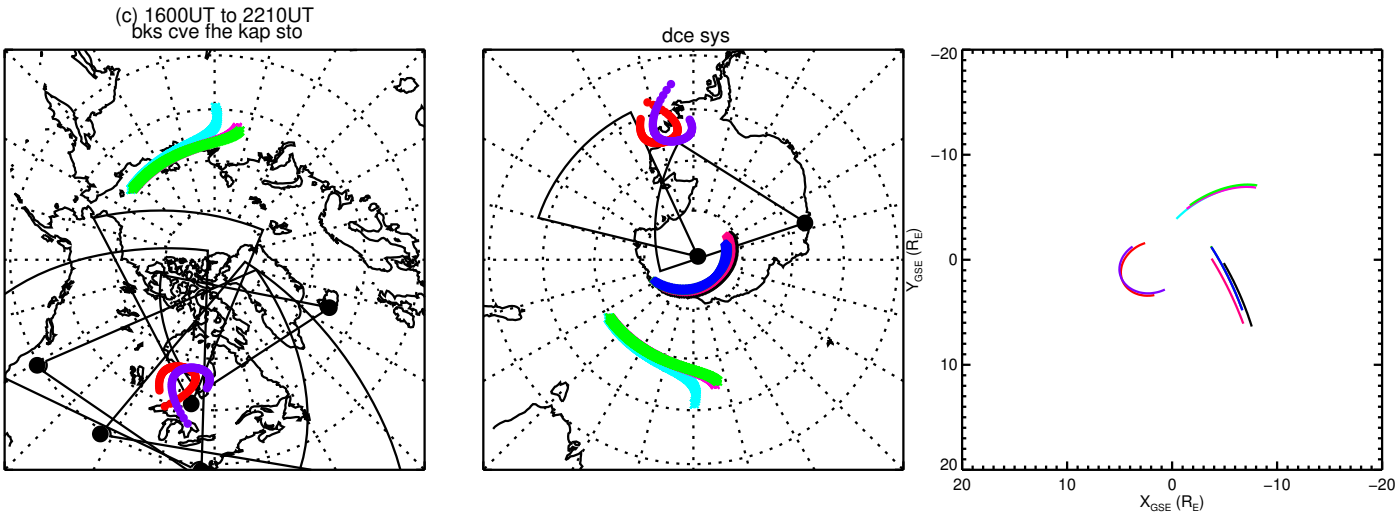
(b) 0700UT to 1305UT
inv pyk rkn



ker



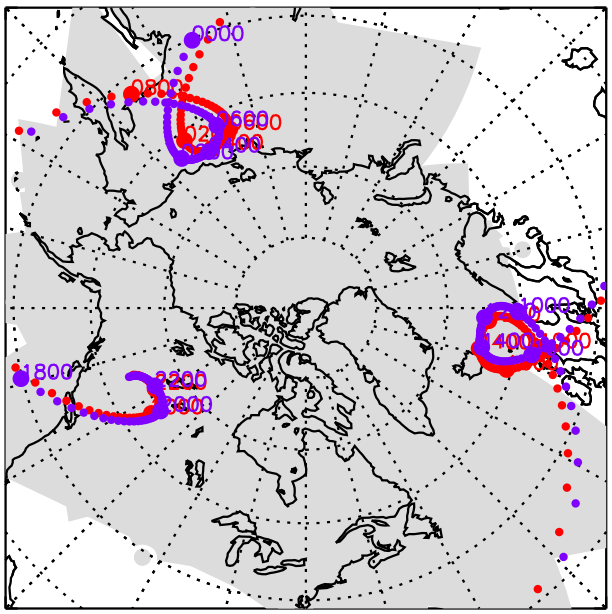


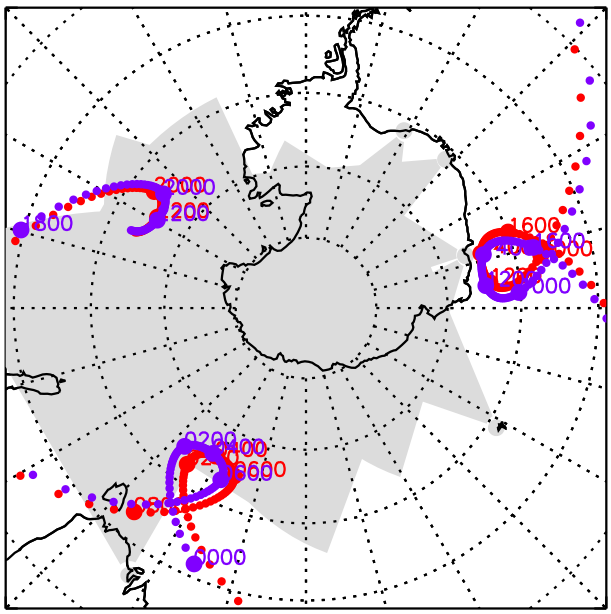

(c) 1600UT to 2210UT
bks cve fhe kap sto
dce sys
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

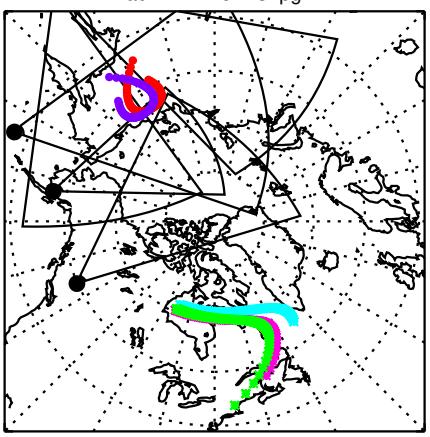
07–Nov–2015

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

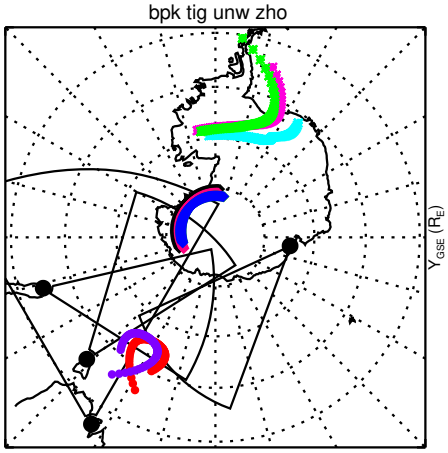


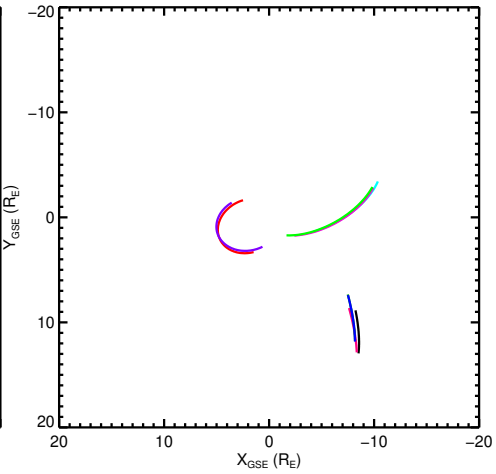


(a) 0055UT to 0715UT
adw hkw hok ksr pgr

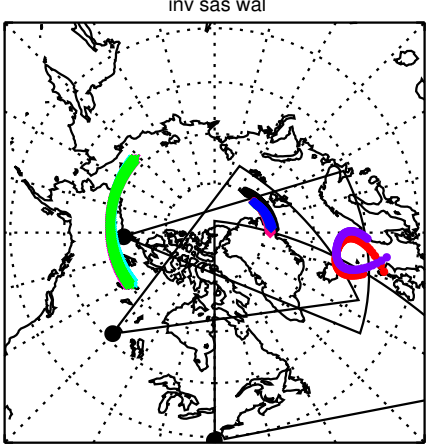


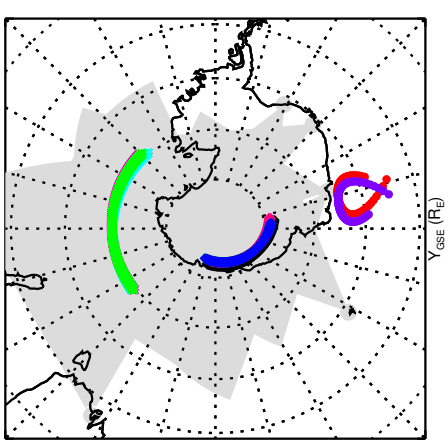
bpk tig unw zho

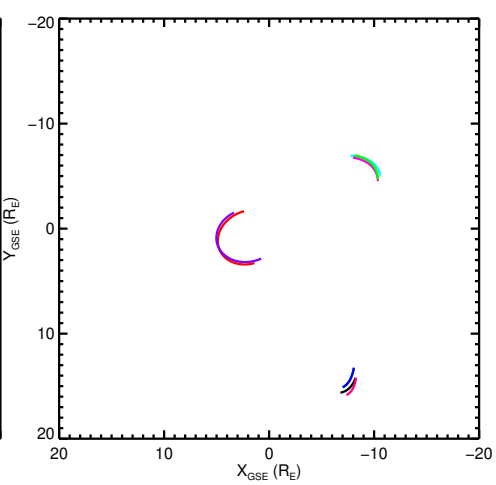


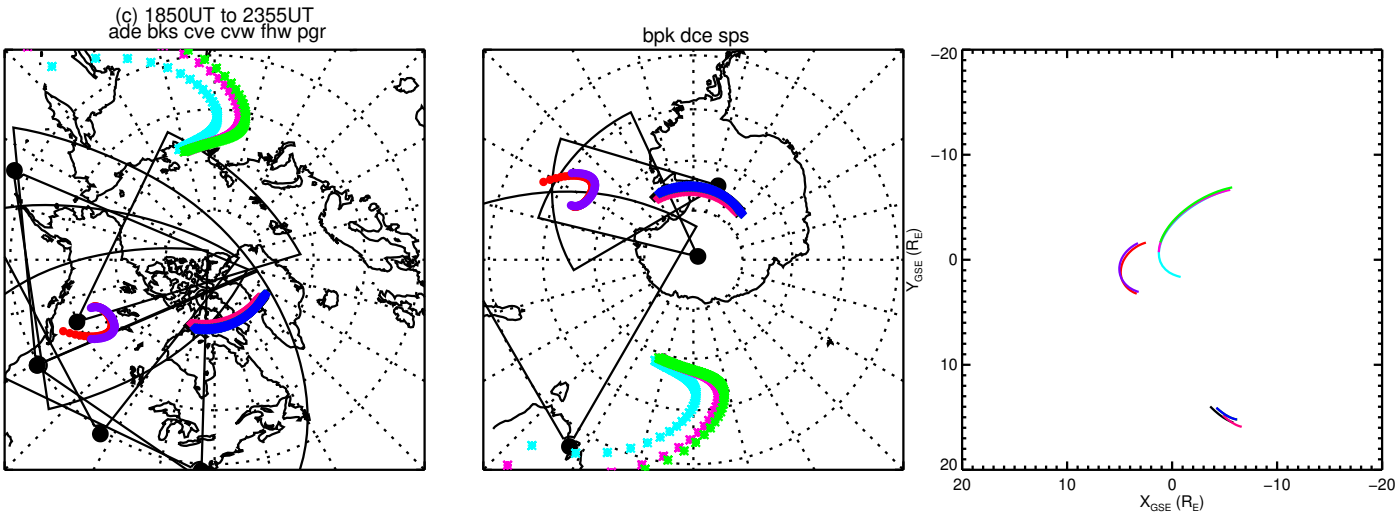


(b) 0950UT to 1615UT
inv sas wal





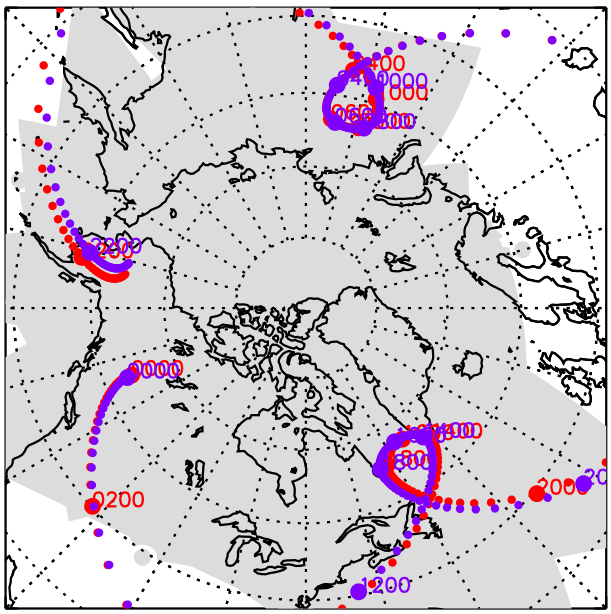


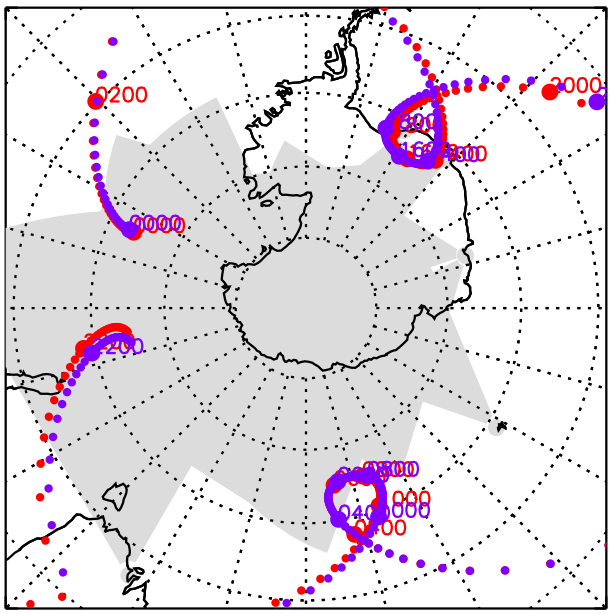

(c) 1850UT to 2355UT
ade bks cve cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

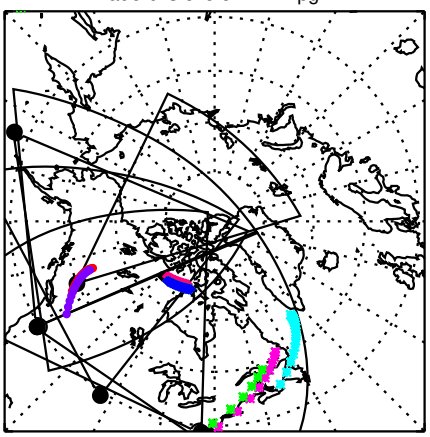
08–Nov–2015

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

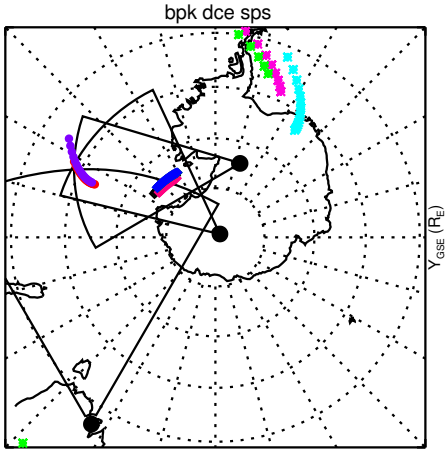


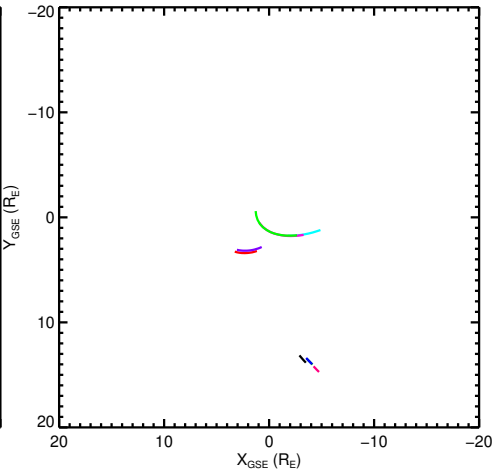


(a) 0000UT to 0120UT
ade bks cve cvw fhw pgr

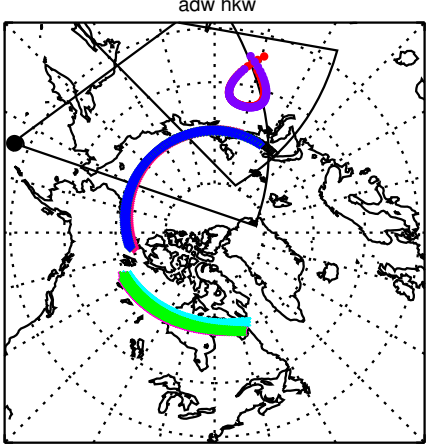


bpk dce sps

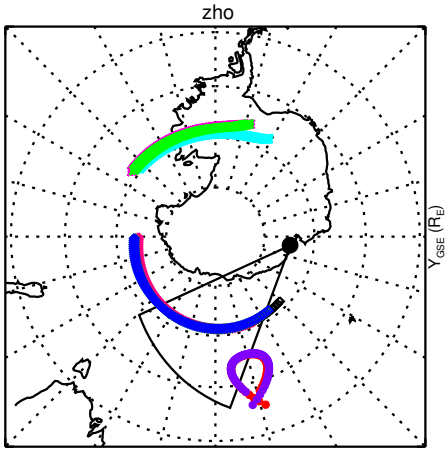


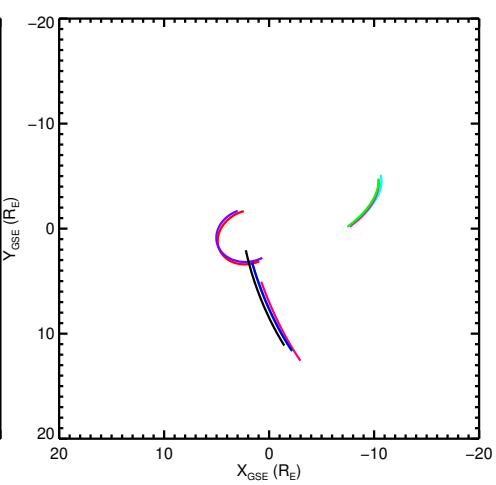


(b) 0345UT to 1025UT
adw hkw

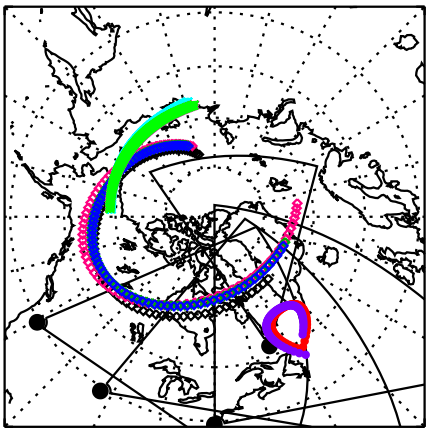


zho

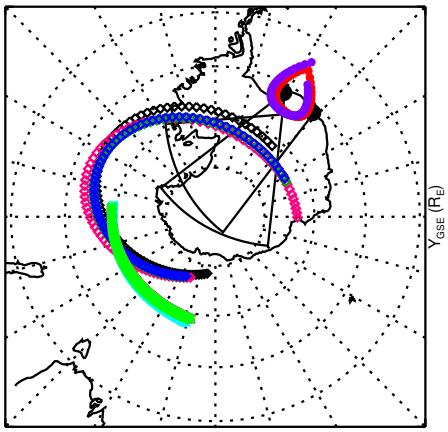


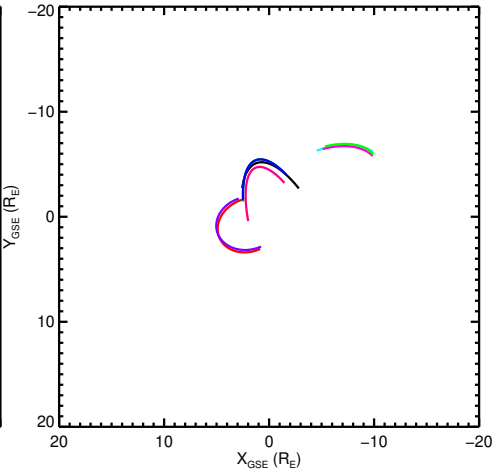


(c) 1245UT to 1925UT
cve fhe gbr wal

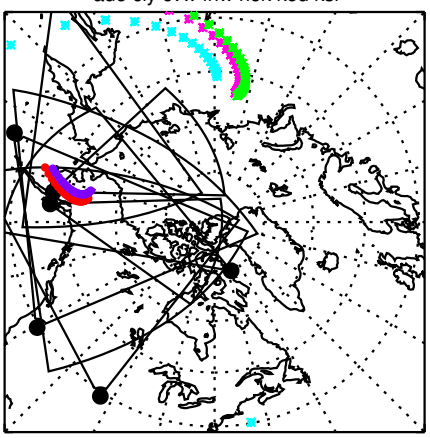


hal san

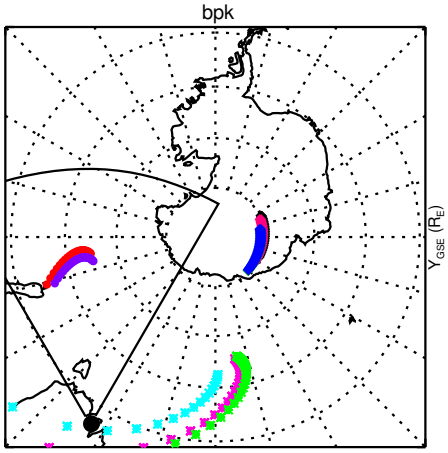


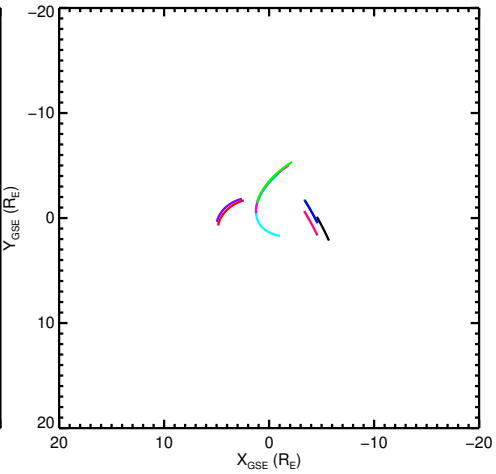


(d) 2140UT to 2355UT
ade cly cvw fhw hok kod ksr



bpk

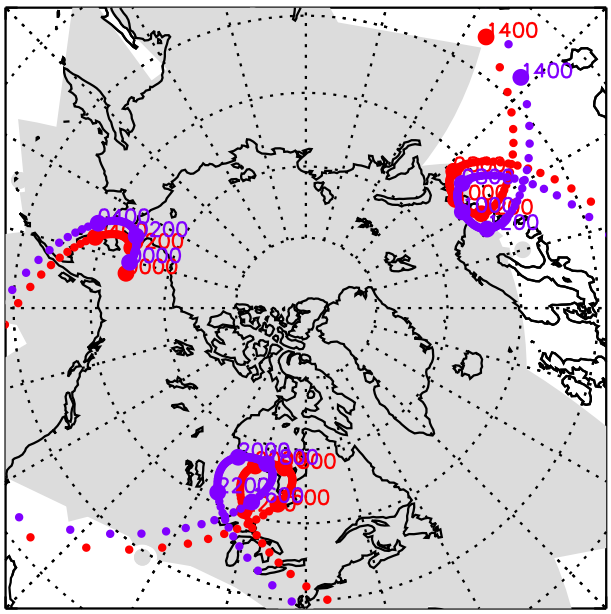


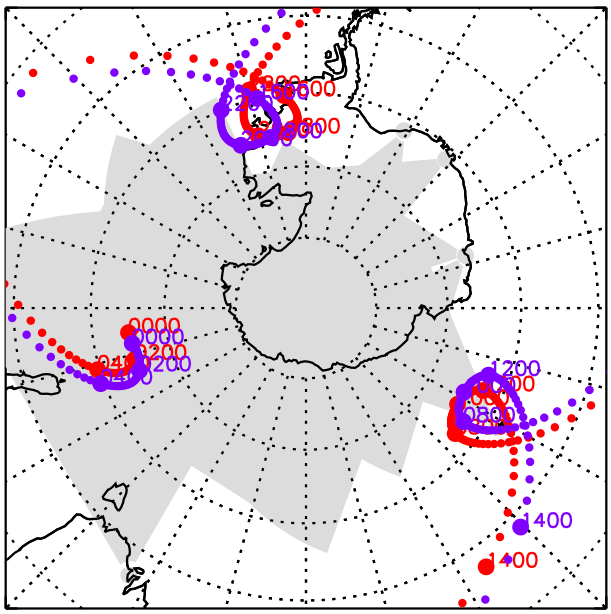


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

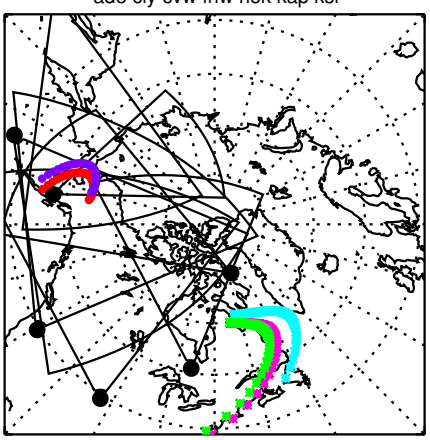
09–Nov–2015

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

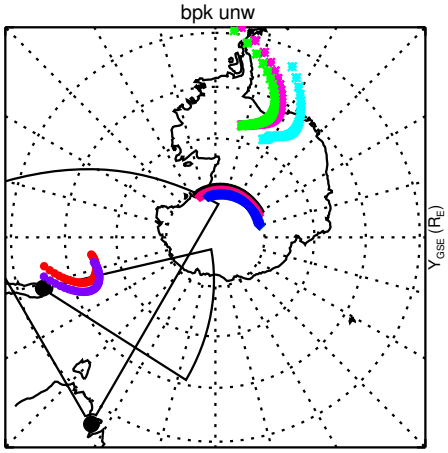


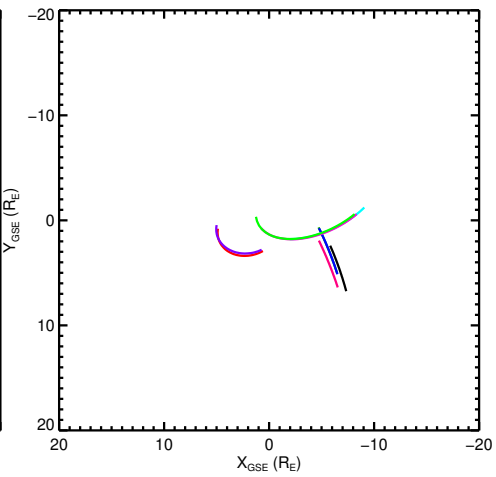


(a) 0000UT to 0430UT
ade cly cvw fhw hok kap ksr

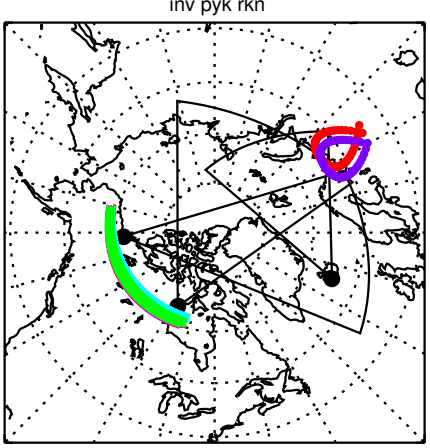


bpk unw

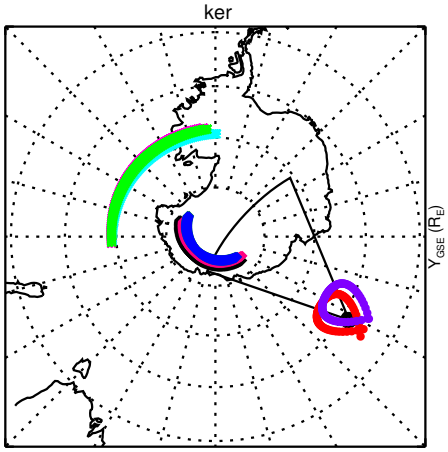


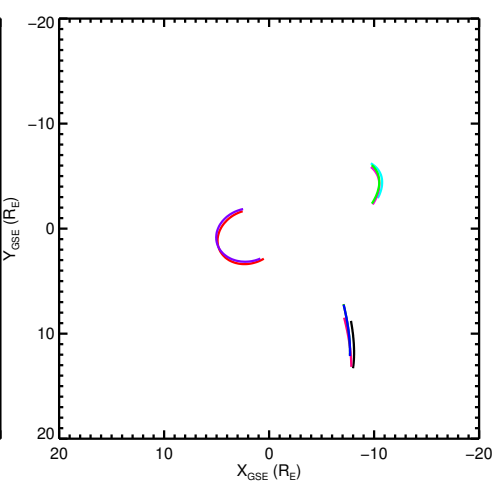


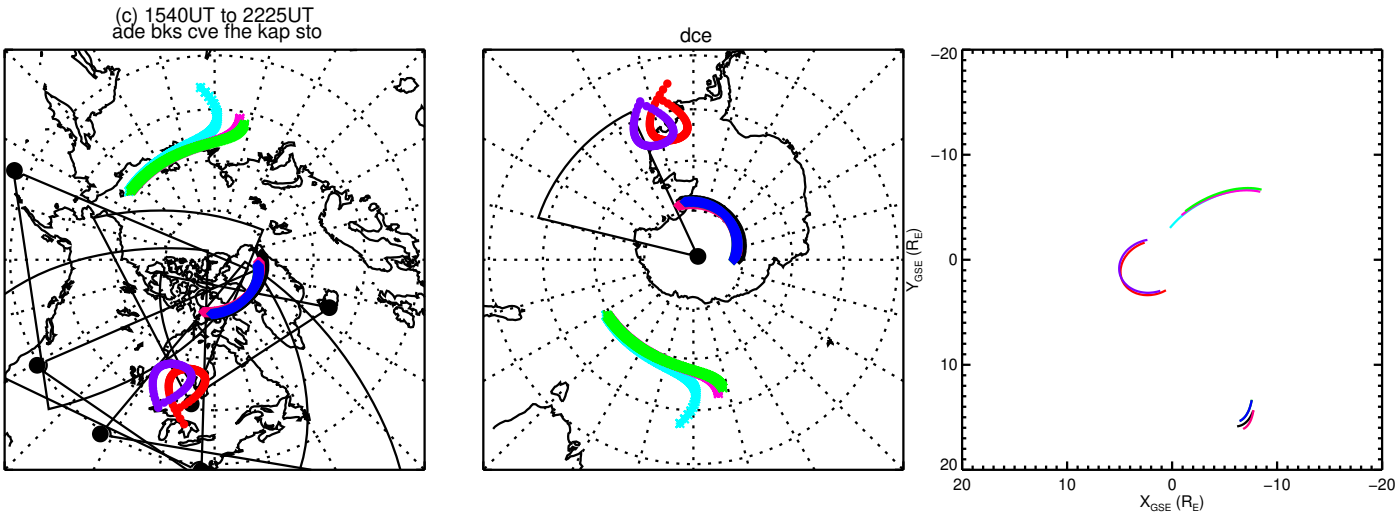
(b) 0640UT to 1330UT
inv pyk rkn



ker



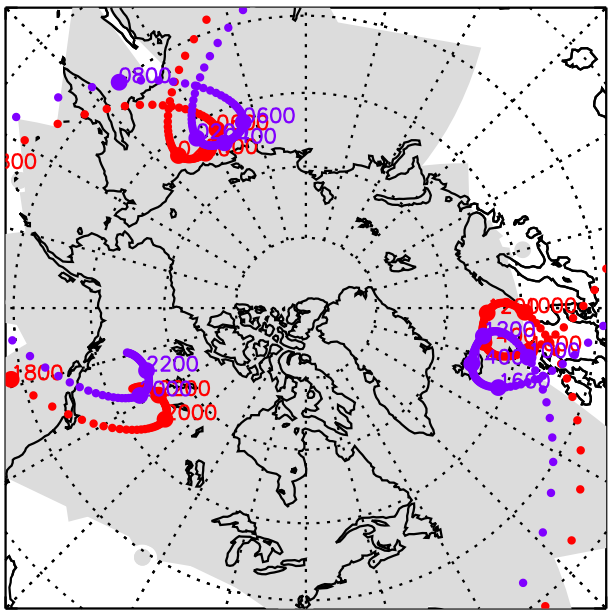


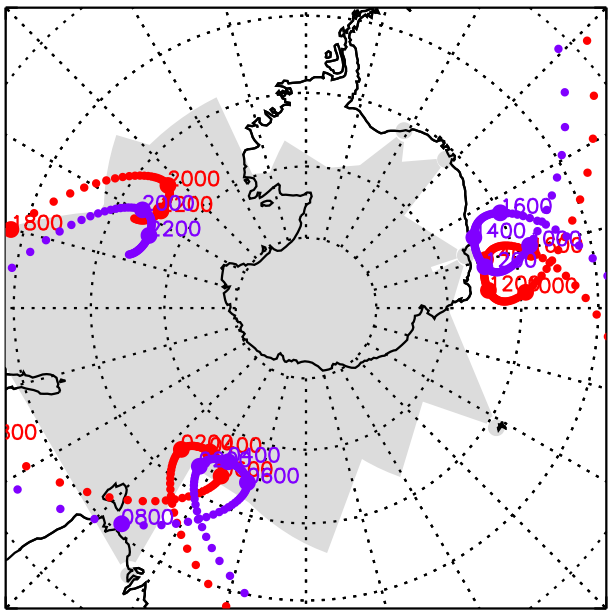

(c) 1540UT to 2225UT
ade bks cve fhe kap sto
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

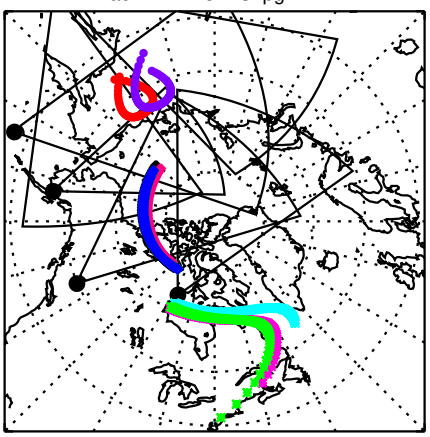
10–Nov–2015

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

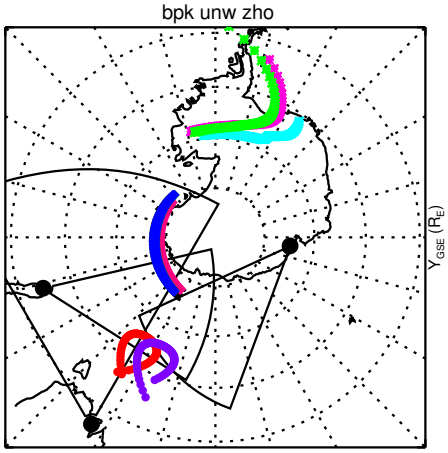


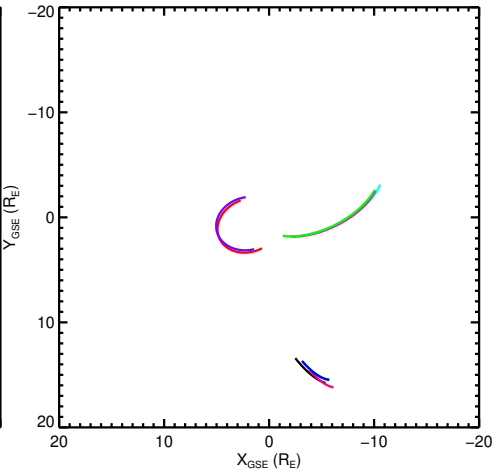


(a) 0040UT to 0720UT
adw hkw hok ksr pgr rkn

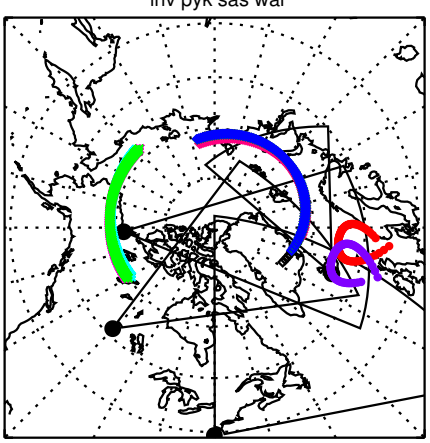


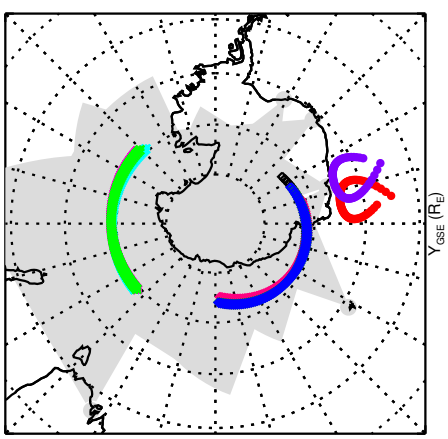
bpk unw zho

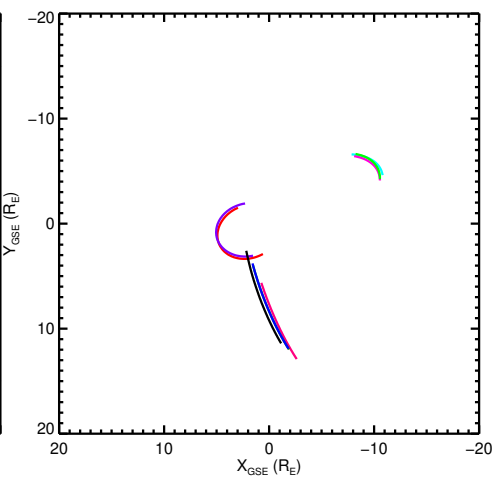


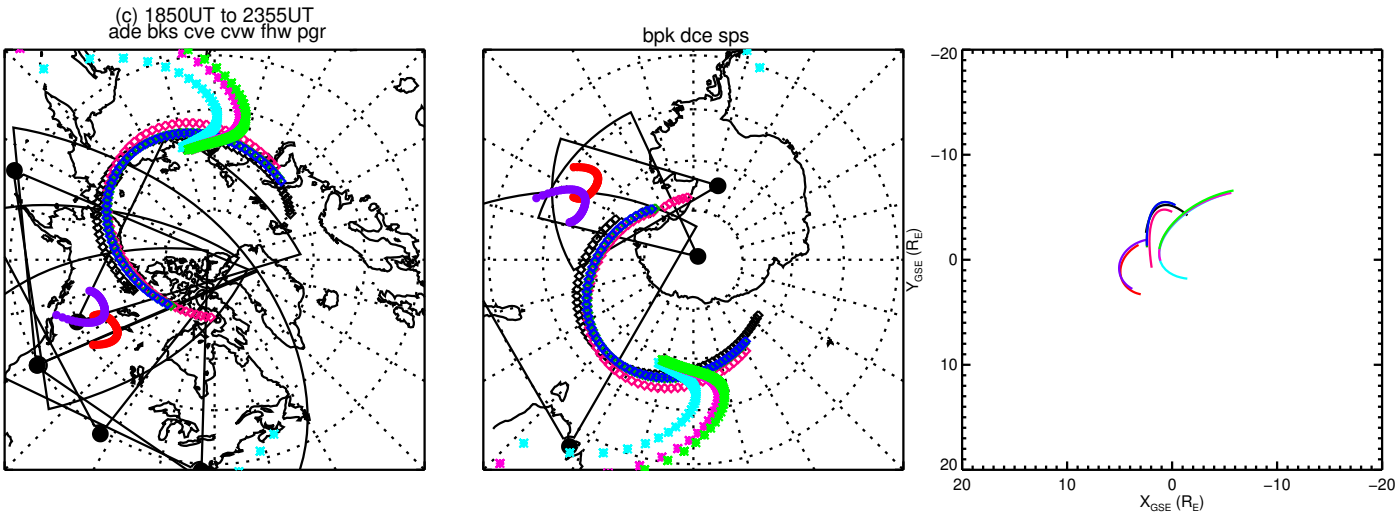


(b) 0945UT to 1620UT
inv pyk sas wal





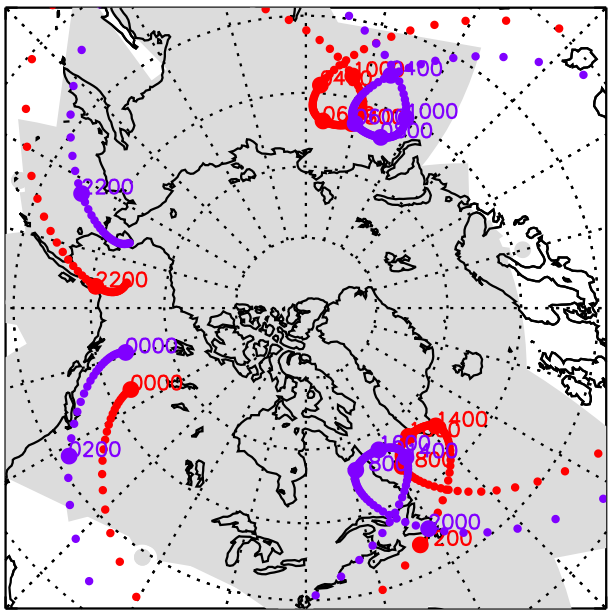


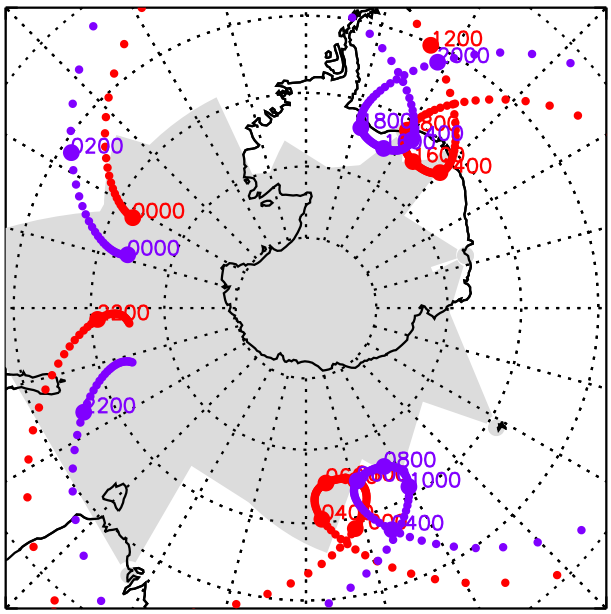

(c) 1850UT to 2355UT
ade bks cve cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

