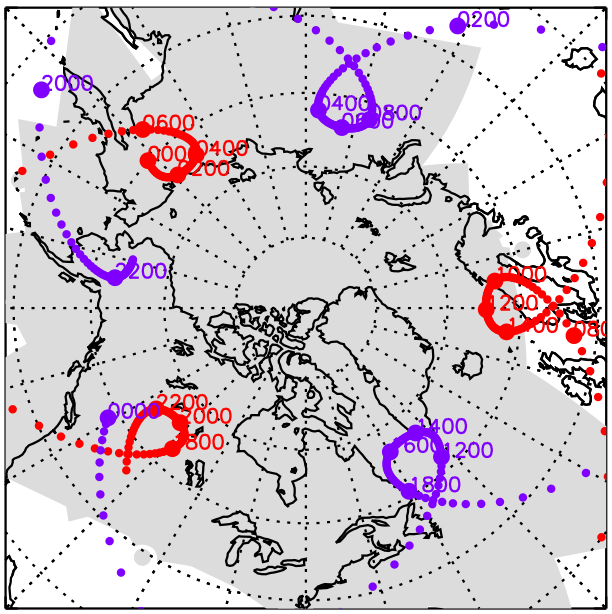
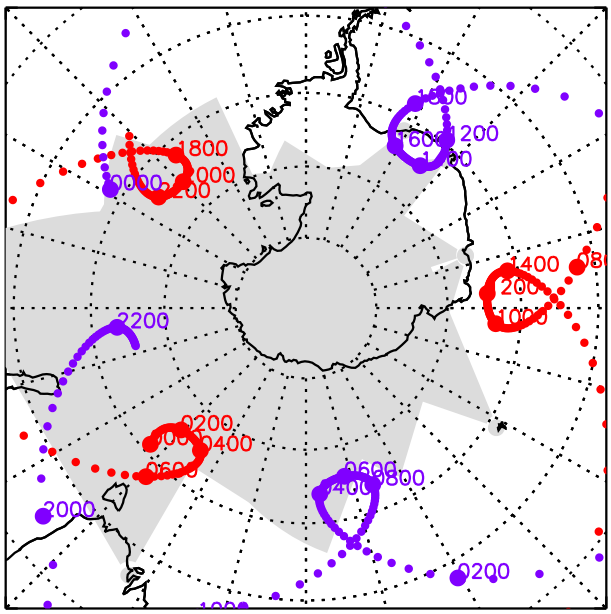
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