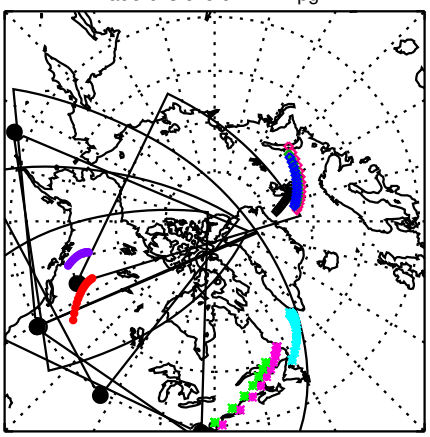
11–Nov–2015

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

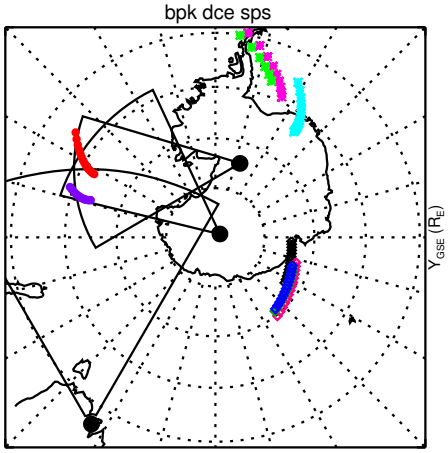


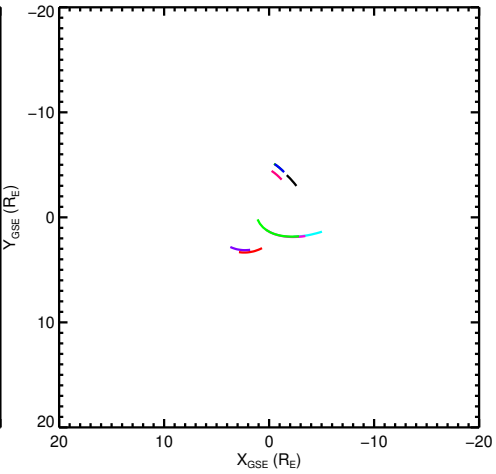


(a) 0000UT to 0115UT
ade bks cve cvw fhw pgr

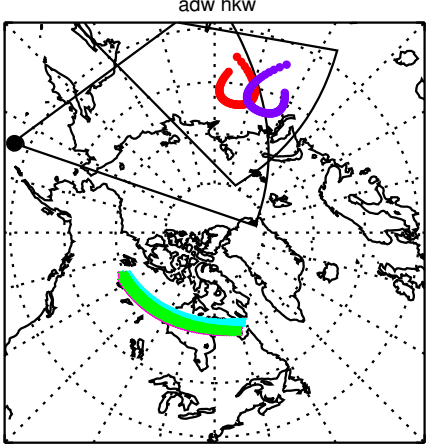


bpk dce sps

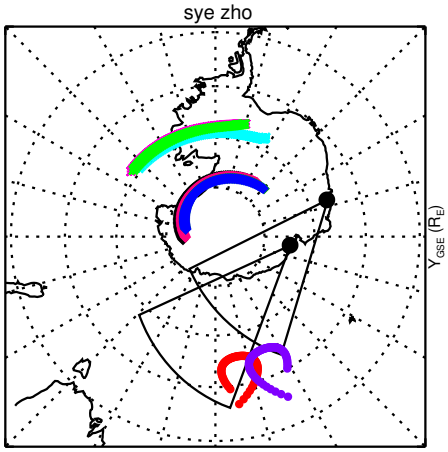


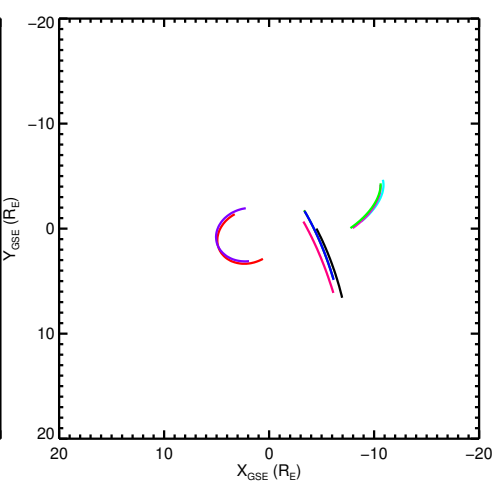


(b) 0350UT to 1015UT
adw hkw

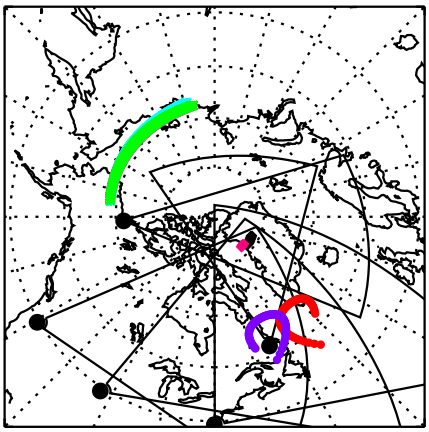


sye zho

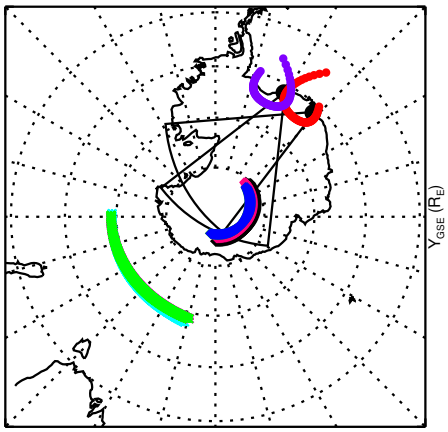


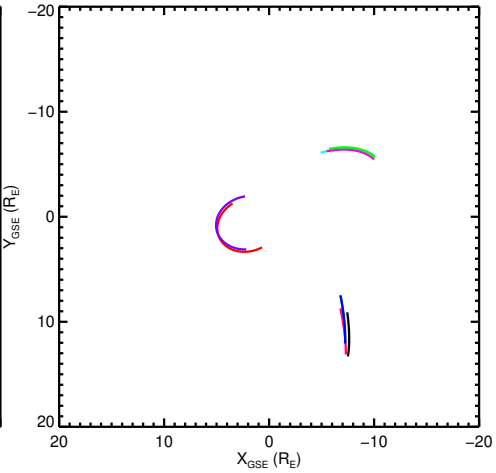


(c) 1255UT to 1910UT
cve fhe gbr inv wal

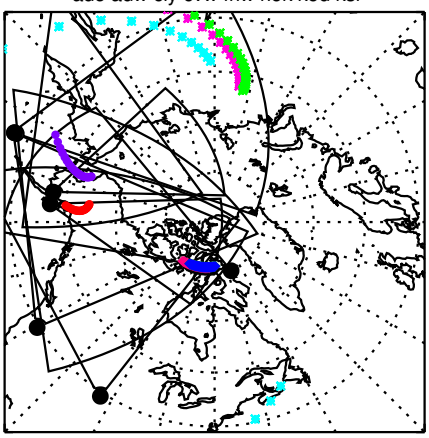


hal san

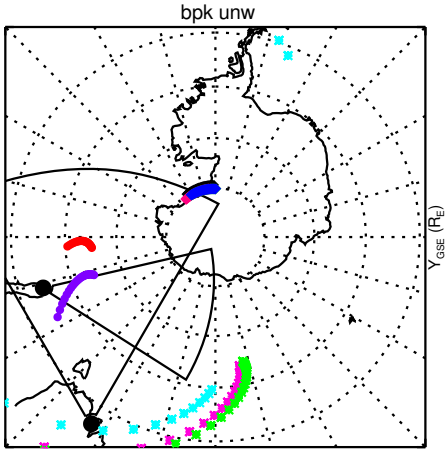


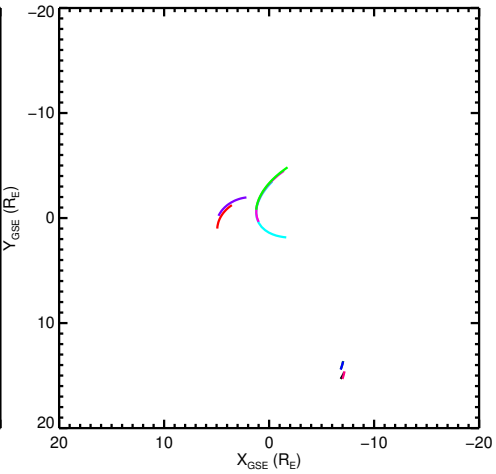


(d) 2155UT to 2355UT
ade adw cly cvw fhw hok kod ksr



bpk unw

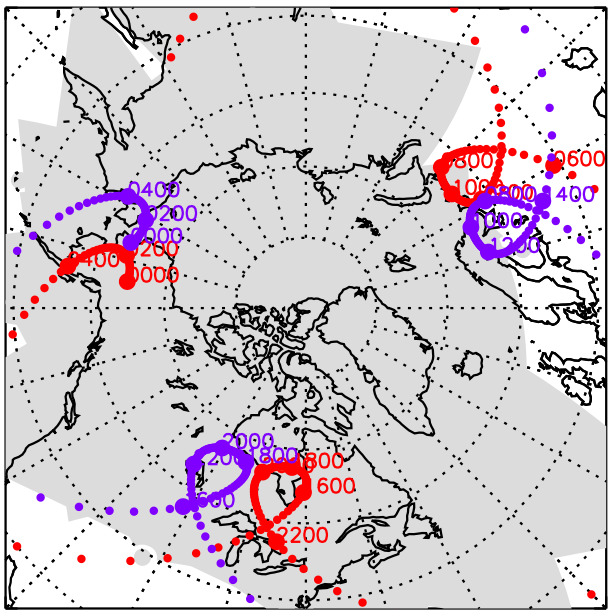


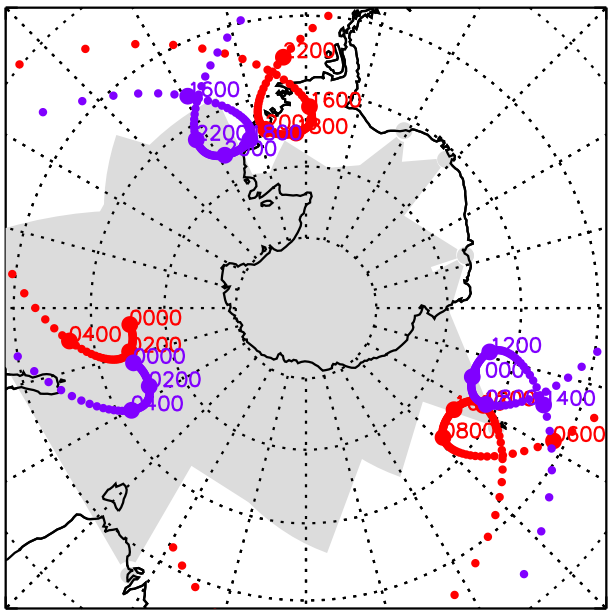


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

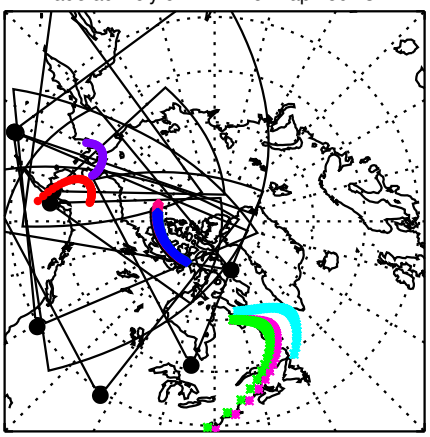
12–Nov–2015

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

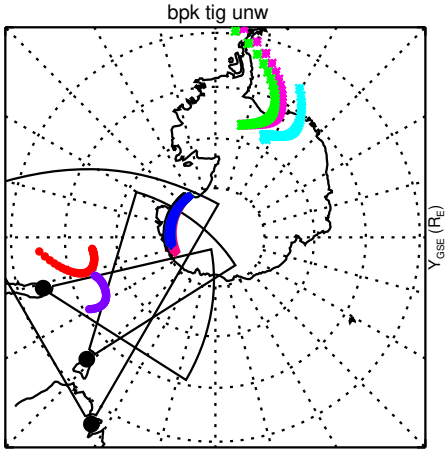


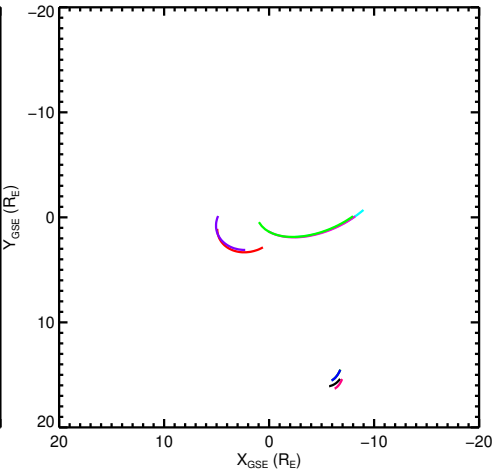


(a) 0000UT to 0410UT
ade adw cly cvw fhw hok kap kod ksr

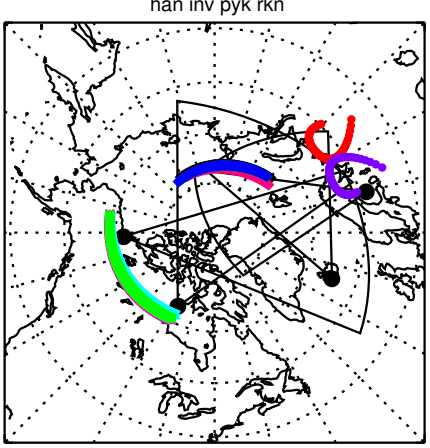


bpk tig unw

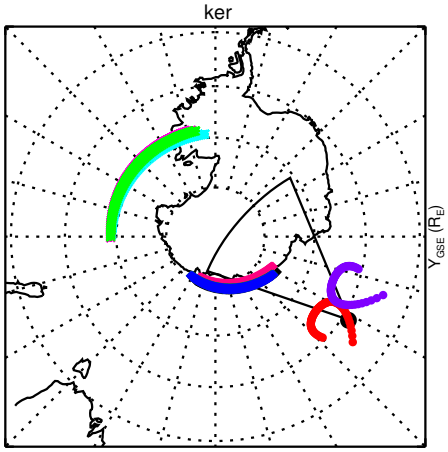


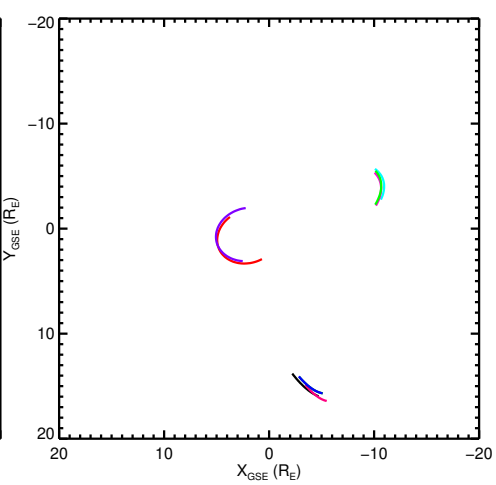


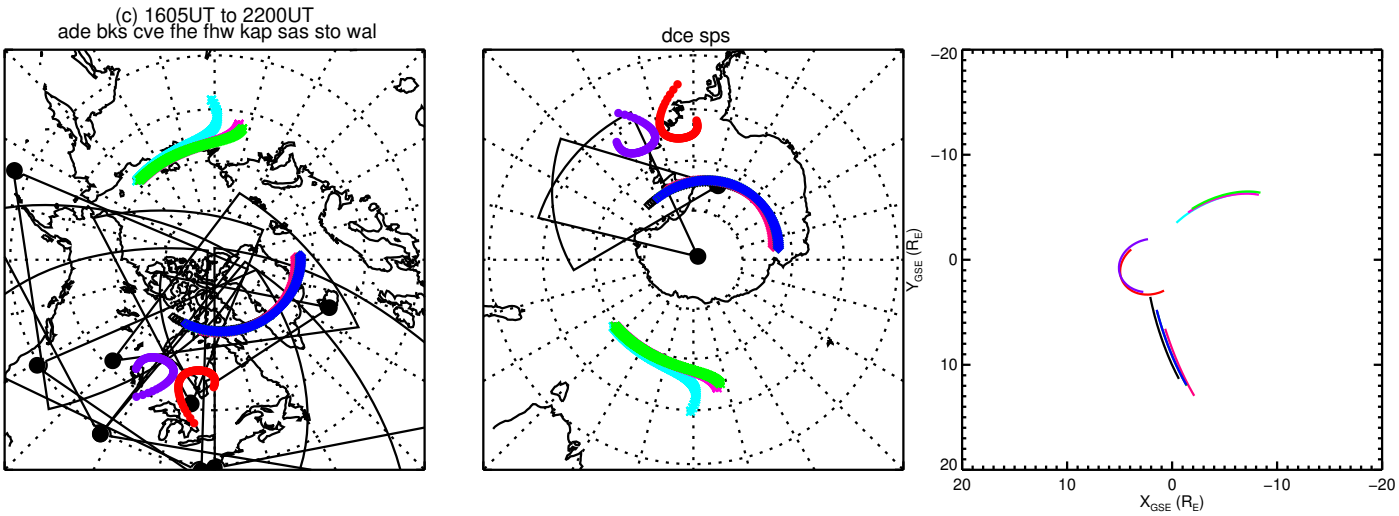
(b) 0700UT to 1305UT
han inv pyk rkn



ker



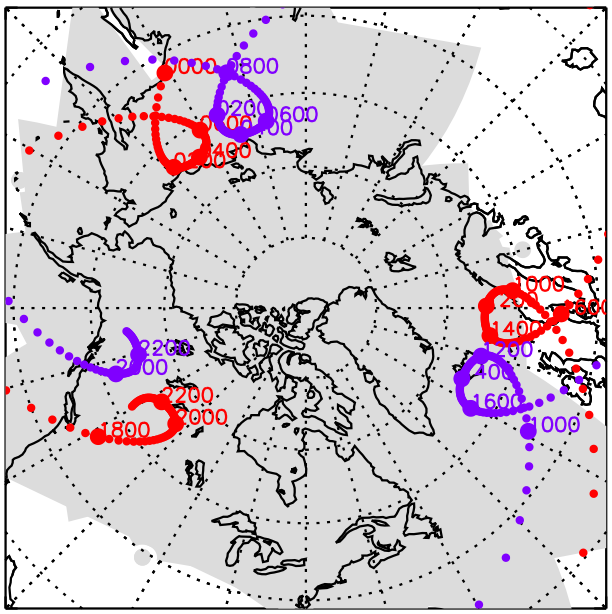


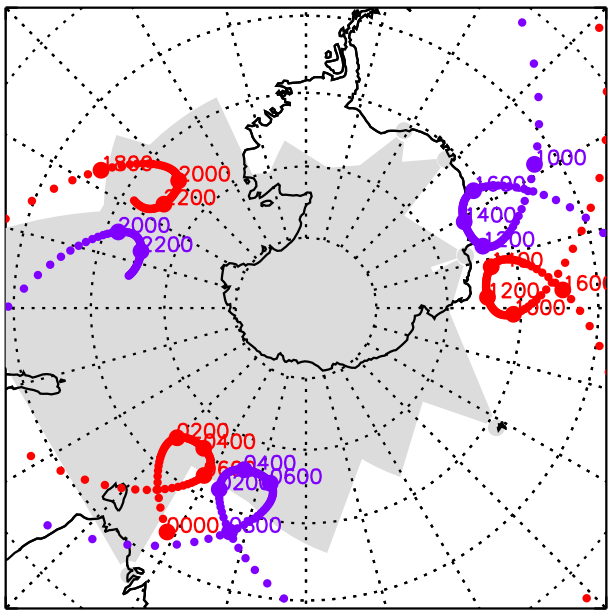

(c) 1605UT to 2200UT
ade bks cve fhe fhw kap sas sto wal
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

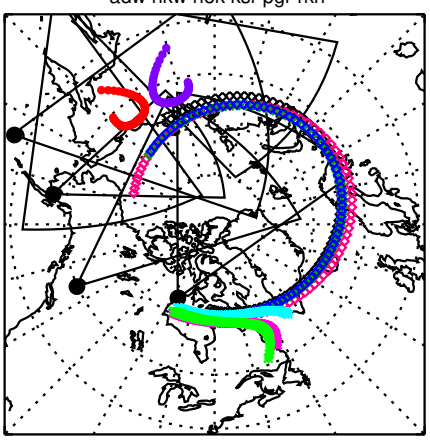
13–Nov–2015

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

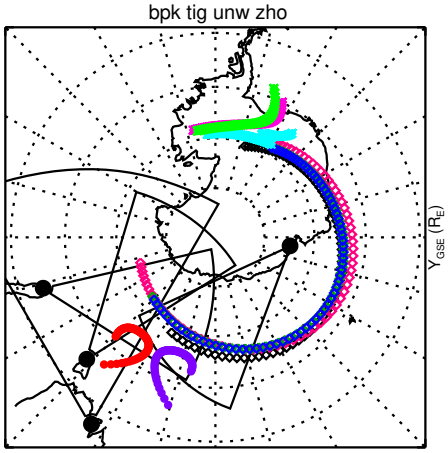


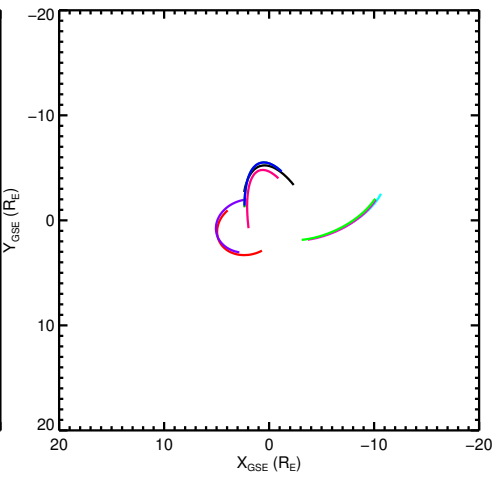


(a) 0105UT to 0700UT
adw hkw hok ksr pgr rkn

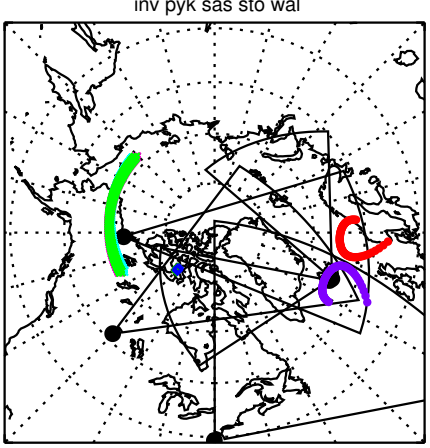


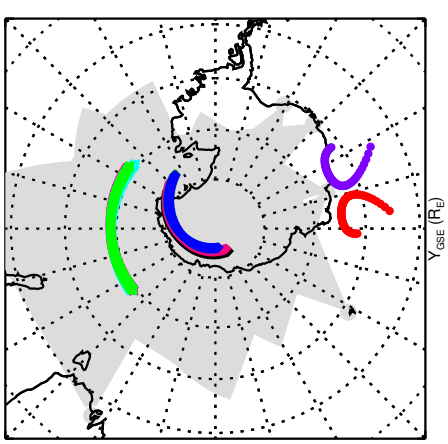
bpk tig unw zho

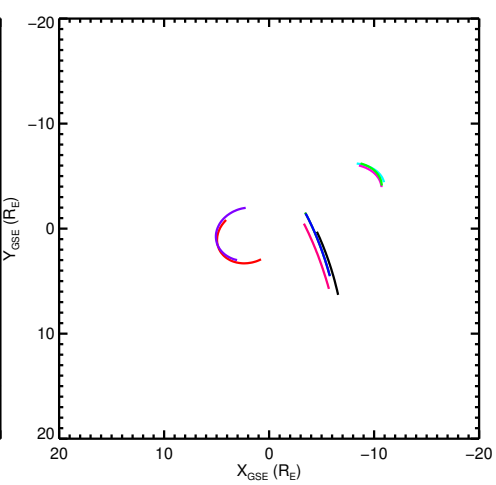


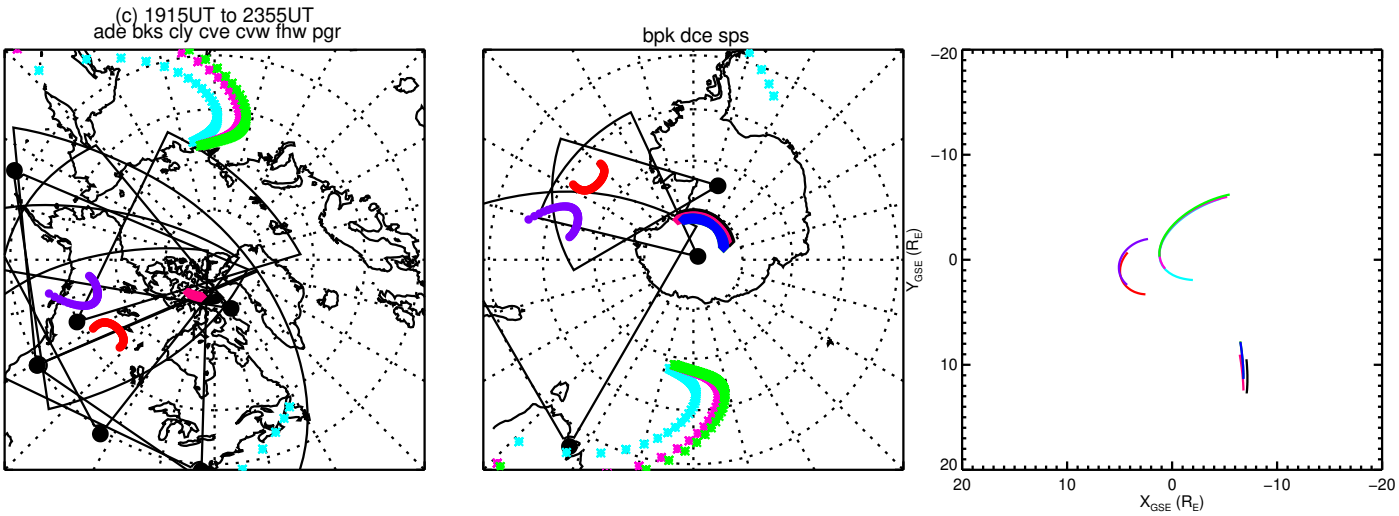


(b) 1010UT to 1555UT
inv pyk sas sto wal





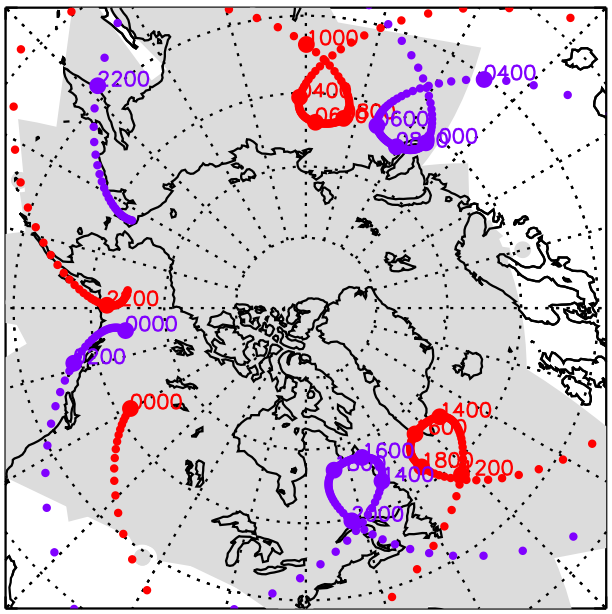


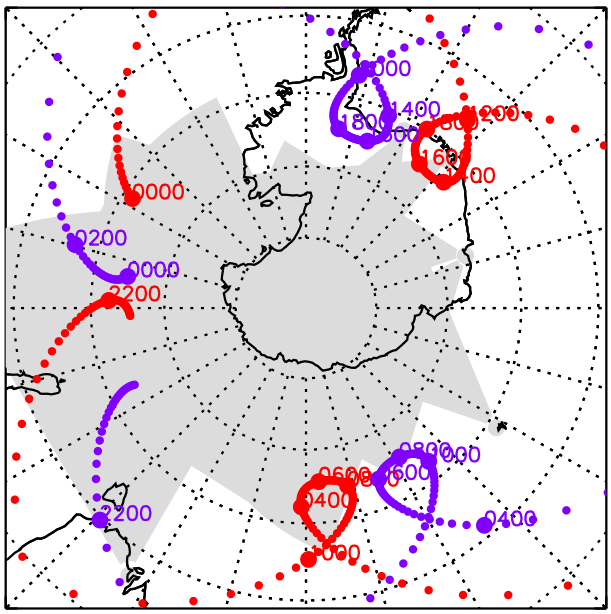

(c) 1915UT to 2355UT
ade bks cly cve cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

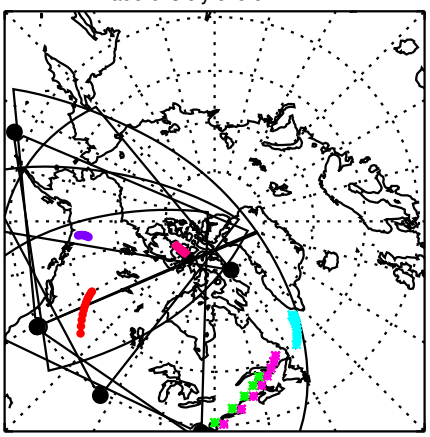
14–Nov–2015

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

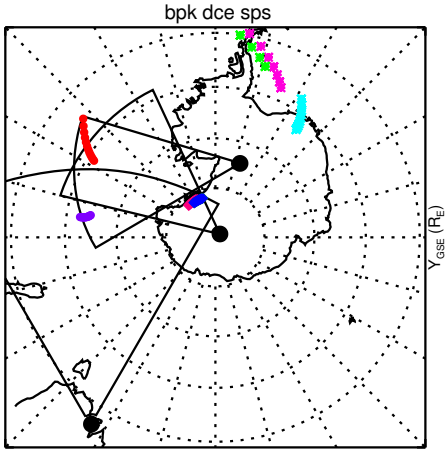


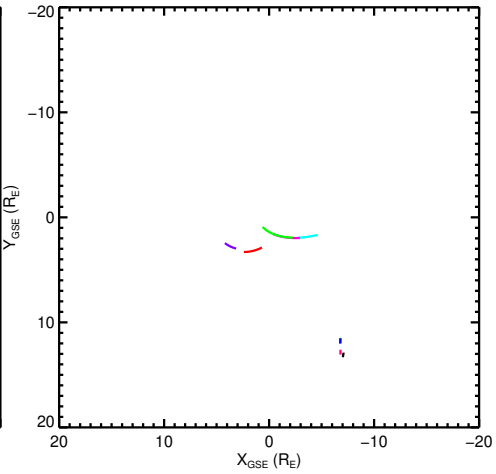


(a) 0000UT to 0055UT
ade bks cly cve cvw fhw

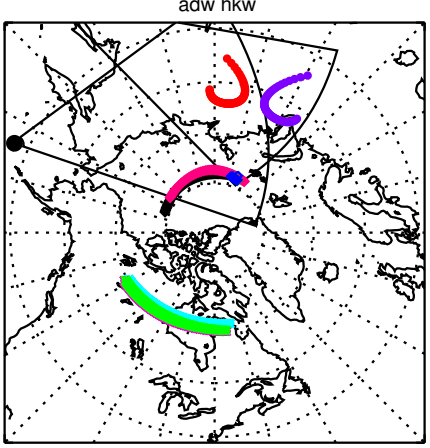


bpk dce sps

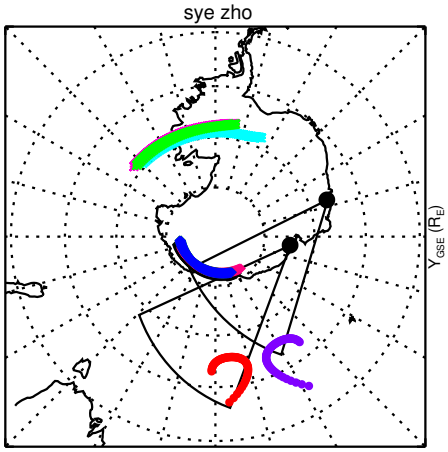


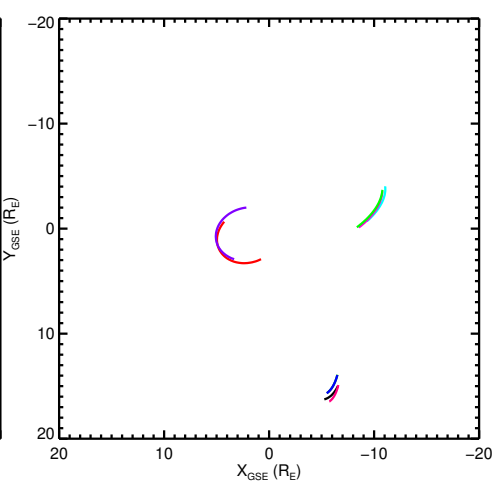


(b) 0415UT to 0950UT
adw hkw

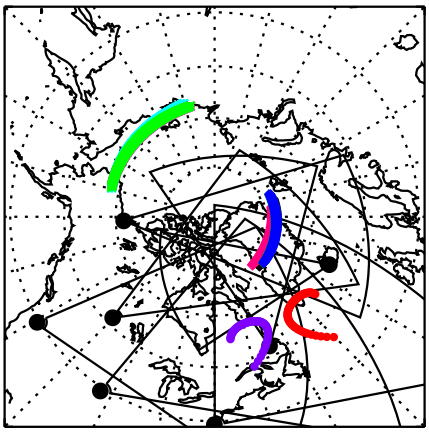


sye zho

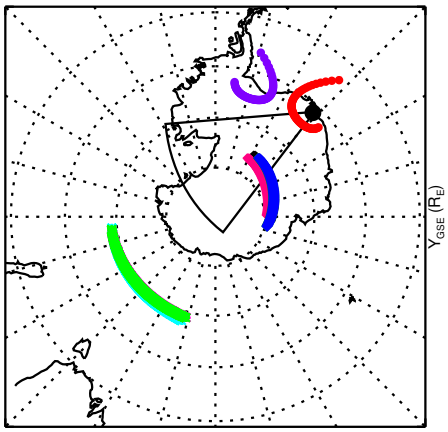


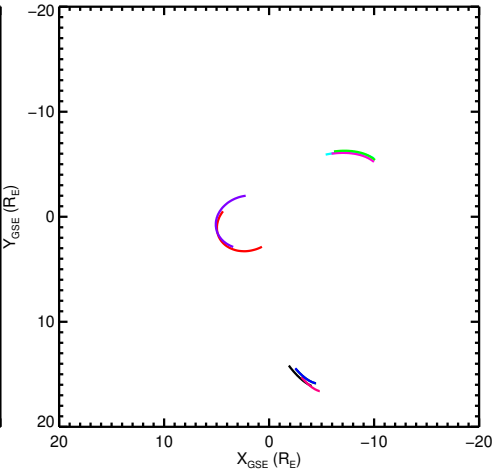


(c) 1320UT to 1850UT
cve fhe gbr inv sas sto wal

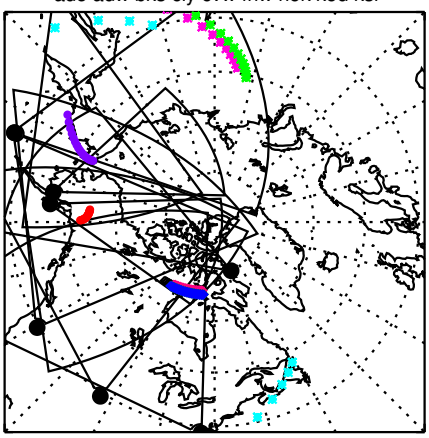


san

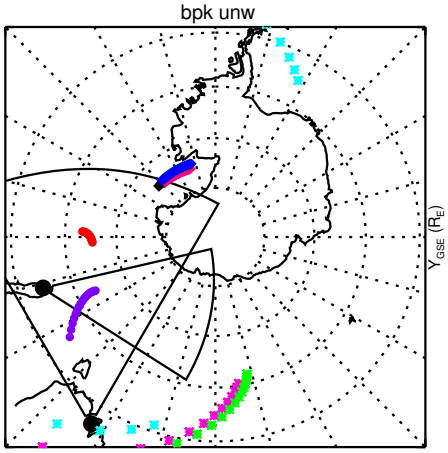


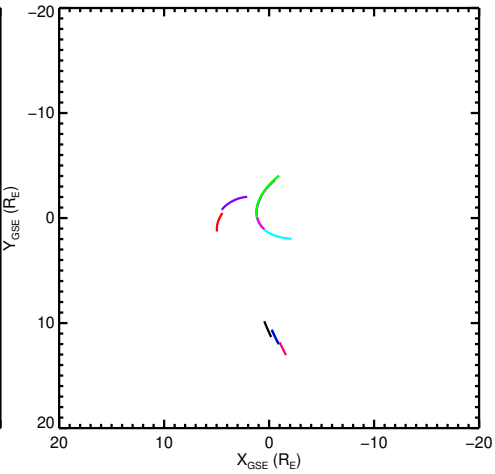


(d) 2220UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



bpk unw

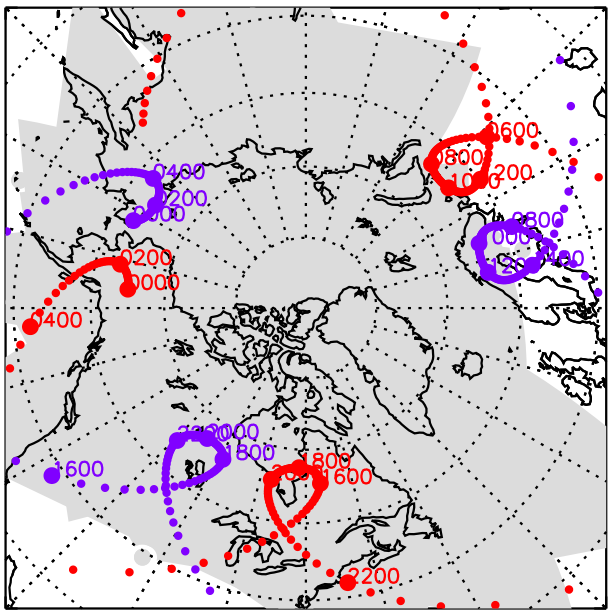


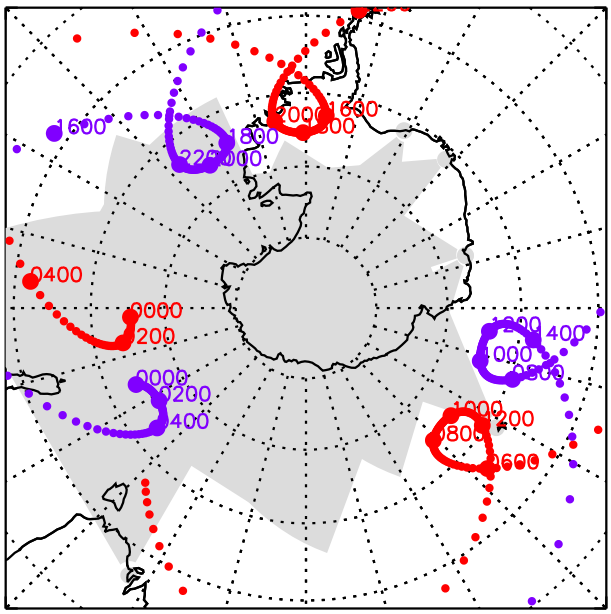


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

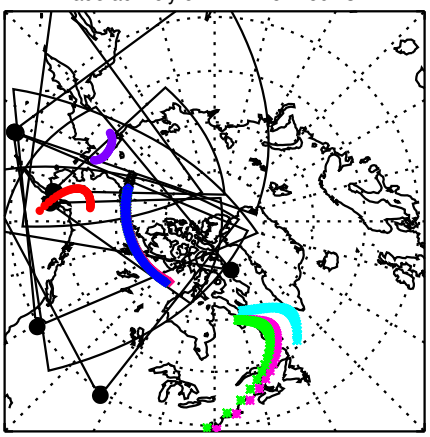
15–Nov–2015

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

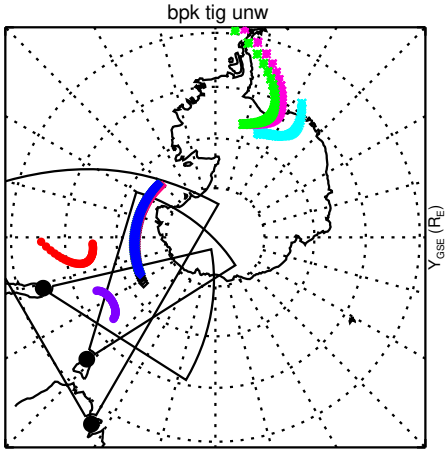


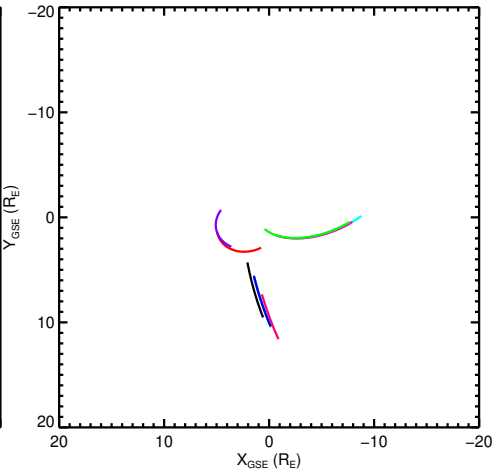


(a) 0000UT to 0345UT
ade adw cly cvw fhw hok kod ksr

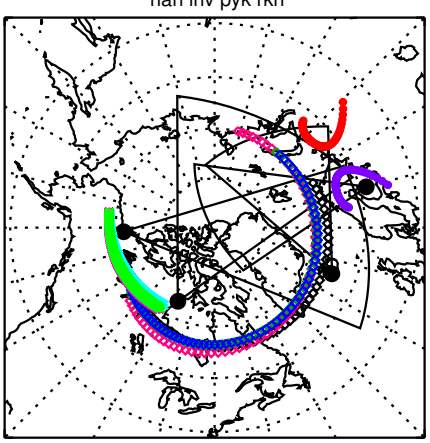


bpk tig unw

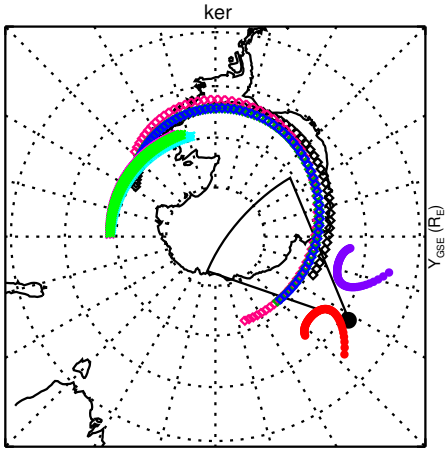


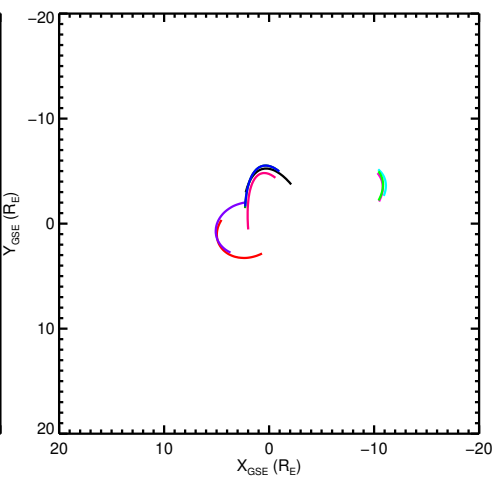


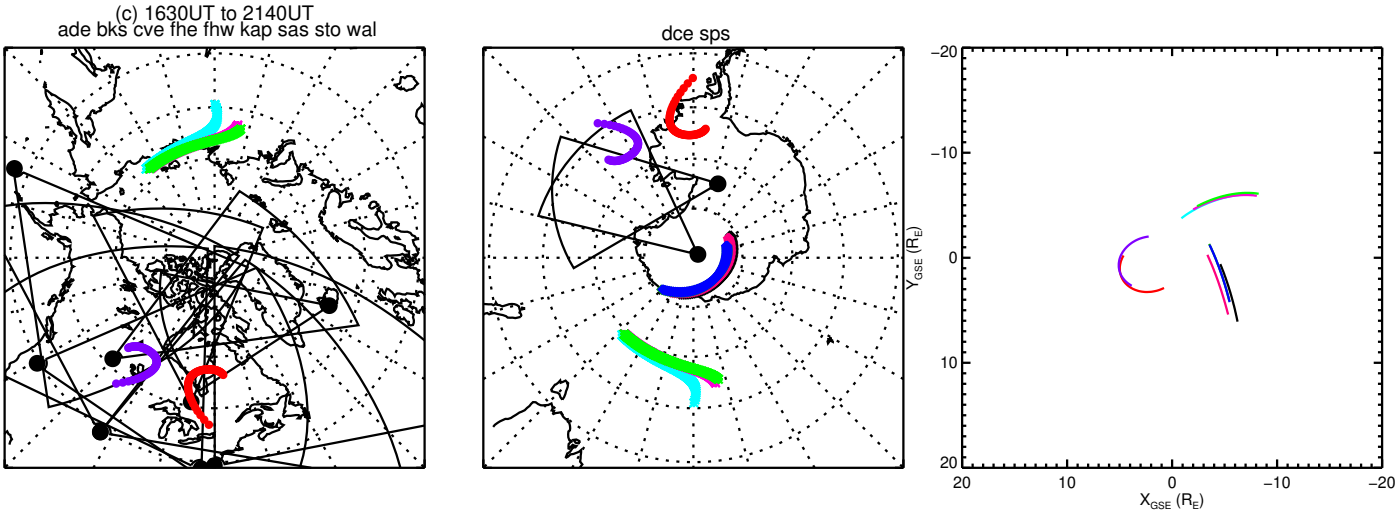
(b) 0725UT to 1245UT
han inv pyk rkn



ker



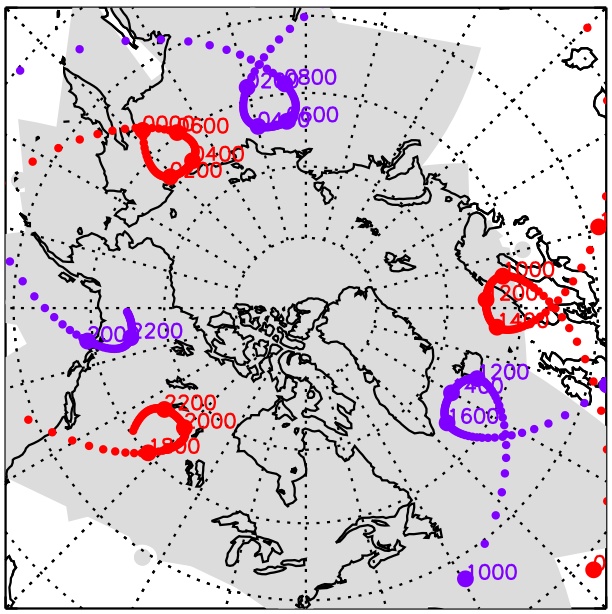


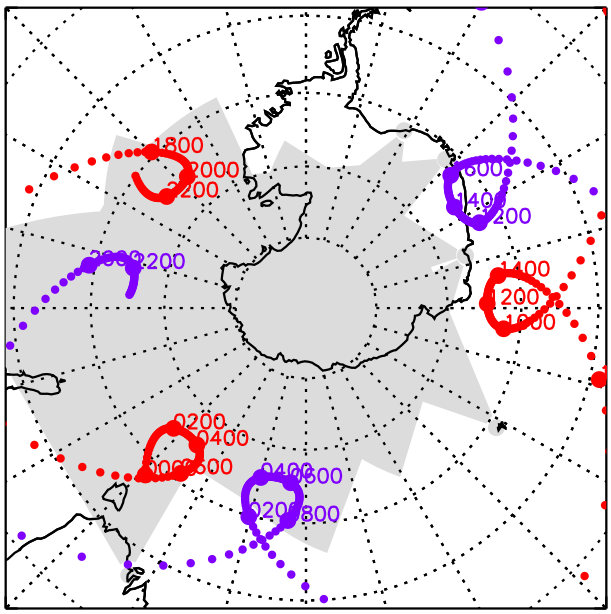

(c) 1630UT to 2140UT
ade bks cve fhe fhw kap sas sto wal
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

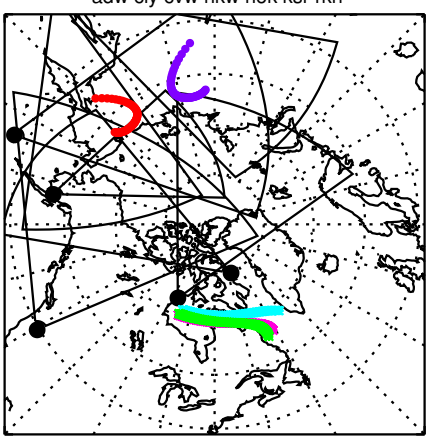
16–Nov–2015

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

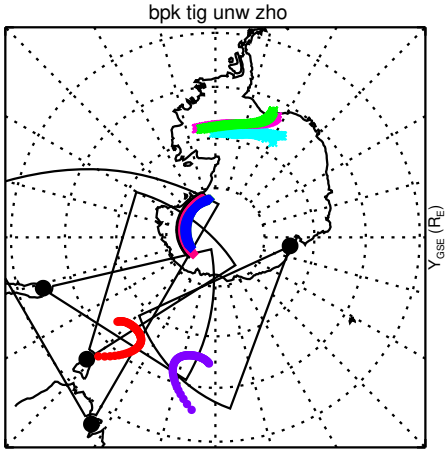


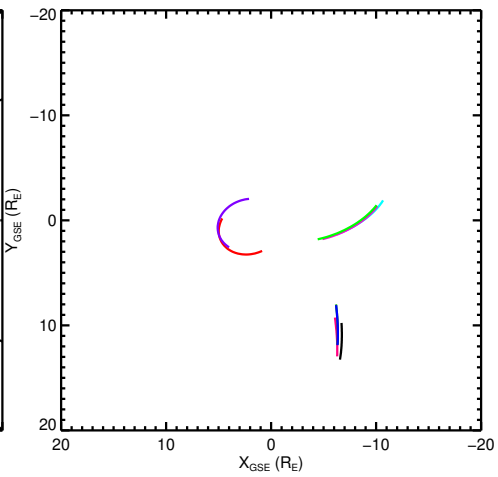


(a) 0130UT to 0635UT
adw cly cvw hkw hok ksr rkn

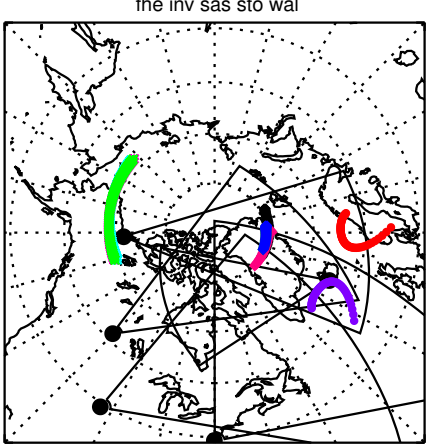


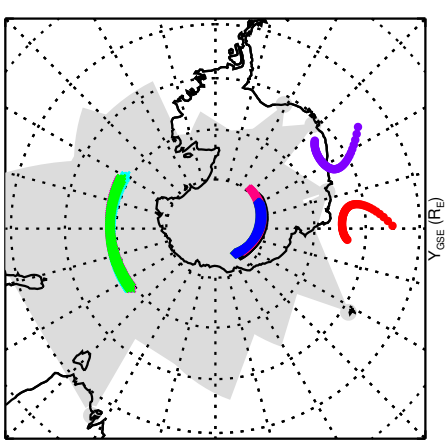
bpk tig unw zho

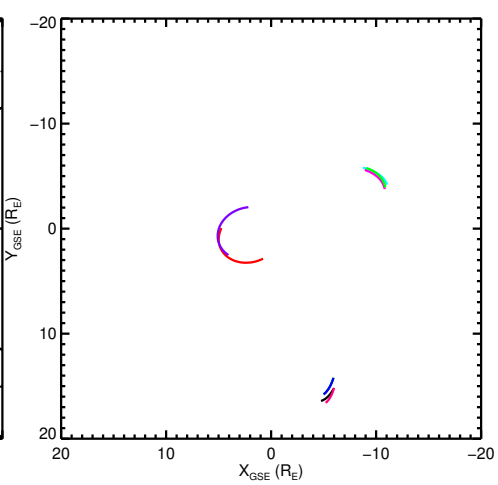


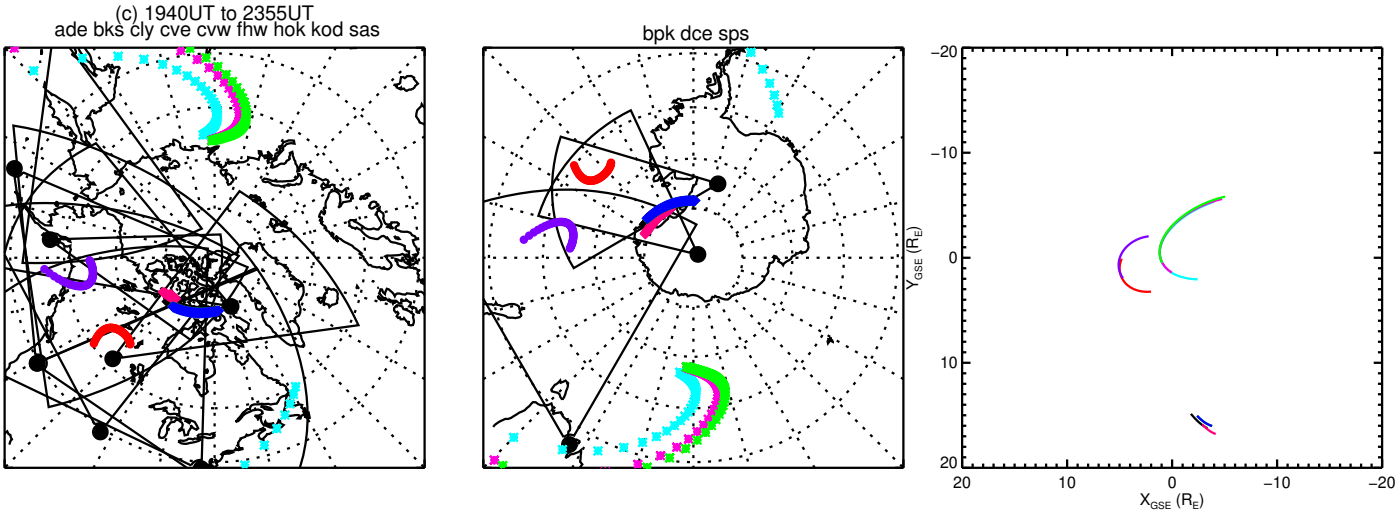


(b) 1035UT to 1535UT
fhe inv sas sto wal





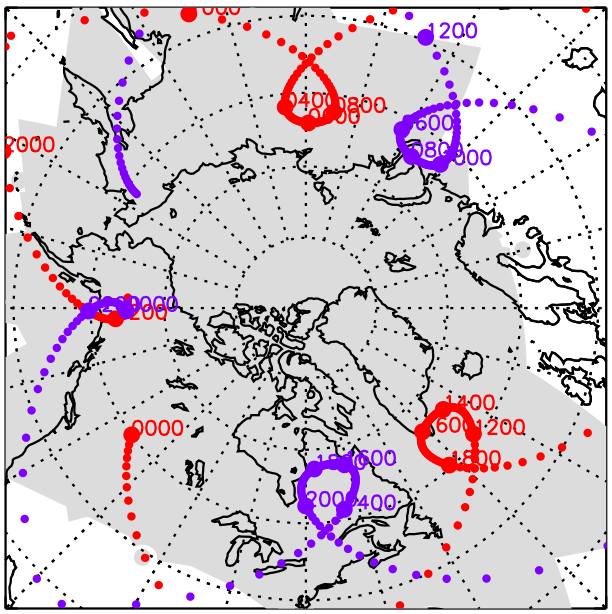


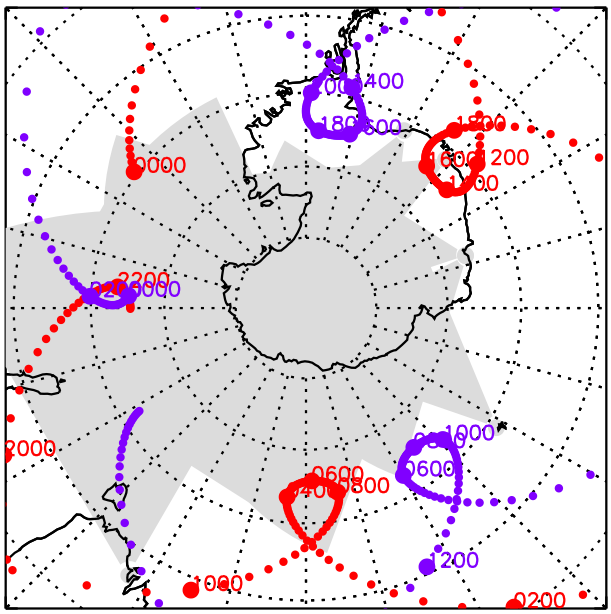

(c) 1940UT to 2355UT
ade bks cly cve cvw fhw hok kod sas
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