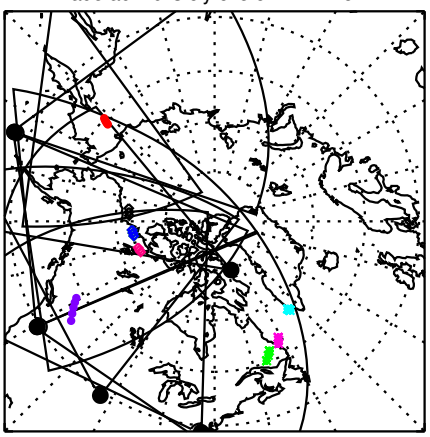
01−Dec−2015

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

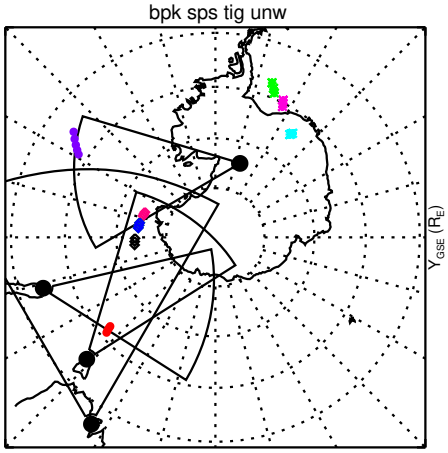


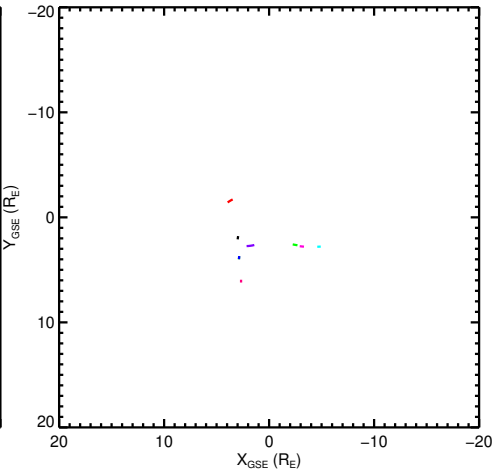


(a) 0000UT to 0020UT
ade adw bks cly cve cvw fhw hok

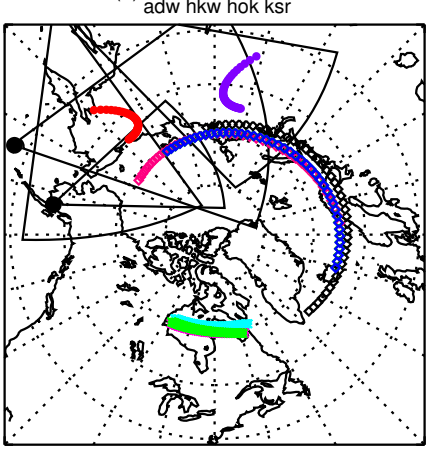


bpk sps tig unw

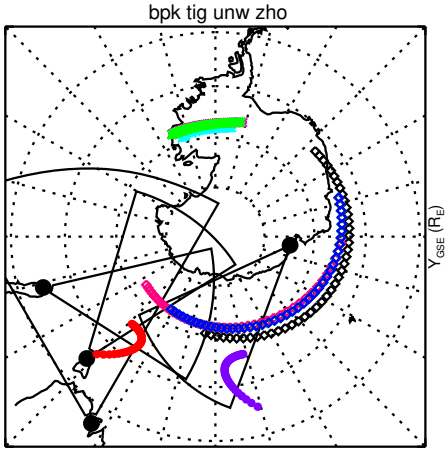


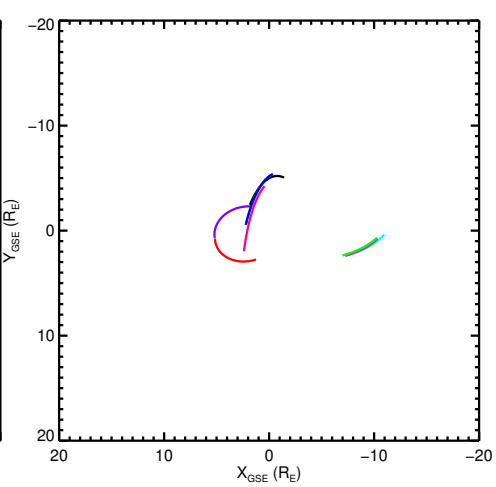


(b) 0225UT to 0605UT
adw hkw hok ksr

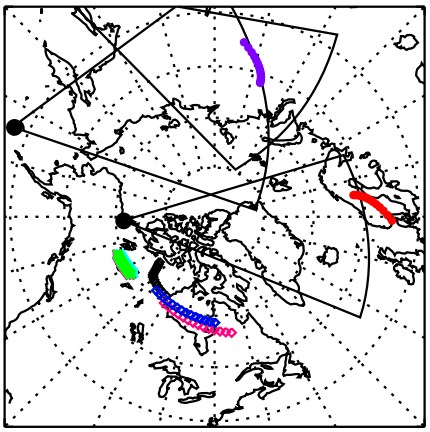


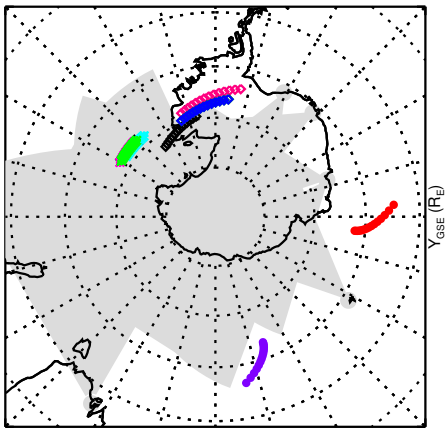
bpk tig unw zho

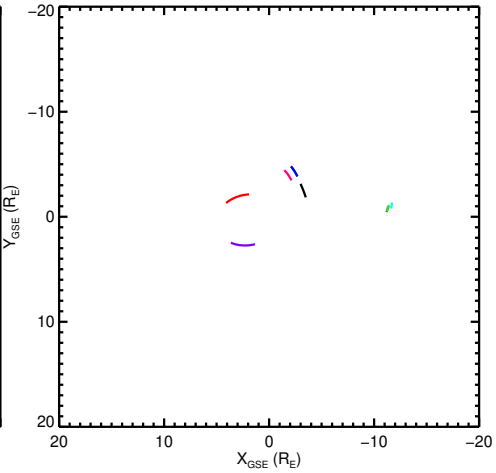




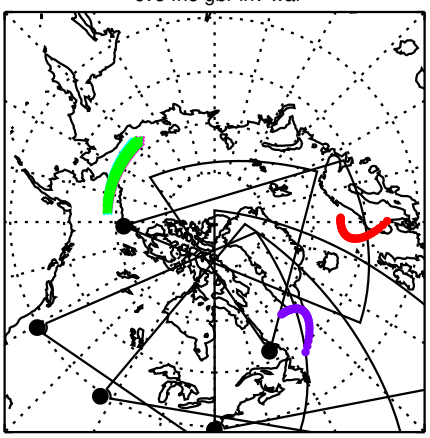
(c) 0810UT to 0925UT
adw hkw inv



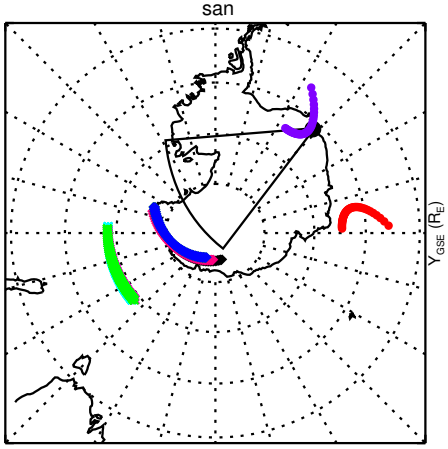


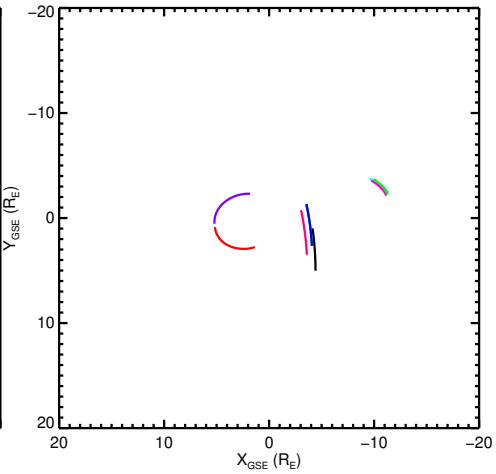


(d) 1130UT to 1500UT
cve fhe gbr inv wal

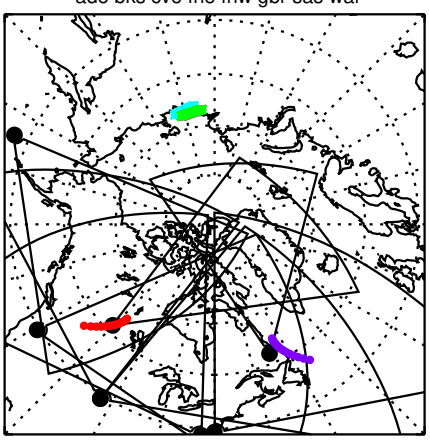


san

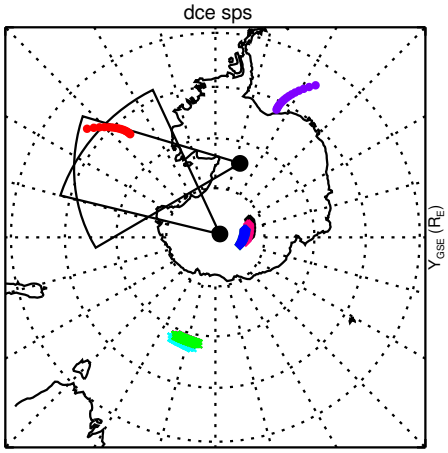


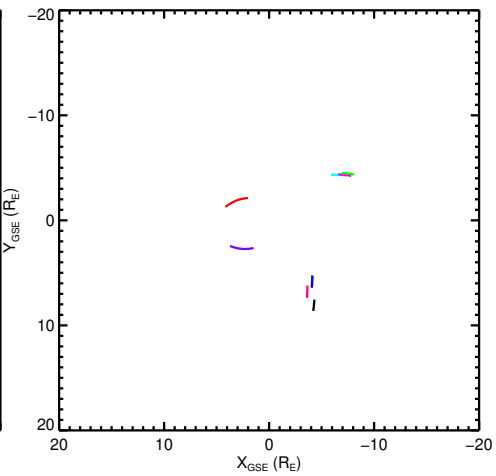


(e) 1710UT to 1825UT
ade bks cve fhe fhw gbr sas wal

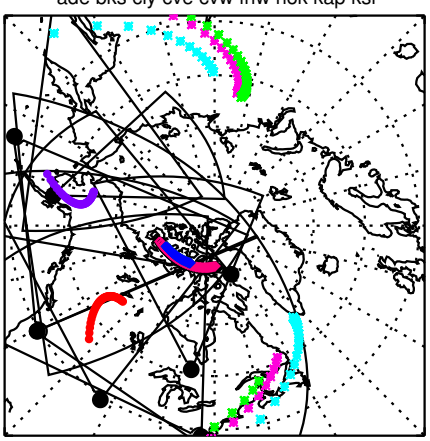


dce sps

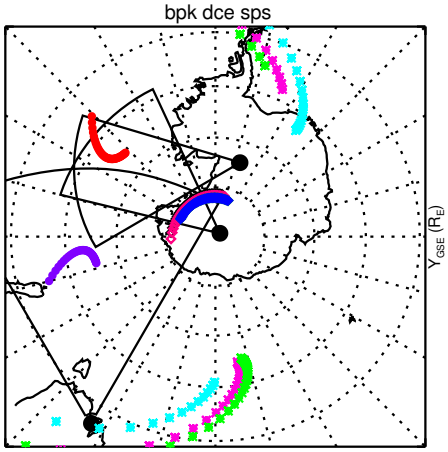


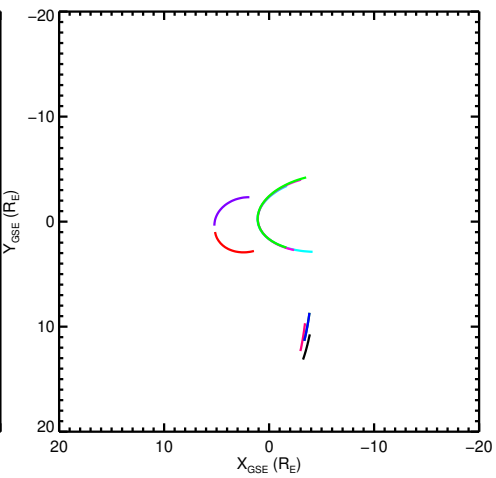


(f) 2035UT to 2355UT
ade bks cly cve cvw fhw hok kap ksr



bpk dce sps

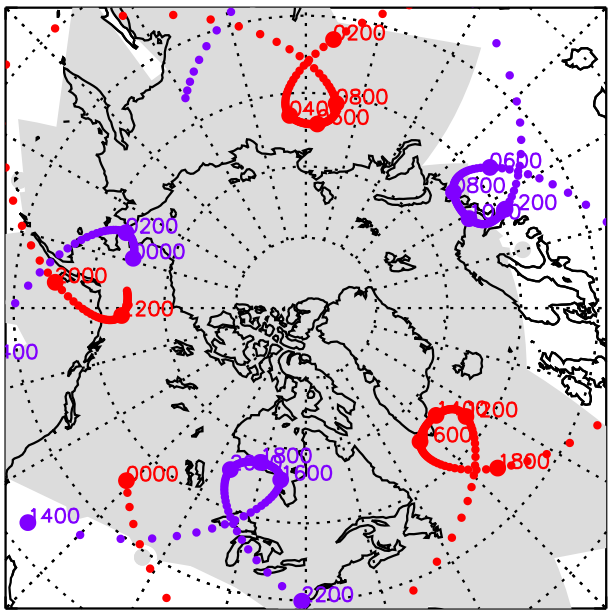


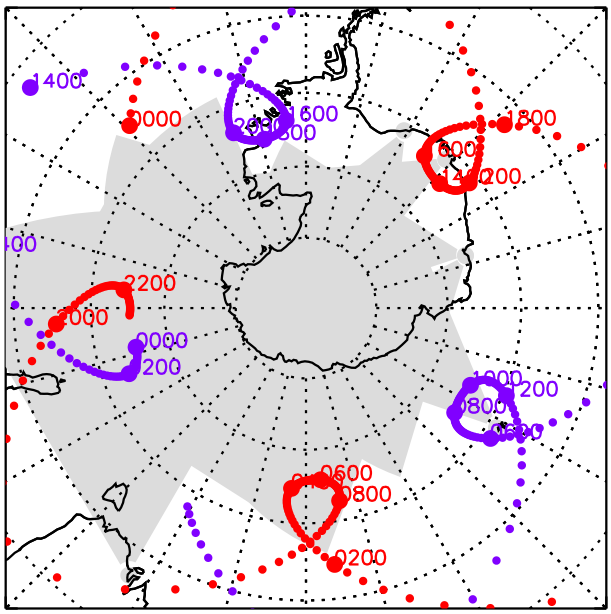


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

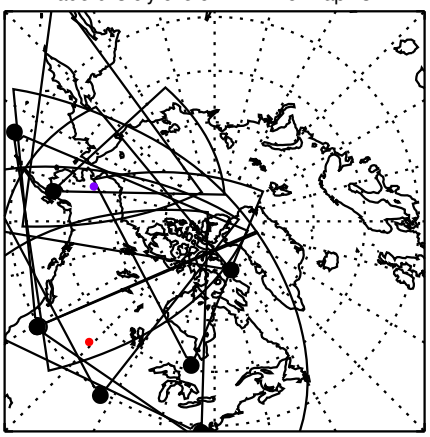
02–Dec–2015

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

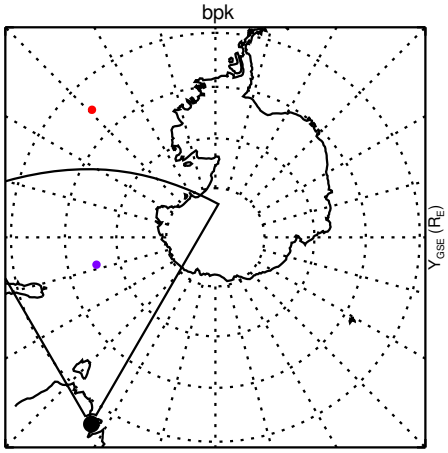


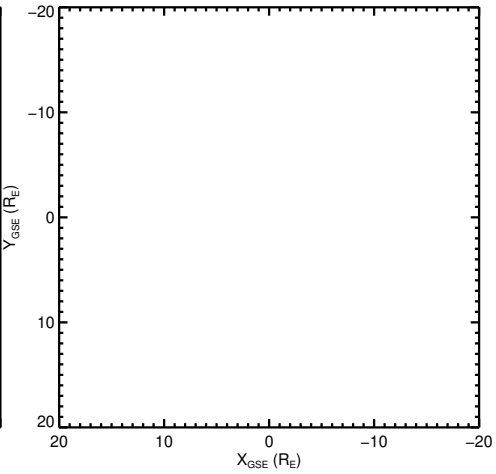


(a) 0000UT to 0000UT
ade bks cly cve cvw fhw hok kap ksr

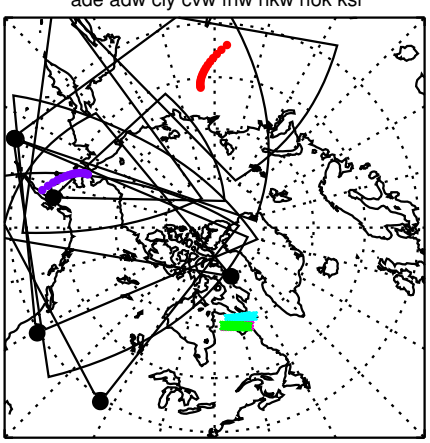


bpk

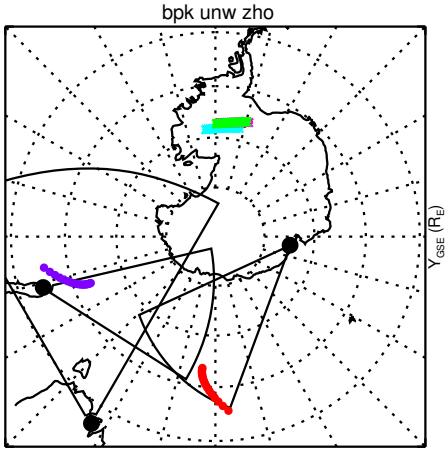


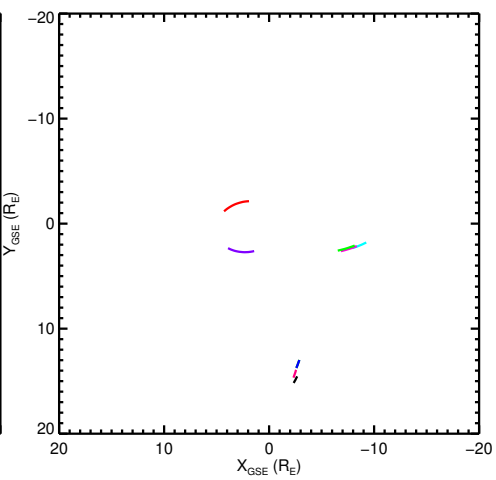


(b) 0205UT to 0330UT
ade adw cly cvw fhw hkw hok ksr

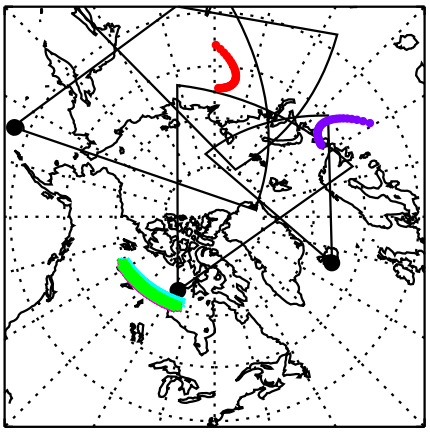


bpk unw zho

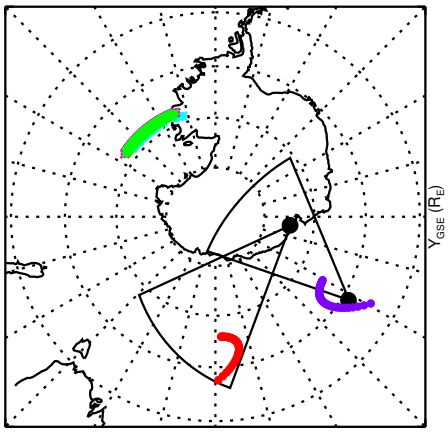


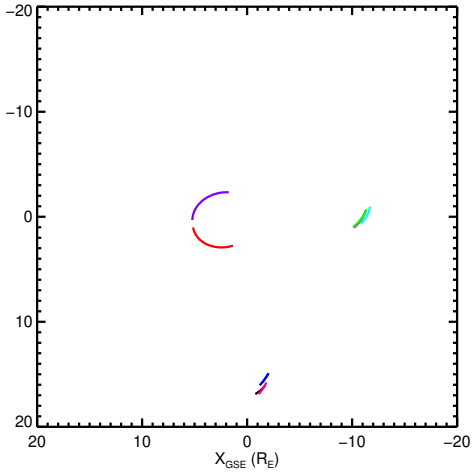


(c) 0535UT to 0855UT
adw hkw pyk rkn

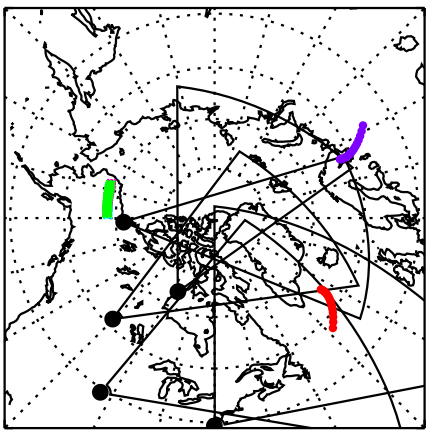


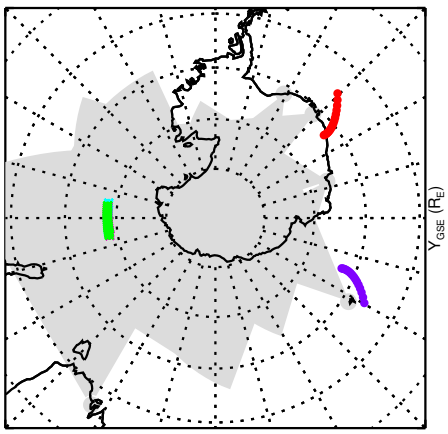
ker zho

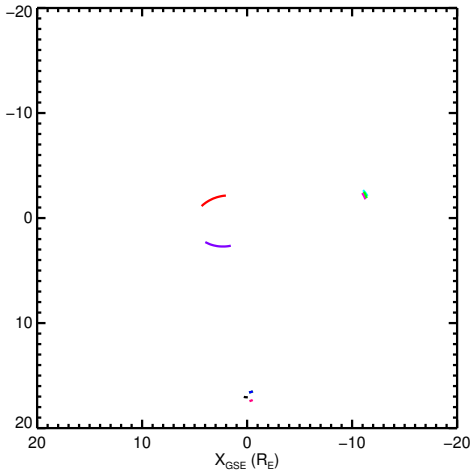




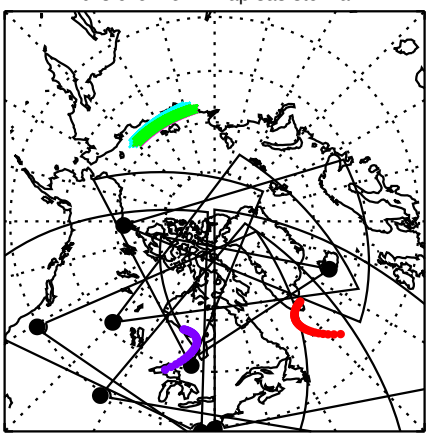
(d) 1105UT to 1230UT
fhe inv rkn sas wal







(e) 1440UT to 1755UT
bks cve fhe inv kap sas sto wal



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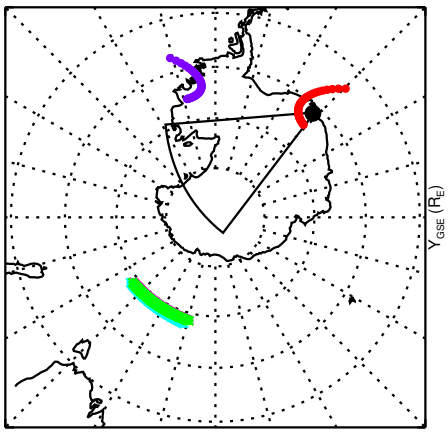
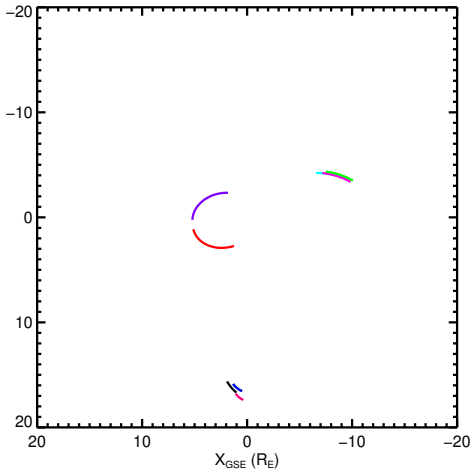
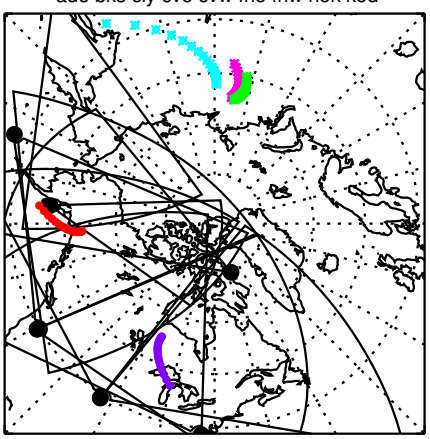
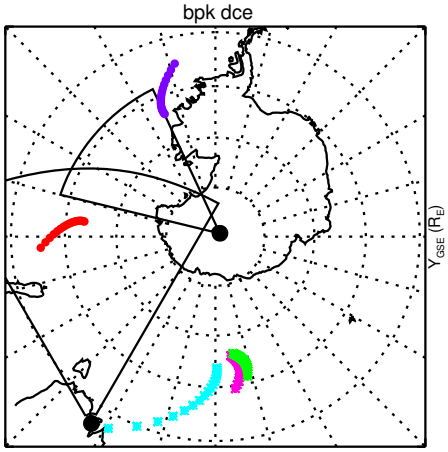