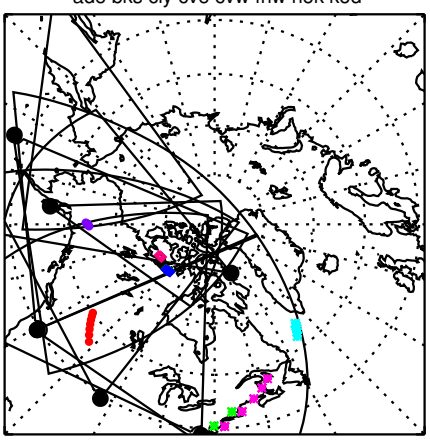
17–Nov–2015

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

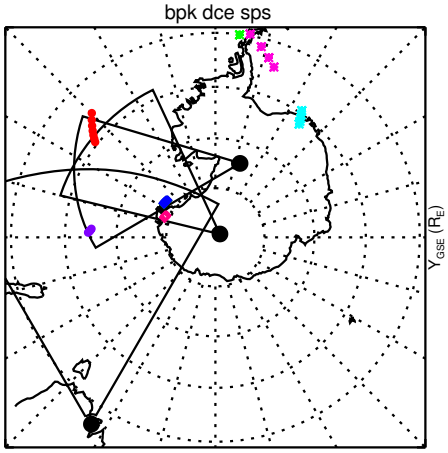


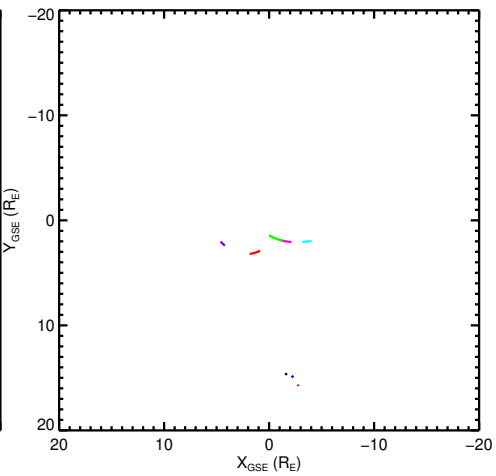


(a) 0000UT to 0030UT
ade bks cly cve cvw fhw hok kod

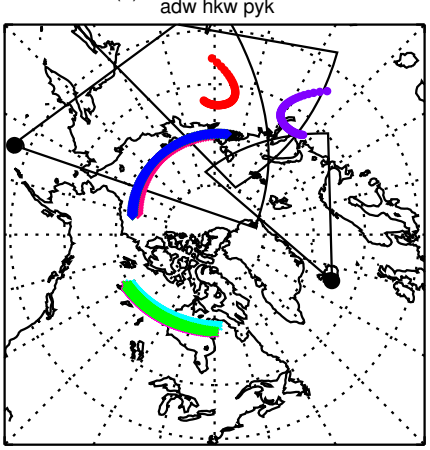


bpk dce sps

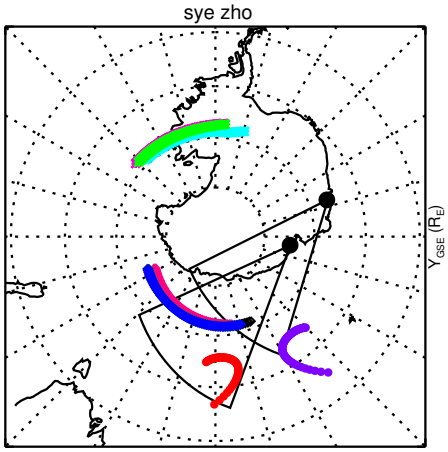


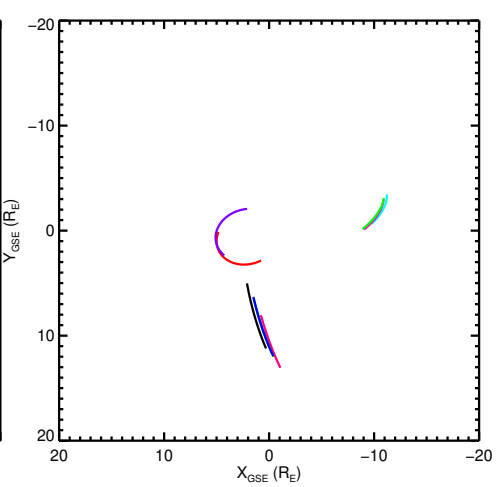


(b) 0440UT to 0930UT
adw hkw pyk

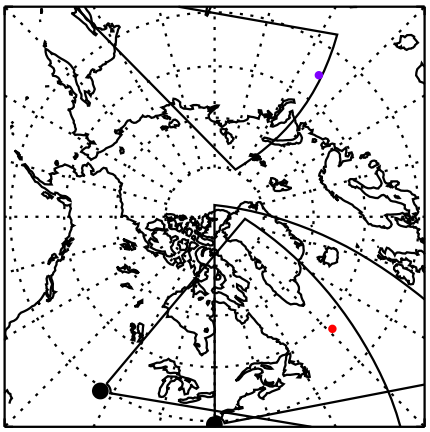


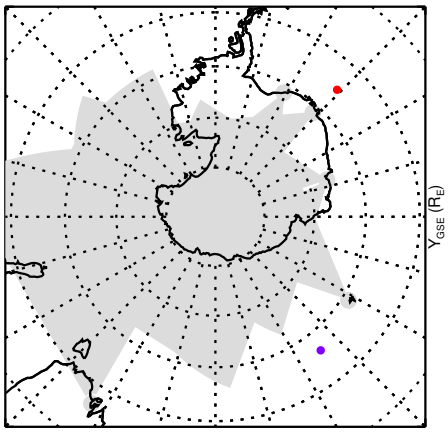
sye zho

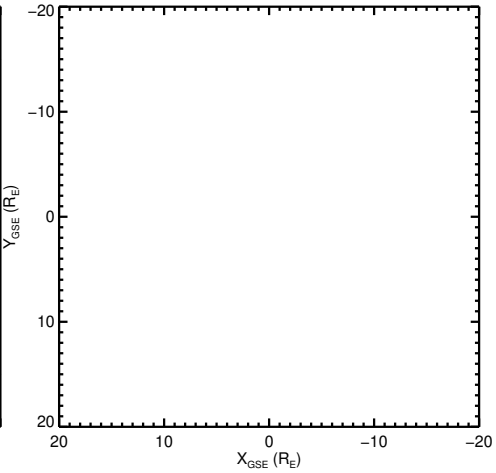




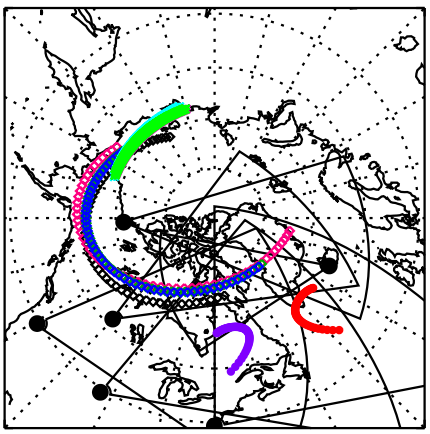
(c) 1135UT to 1135UT
fhe hkw wal



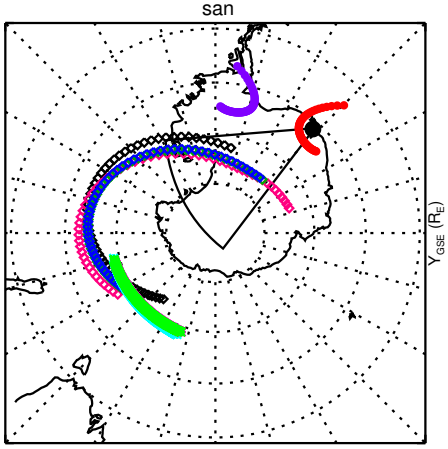


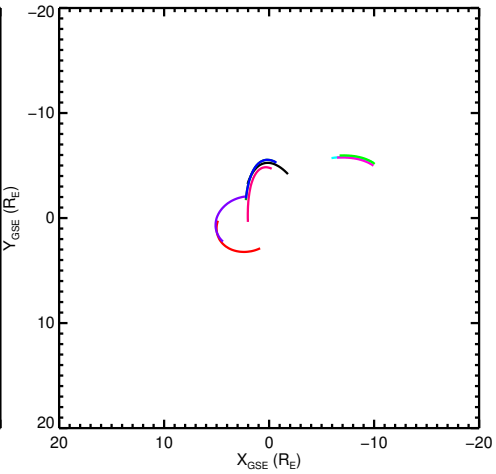


(d) 1345UT to 1825UT
cve fhe inv sas sto wal

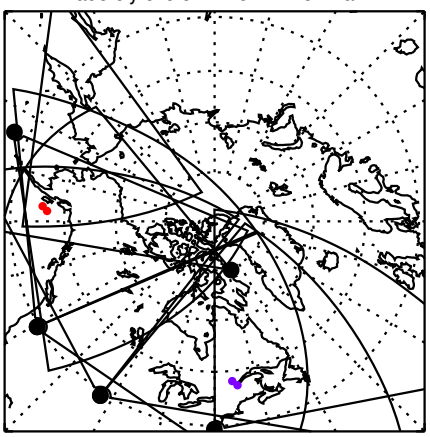


san

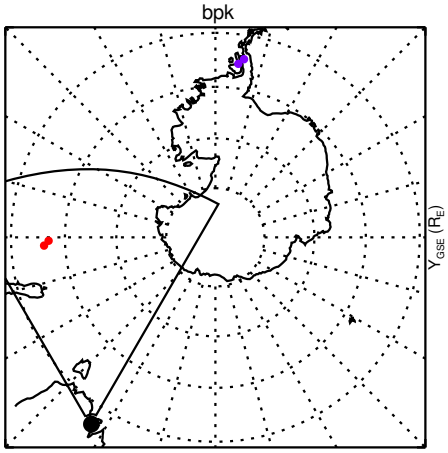


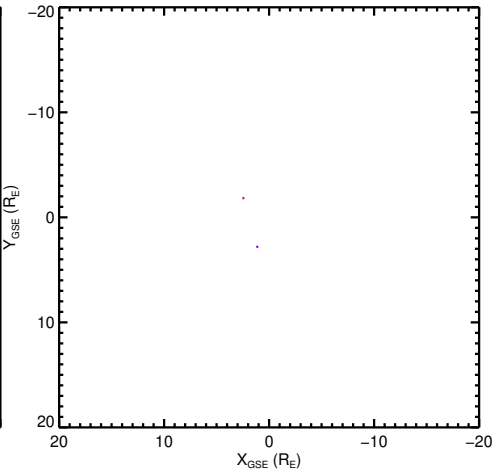


(e) 2035UT to 2040UT
ade cly cve cvw fhe fhw hok wal

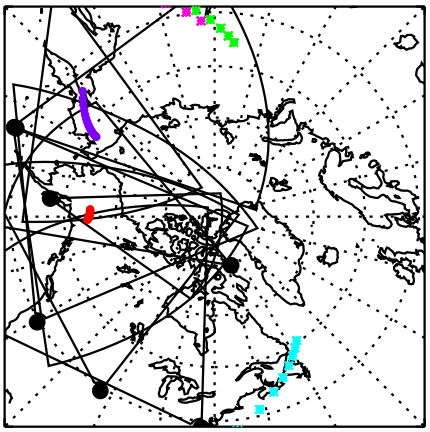


bpk

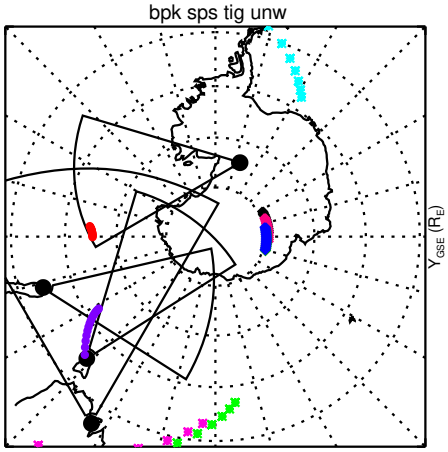


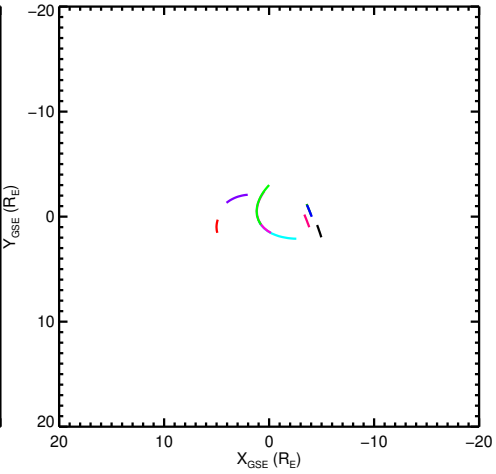


(f) 2245UT to 2355UT
ade adw bks cly cvw fhw hok kod



bpk sps tig unw

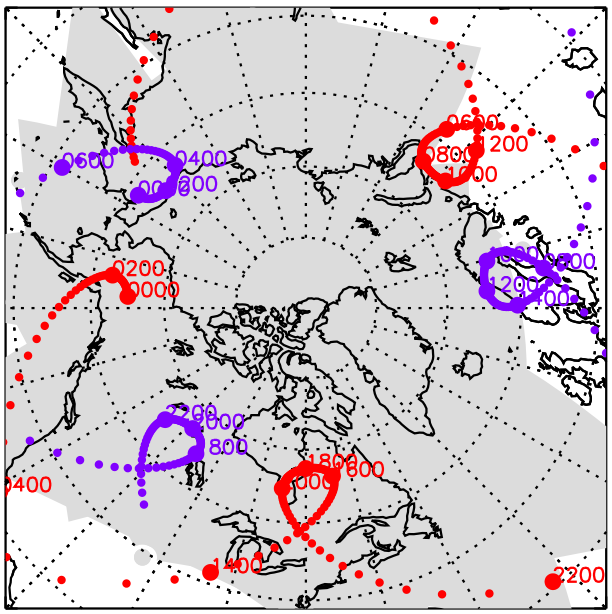


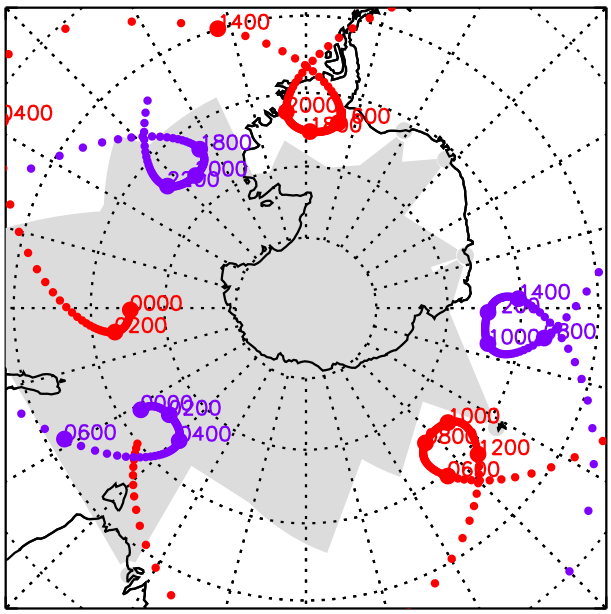


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

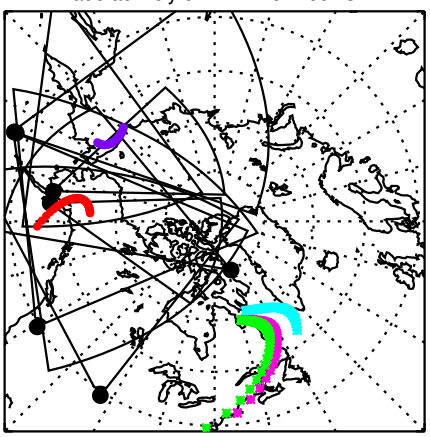
18–Nov–2015

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

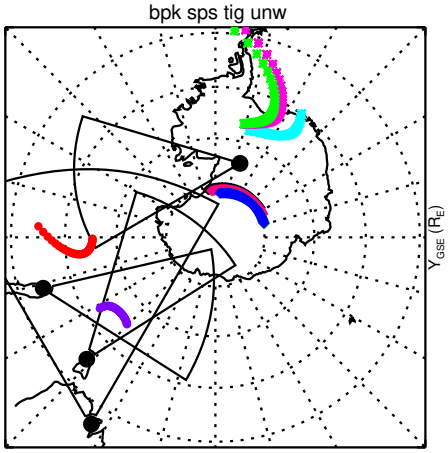


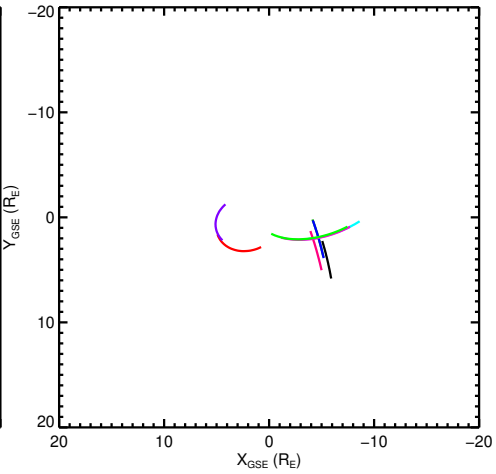


(a) 0000UT to 0325UT
ade adw cly cvw fhw hok kod ksr

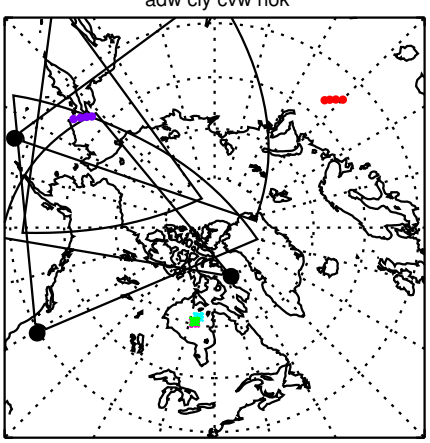


bpk sps tig unw

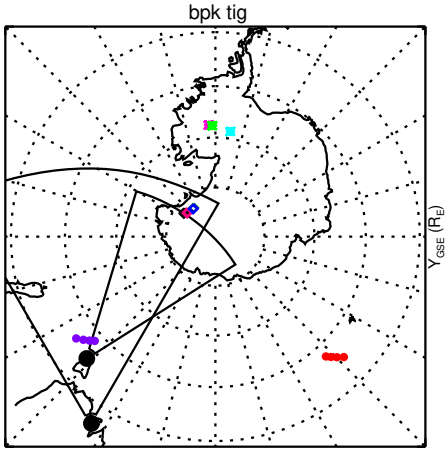


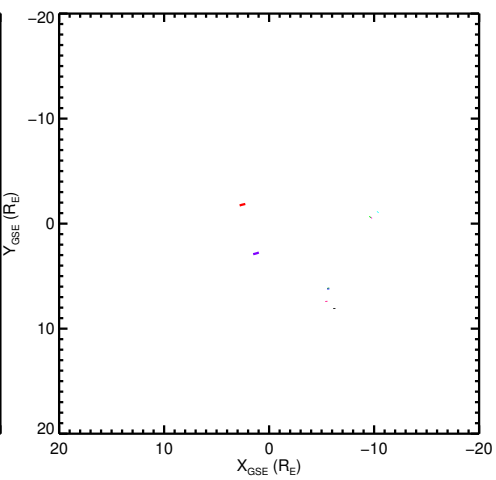


(b) 0530UT to 0545UT
adw cly cvw hok

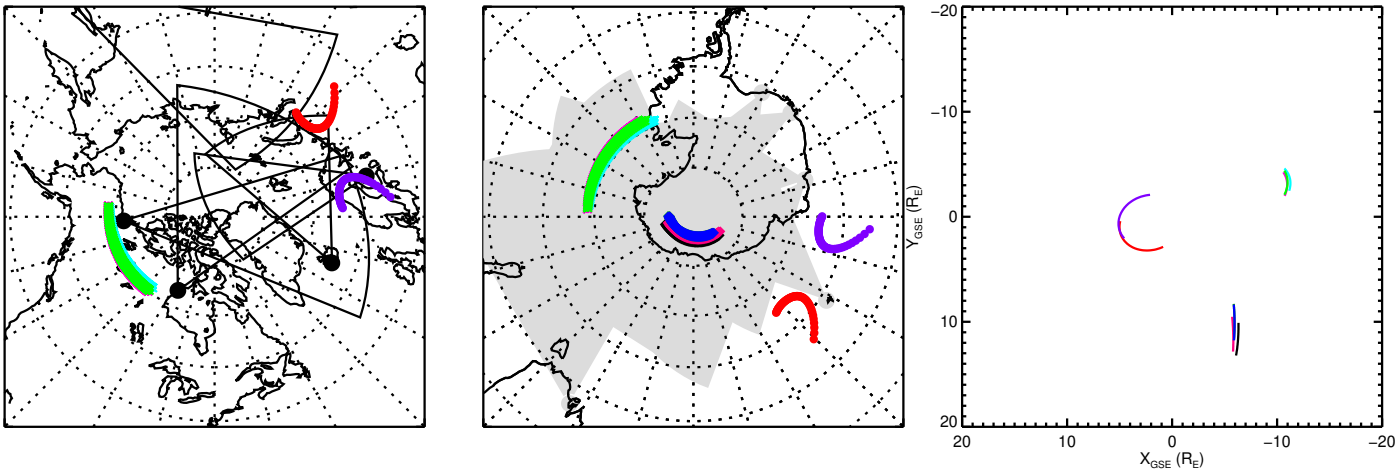


bpk tig

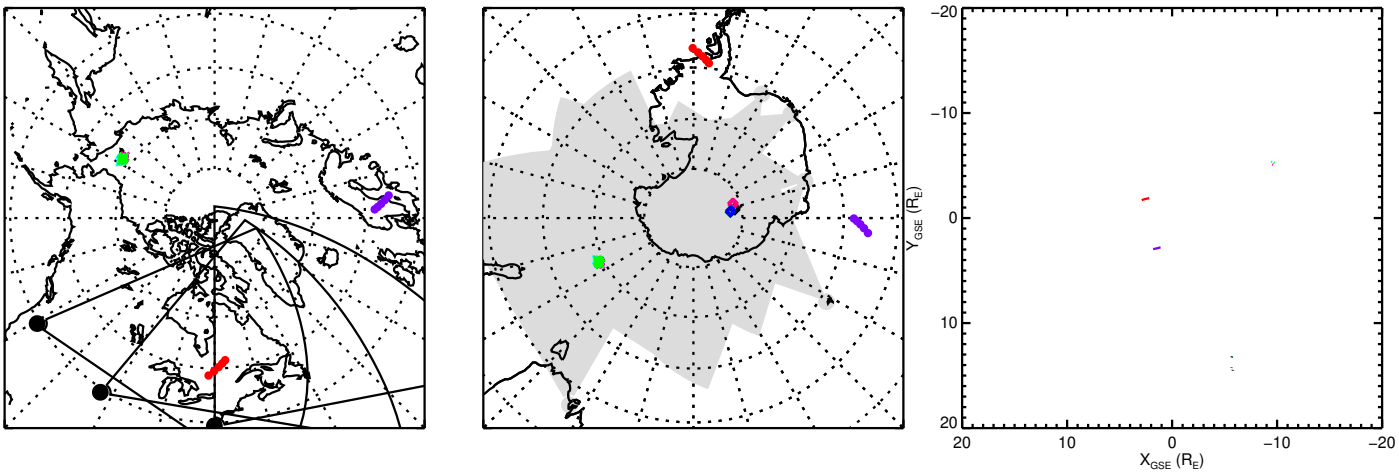




(c) 0750UT to 1220UT
han hkw inv pyk rkn

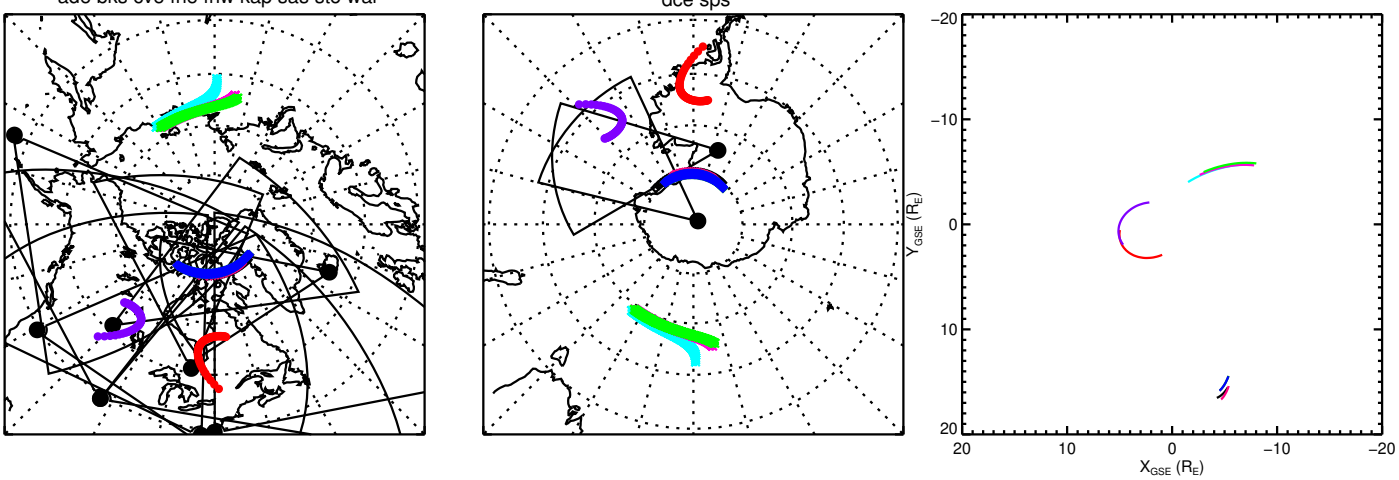


(d) 1425UT to 1445UT
cve fhe wal



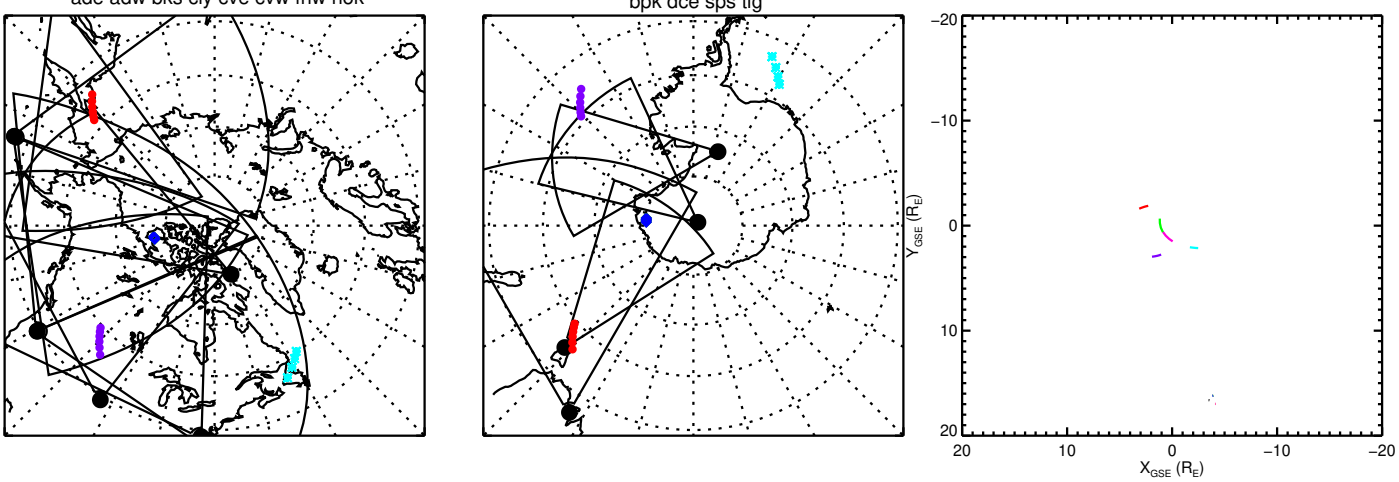
(e) 1655UT to 2115UT
ade bks cve fhe fhw kap sas sto wal

dce sps



(f) 2325UT to 2350UT
ade adw bks cly cve cvw fhw hok

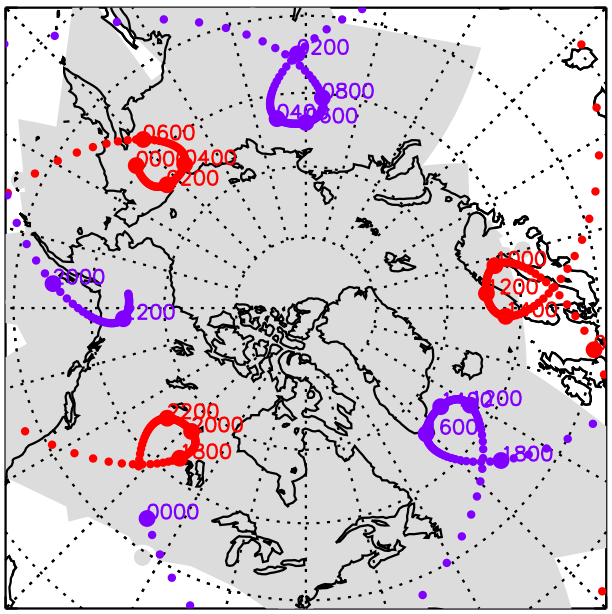
bpk dce sps tig

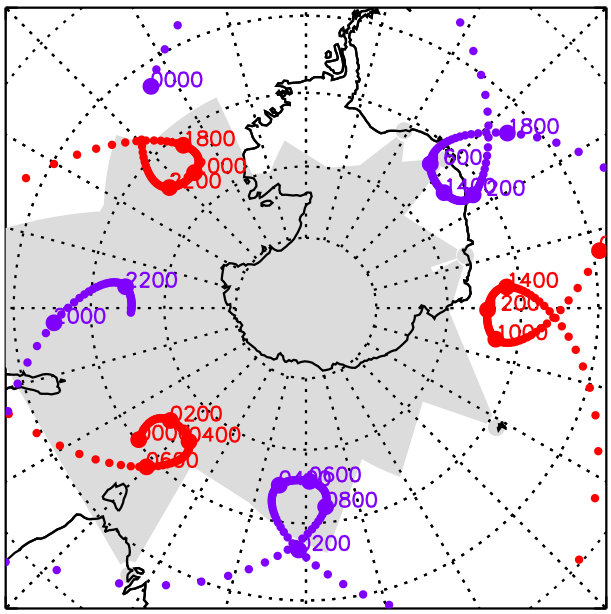


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

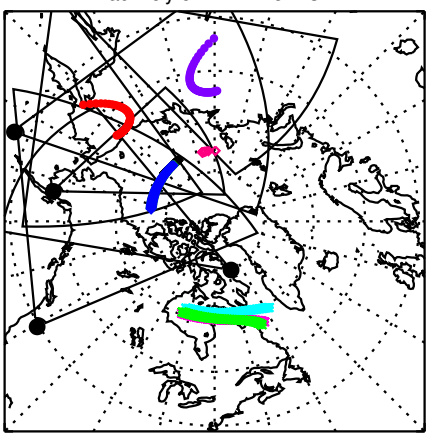
19–Nov–2015

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

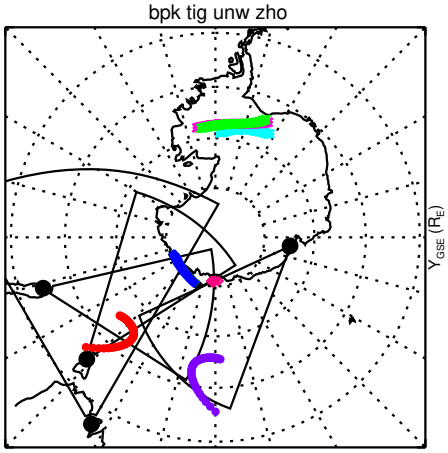


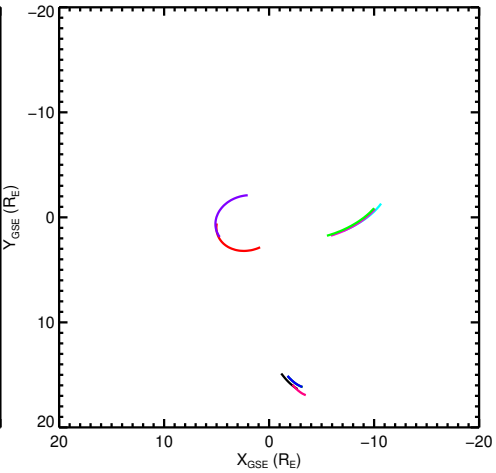


(a) 0155UT to 0615UT
adw cly cvw hkw hok ksr

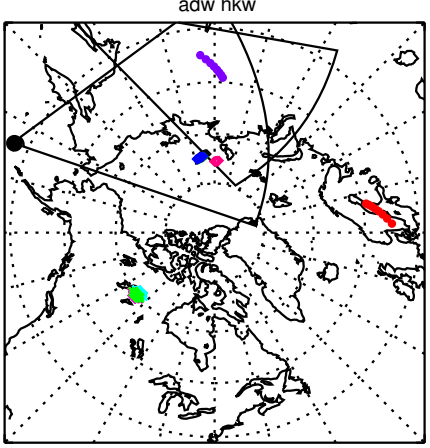


bpk tig unw zho

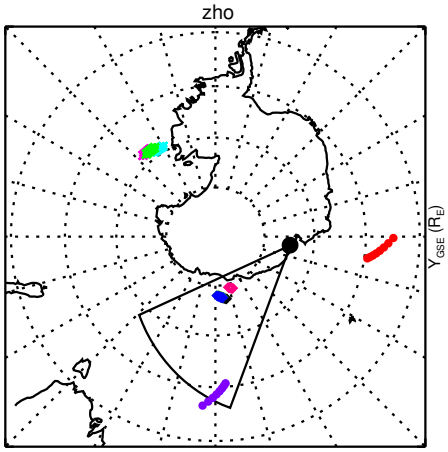


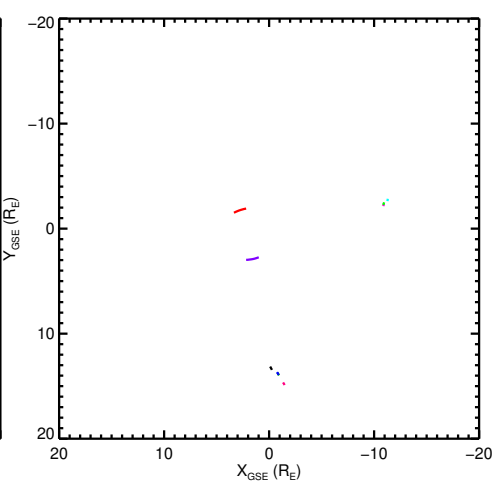


(b) 0820UT to 0855UT
adw hkw

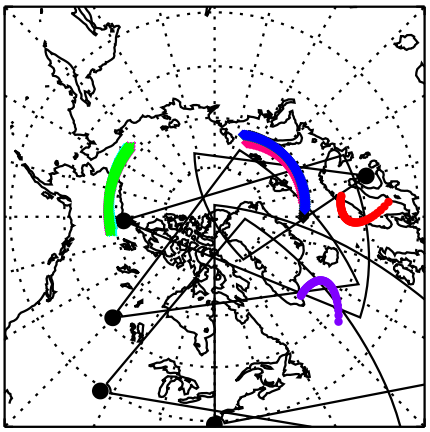


zho

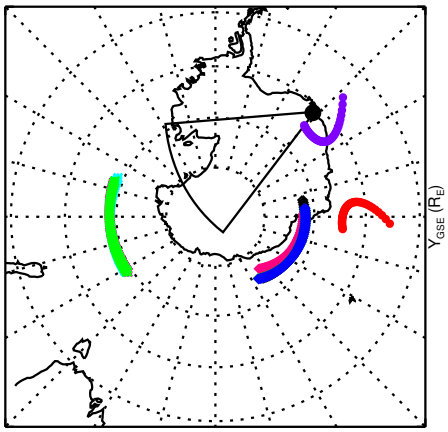


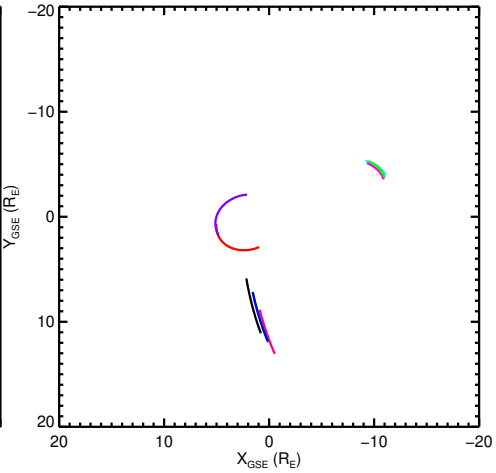


(c) 1100UT to 1510UT
fhe han inv sas wal

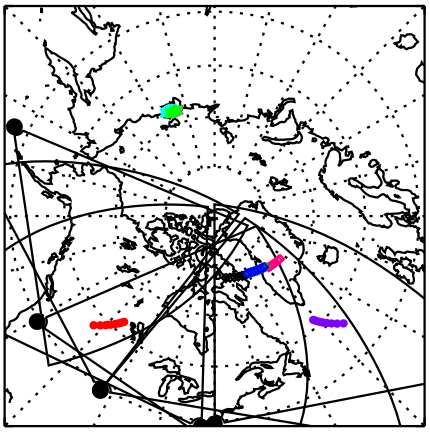


san

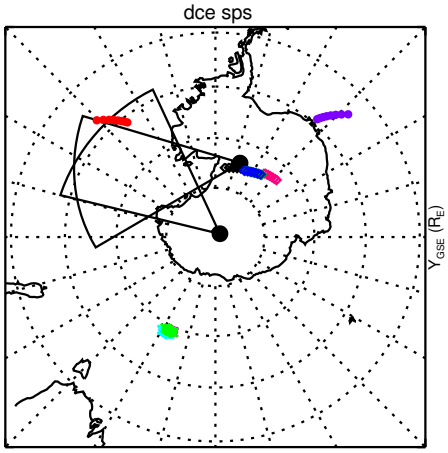


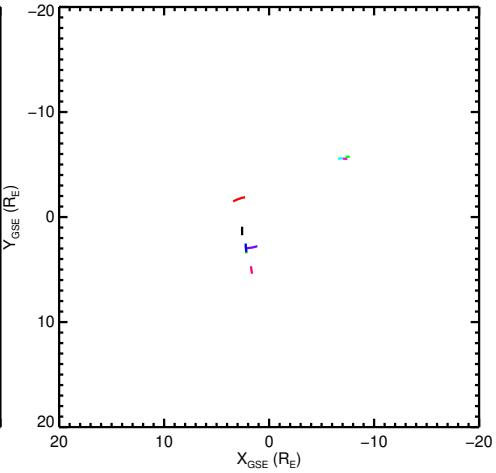


(d) 1720UT to 1755UT
ade bks cve fhe fhw wal

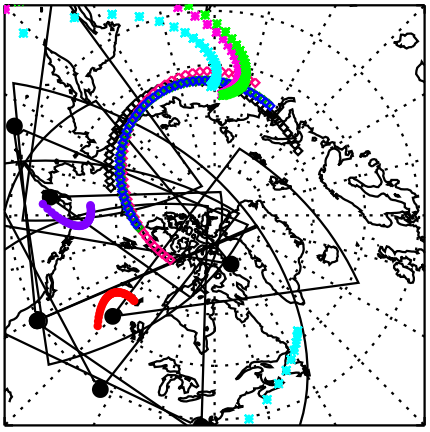


dce sps

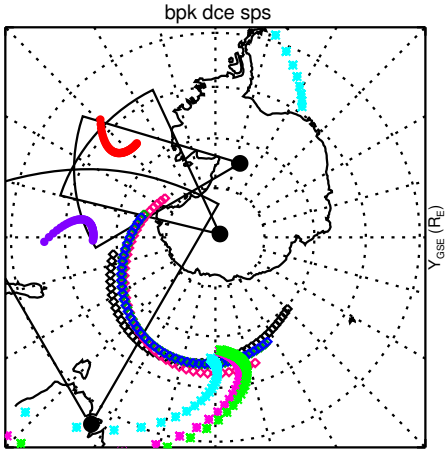


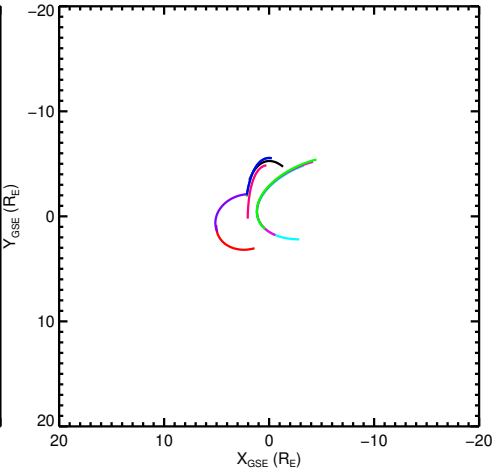


(e) 2005UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



bpk dce sps

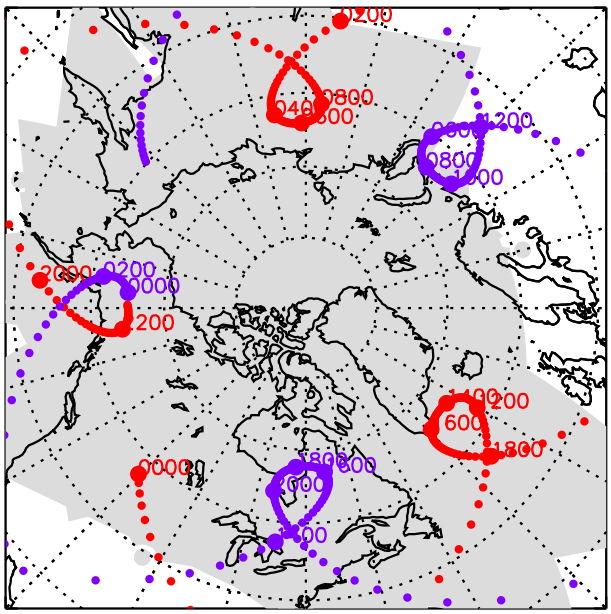


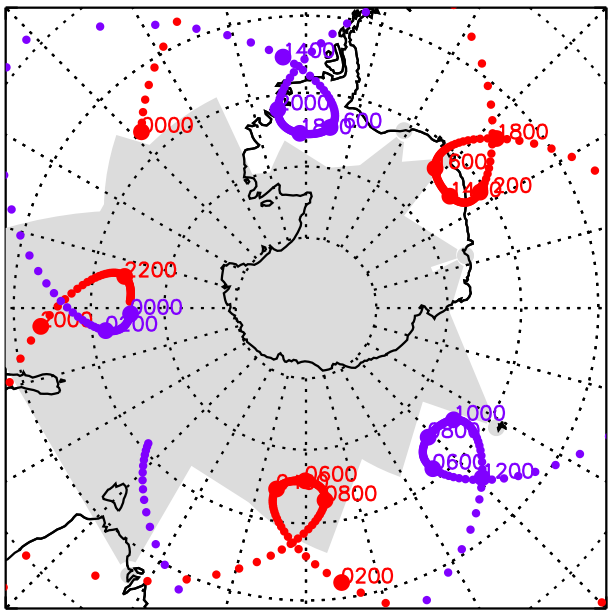


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

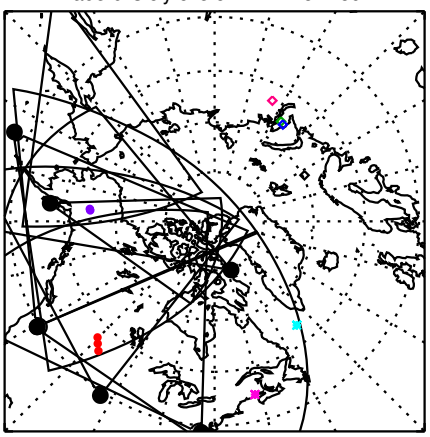
20–Nov–2015

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

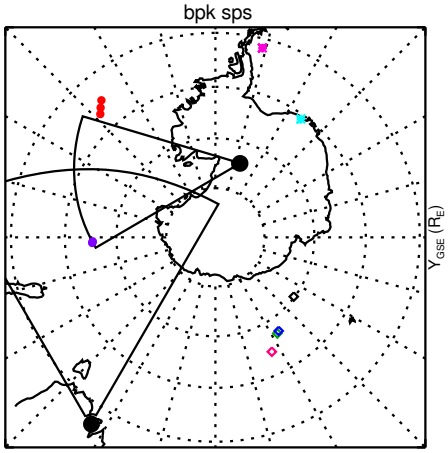


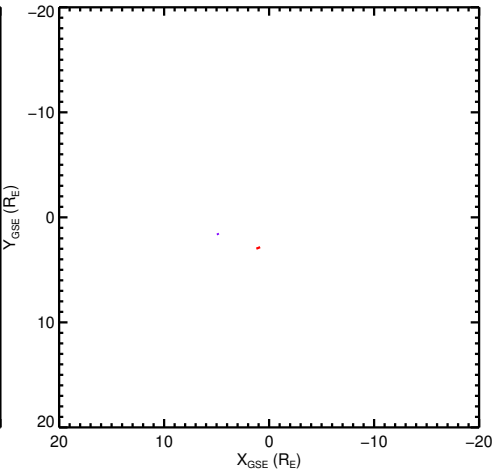


(a) 0000UT to 0010UT
ade bks cly cve cvw fhw hok kod

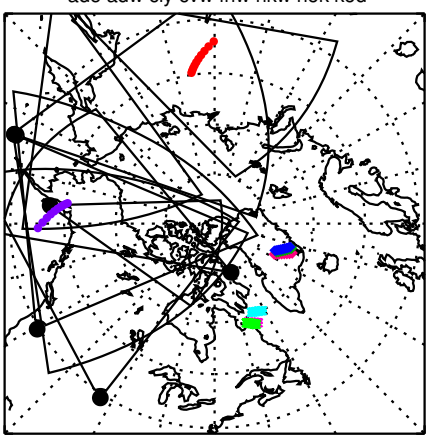


bpk sps

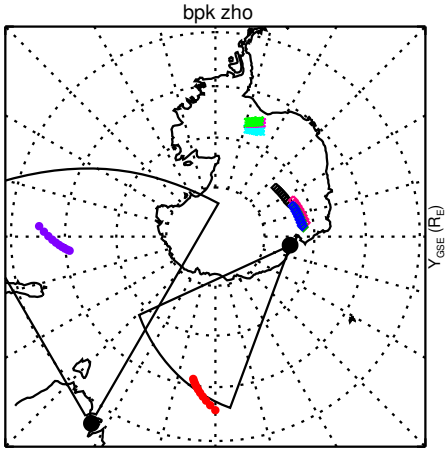


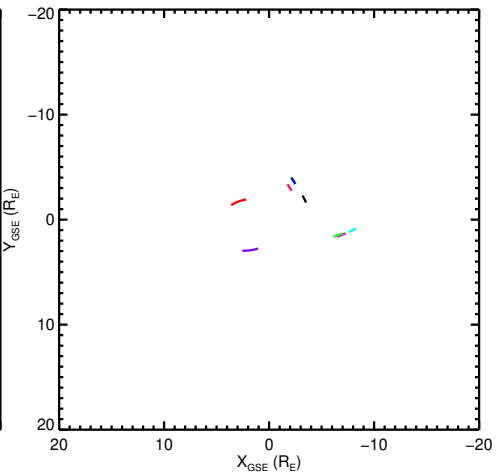


(b) 0215UT to 0300UT
ade adw cly cvw fhw hkw hok kod

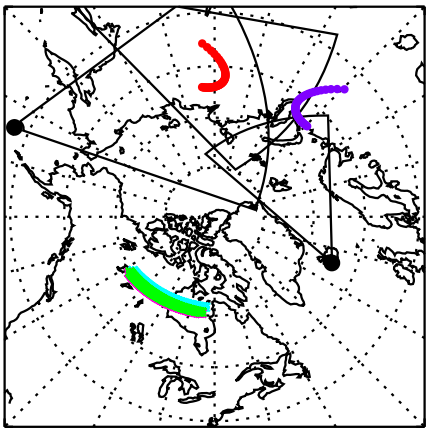


bpk zho

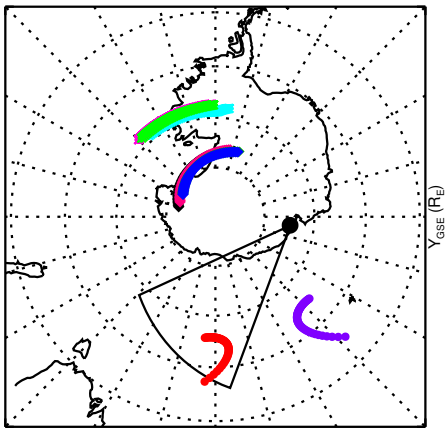


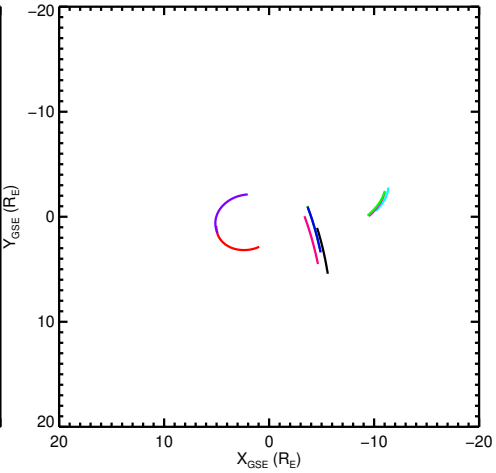


(c) 0505UT to 0905UT
adw hkw pyk

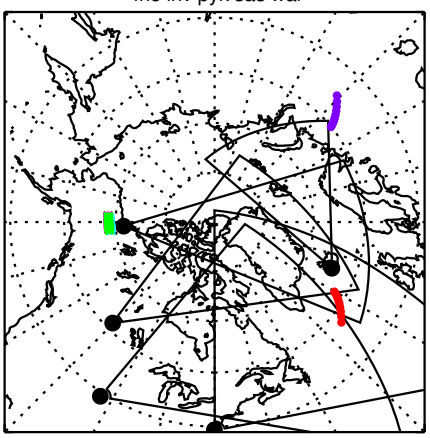


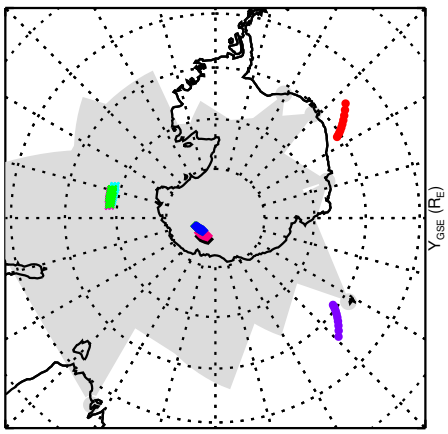
zho

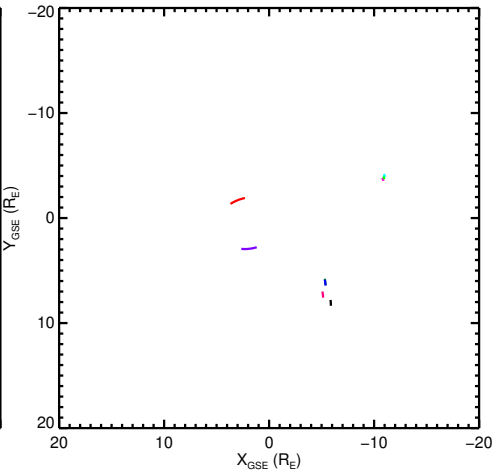




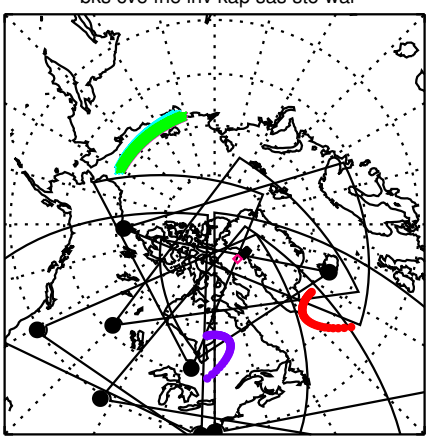
(d) 1115UT to 1200UT
fhe inv pyk sas wal



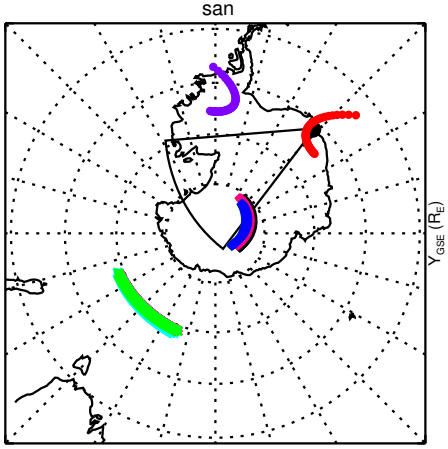


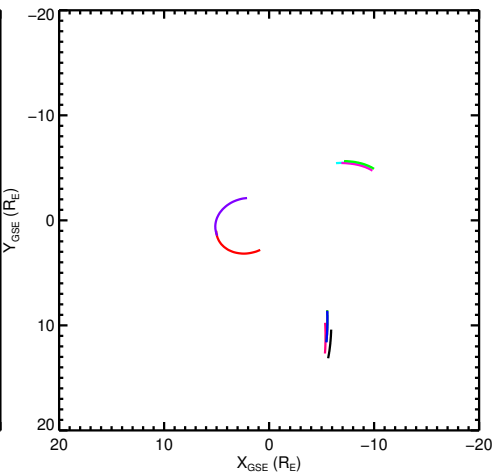


(e) 1410UT to 1805UT
bks cve fhe inv kap sas sto wal

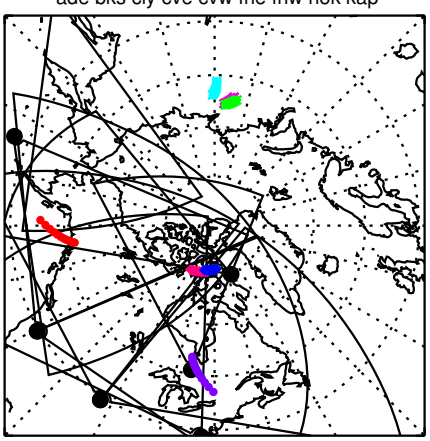


san

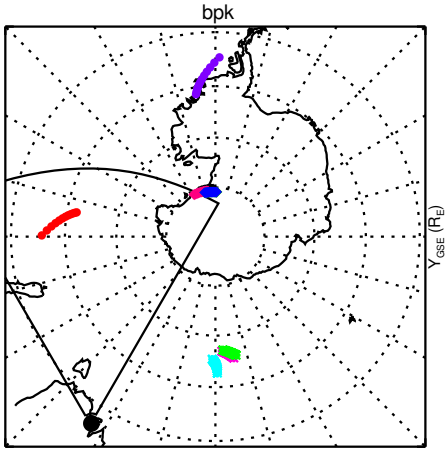


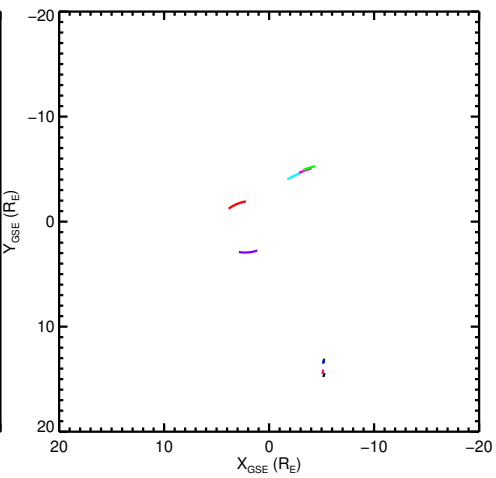


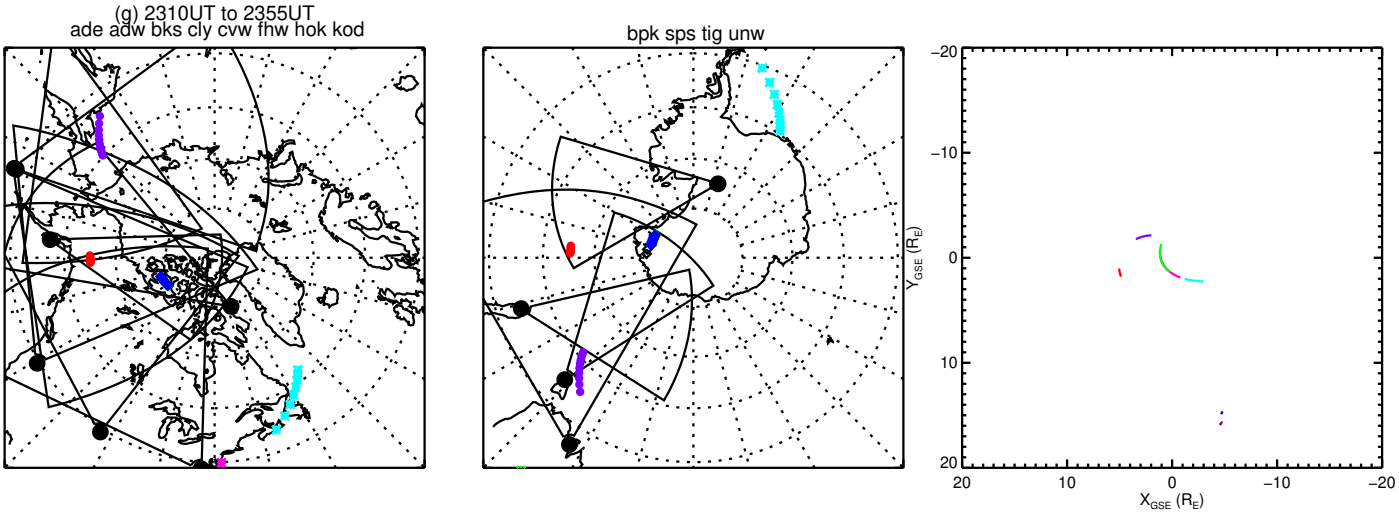
(f) 2010UT to 2105UT
ade bks cly cve cvw fhe fhw hok kap



bpk



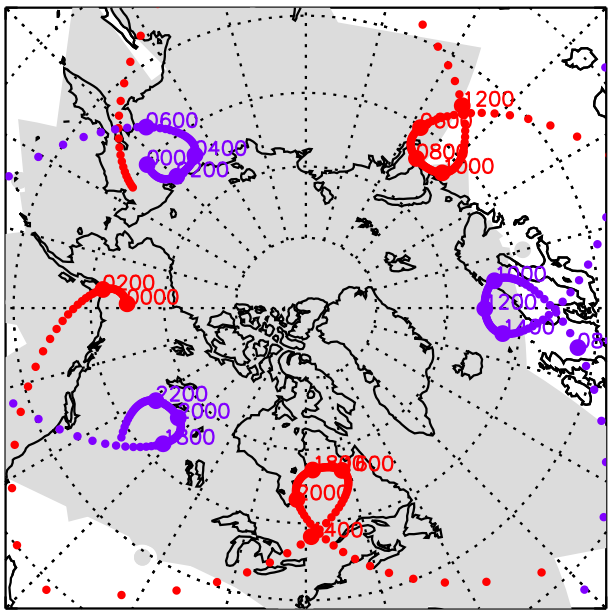


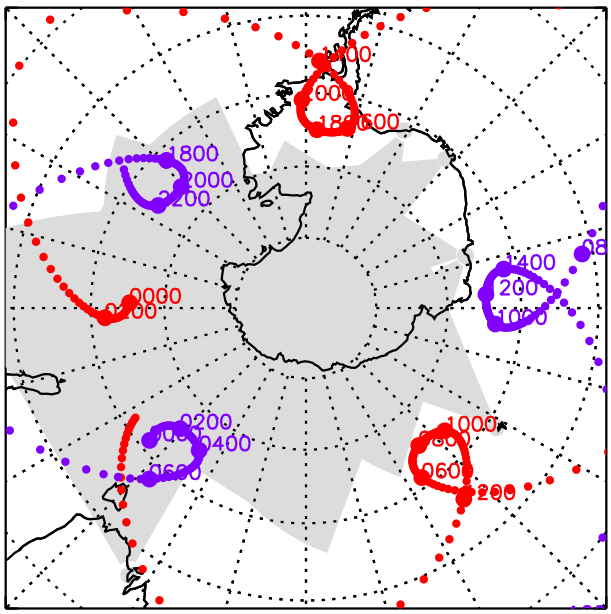

(g) 2310UT to 2355UT
ade adw bks cly cvw fhw hok kod
bpk sps tig unw
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