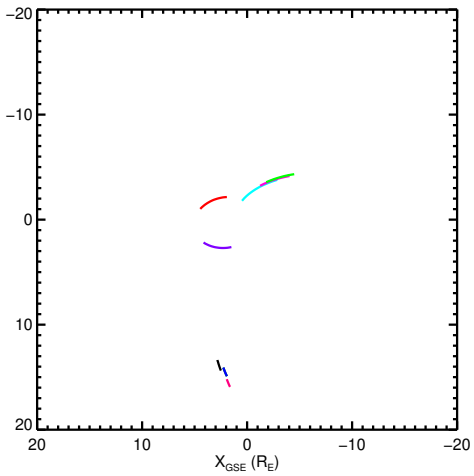


(f) 2000UT to 2135UT
ade bks cly cve cvw fhe fhw hok kod

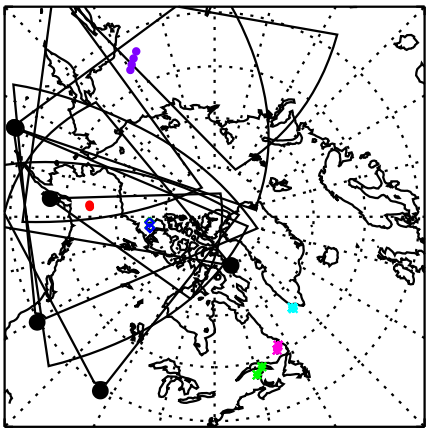


bpk dce

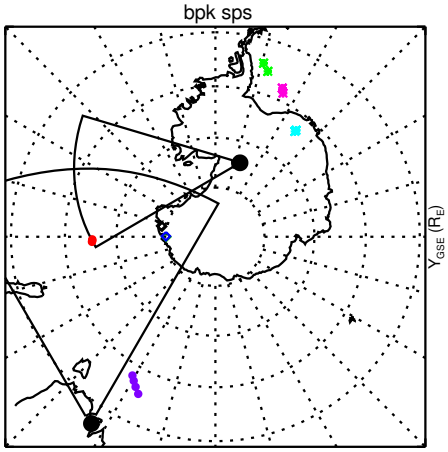


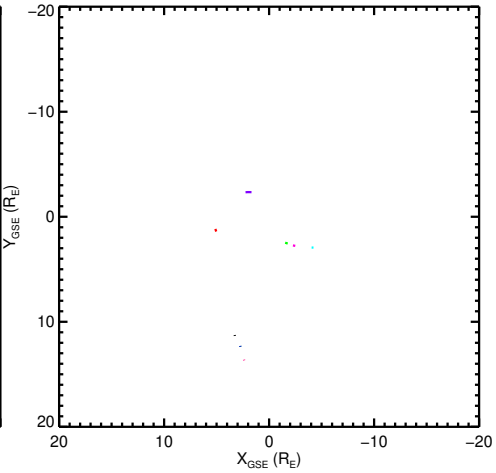


(g) 2340UT to 2355UT
ade adw cly cvw fhw hkw hok kod



bpk sps

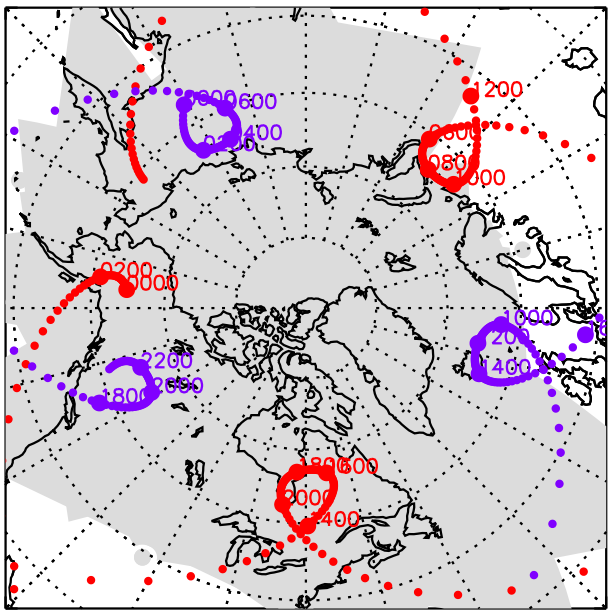


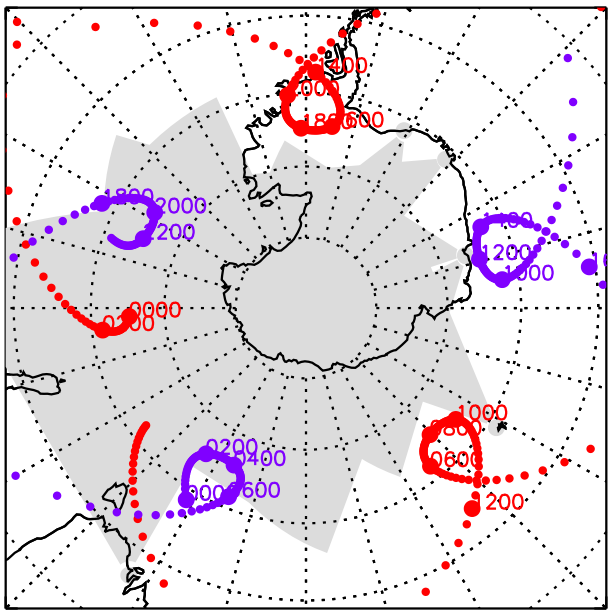


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

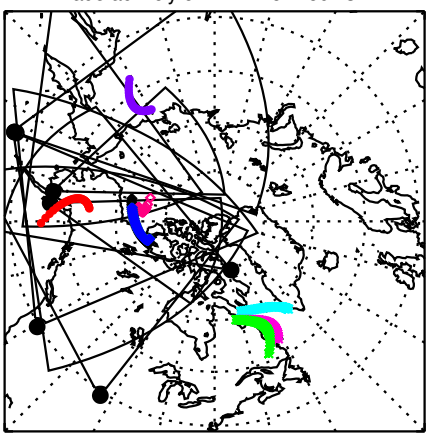
03–Dec–2015

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

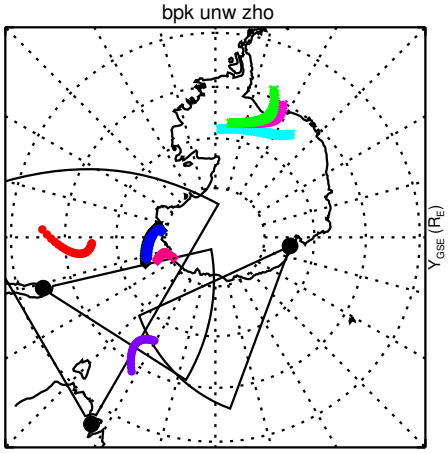


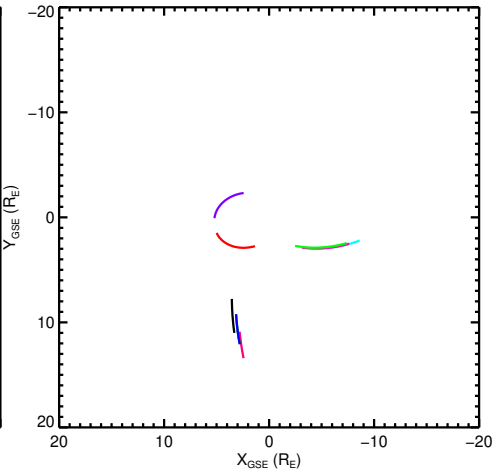


(a) 0000UT to 0250UT
ade adw cly cvw fhw hok kod ksr

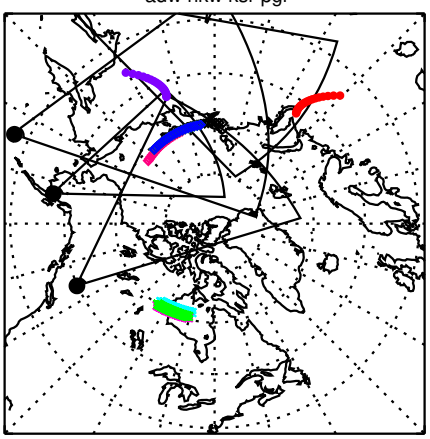


bpk unw zho

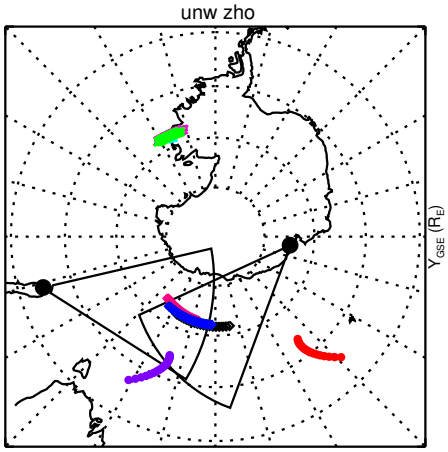


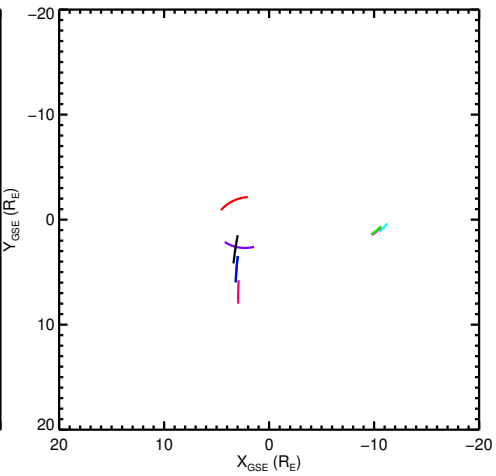


(b) 0500UT to 0640UT
adw hkw ksr pgr

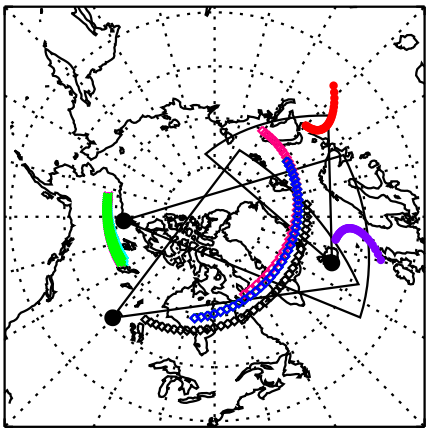


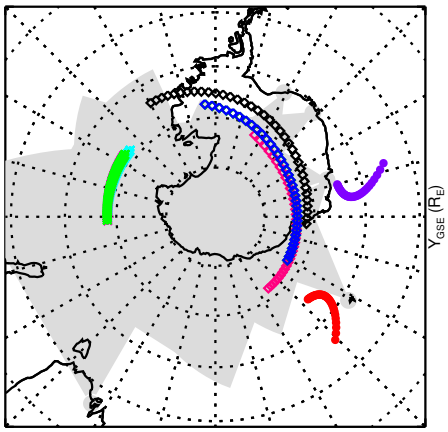
unw zho

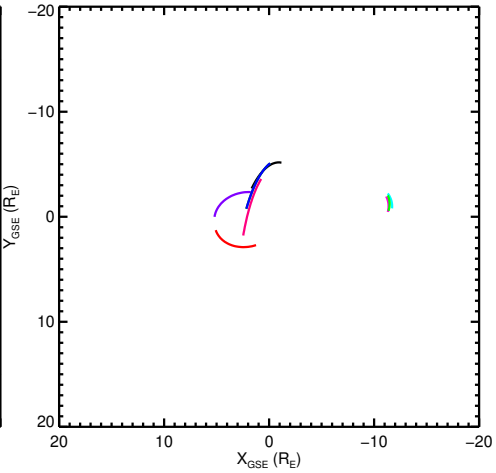




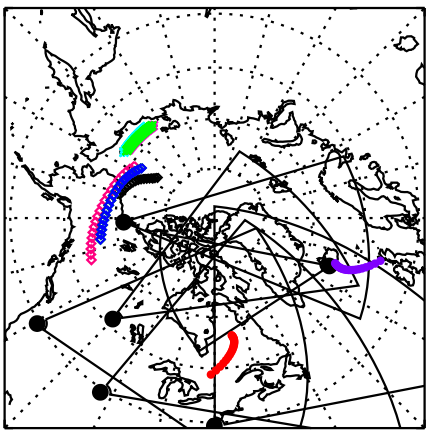
(c) 0845UT to 1150UT
inv pyk sas

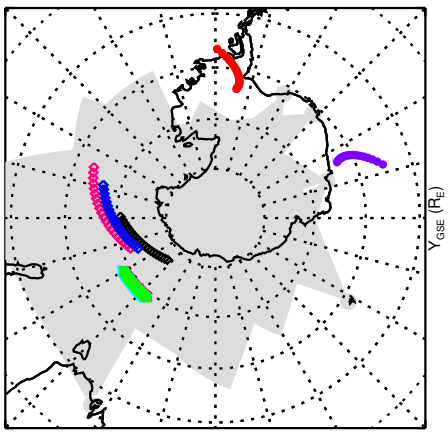


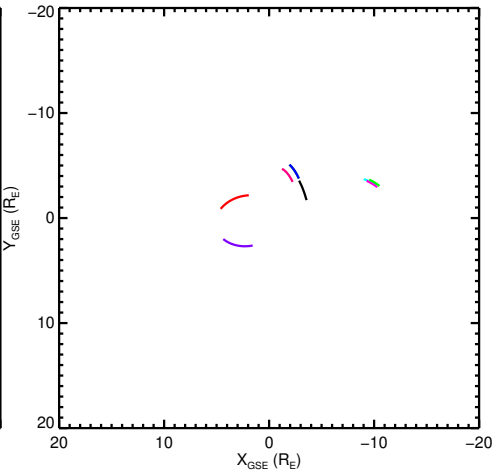




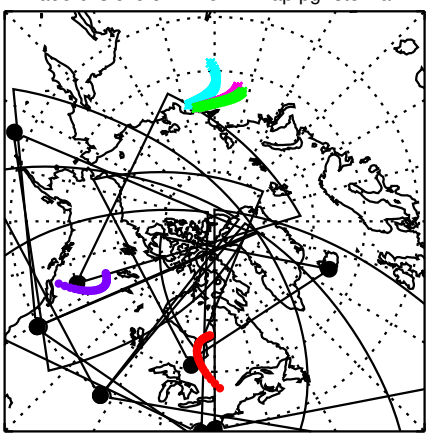
(d) 1355UT to 1540UT
cve fhe inv sas sto wal