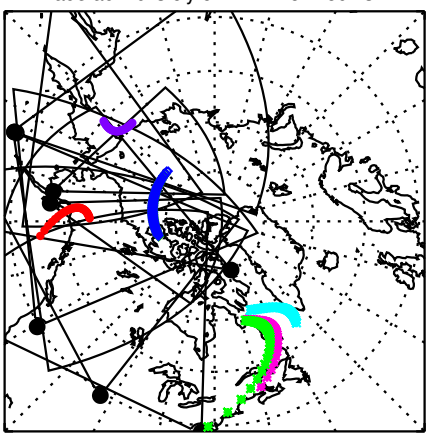
21−Nov−2015

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

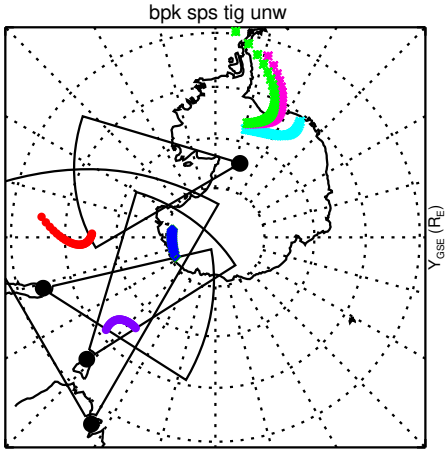


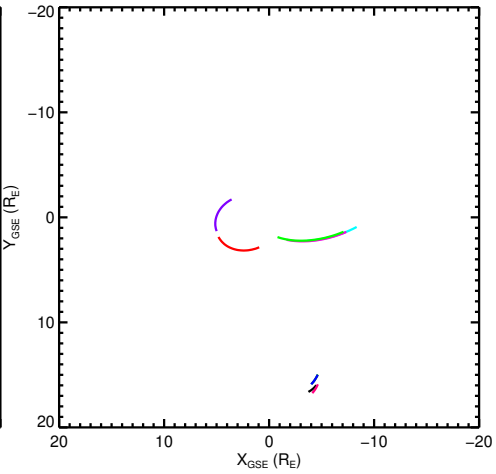


(a) 0000UT to 0300UT
ade adw bks cly cvw fhw hok kod ksr

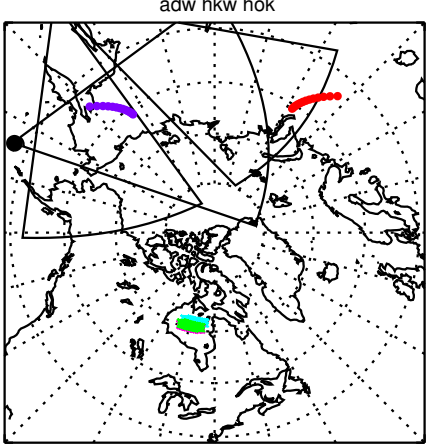


bpk sps tig unw

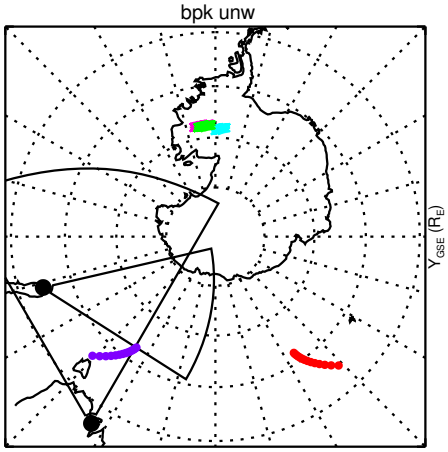


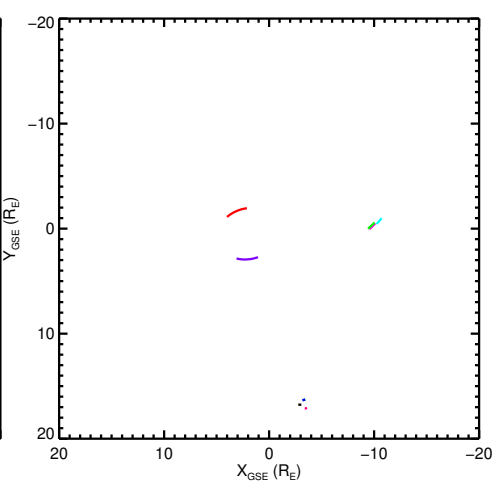


(b) 0505UT to 0610UT
adw hkw hok

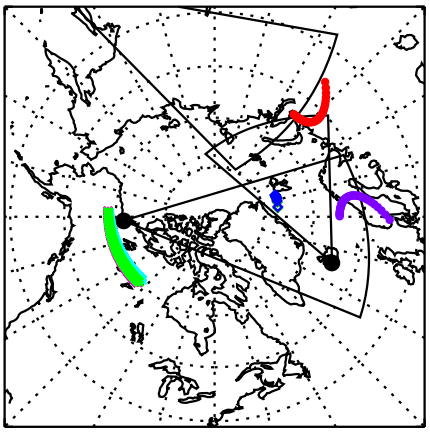


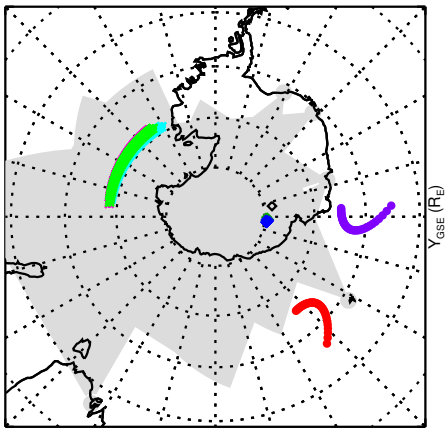
bpk unw

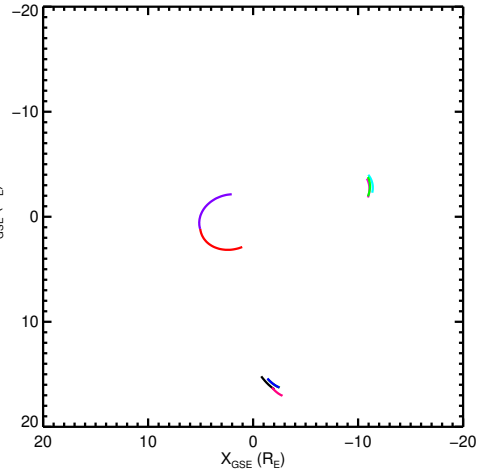




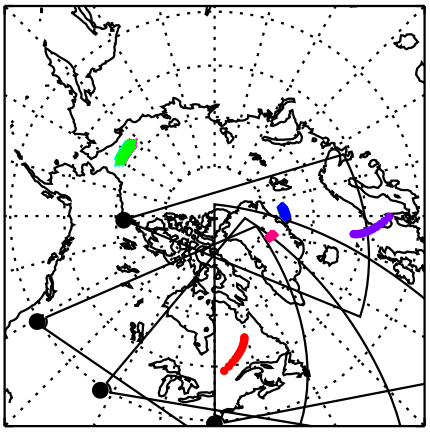
(c) 0815UT to 1155UT
hkw inv pyk

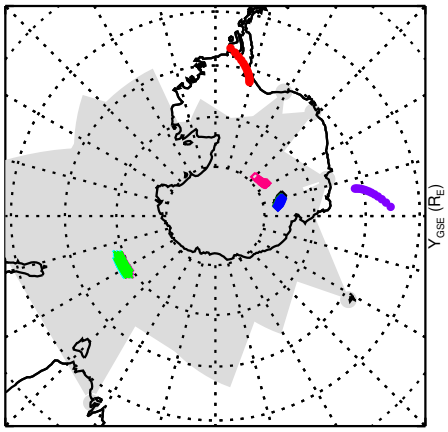


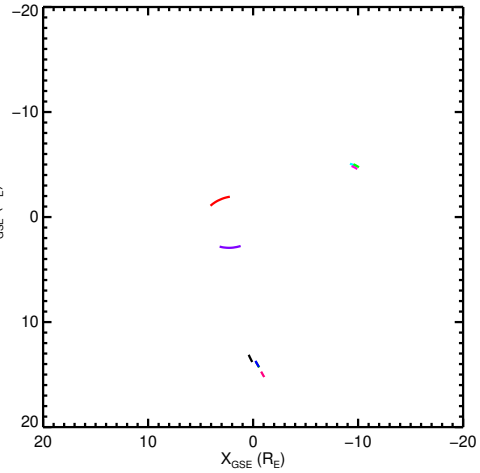




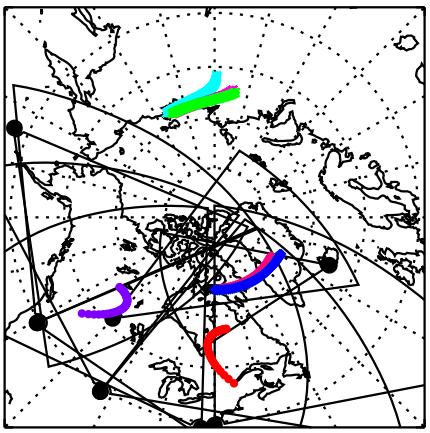
(d) 1405UT to 1510UT
cve fhe inv wal



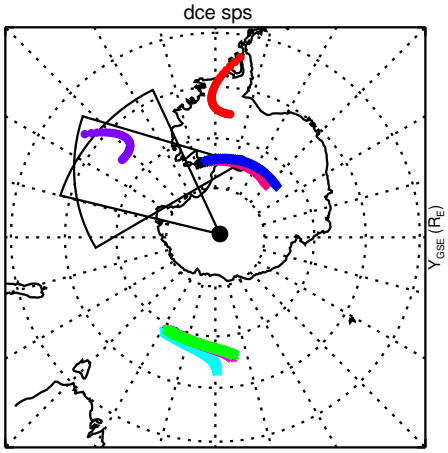


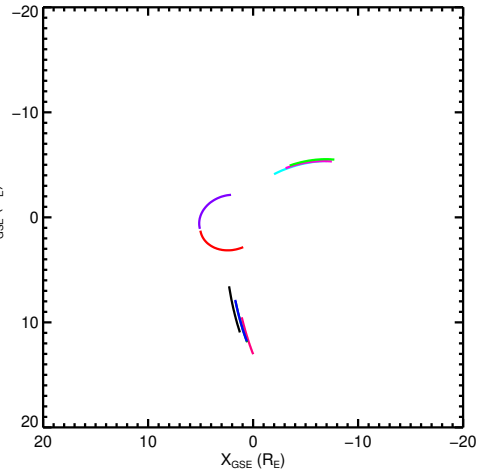


(e) 1720UT to 2055UT
ade bks cve cvw fhe fhw sas sto wal

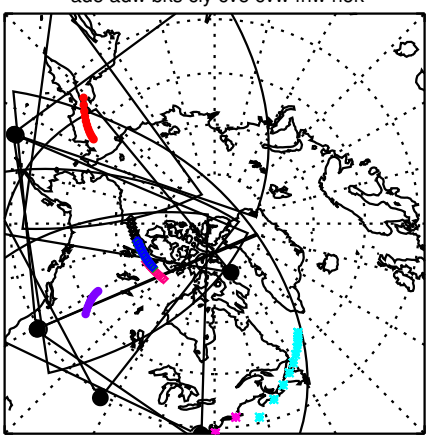


dce sps

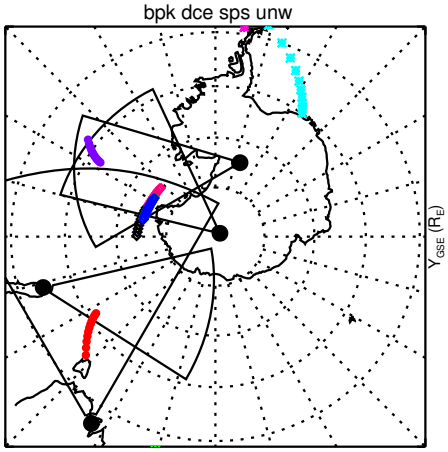


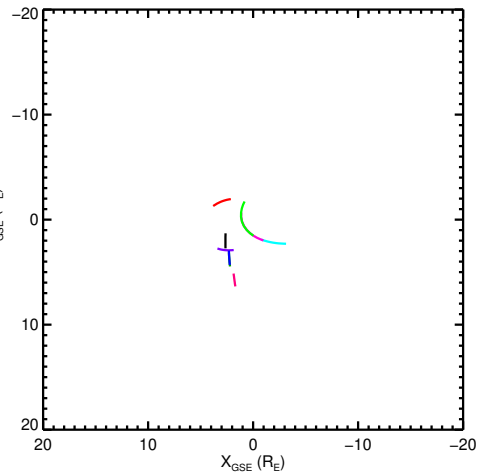


(f) 2300UT to 2355UT
ade adw bks cly cve cvw fhw hok



bpk dce sps unw

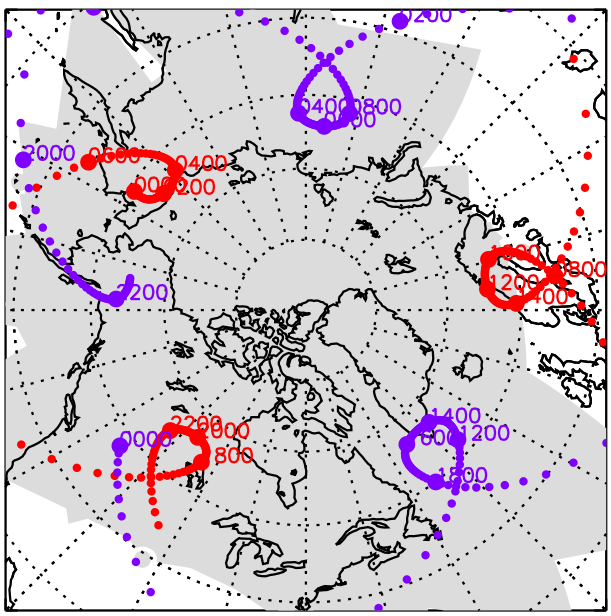


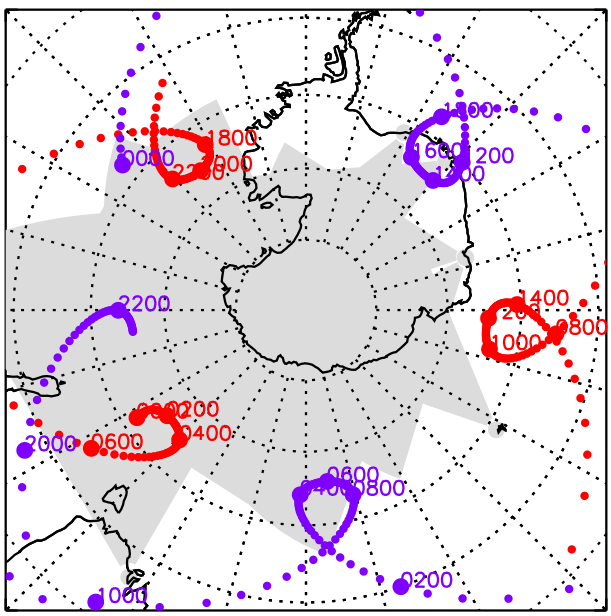


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

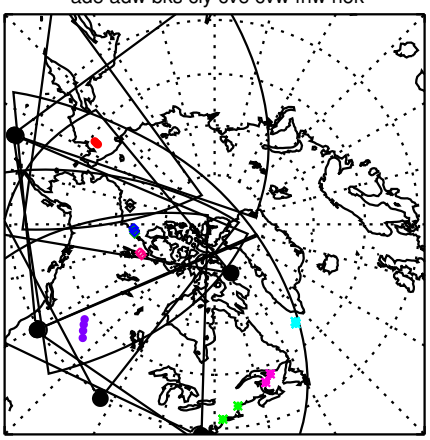
22–Nov–2015

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

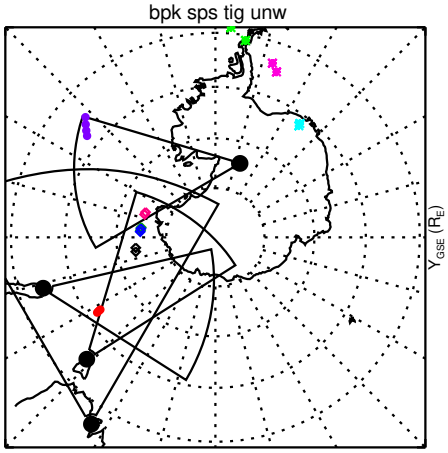


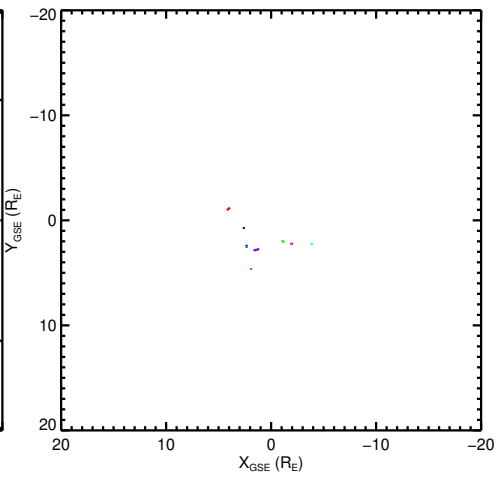


(a) 0000UT to 0015UT
ade adw bks cly cve cvw fhw hok

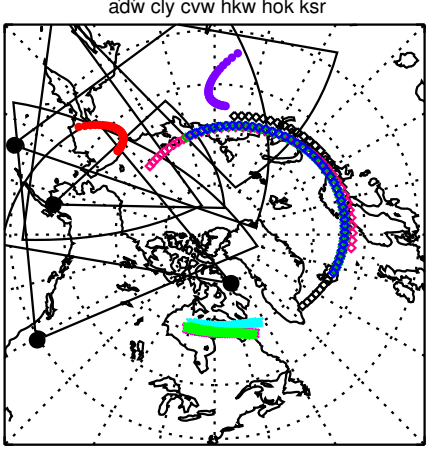


bpk sps tig unw

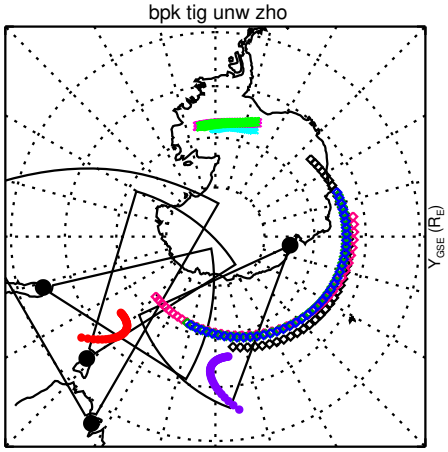


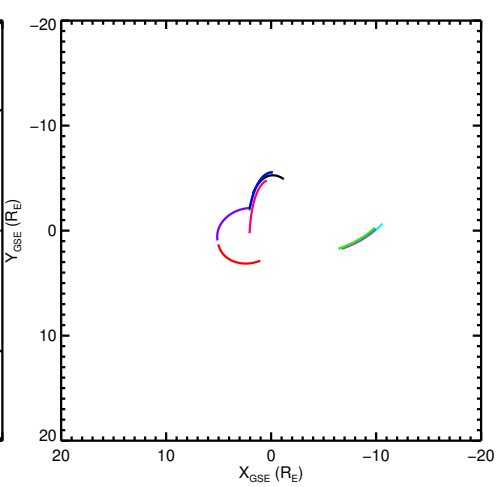


(b) 0220UT to 0550UT
adw cly cvw hkw hok ksr

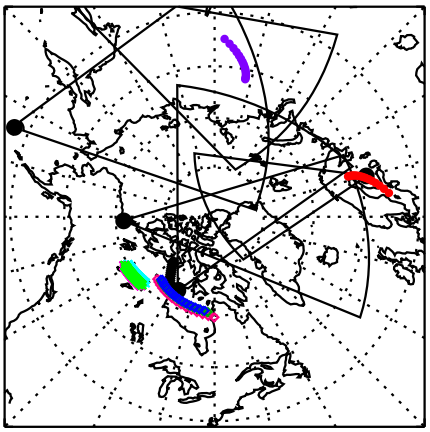


bpk tig unw zho

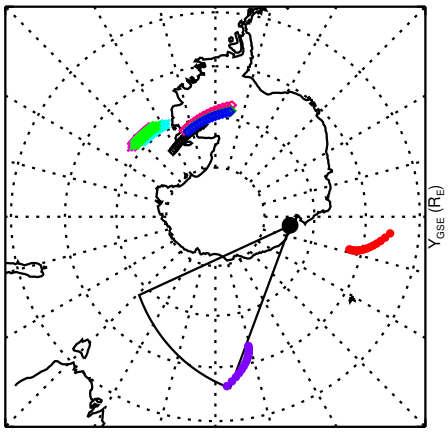


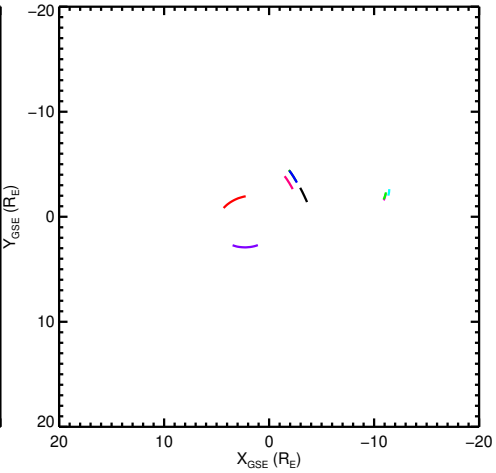


(c) 0800UT to 0920UT
adw han hkw inv rkn

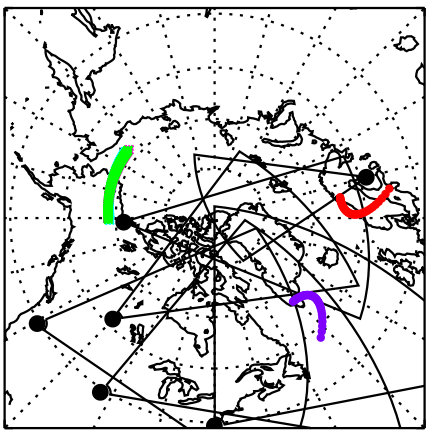


zho

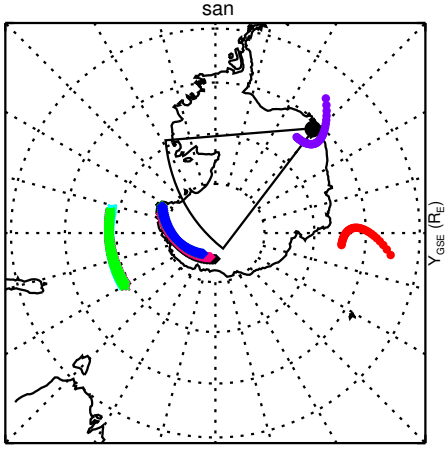


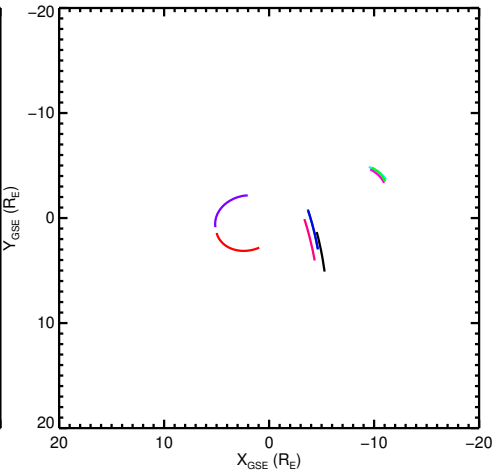


(d) 1125UT to 1450UT
cve fhe han inv sas wal

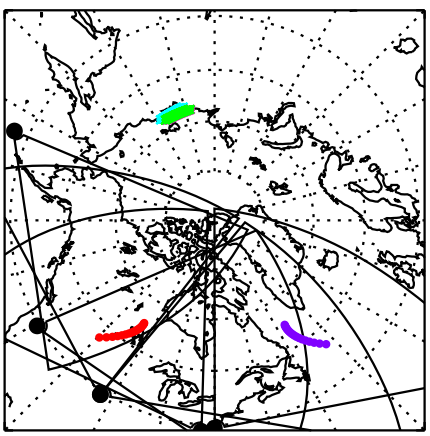


san

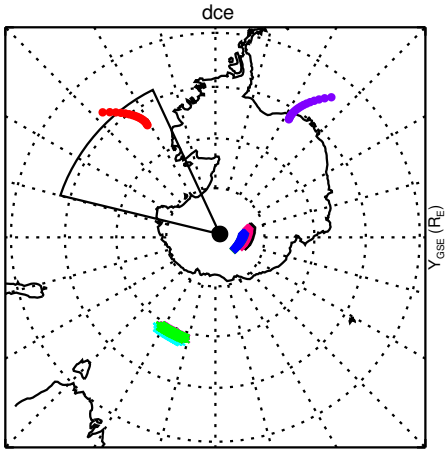


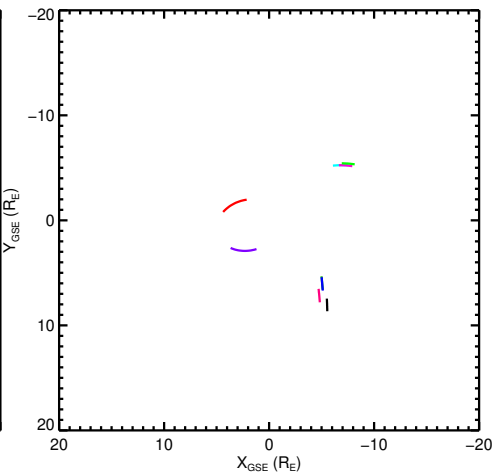


(e) 1655UT to 1820UT
ade bks cve fhe fhw wal

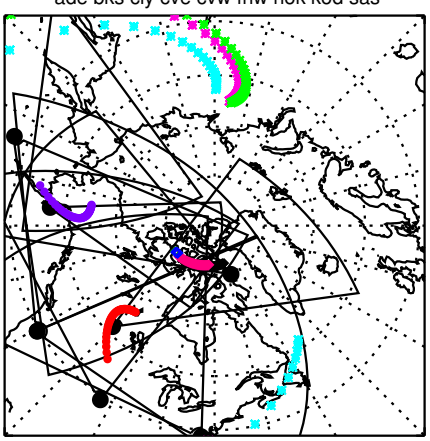


dce

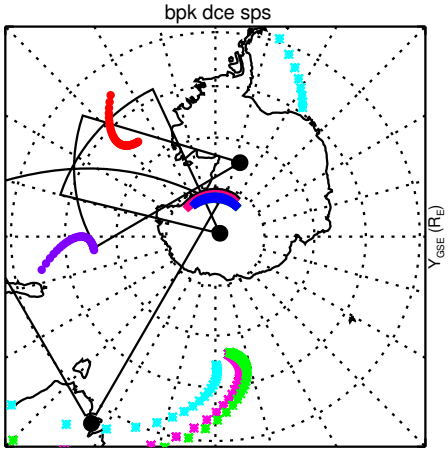


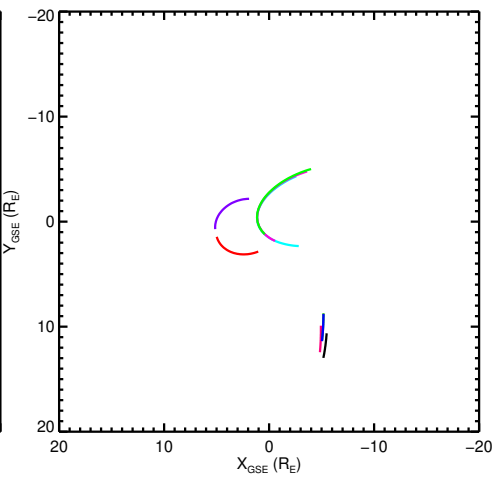


(f) 2025UT to 2345UT
ade bks cly cve cvw fhw hok kod sas



bpk dce sps

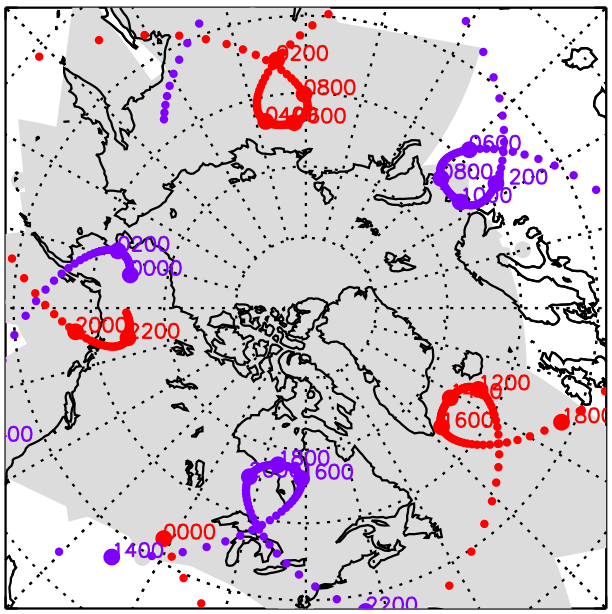


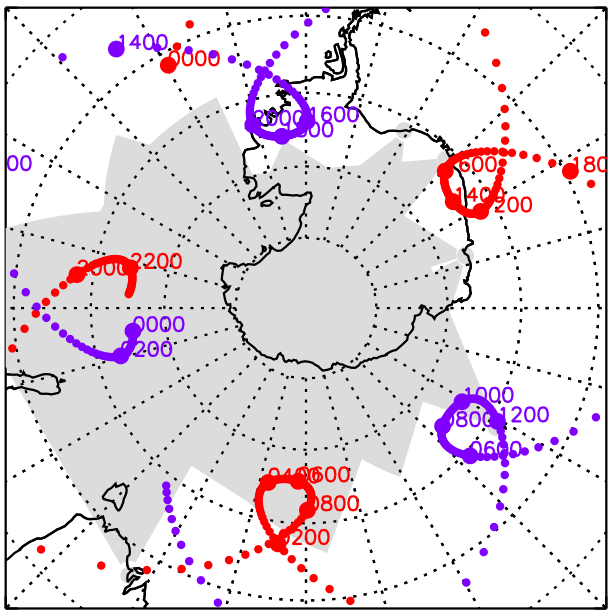


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

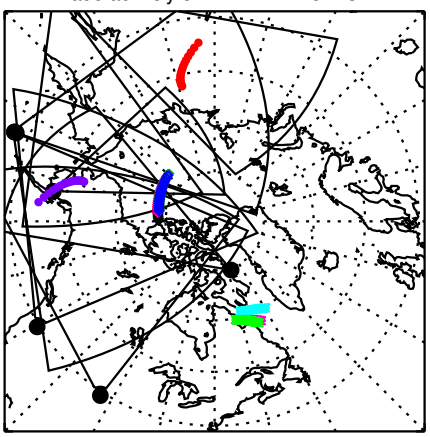
23–Nov–2015

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

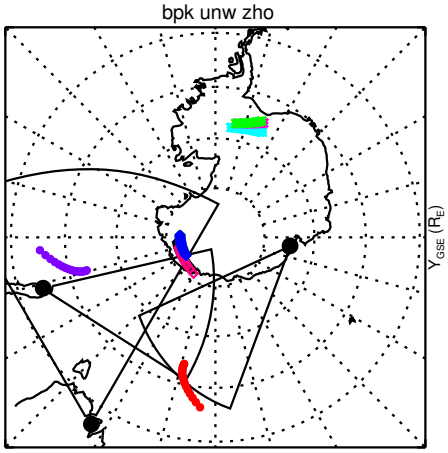


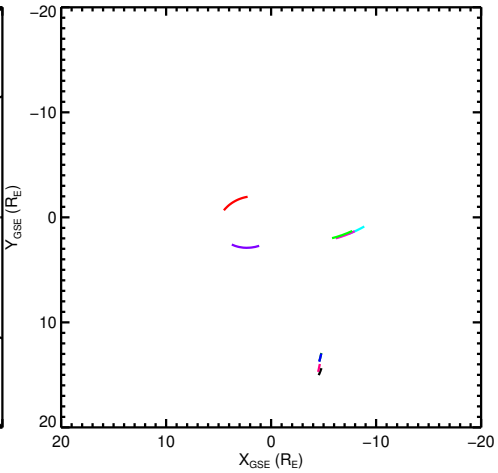


(a) 0155UT to 0325UT
ade adw cly cvw fhw hkw hok ksr

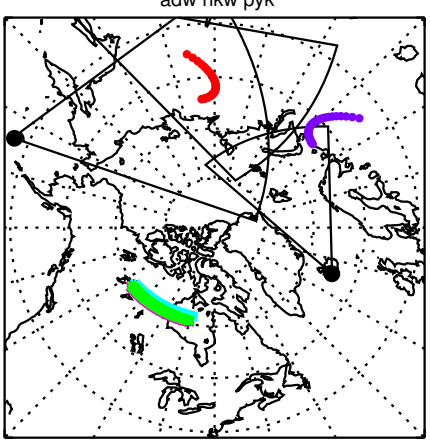


bpk unw zho

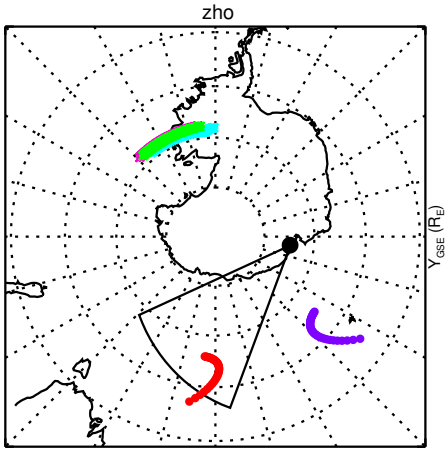


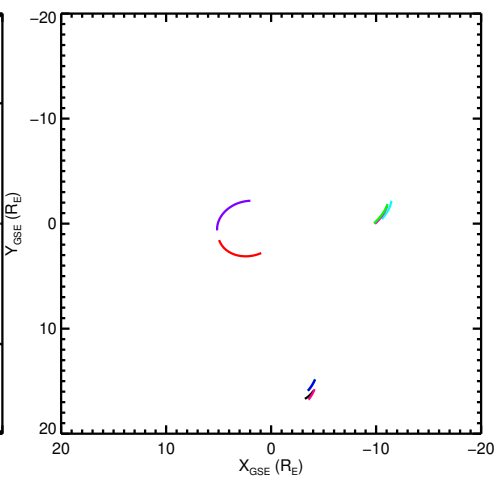


(b) 0530UT to 0845UT
adw hkw pyk



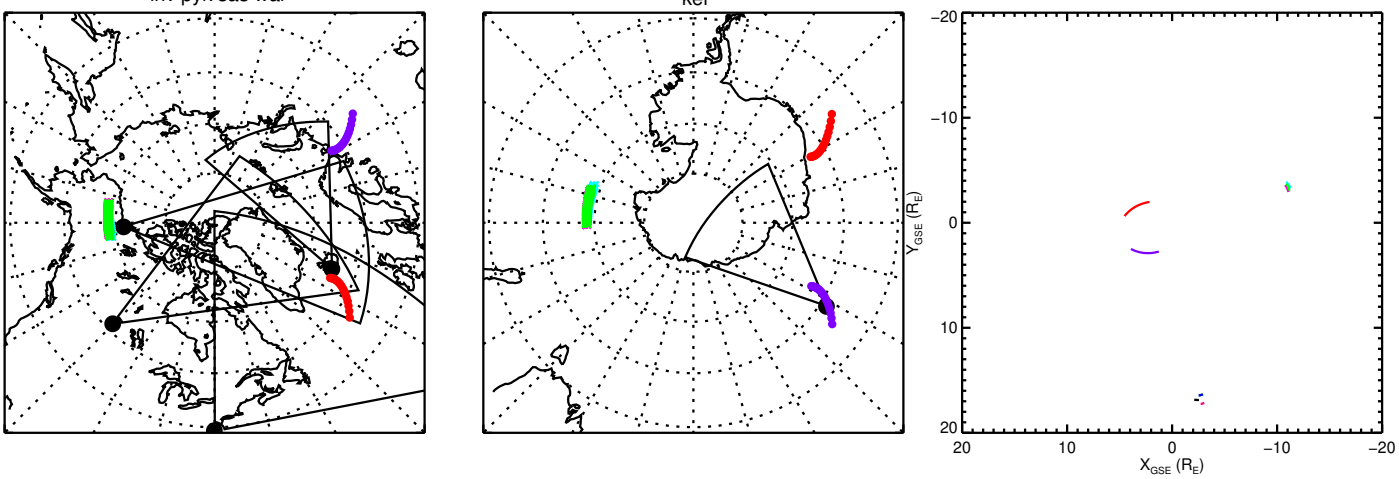
zho



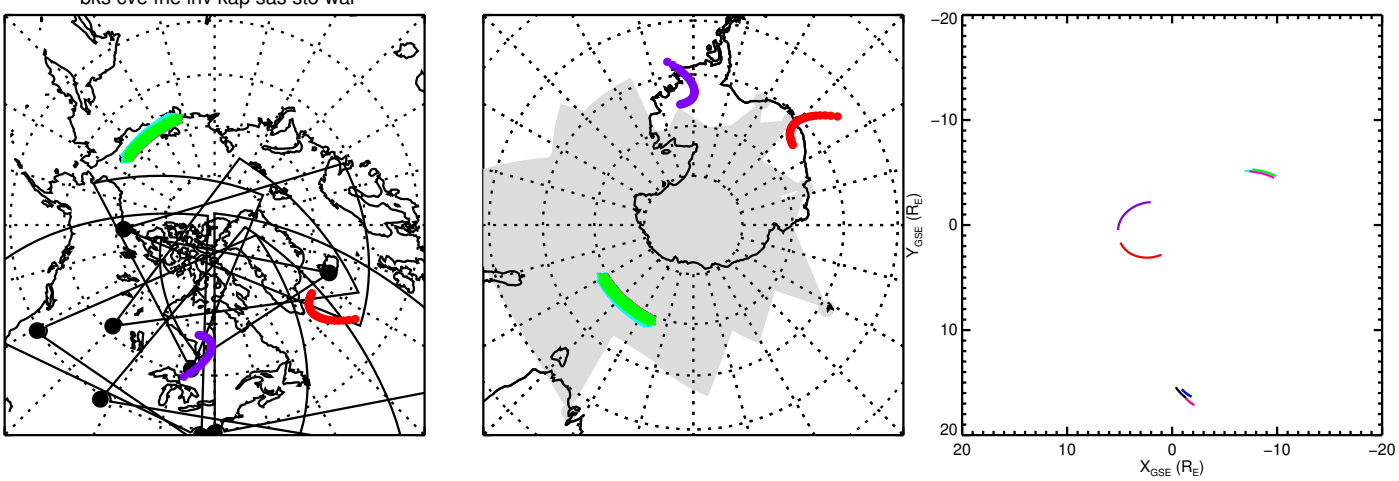


(c) 1050UT to 1225UT
inv pyk sas wal

ker

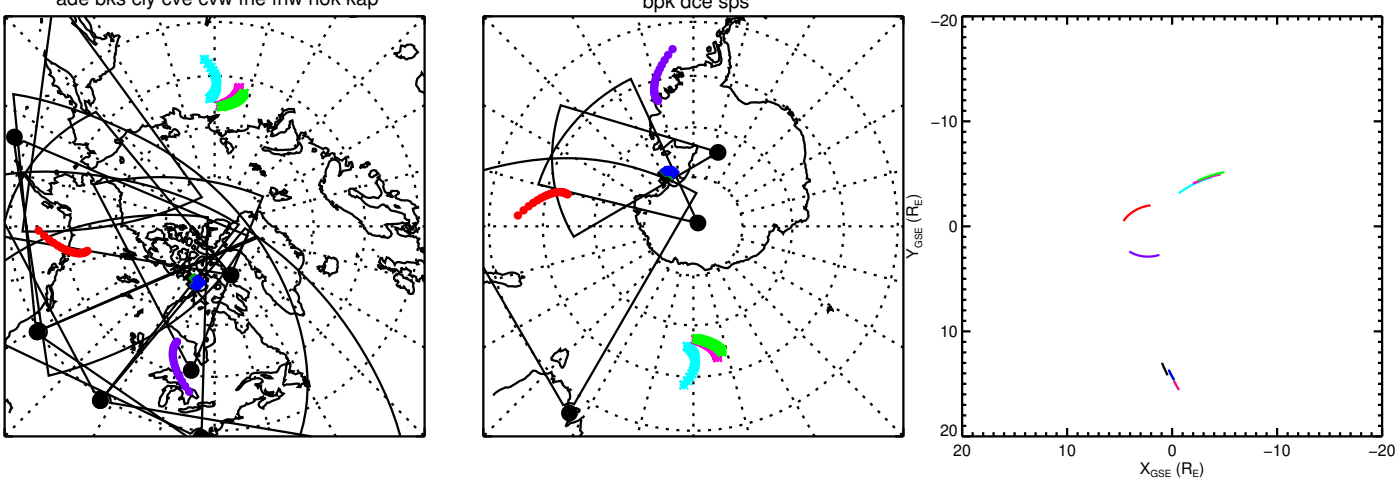


(d) 1435UT to 1740UT
bks cve fhe inv kap sas sto wal



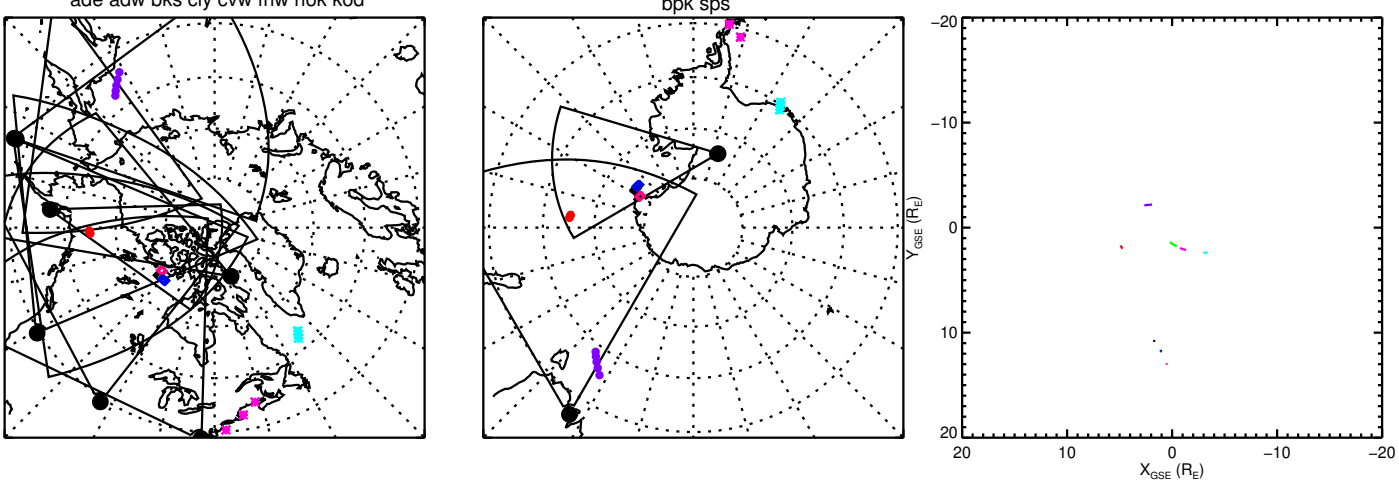
(e) 1945UT to 2130UT
ade bks cly cve cvw fhe fhw hok kap

bpk dce sps



(f) 2335UT to 2355UT
ade adw bks cly cvw fhw hok kod

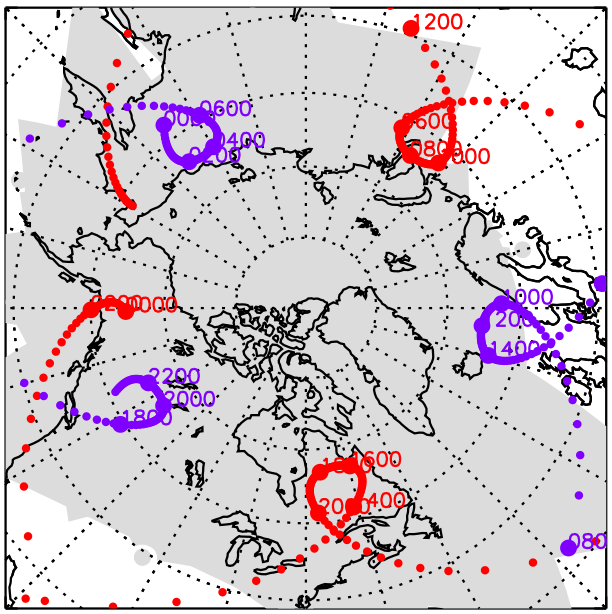
bpk sps

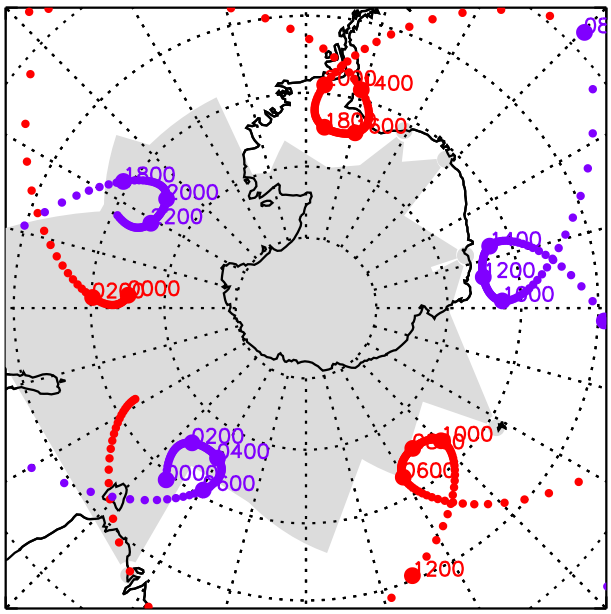


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

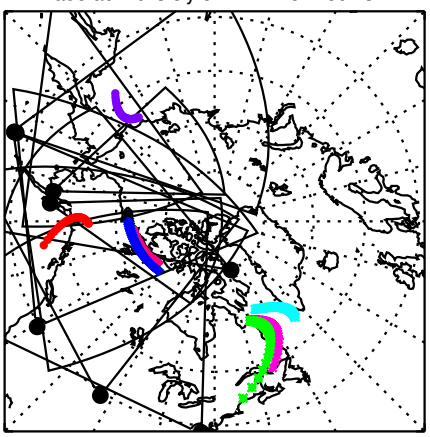
24–Nov–2015

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

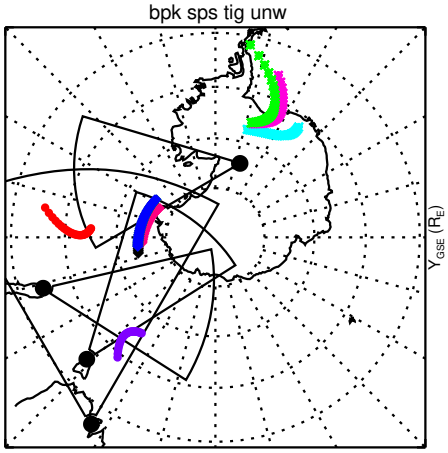


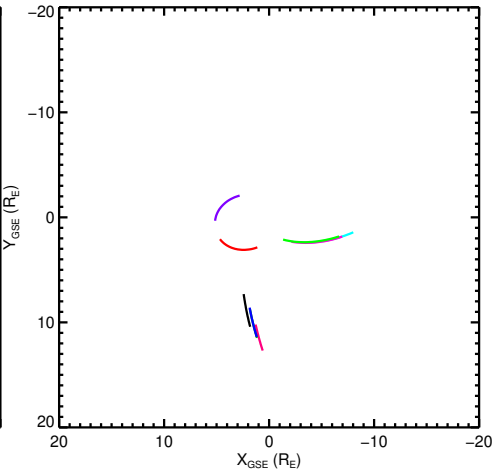


(a) 0000UT to 0235UT
ade adw bks cly cvw fhw hok kod ksr

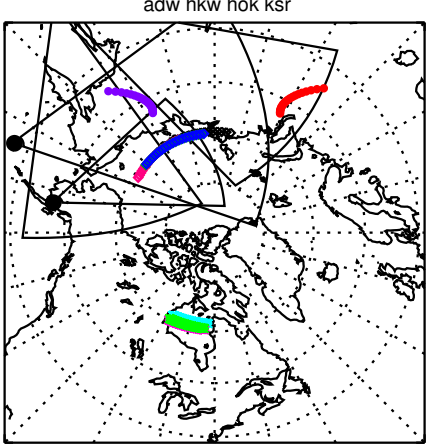


bpk sps tig unw

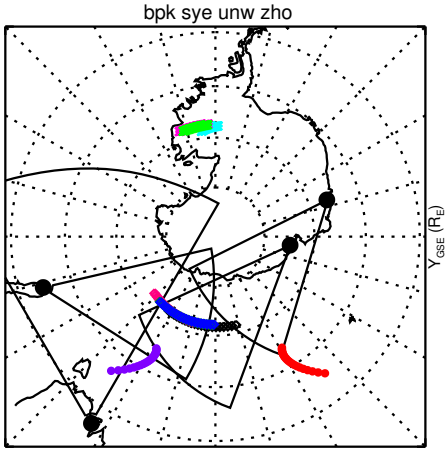


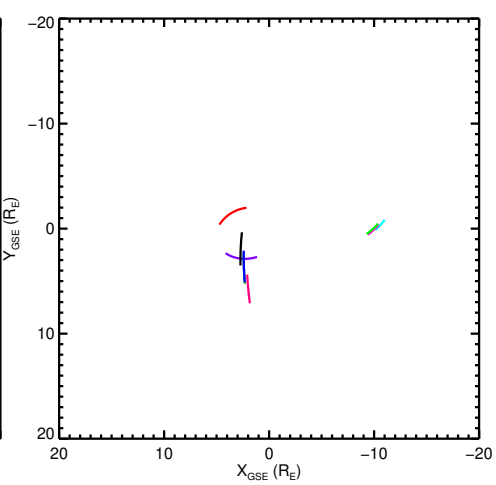


(b) 0445UT to 0635UT
adw hkw hok ksr

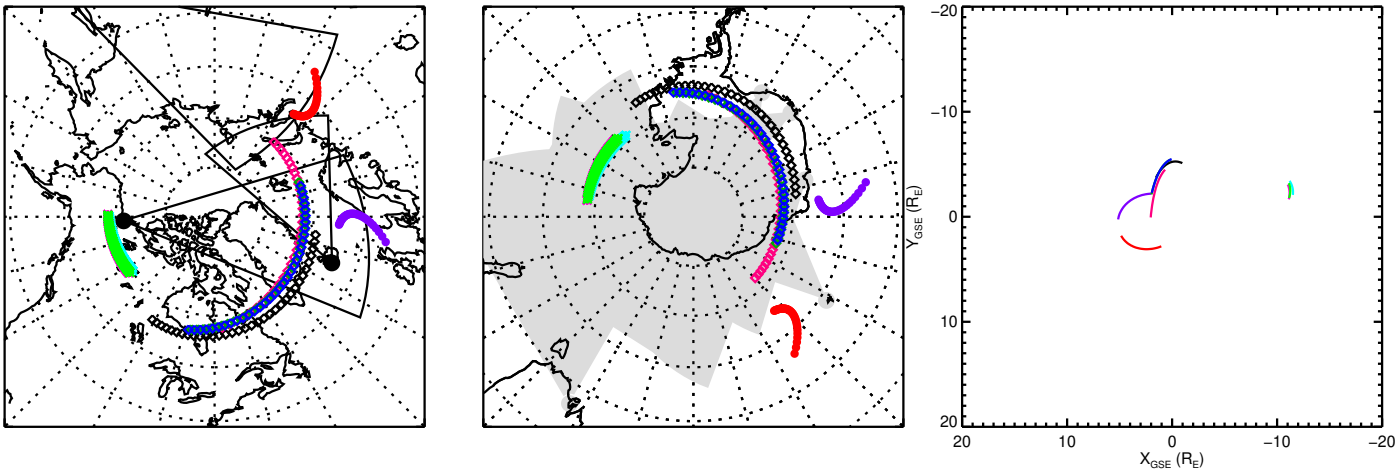


bpk sye unw zho

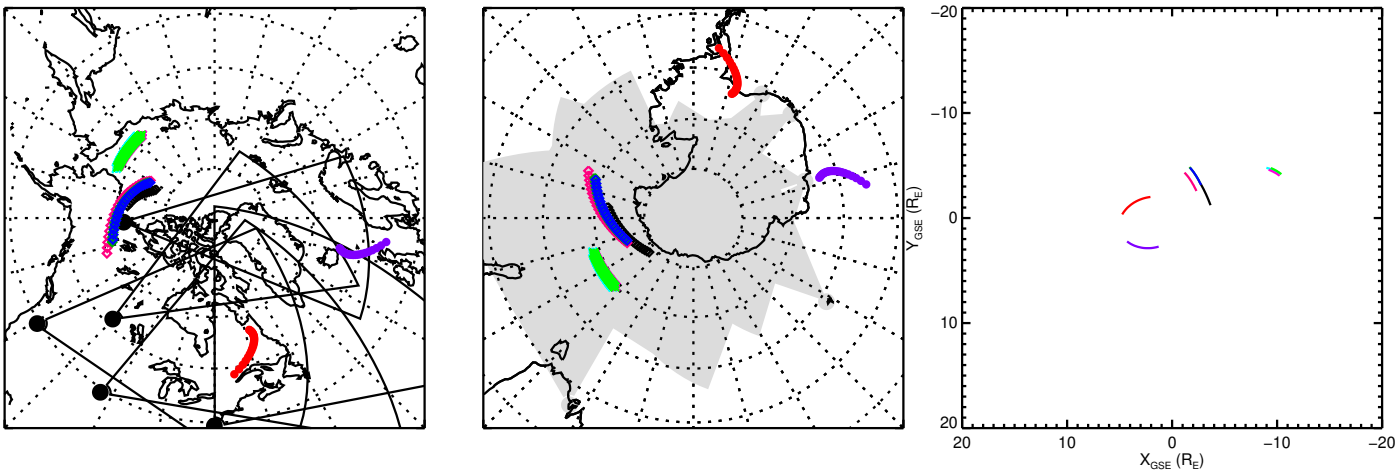




(c) 0840UT to 1135UT
hkw inv pyk

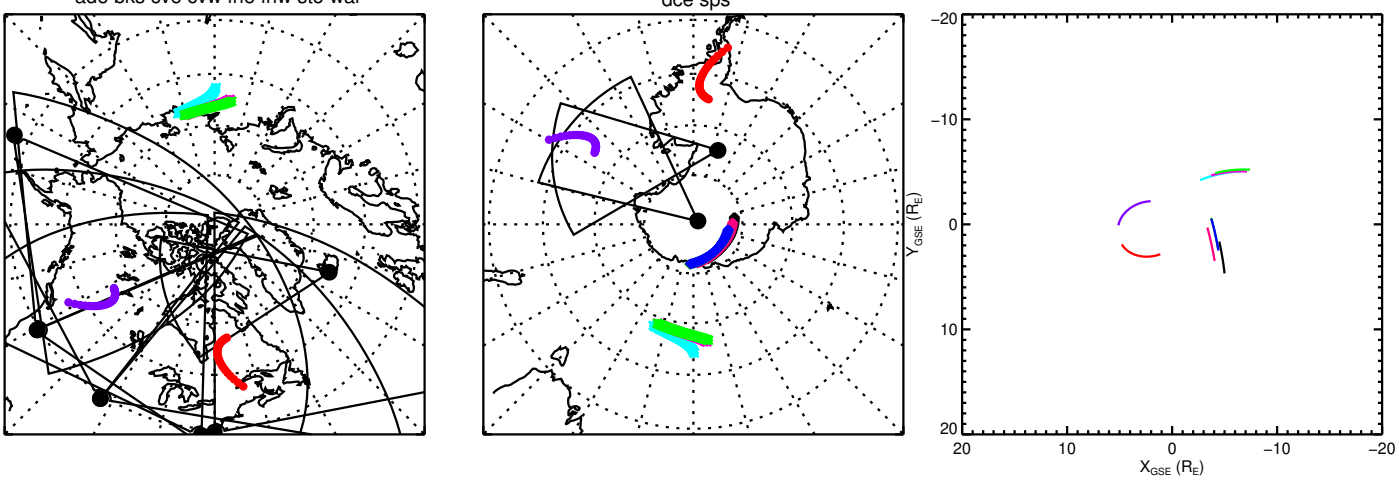


(d) 1340UT to 1535UT
cve fhe inv sas wal



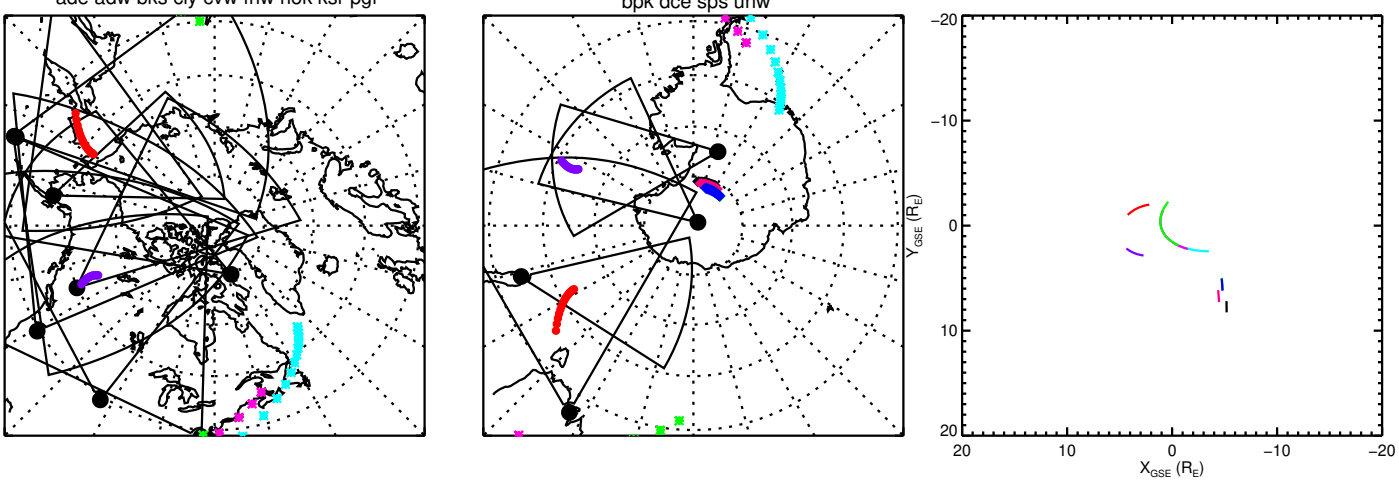
(e) 1745UT to 2030UT
ade bks cve cvw fhe fhw sto wal

dce sps



(f) 2240UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr

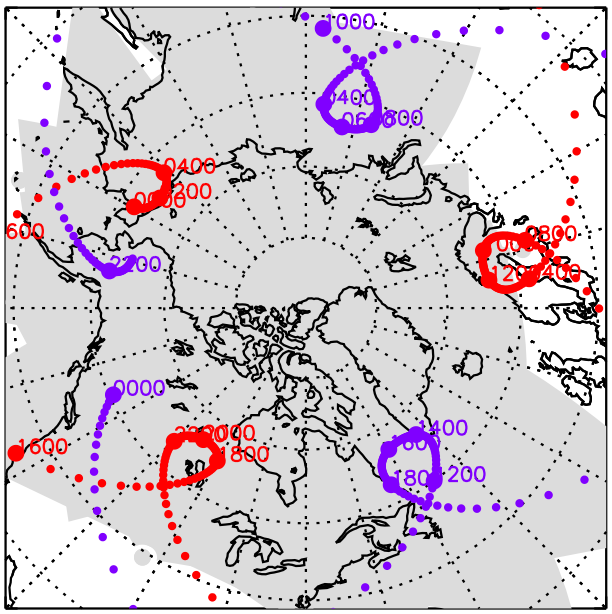
bpk dce sps unw

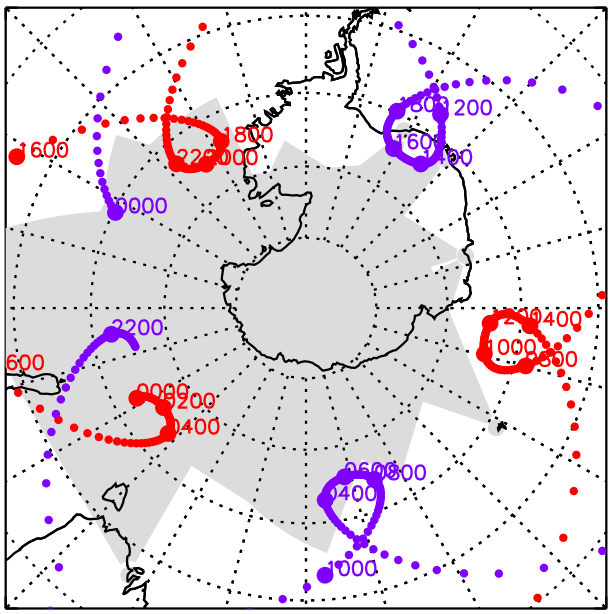


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

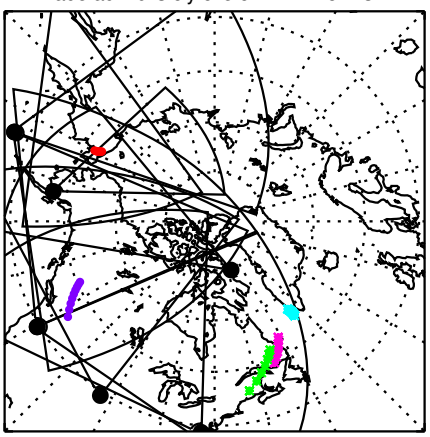
25–Nov–2015

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

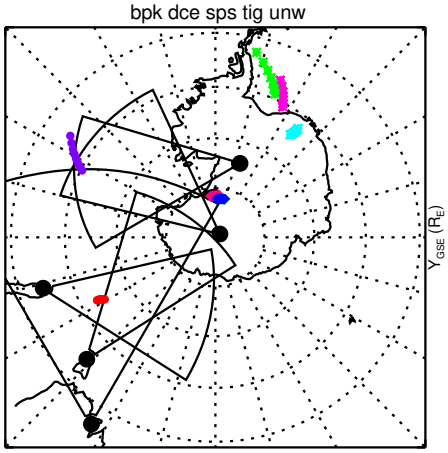


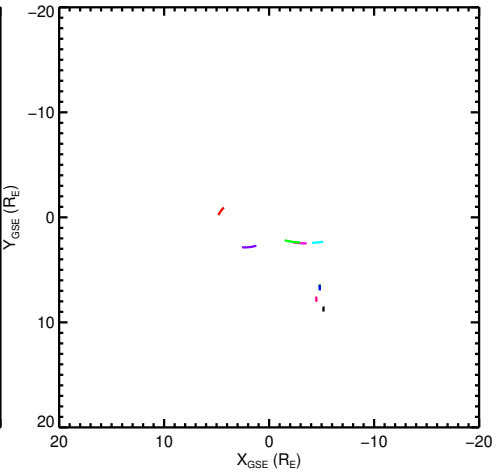


(a) 0000UT to 0040UT
ade adw bks cly cve cvw fhw hok ksr

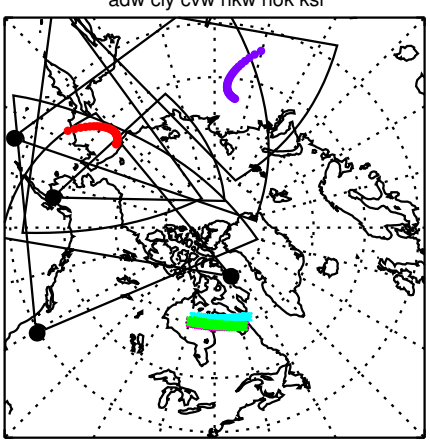


bpk dce sps tig unw

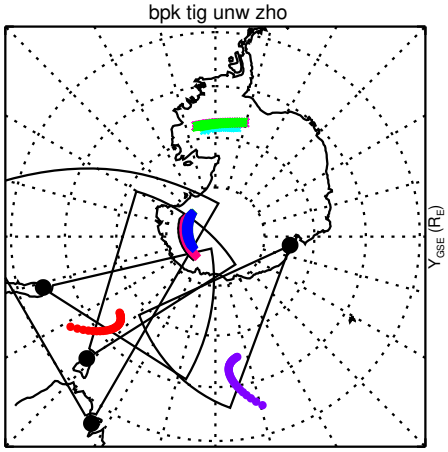


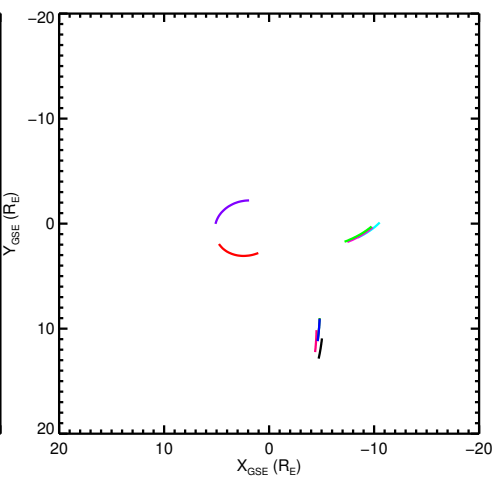


(b) 0245UT to 0530UT
adw cly cvw hkw hok ksr

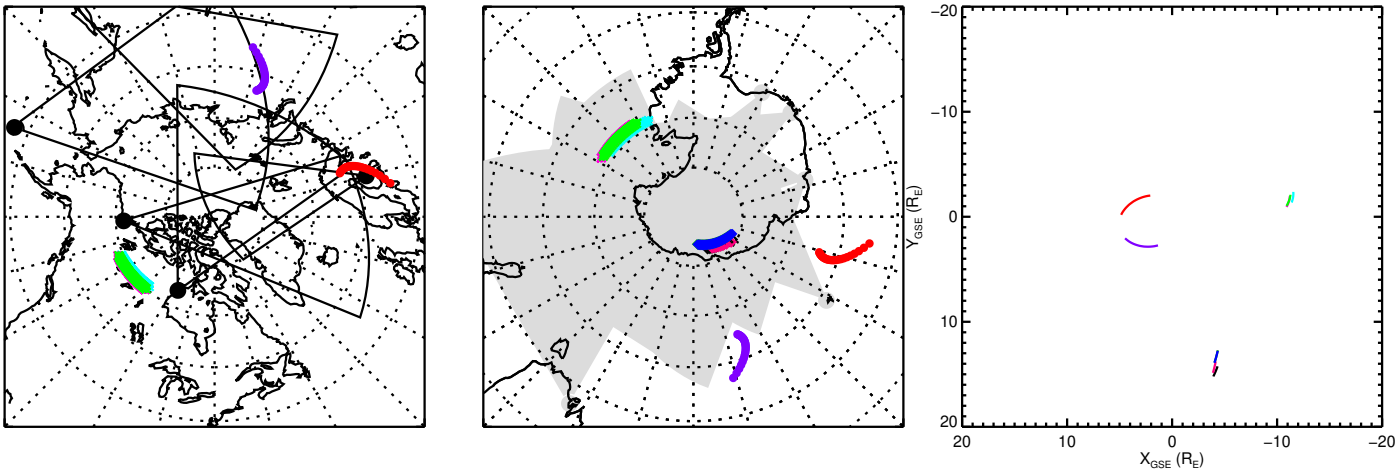


bpk tig unw zho



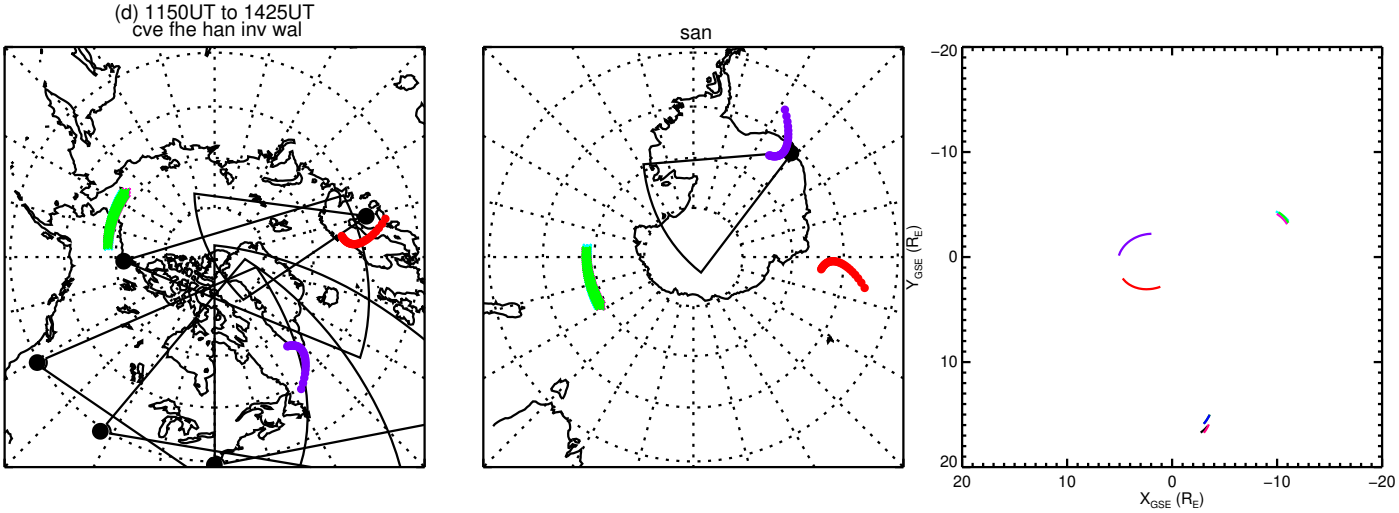


(c) 0735UT to 0940UT
adw han hkw inv rkn



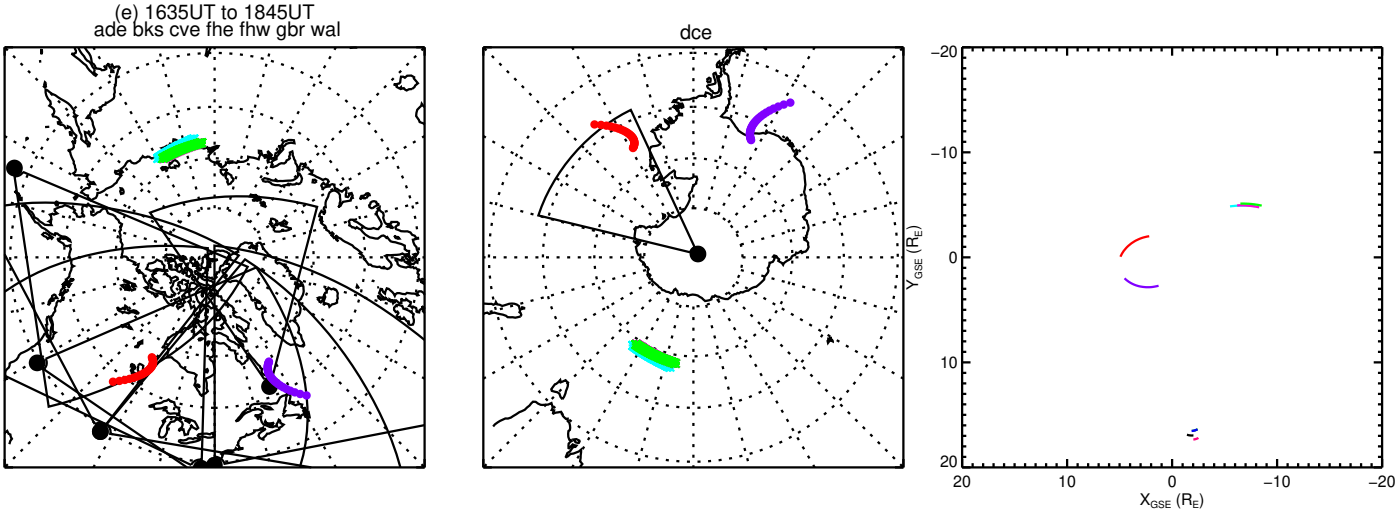
(d) 1150UT to 1425UT
cve fhe han inv wal

san



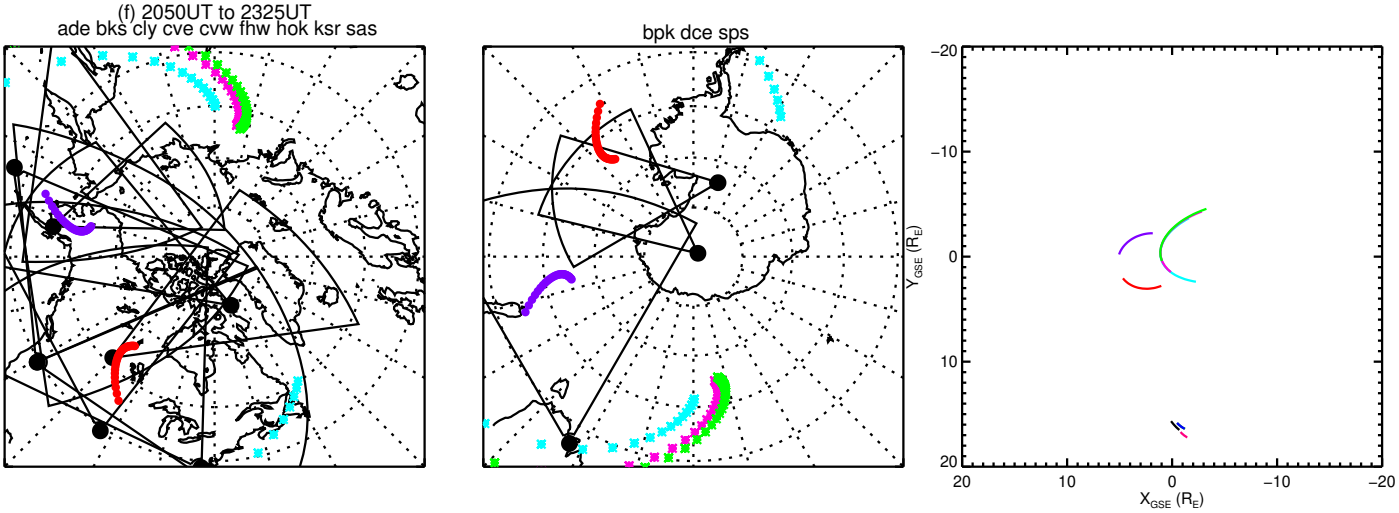
(e) 1635UT to 1845UT
ade bks cve fhe fhw gbr wal

dce



(f) 2050UT to 2325UT
ade bks cly cve cvw fhw hok ksr sas

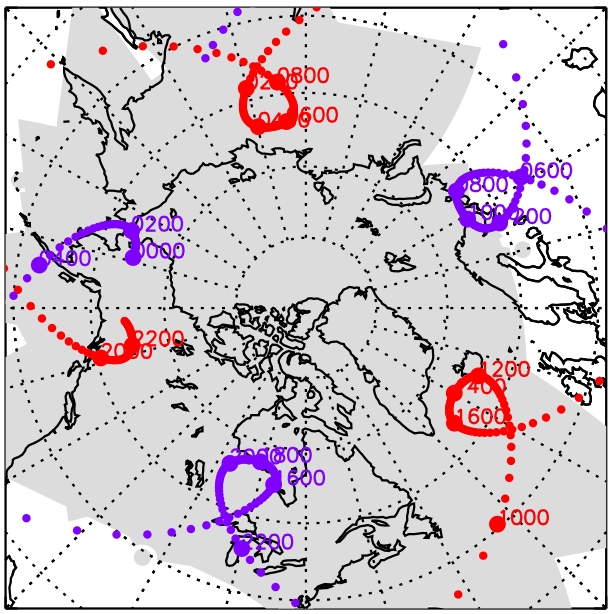
bpk dce sps

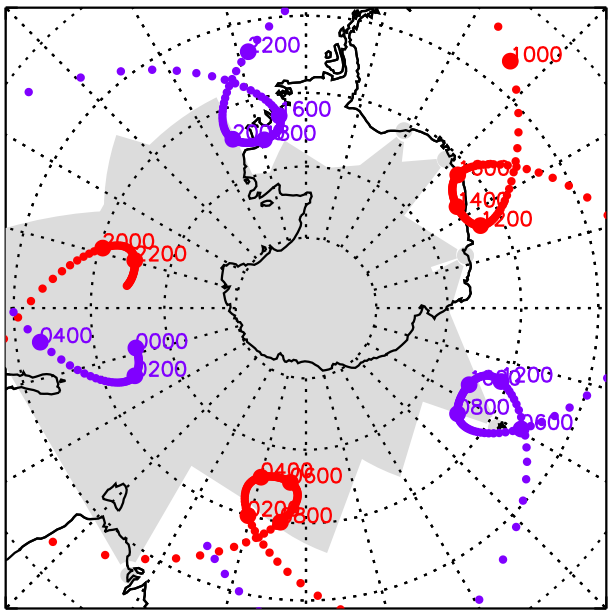


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

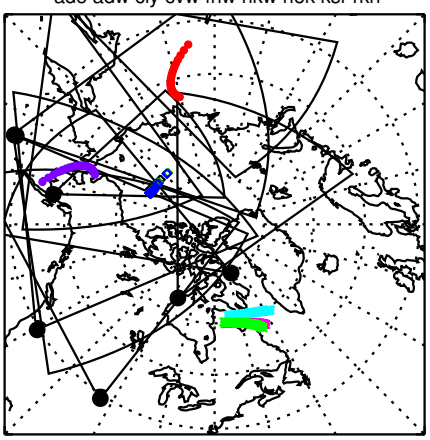
26–Nov–2015

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

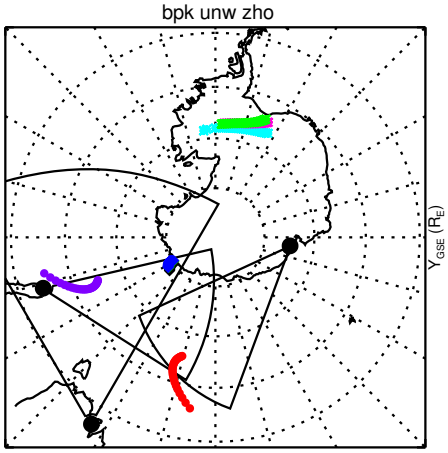


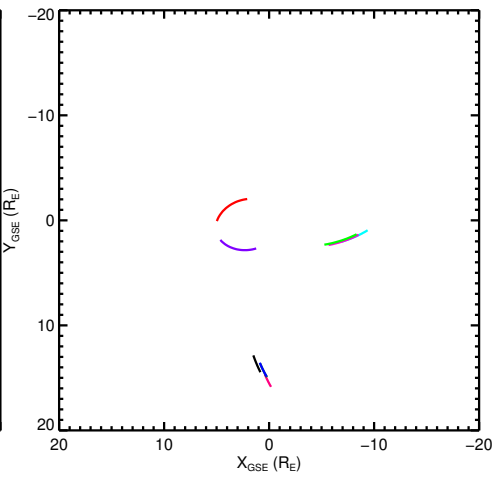


(a) 0130UT to 0350UT
ade adw cly cvw fhw hkw hok ksr rkn

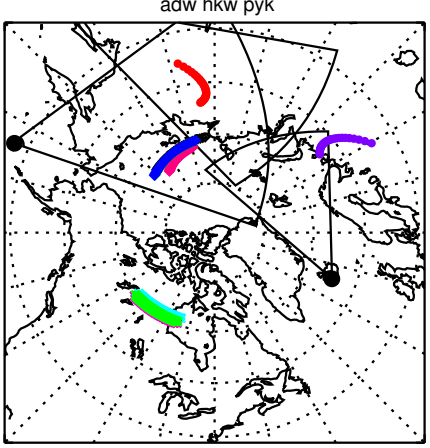


bpk unw zho

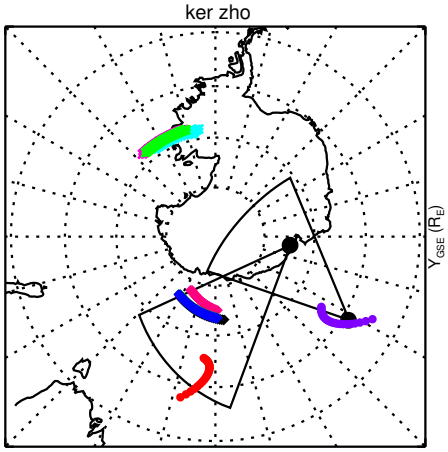


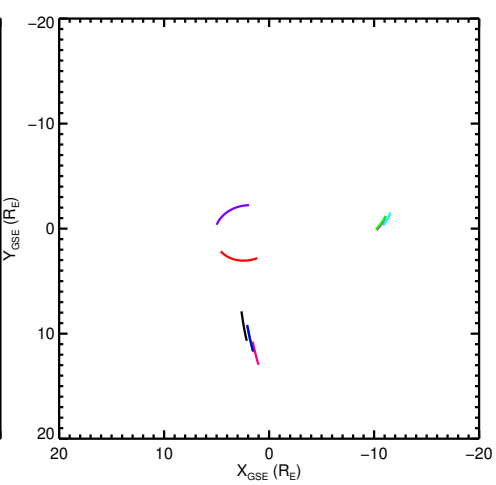


(b) 0555UT to 0820UT
adw hkw pyk



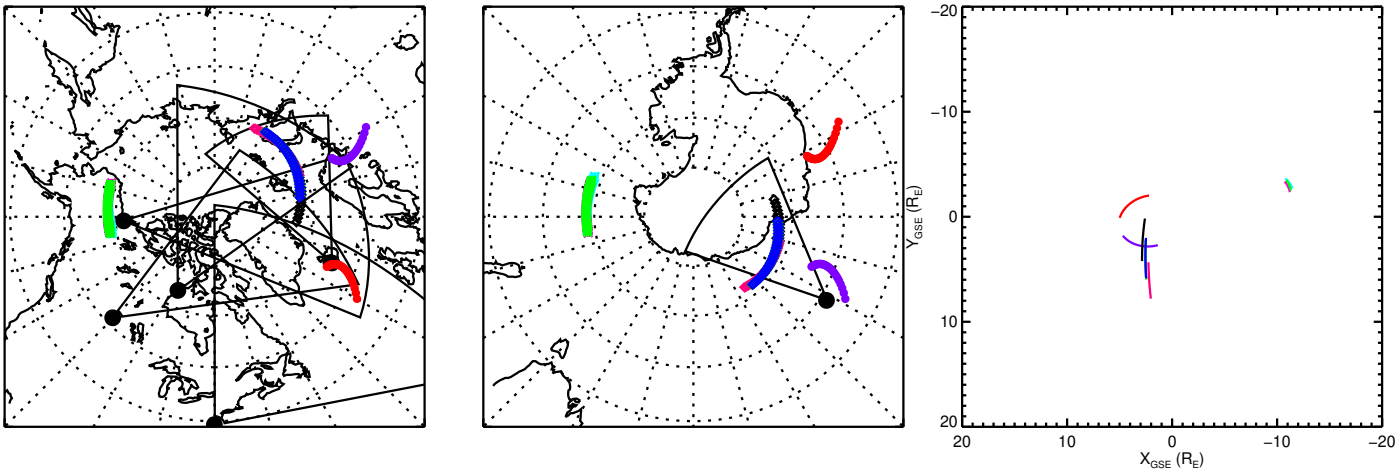
ker zho



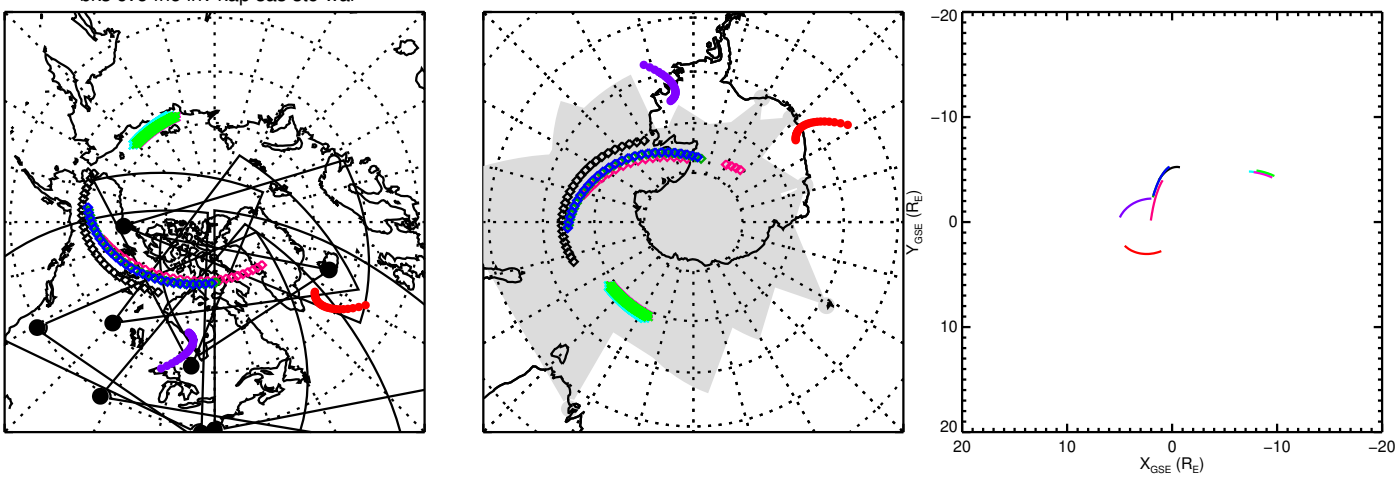


(c) 1030UT to 1250UT
inv pyk rkn sas wal

ker

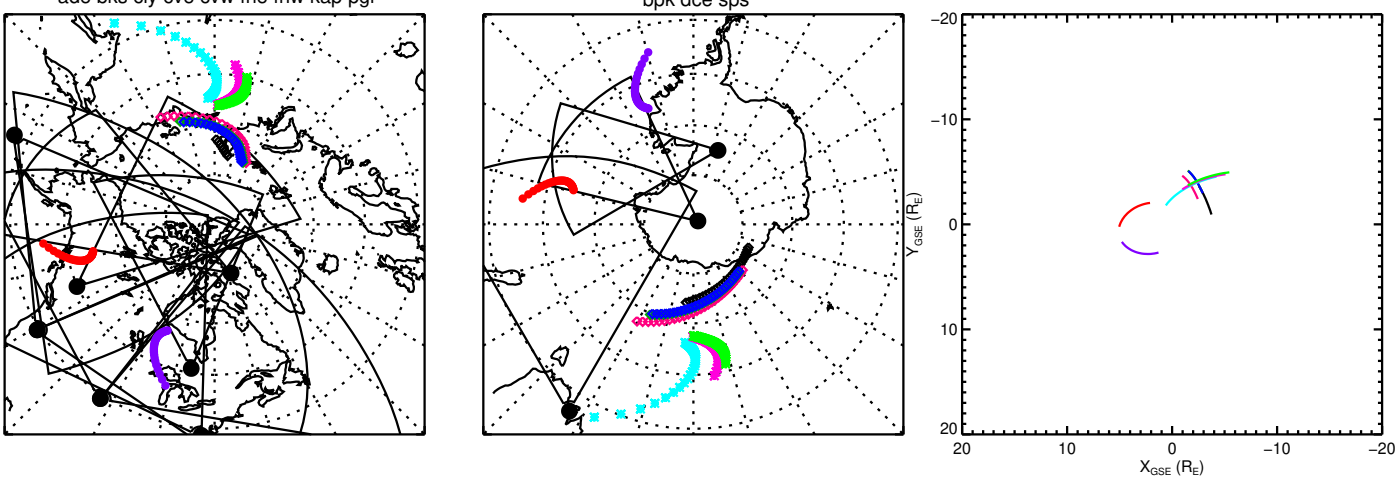


(d) 1500UT to 1720UT
bks cve fhe inv kap sas sto wal



(e) 1925UT to 2155UT
ade bks cly cve cvw fhe fhw kap pgr

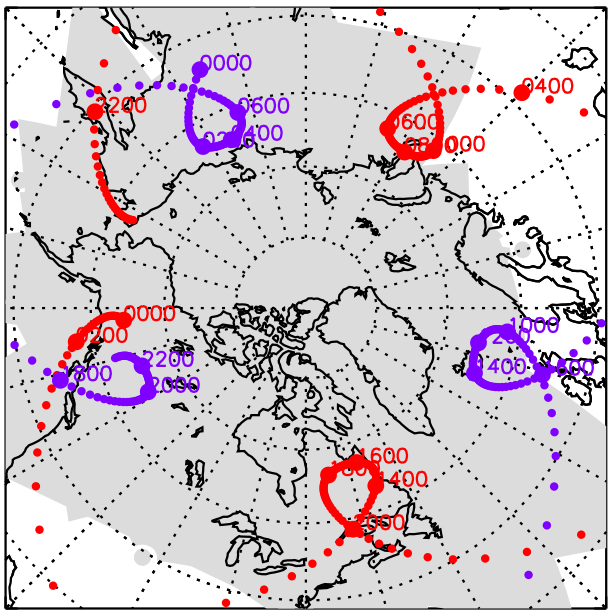
bpk dce sps

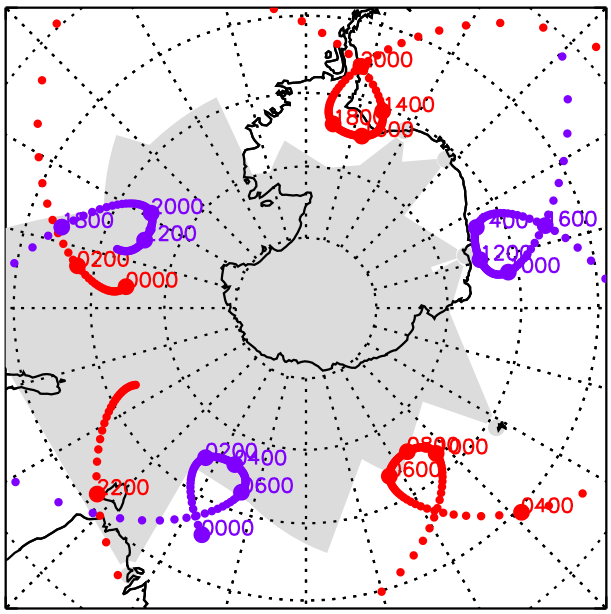


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

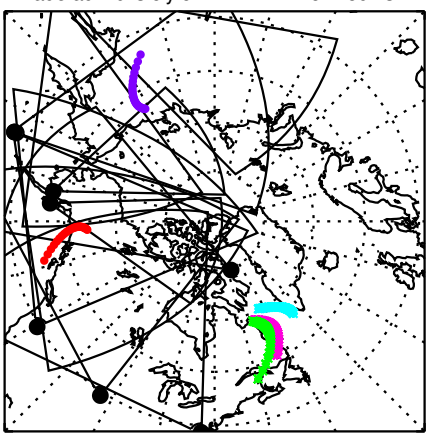
27–Nov–2015

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

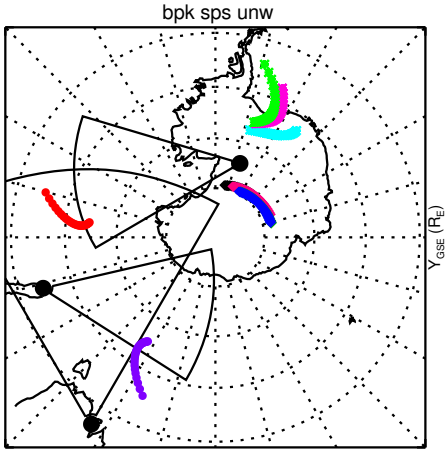


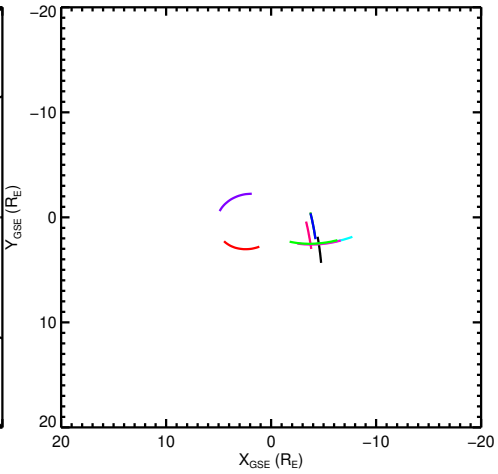


(a) 0000UT to 0215UT
ade adw bks cly cvw fhw hkw hok kod ksr

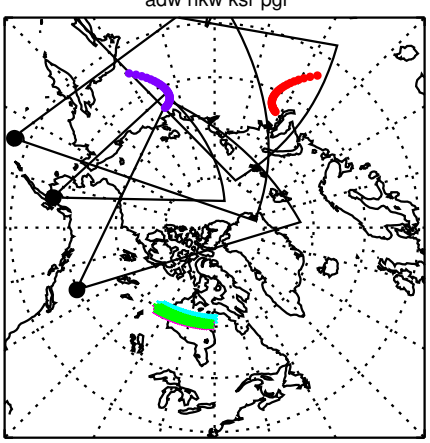


bpk sps unw

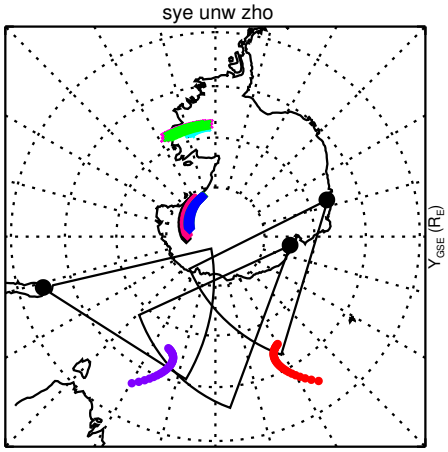


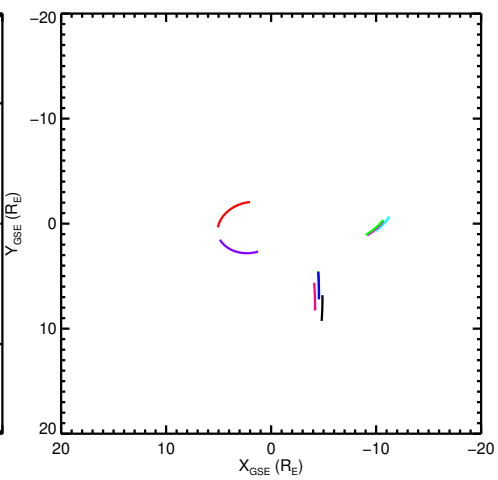


(b) 0420UT to 0700UT
adw hkw ksr pgr

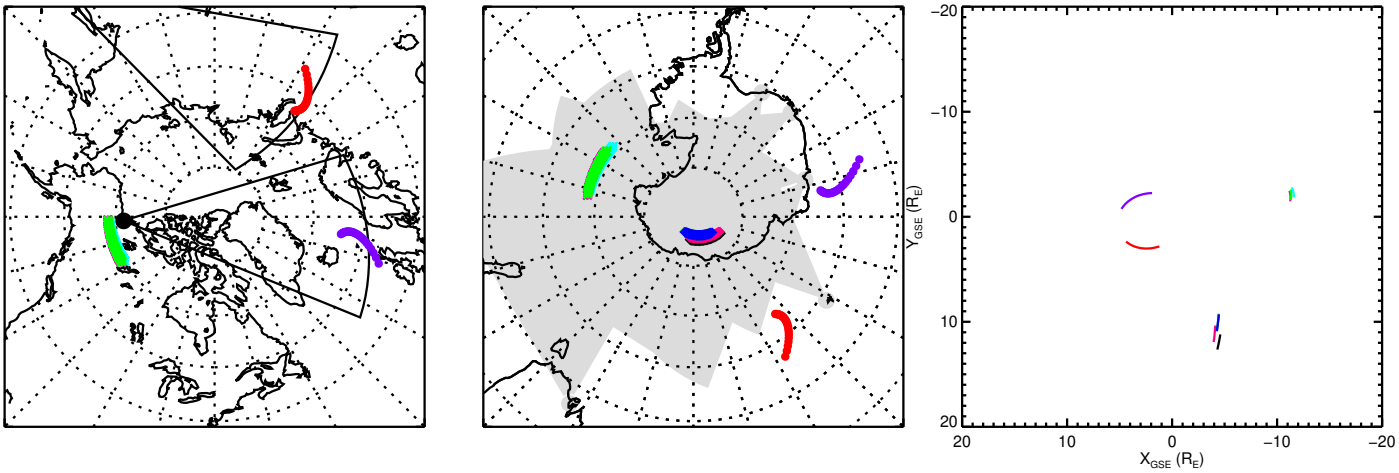


sye unw zho

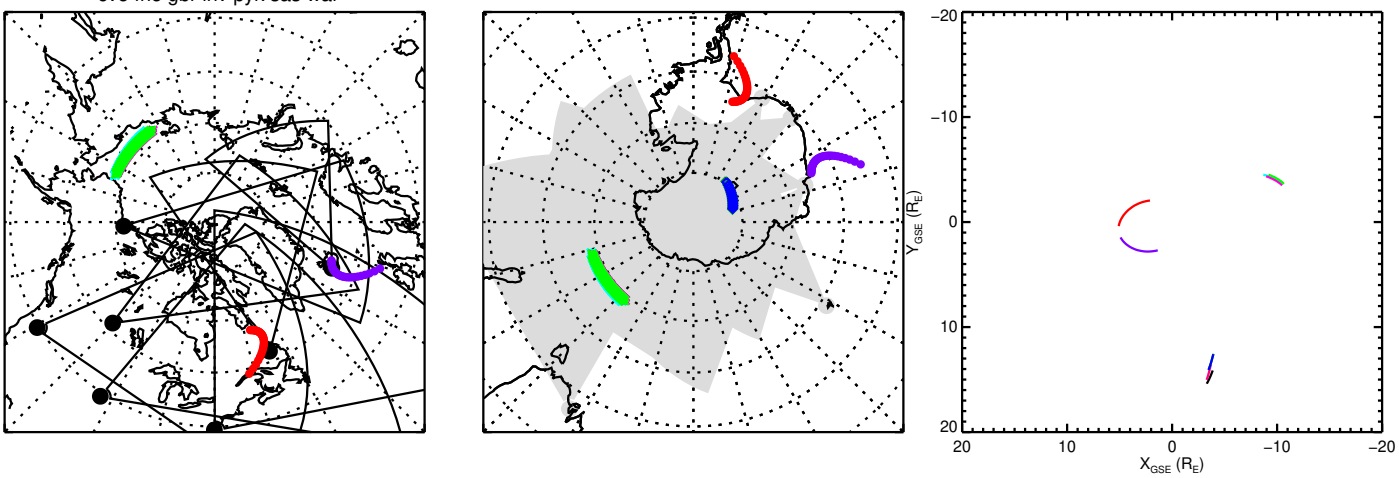




(c) 0905UT to 1110UT
hkw inv

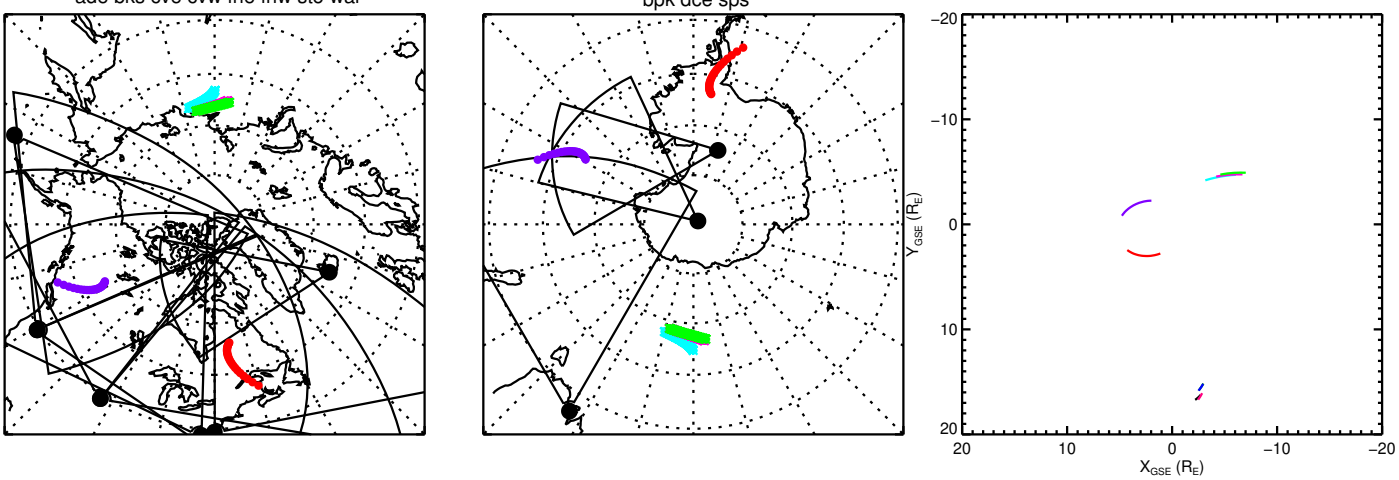


(d) 1320UT to 1600UT
cve fhe gbr inv pyk sas wal



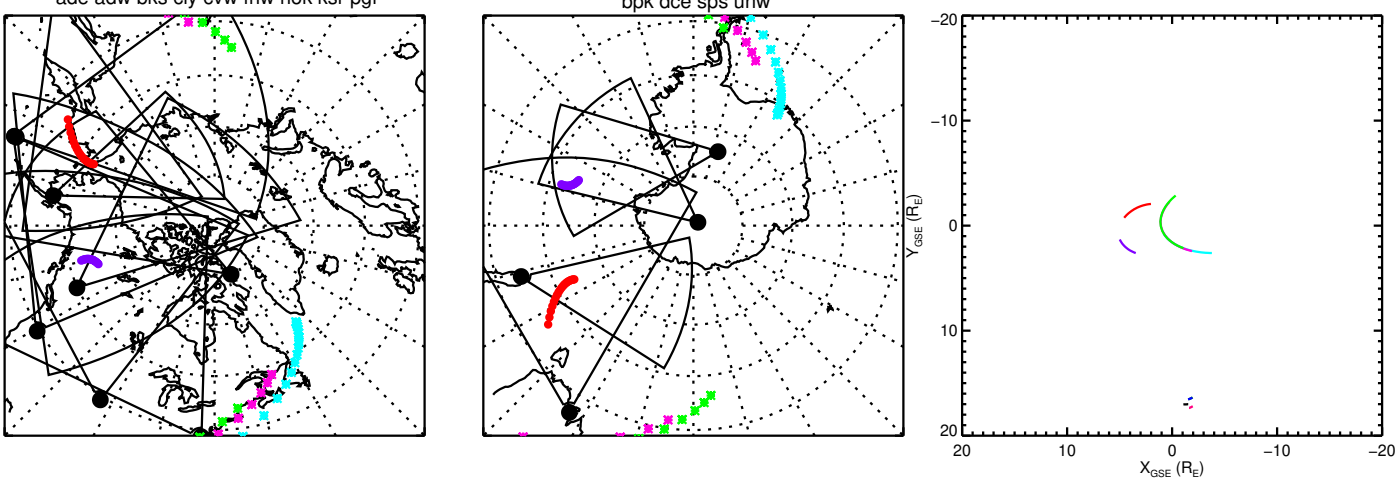
(e) 1810UT to 2010UT
ade bks cve cvw fhe fhw sto wal