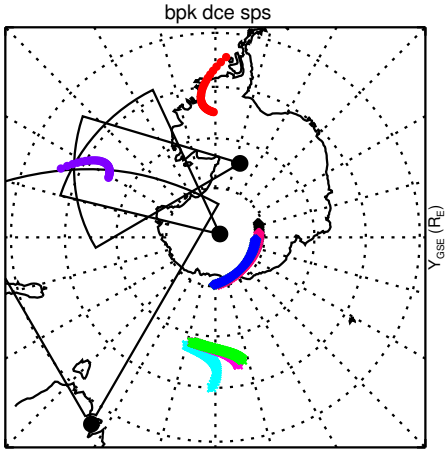


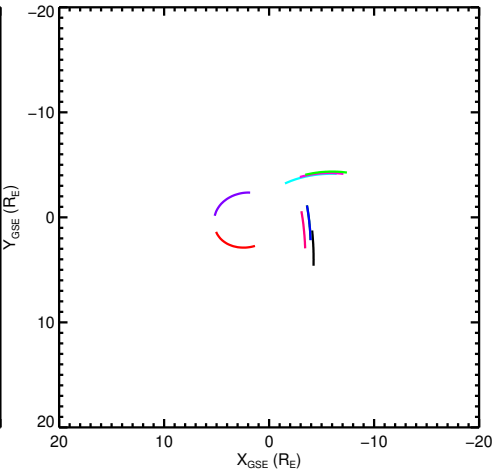


(e) 1750UT to 2045UT
ade bks cve cvw fhe fhw kap pgr sto wal

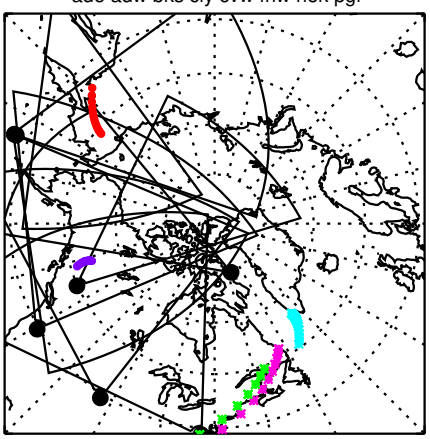


bpk dce sps

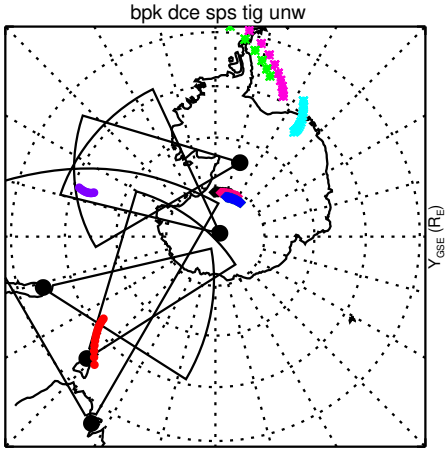


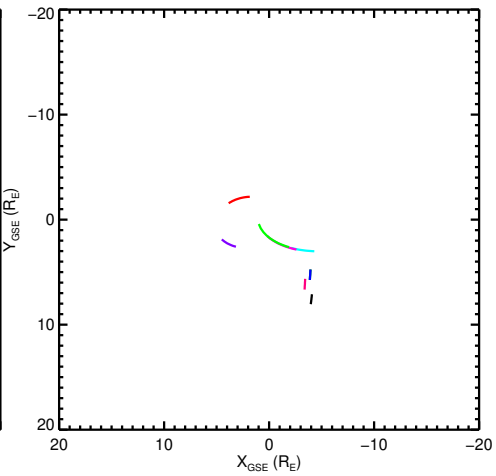


(f) 2250UT to 2355UT
ade adw bks cly cvw fhw hok pgr



bpk dce sps tig unw

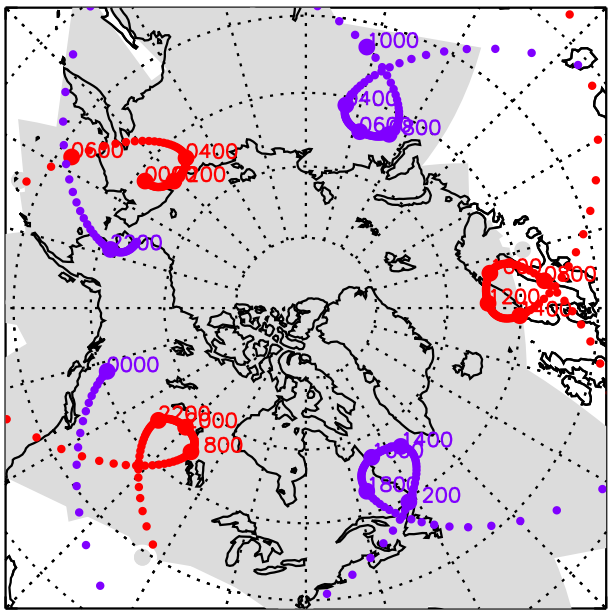


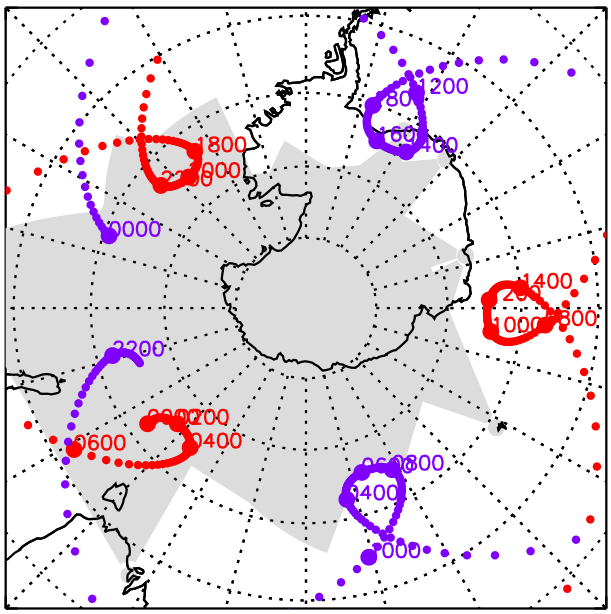


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

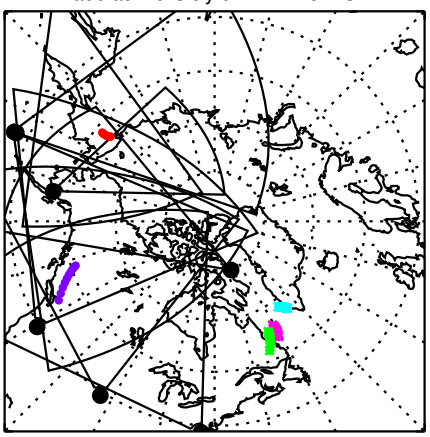
04–Dec–2015

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

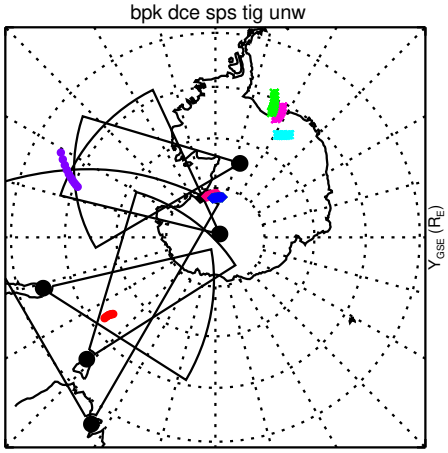


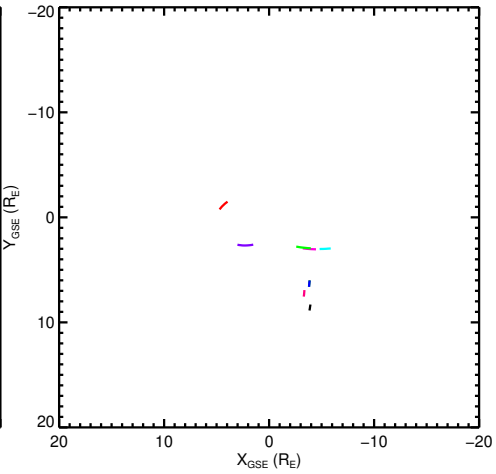


(a) 0000UT to 0045UT
ade adw bks cly cvw fhw hok ksr

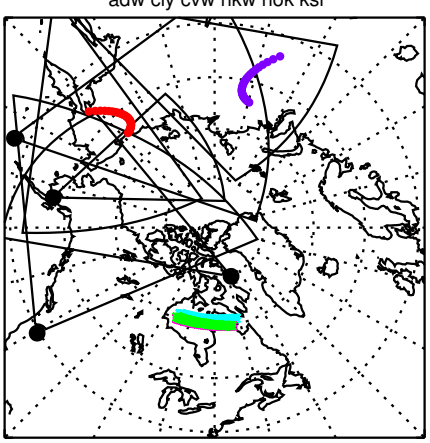


bpk dce sps tig unw

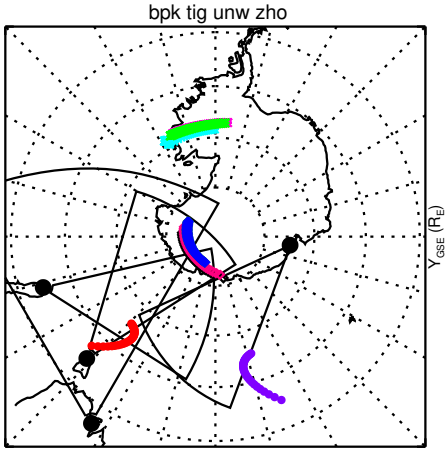


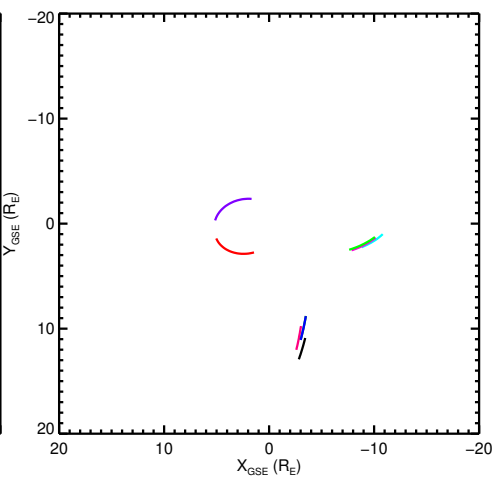


(b) 0250UT to 0540UT
adw cly cvw hkw hok ksr

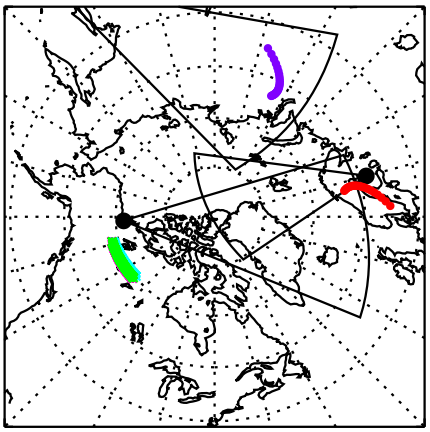


bpk tig unw zho

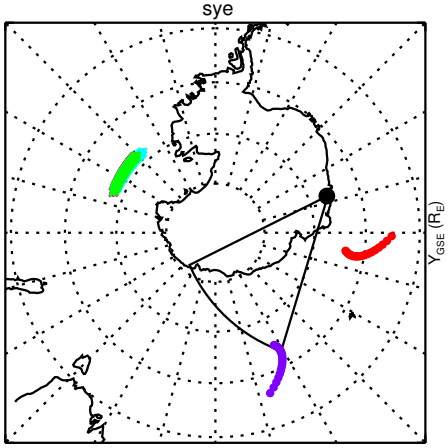


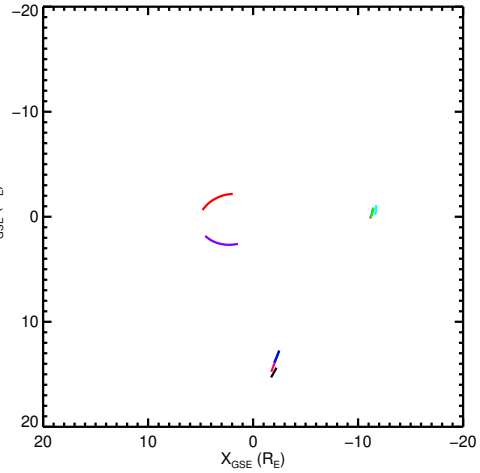


(c) 0750UT to 0950UT
han hkw inv

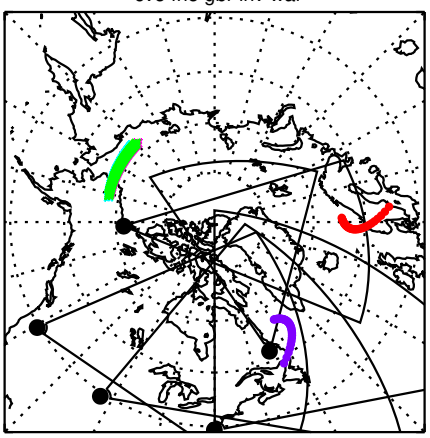


sye

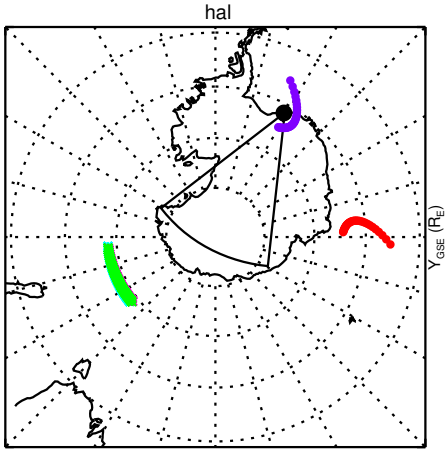


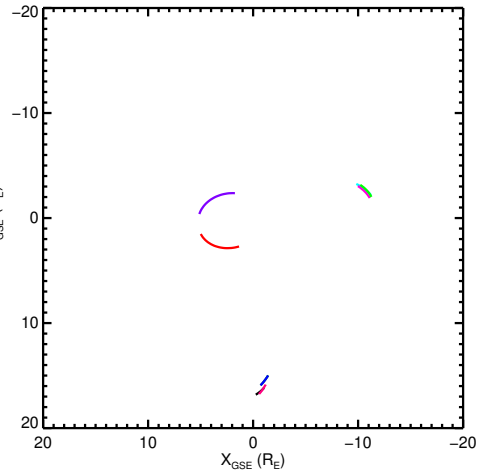