bpk dce sps



(f) 2215UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr

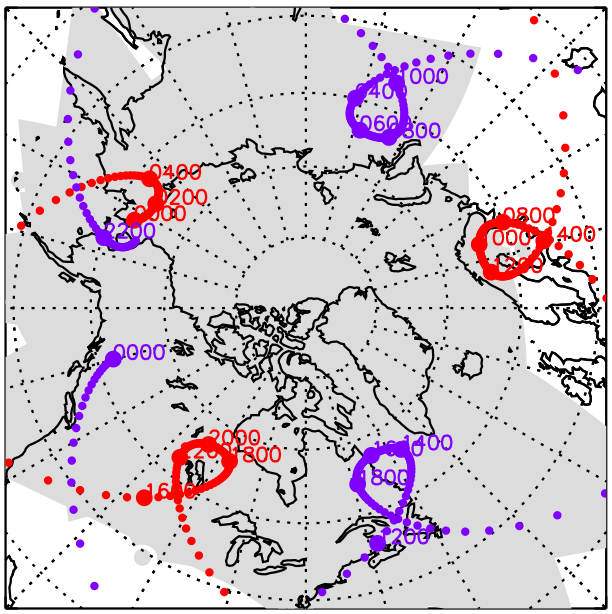
bpk dce sps unw

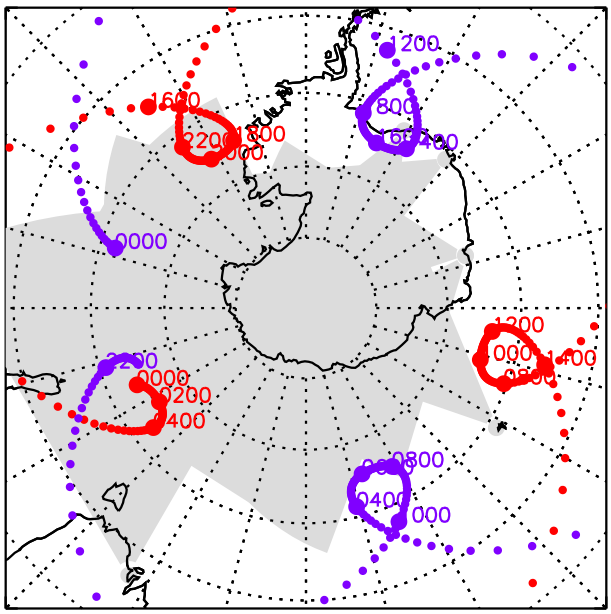


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

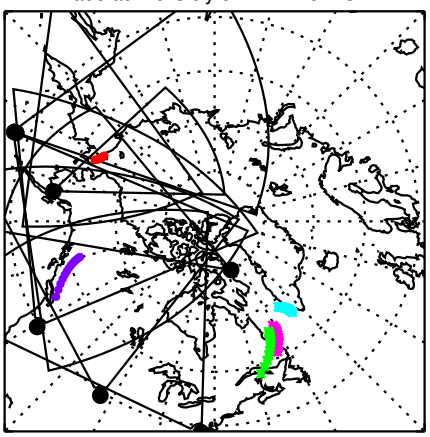
28–Nov–2015

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

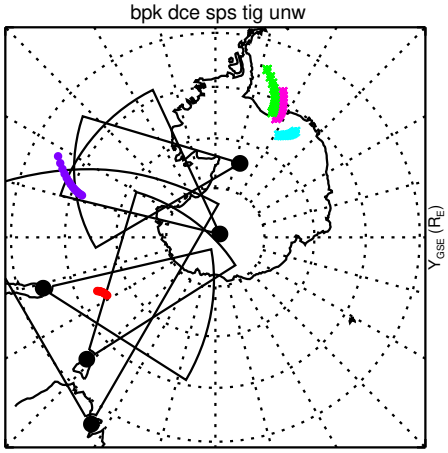


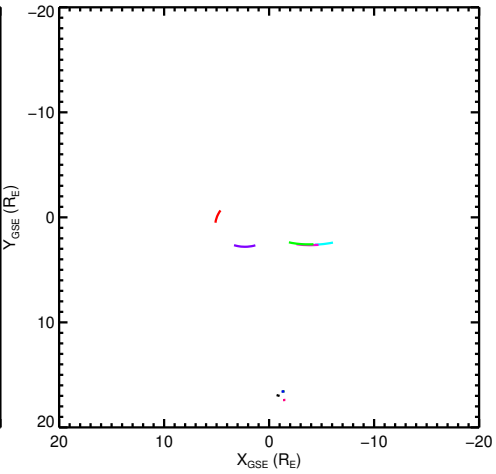


(a) 0000UT to 0105UT
ade adw bks cly cvw fhw hok ksr

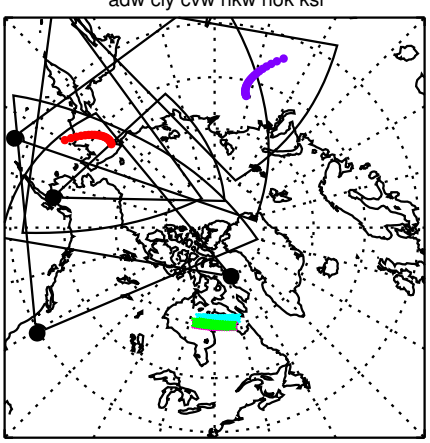


bpk dce sps tig unw

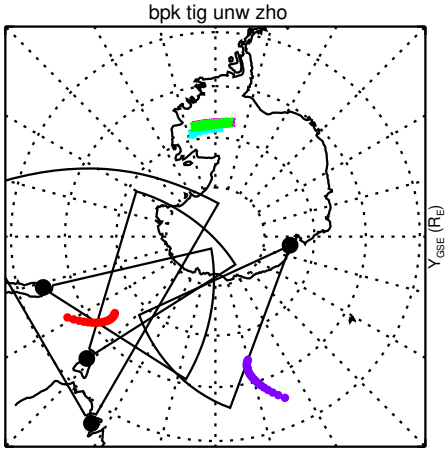


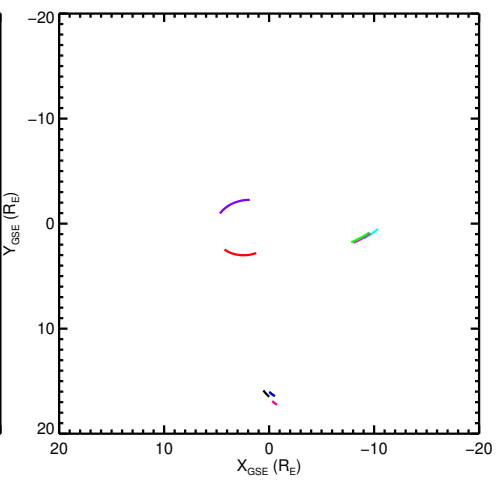


(b) 0310UT to 0505UT
adw cly cvw hkw hok ksr



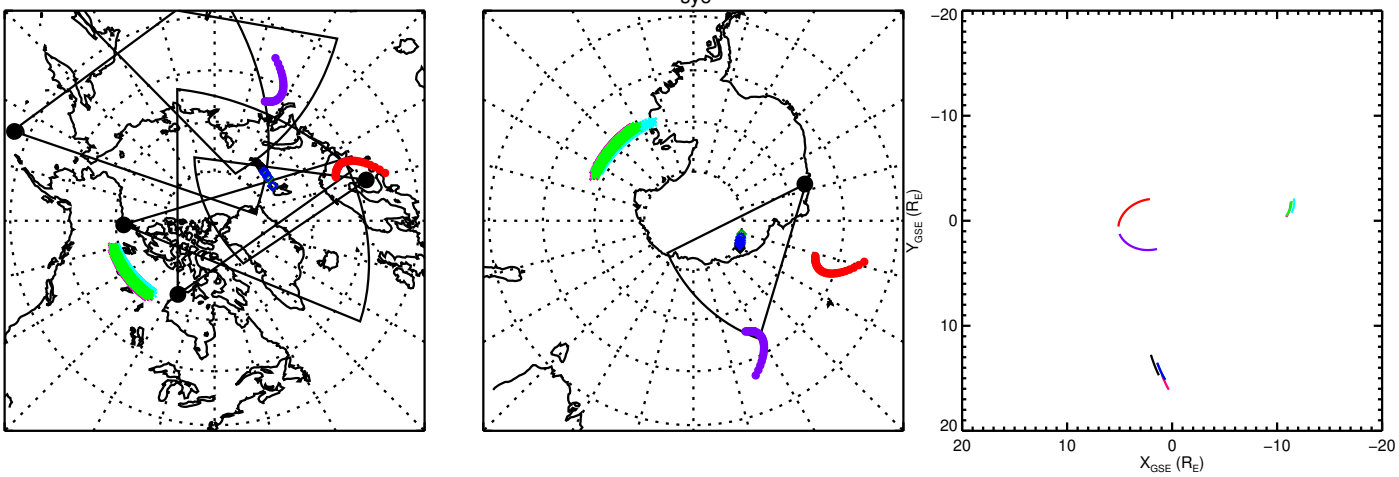
bpk tig unw zho



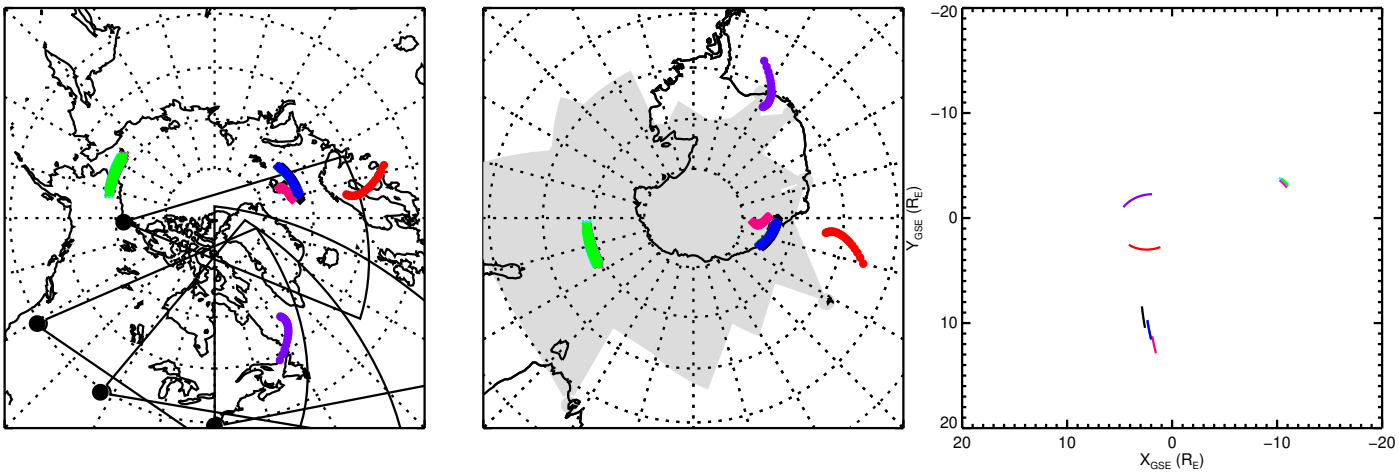


(c) 0715UT to 1005UT
adw han hkw inv rkn

sye

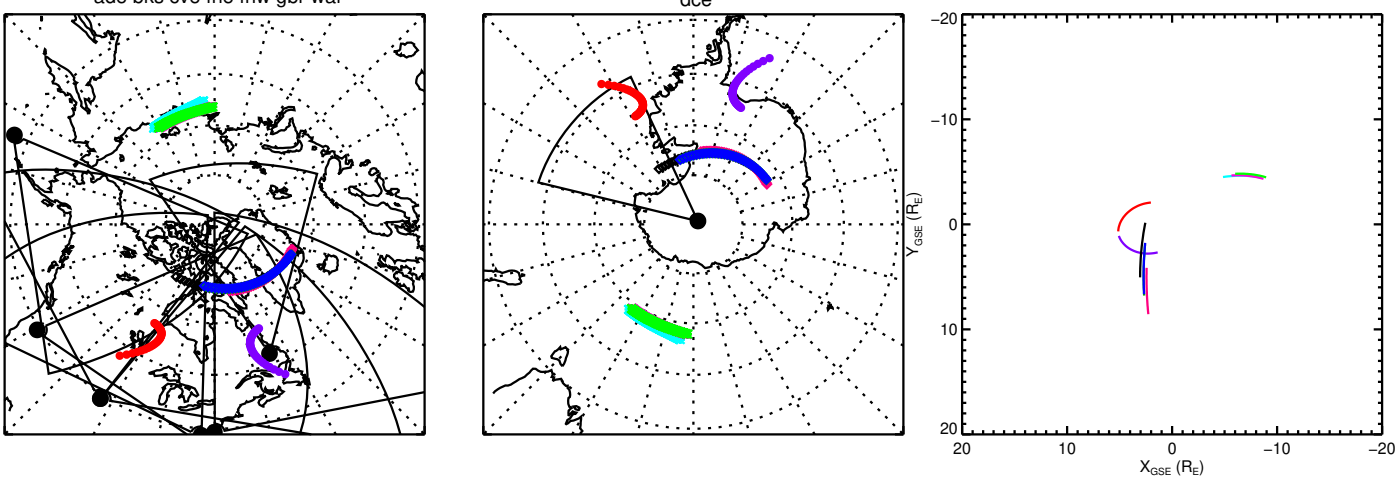


(d) 1215UT to 1405UT
cve fhe inv wal



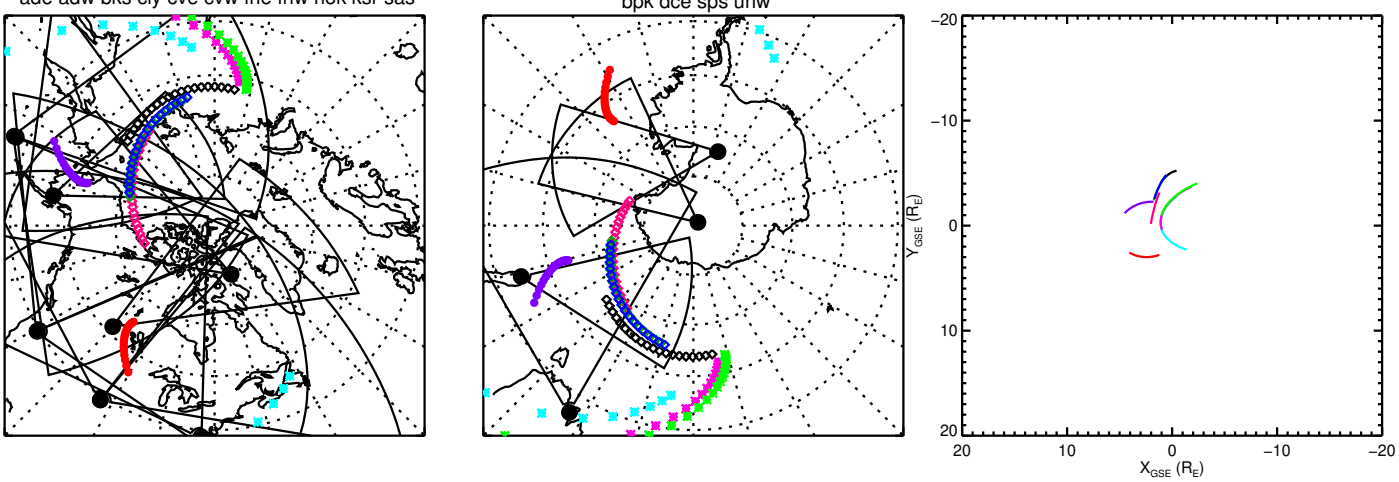
(e) 1610UT to 1910UT
ade bks cve fhe fhw gbr wal

dce



(f) 2115UT to 2300UT
ade adw bks cly cve cvw fhe fhw hok ksr sas

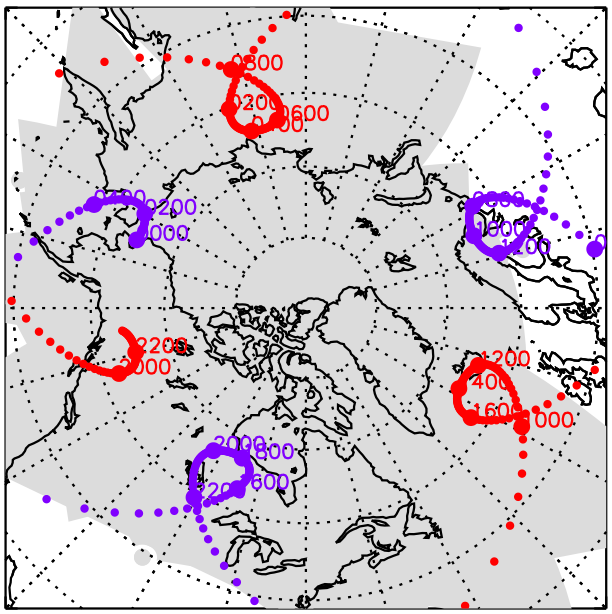
bpk dce sps unw

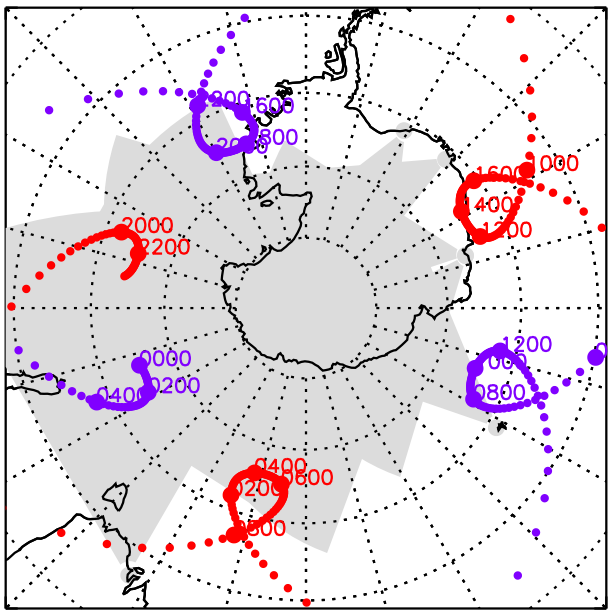


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

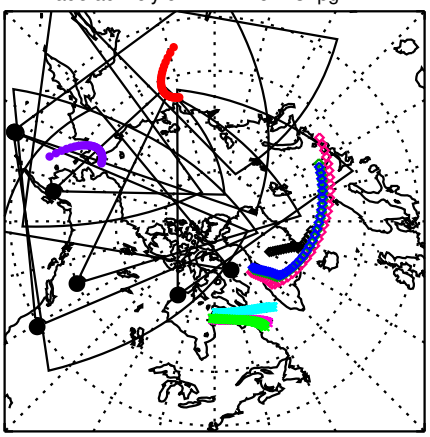
29–Nov–2015

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

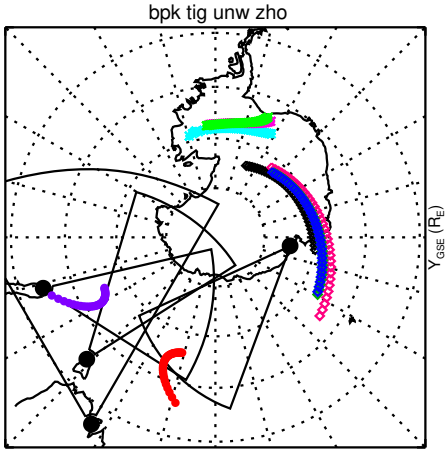


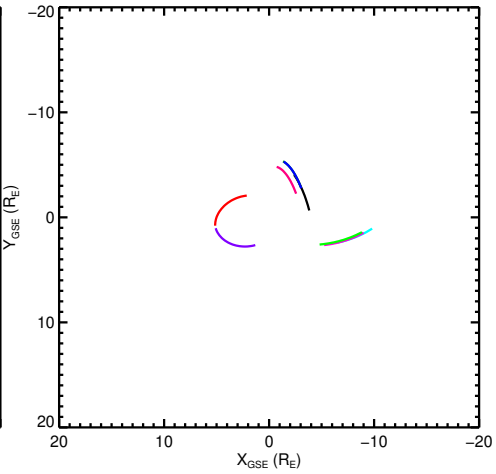


(a) 0110UT to 0415UT
ade adw cly cvw hkw hok ksr pgr rkn

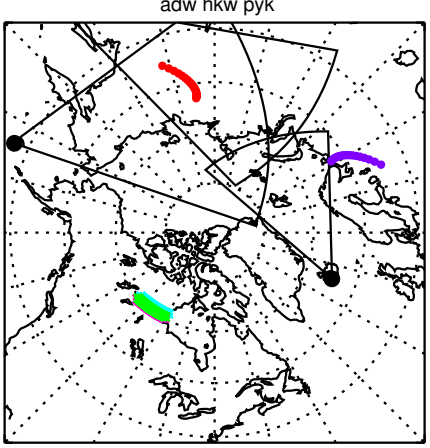


bpk tig unw zho

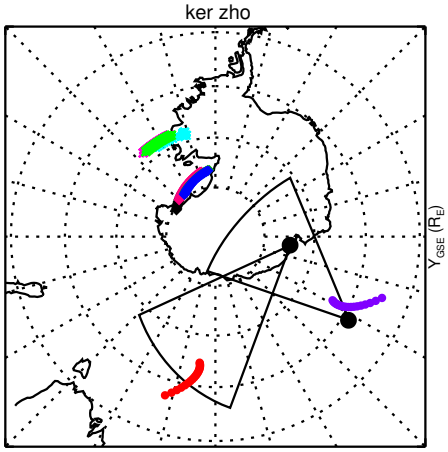


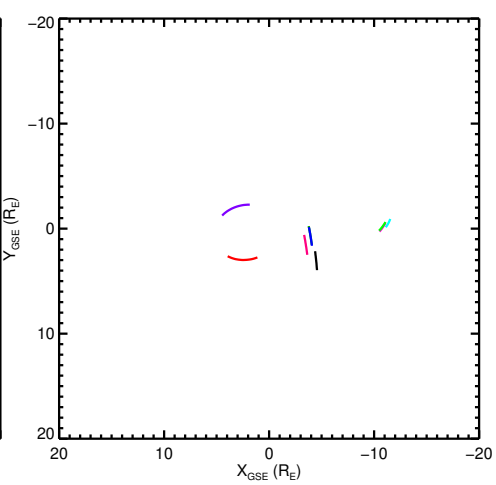


(b) 0620UT to 0800UT
adw hkw pyk

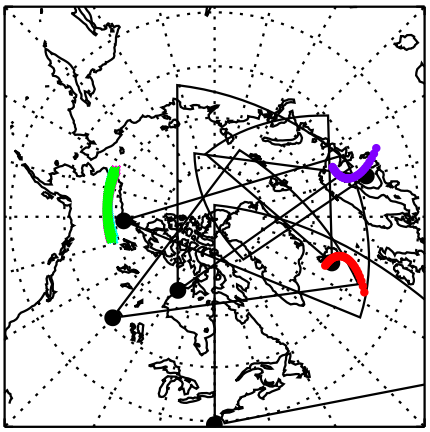


ker zho





(c) 1005UT to 1315UT
han inv pyk rkn sas wal



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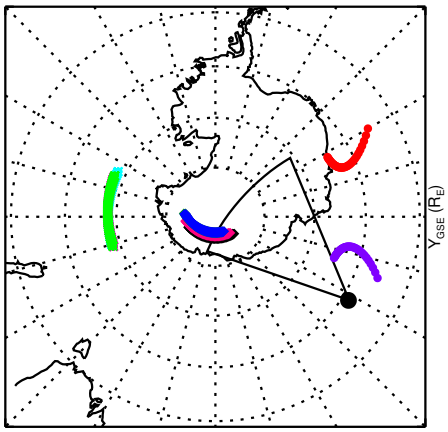
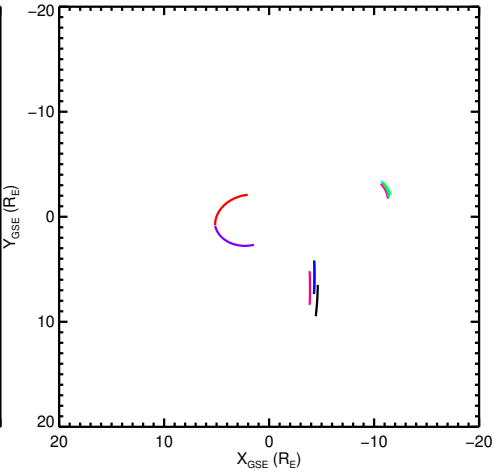
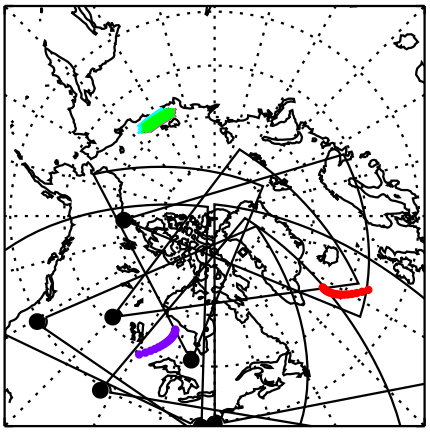
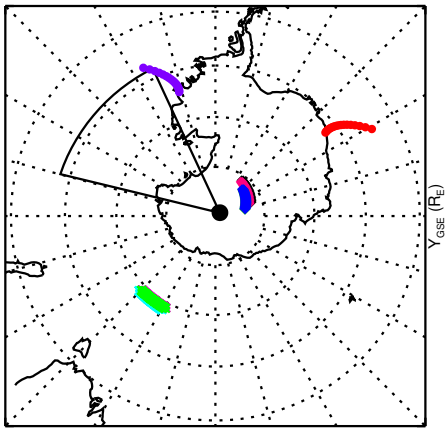


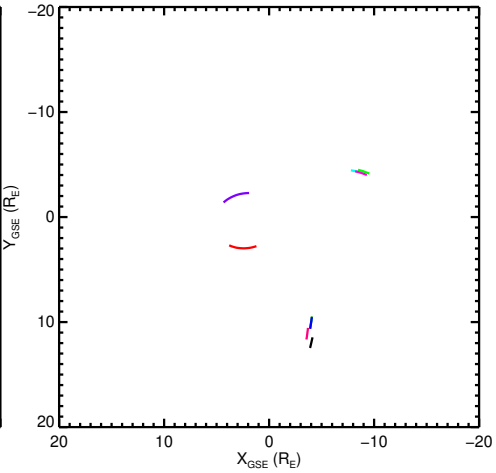


(d) 1525UT to 1655UT
bks cve fhe inv kap sas wal

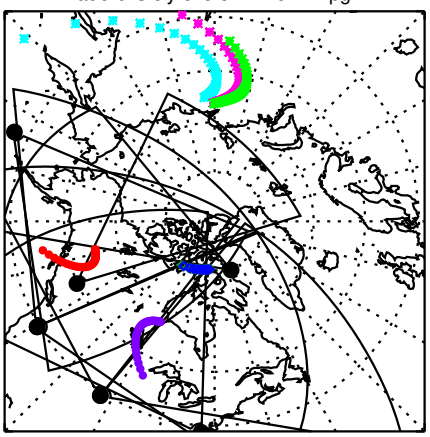


dce

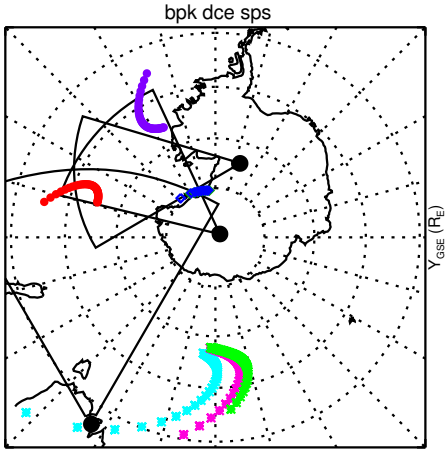


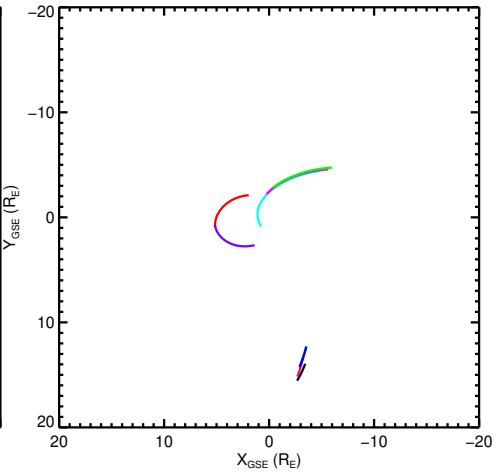


(e) 1900UT to 2220UT
ade bks cly cve cvw fhe fhw pgr



bpk dce sps

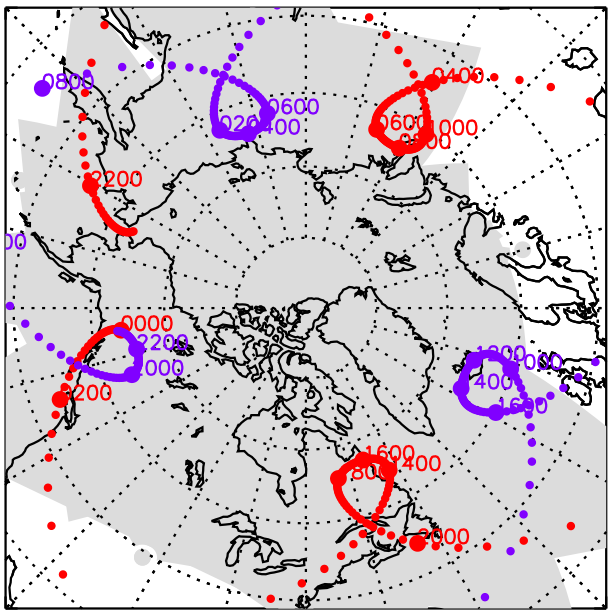


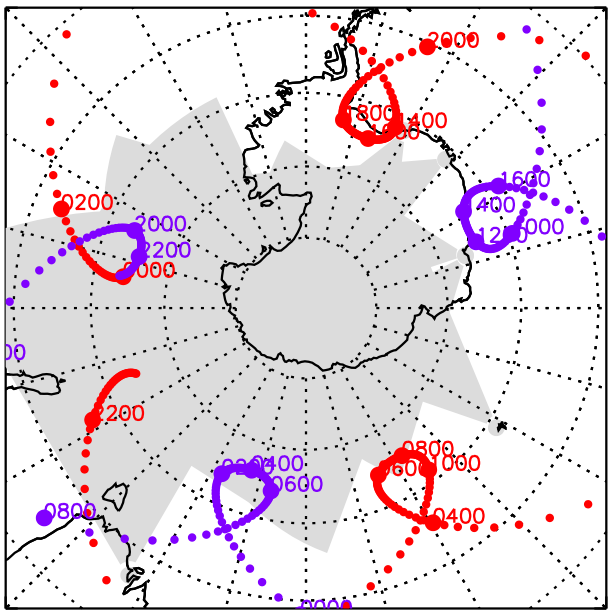


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

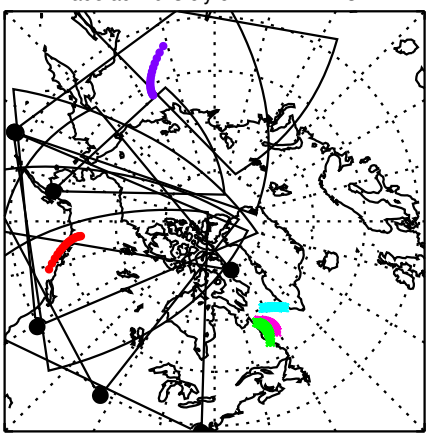
30–Nov–2015

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

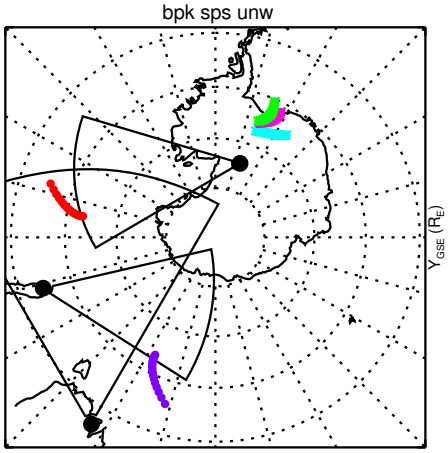


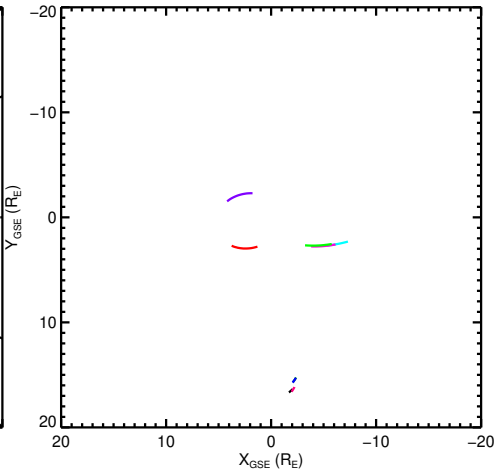


(a) 0025UT to 0150UT
ade adw bks cly cvw fhw hkw ksr

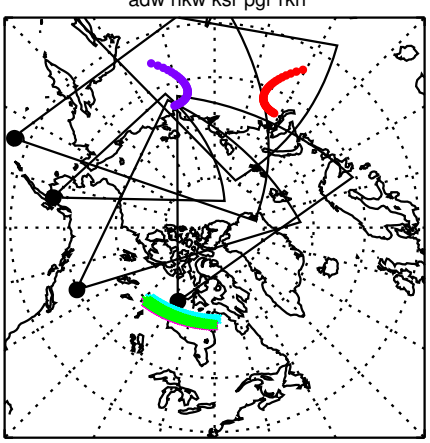


bpk sps unw

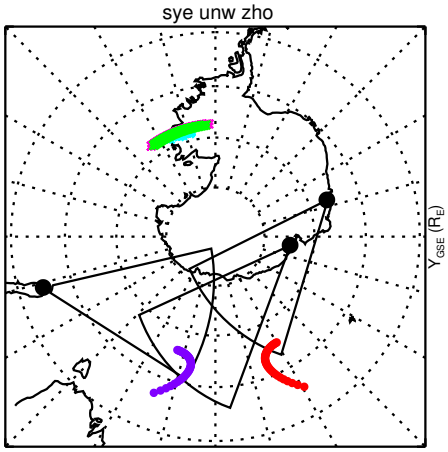


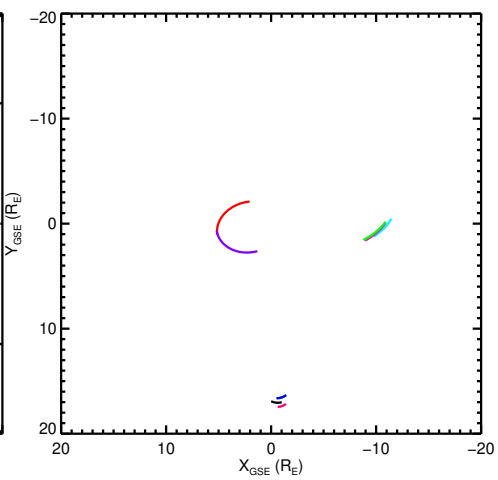


(b) 0400UT to 0725UT
adw hkw ksr pgr rkn

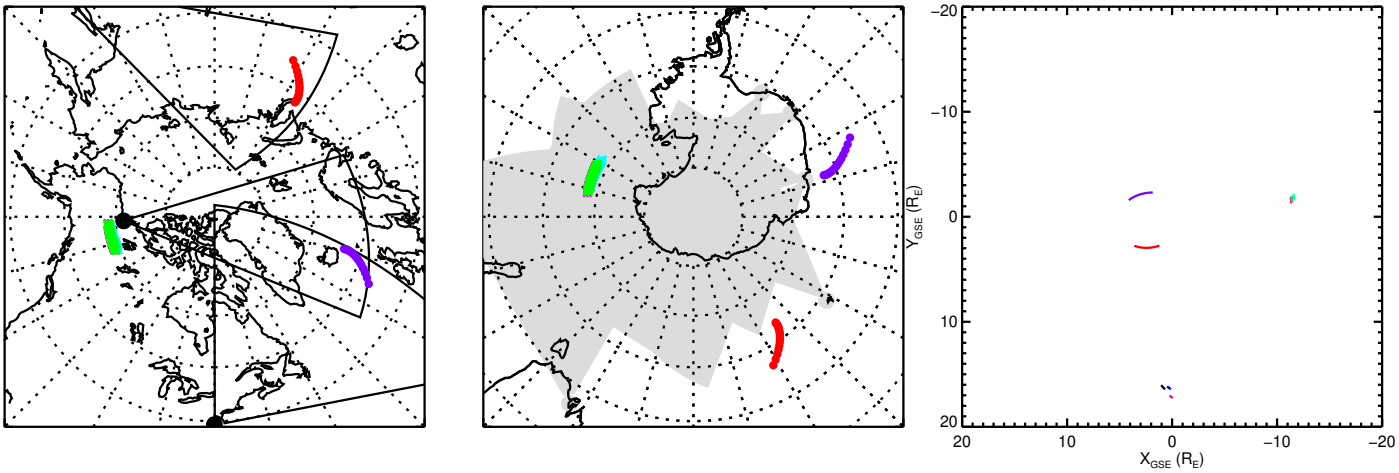


sye unw zho

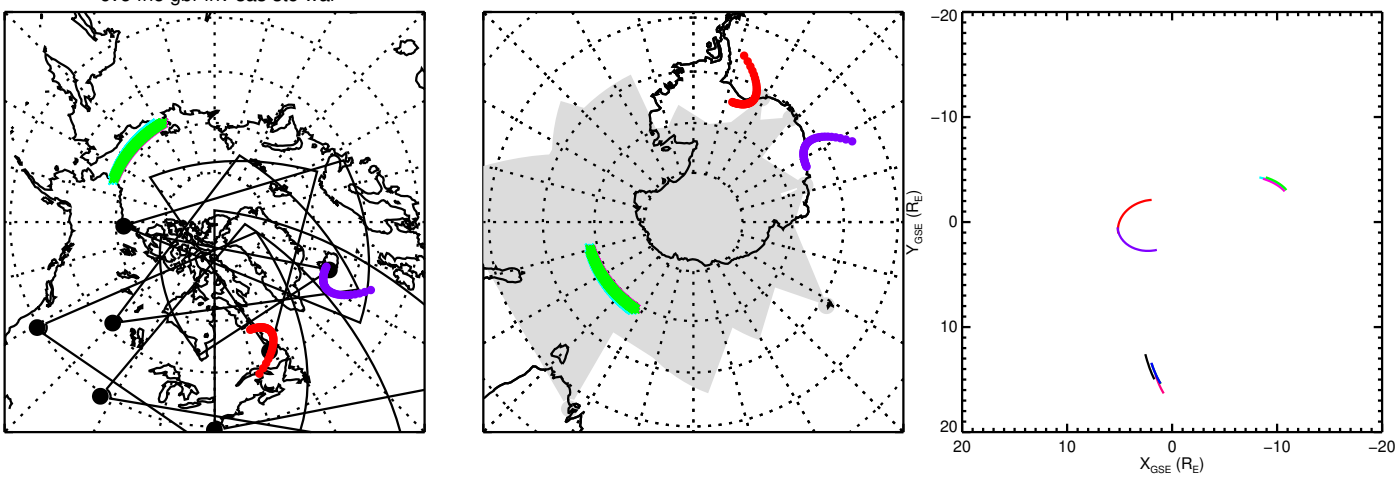




(c) 0930UT to 1050UT
hkw inv wal

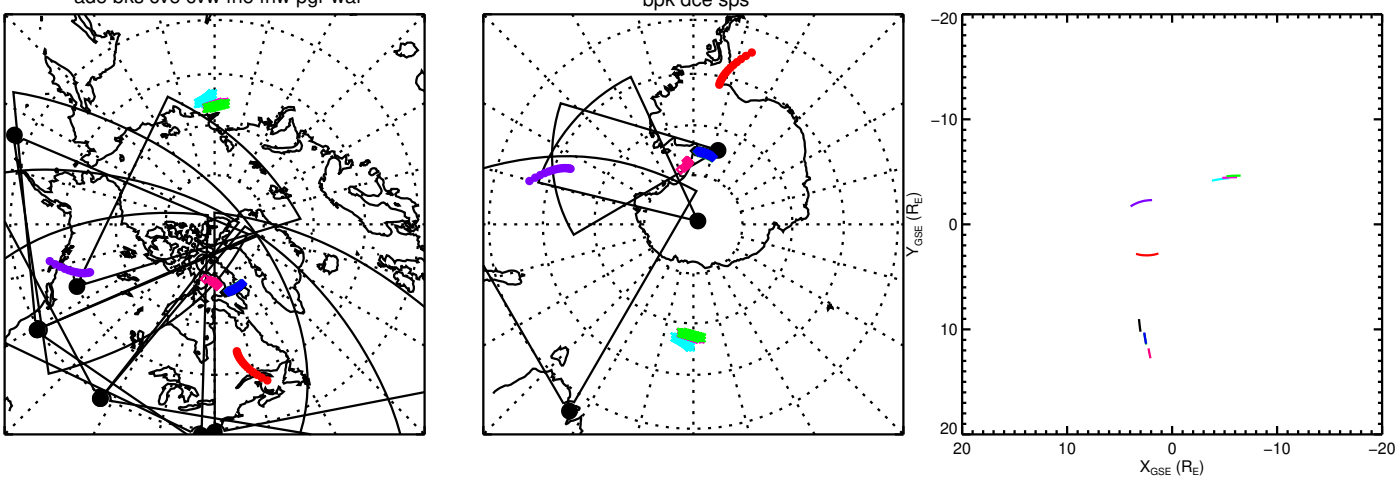


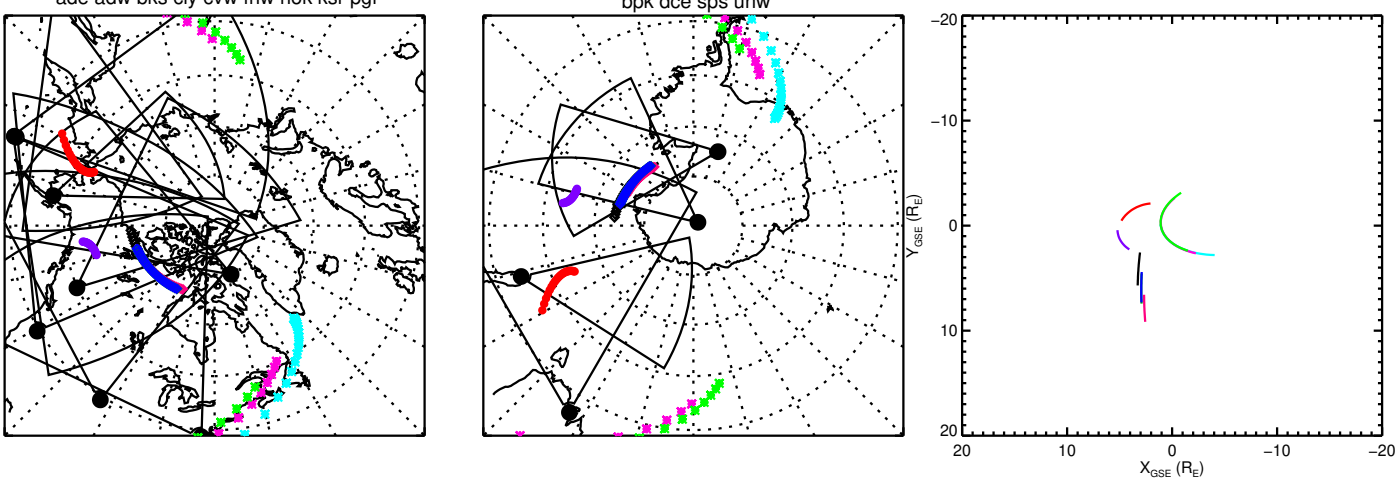
(d) 1255UT to 1625UT
cve fhe gbr inv sas sto wal



(e) 1835UT to 1945UT
ade bks cve cvw fhe fhw pgr wal

bpk dce sps



(f) 2155UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr

bpk dce sps unw