(d) 1155UT to 1440UT
cve fhe gbr inv wal

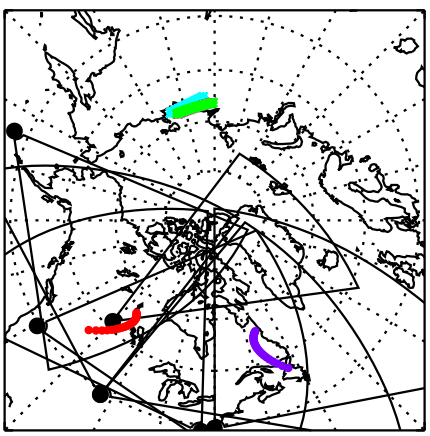


hal

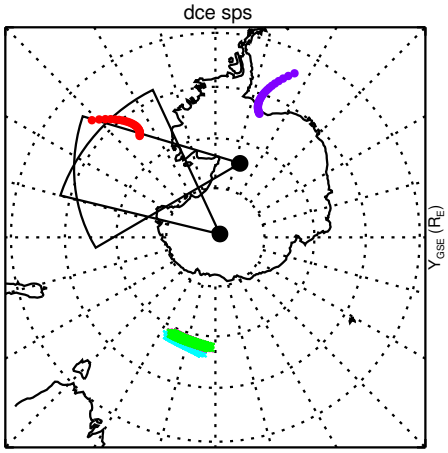


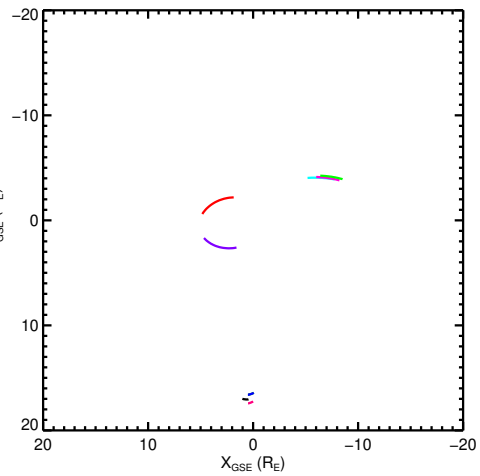


(e) 1645UT to 1850UT
ade bks cve fhe fhw sas wal

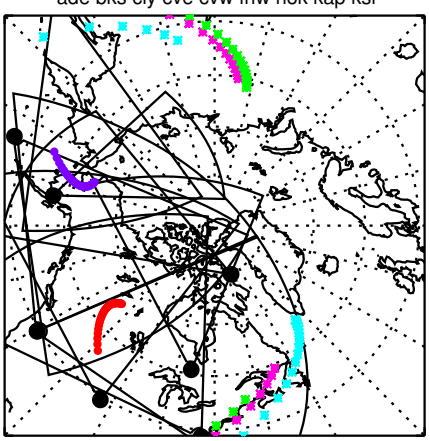


dce sps

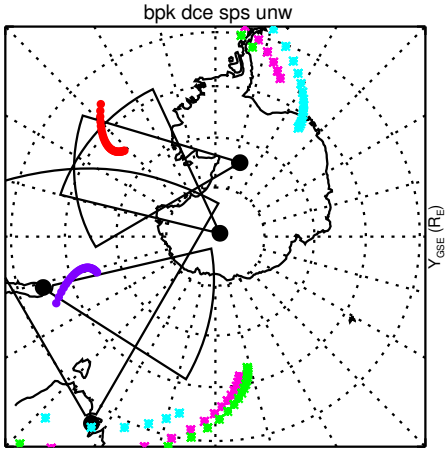


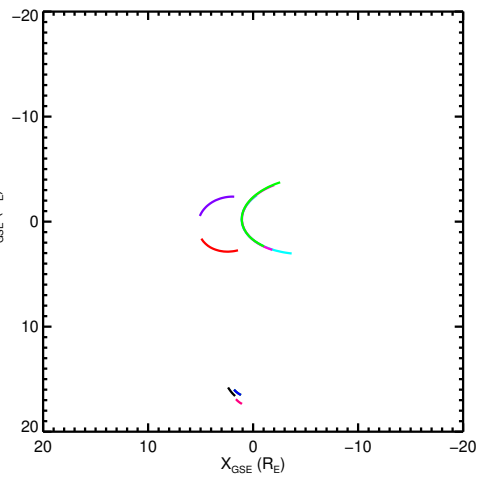


(f) 2100UT to 2335UT
ade bks cly cve cvw fhw hok kap ksr



bpk dce sps unw

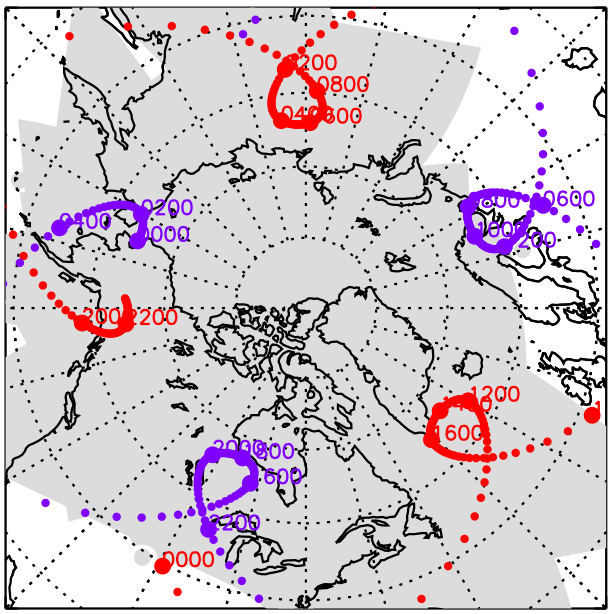


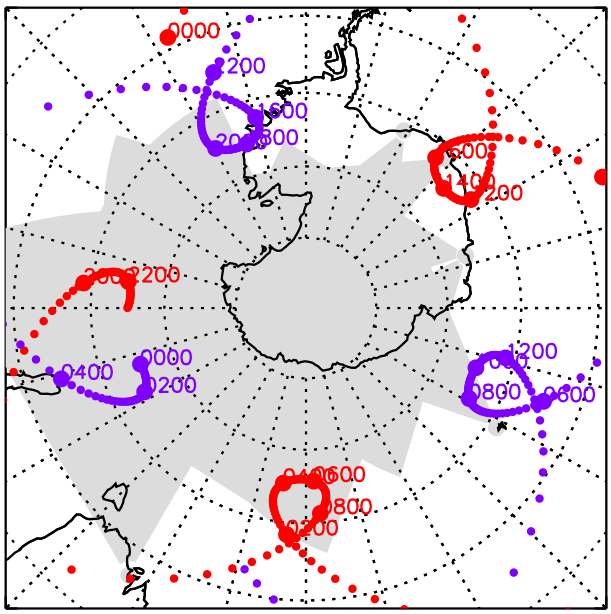


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

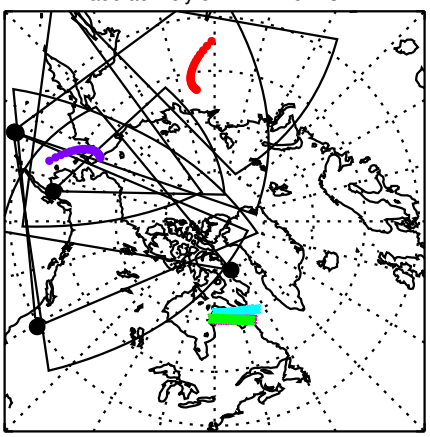
05–Dec–2015

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

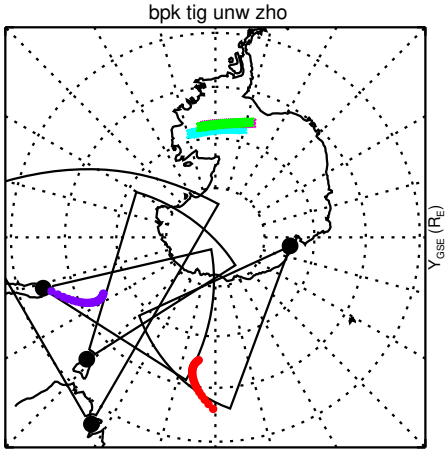


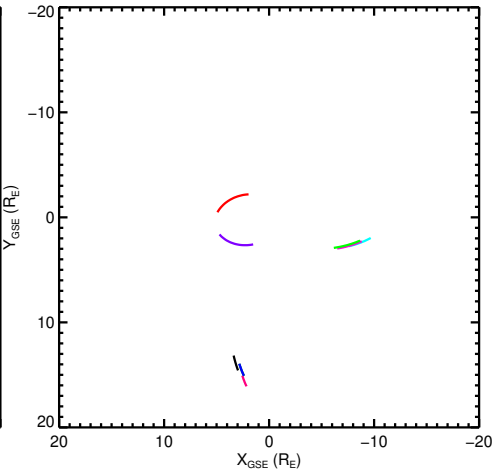


(a) 0145UT to 0355UT
ade adw cly cvw hkw hok ksr

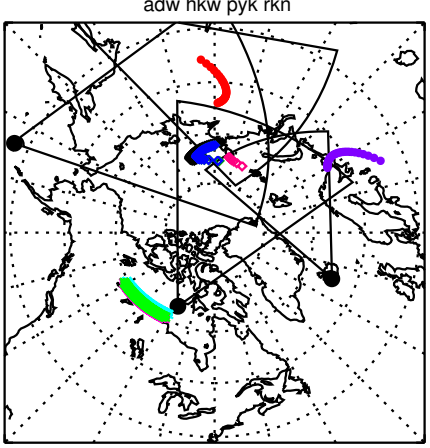


bpk tig unw zho

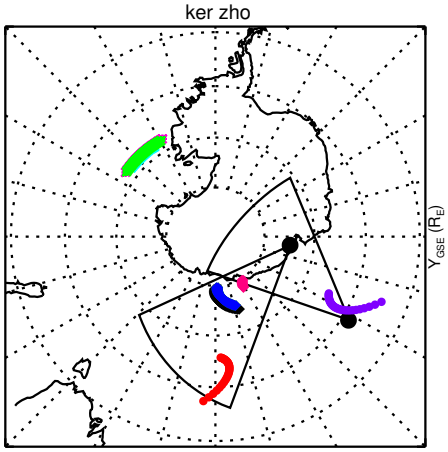


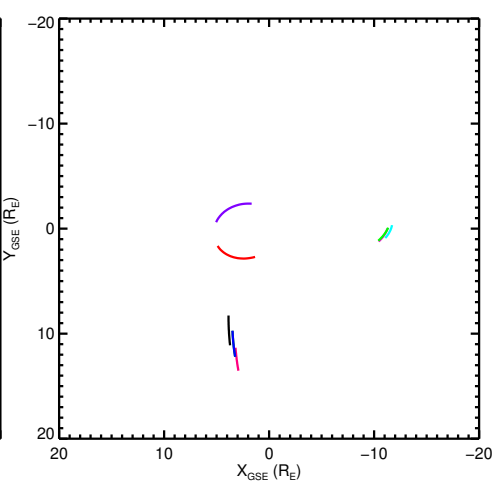


(b) 0600UT to 0835UT
adw hkw pyk rkn

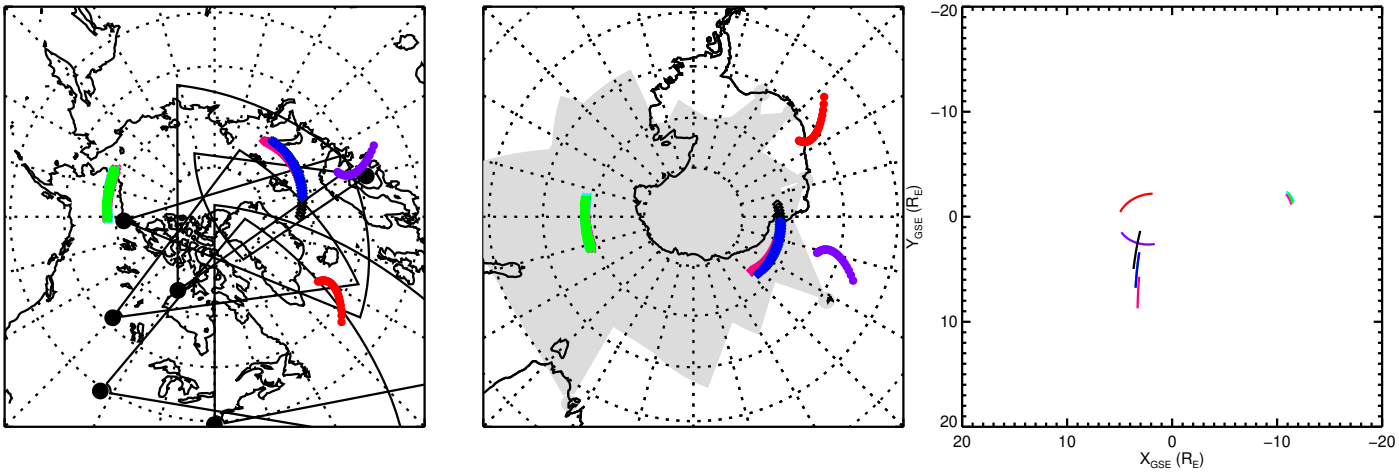


ker zho



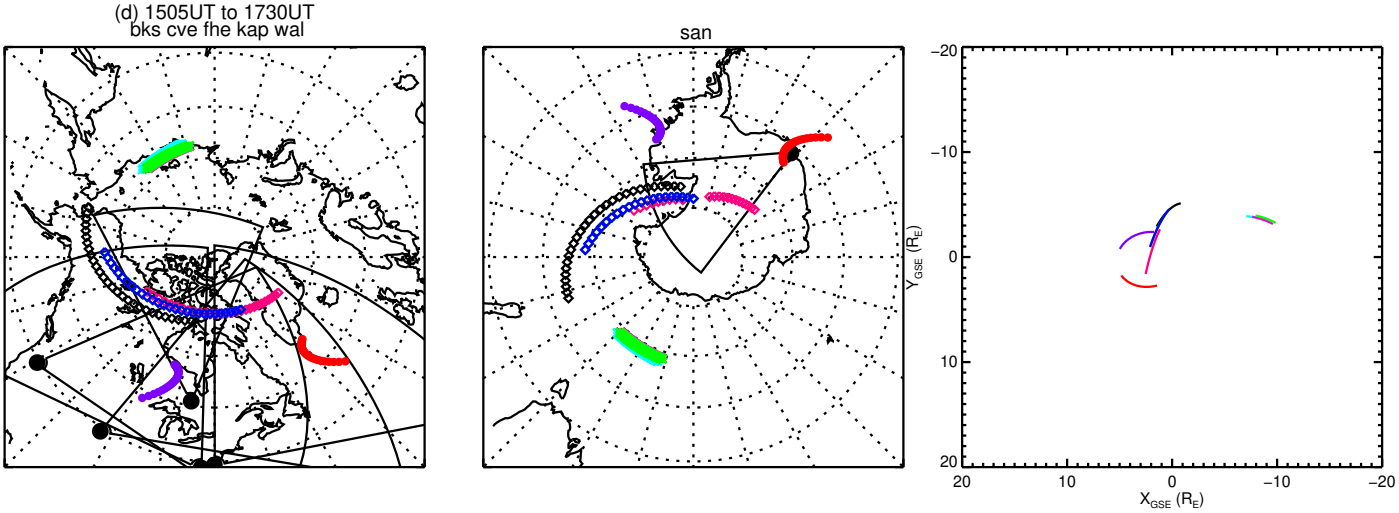


(c) 1040UT to 1255UT
fhe han inv rkn sas wal



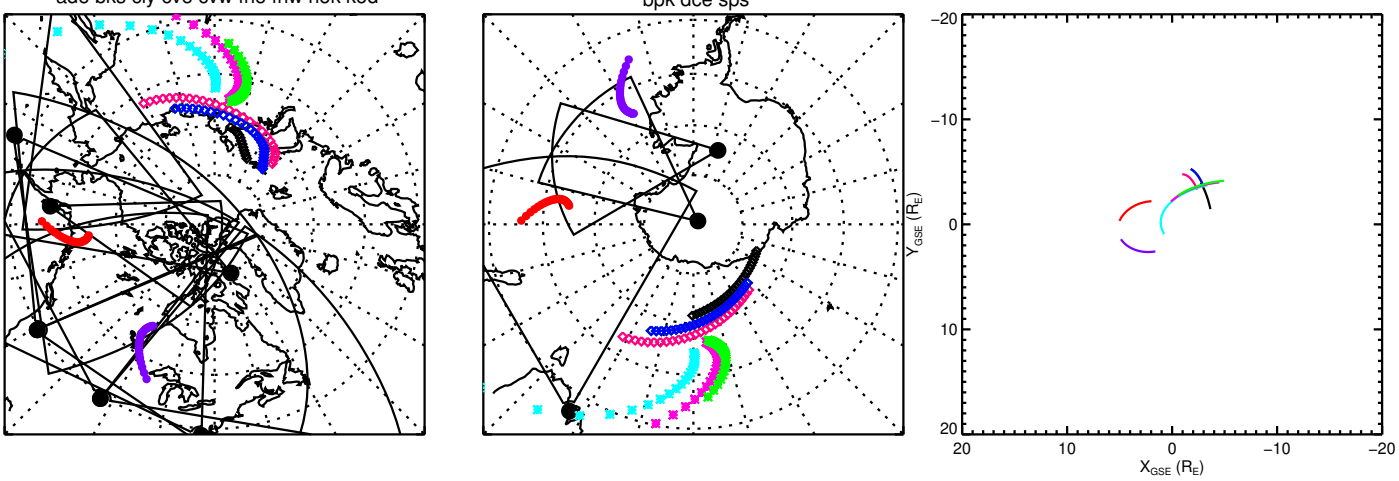
(d) 1505UT to 1730UT
bks cve fhe kap wal

san



(e) 1940UT to 2200UT
ade bks cly cve cvw fhe fhw hok kod

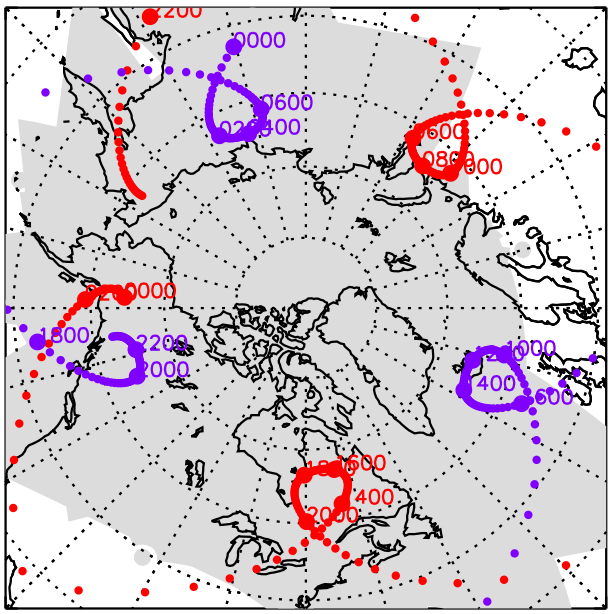
bpk dce sps

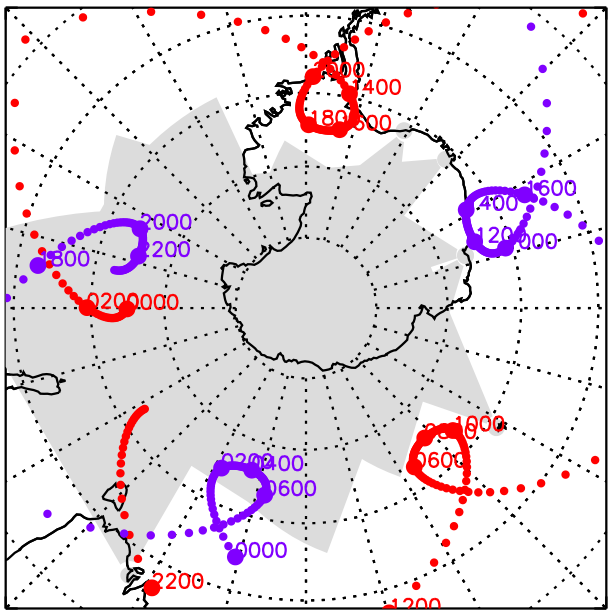


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

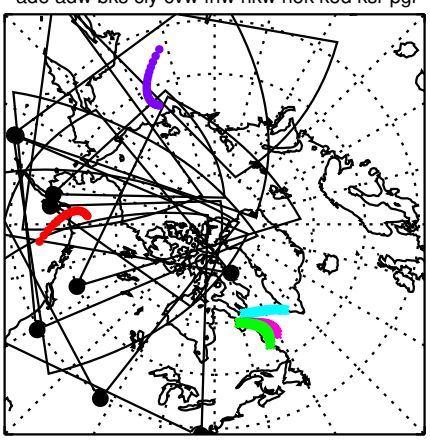
06–Dec–2015

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

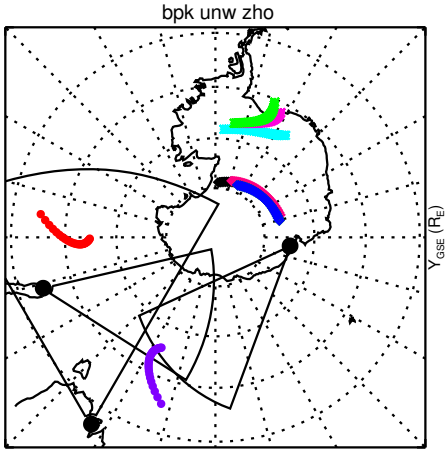


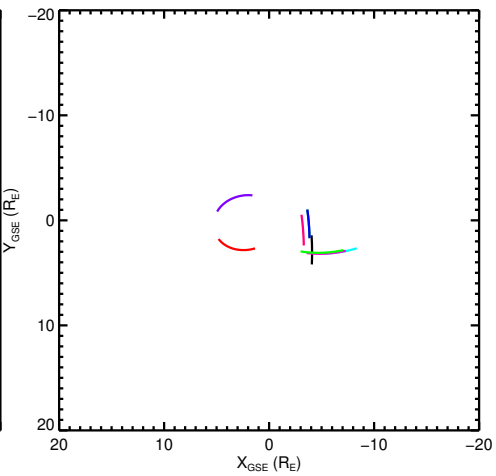


(a) 0005UT to 0230UT
ade adw bks cly cvw fhw hkw hok kod ksr pgr

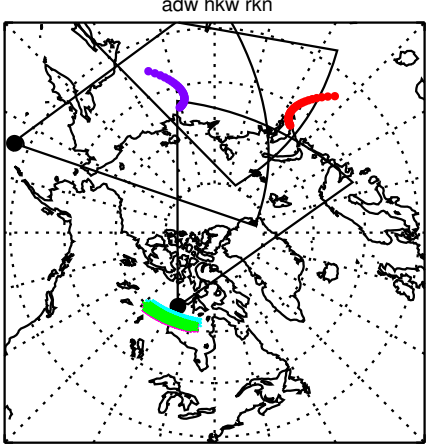


bpk unw zho

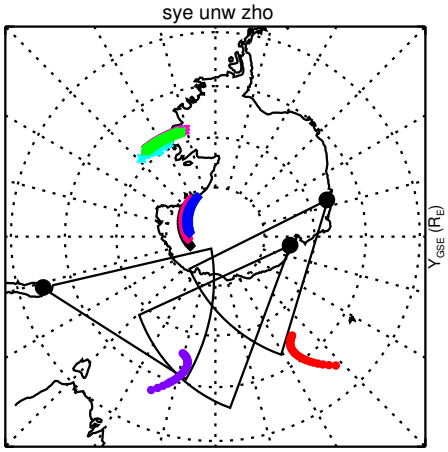


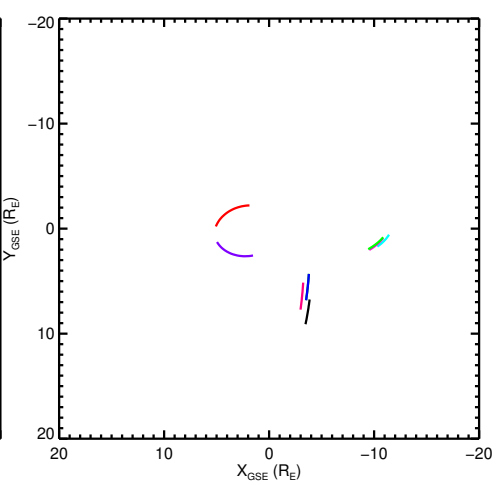


(b) 0435UT to 0705UT
adw hkw rkn

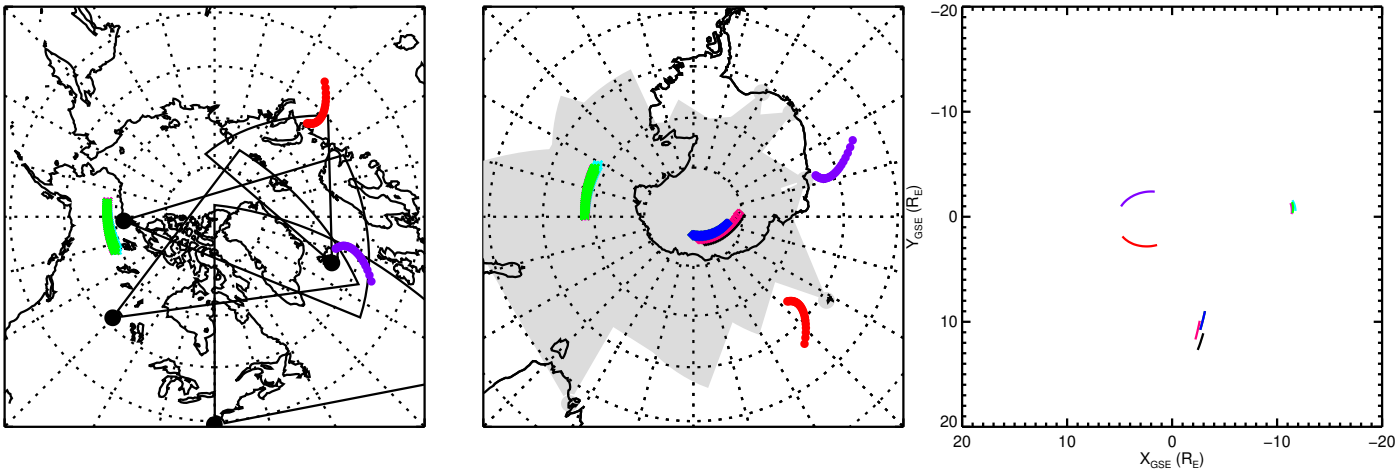


sye unw zho

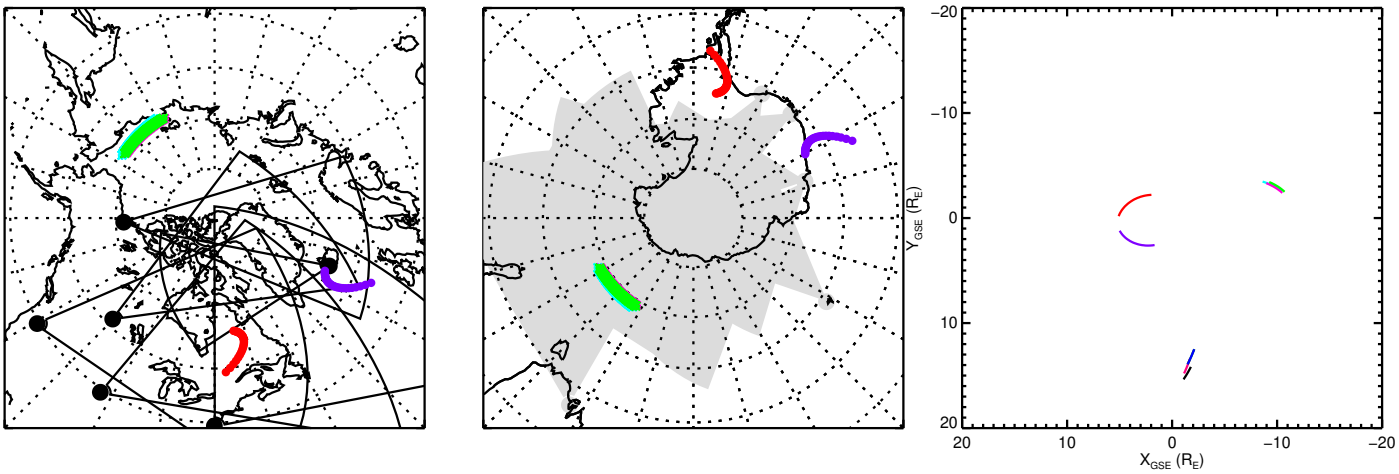




(c) 0910UT to 1125UT
inv pyk sas wal

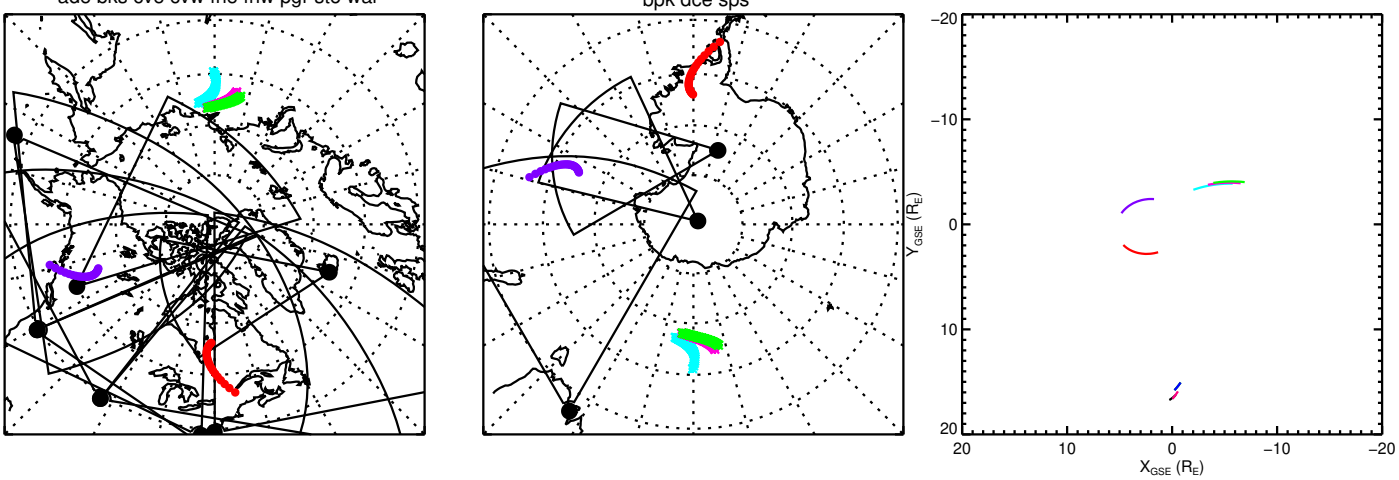


(d) 1335UT to 1605UT
cve fhe inv sas sto wal



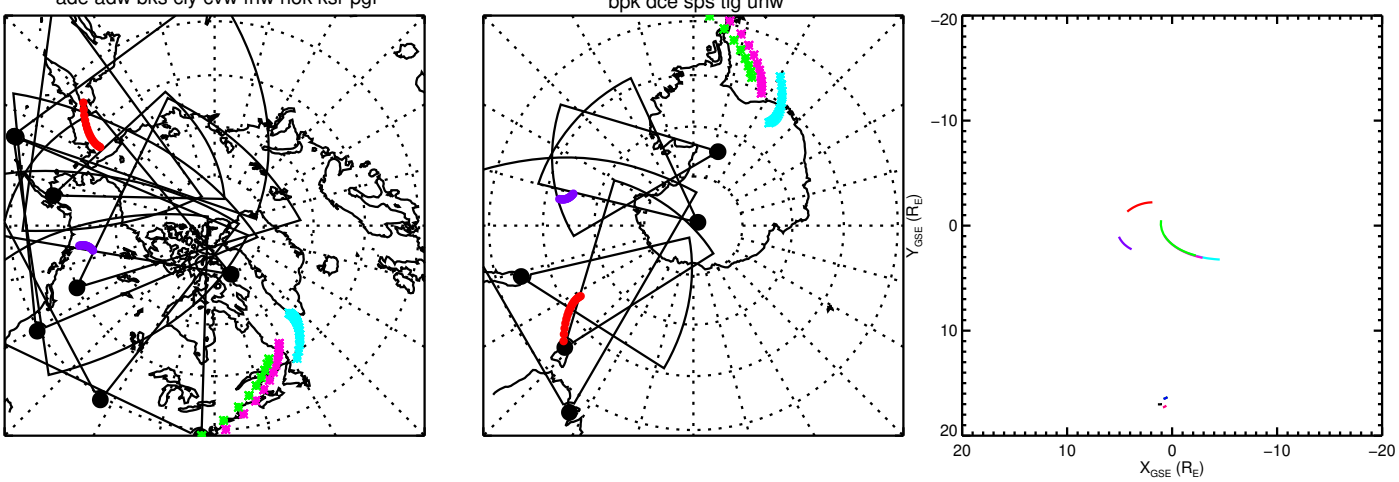
(e) 1815UT to 2025UT
ade bks cve cvw fhe fhw pgr sto wal

bpk dce sps



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

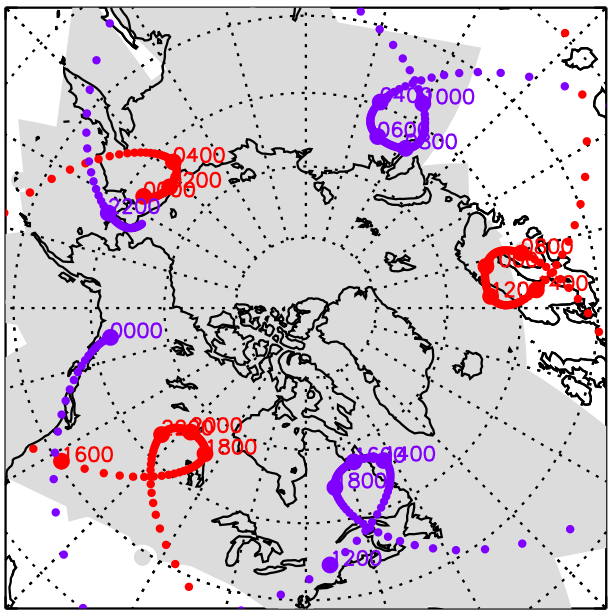
bpk dce sps tig unw

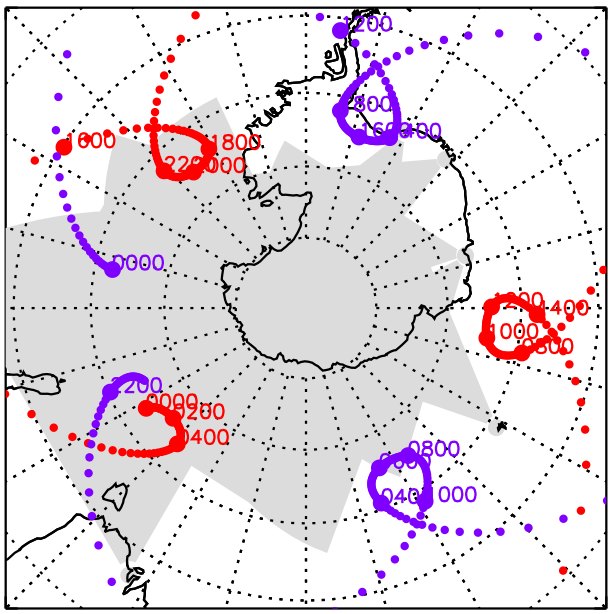


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

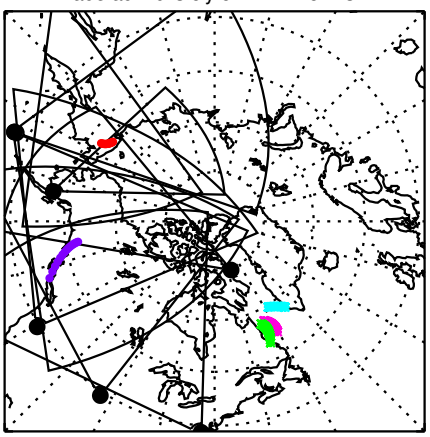
07–Dec–2015

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

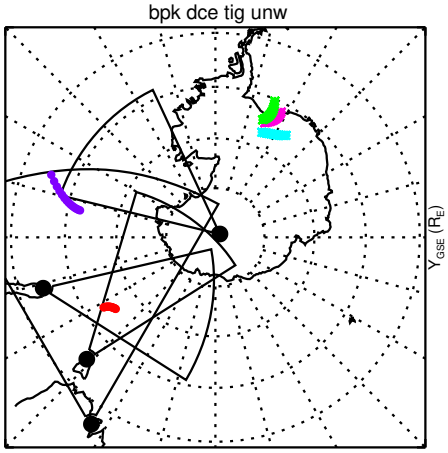


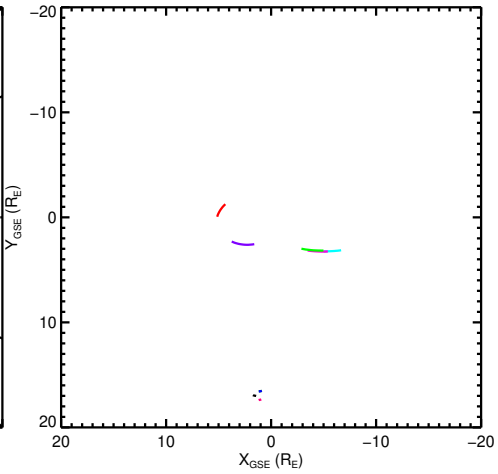


(a) 0000UT to 0110UT
ade adw bks cly cvw fhw hok ksr

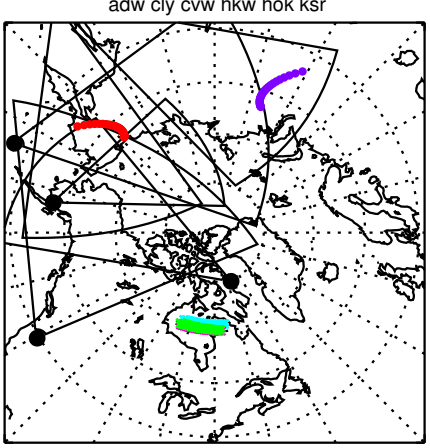


bpk dce tig unw

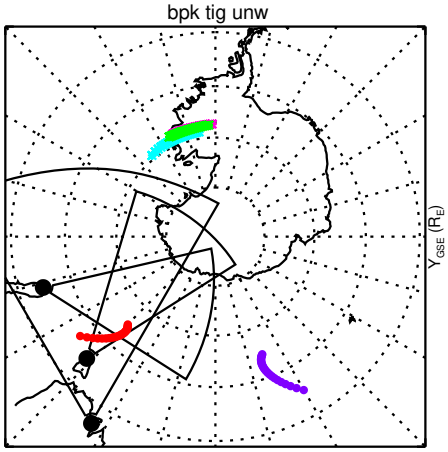


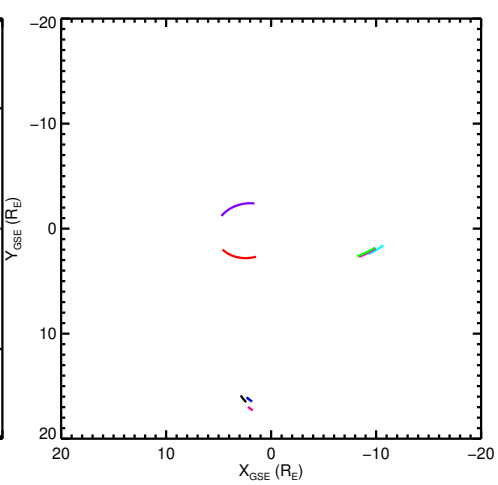


(b) 0315UT to 0520UT
adw cly cvw hkw hok ksr



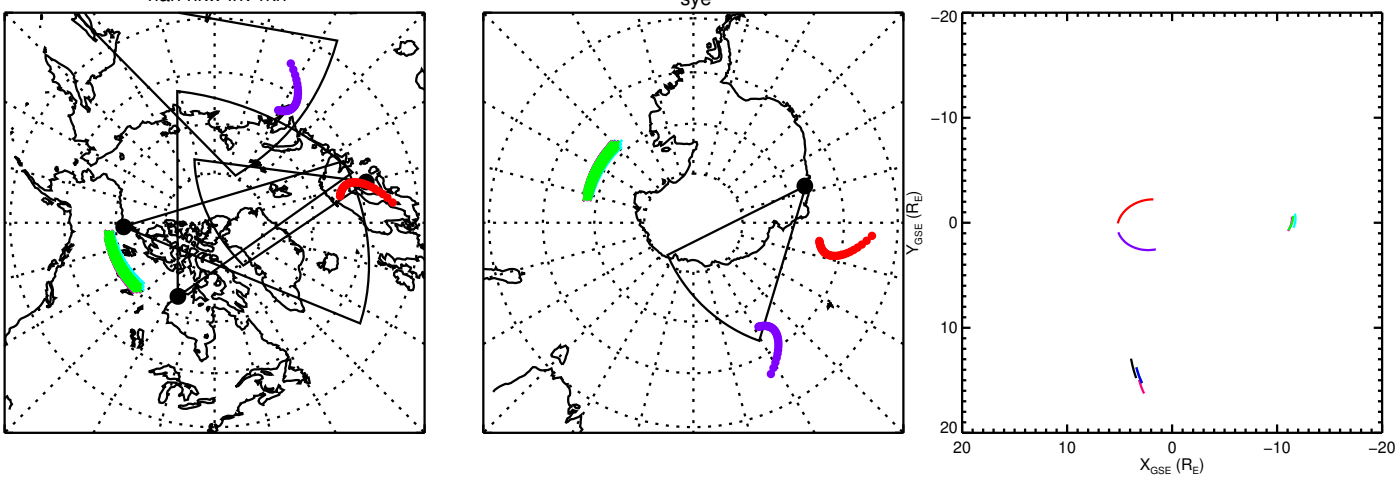
bpk tig unw



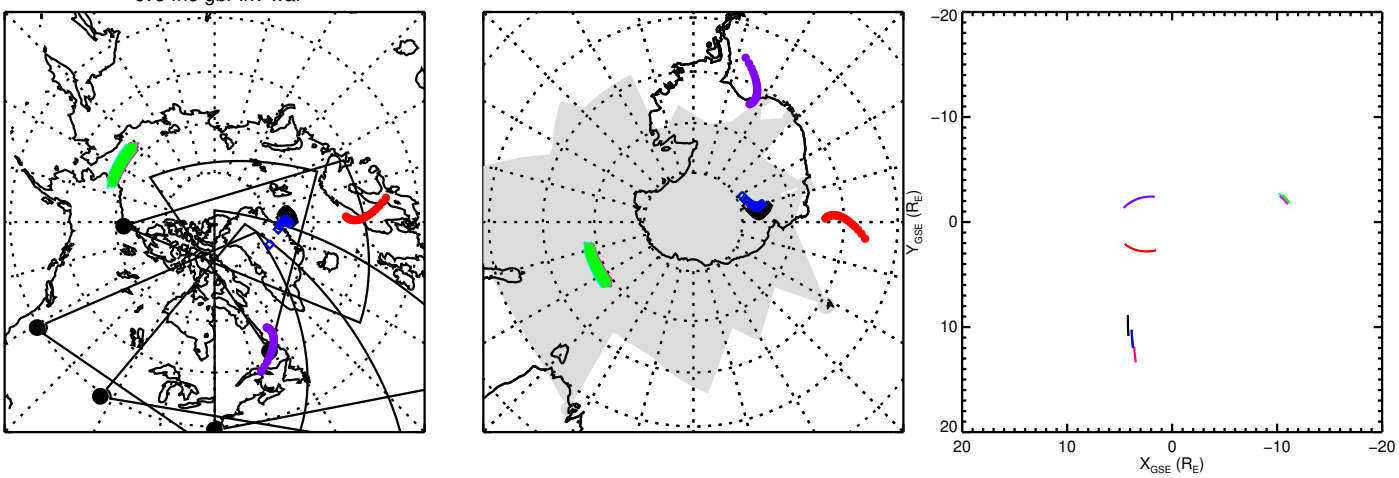


(c) 0725UT to 1015UT
han hkw inv rkn

sye

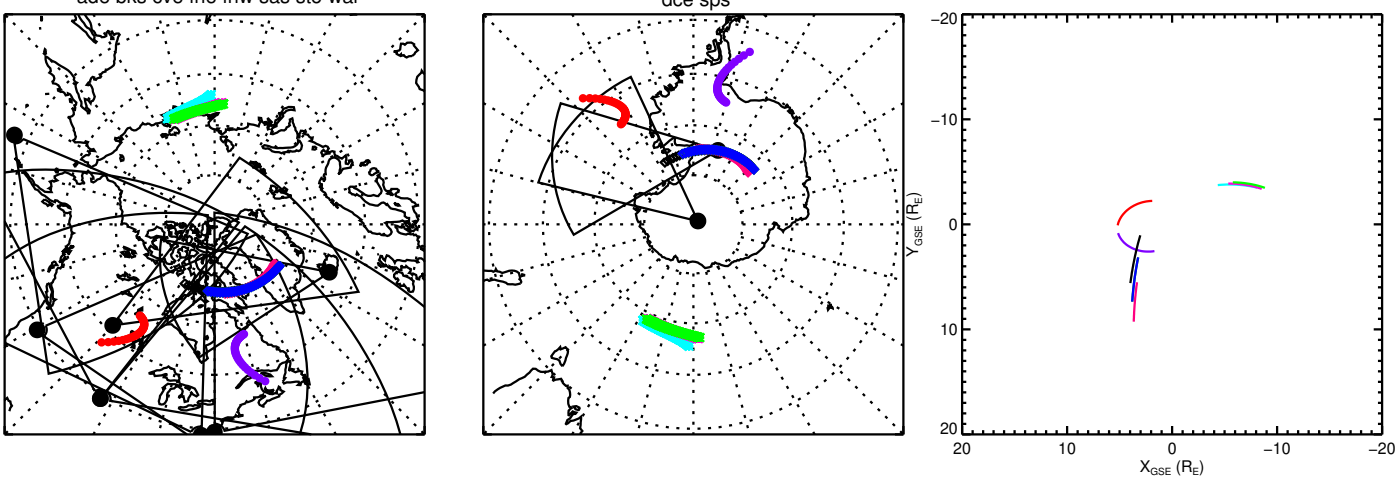


(d) 1220UT to 1415UT
cve fhe gbr inv wal



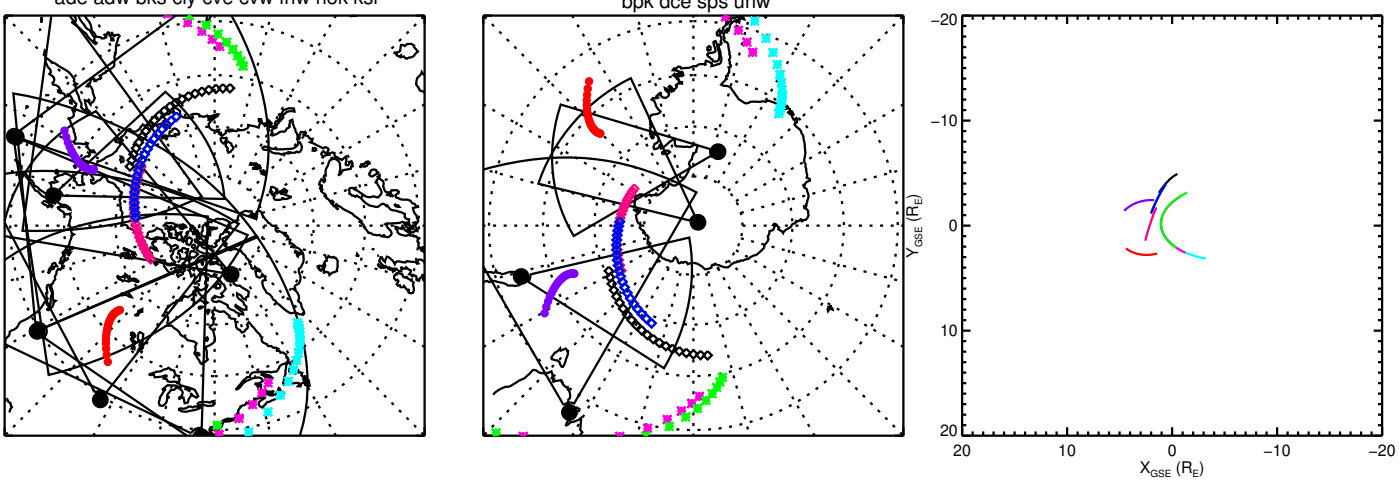
(e) 1625UT to 1915UT
ade bks cve fhe fhw sas sto wal

dce sps



(f) 2125UT to 2315UT
ade adw bks cly cve cvw fhw hok ksr

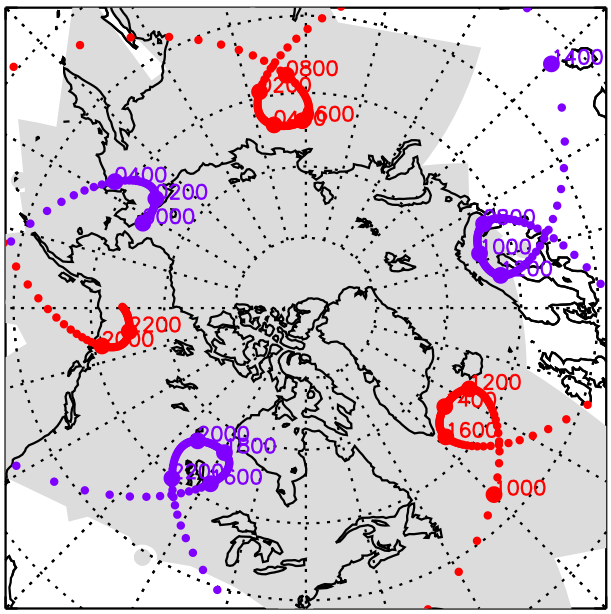
bpk dce sps unw

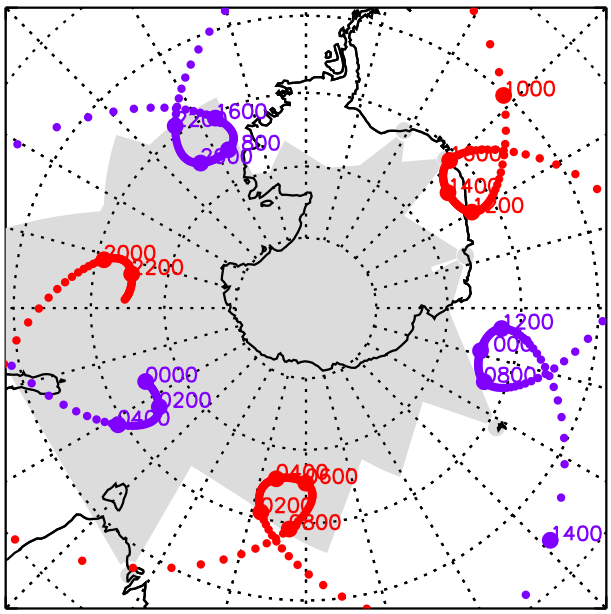


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

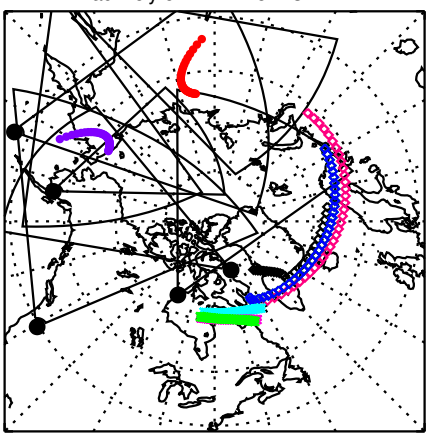
08–Dec–2015

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

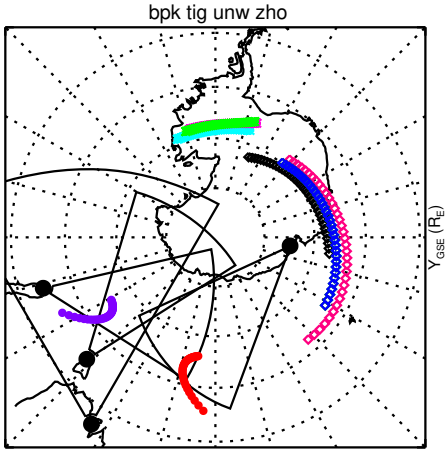


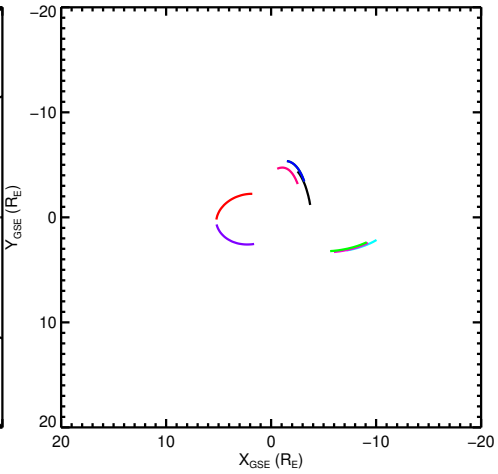


(a) 0120UT to 0420UT
adw cly cvw hkw hok ksr rkn

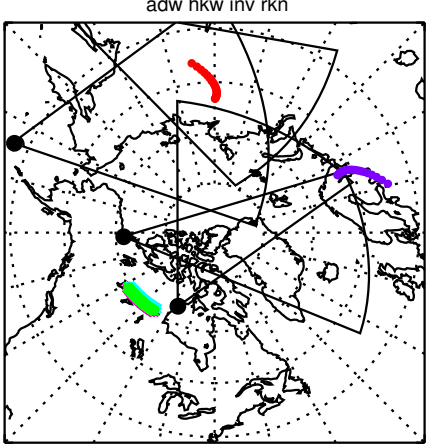


bpk tig unw zho

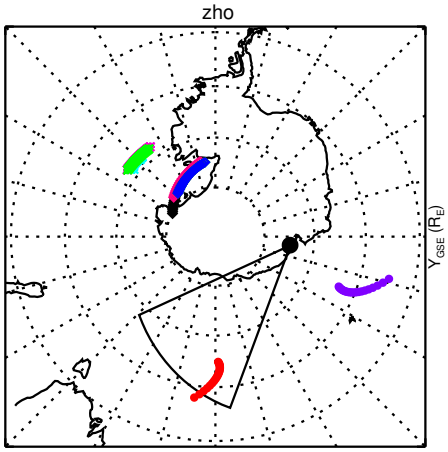


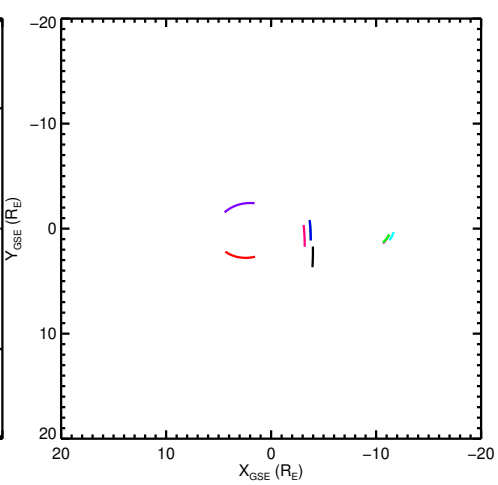


(b) 0625UT to 0810UT
adw hkw inv rkn

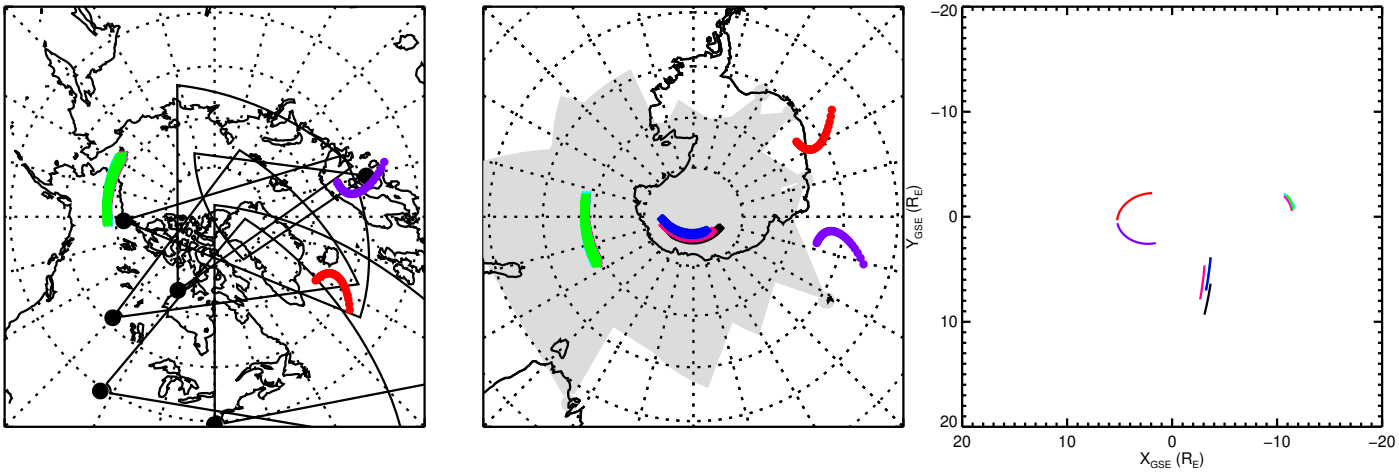


zho



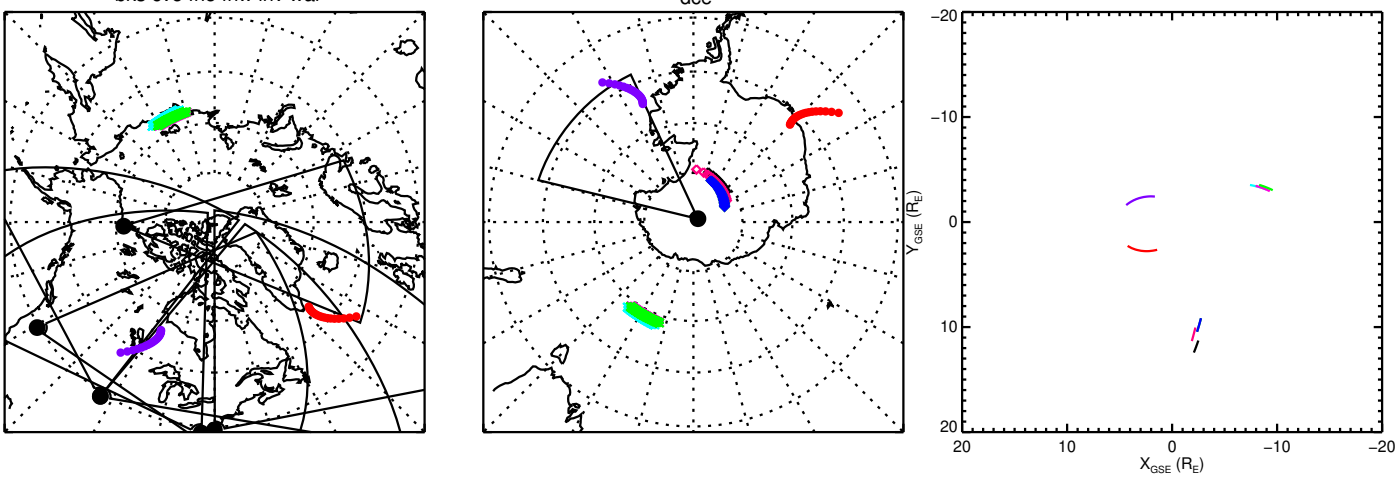


(c) 1020UT to 1325UT
fhe han inv rkn sas wal



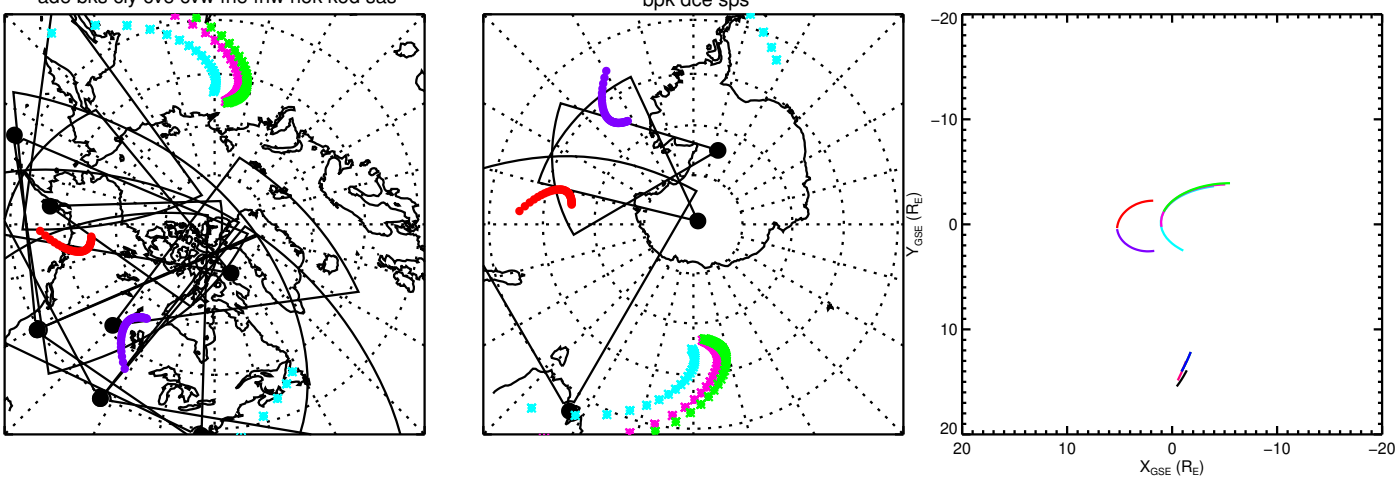
(d) 1530UT to 1710UT
bks cve fhe fhw inv wal

dce



(e) 1915UT to 2225UT
ade bks cly cve cvw fhe fhw hok kod sas

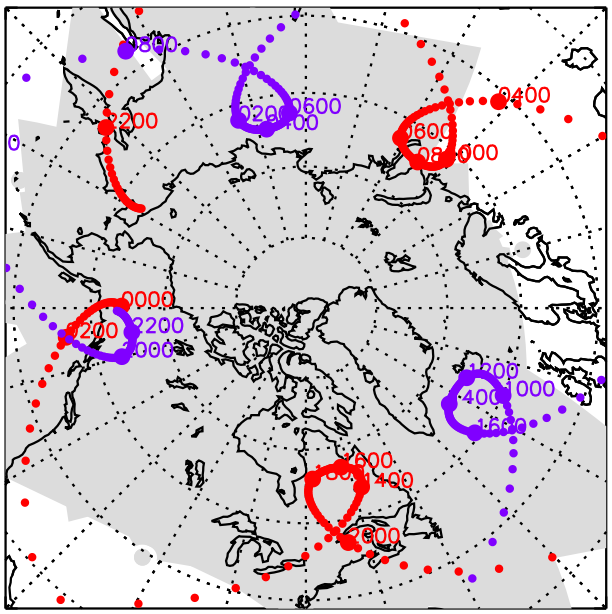
bpk dce sps

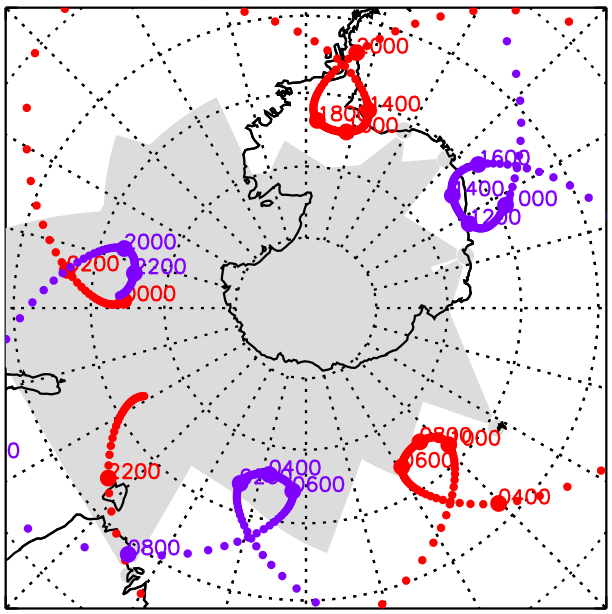


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

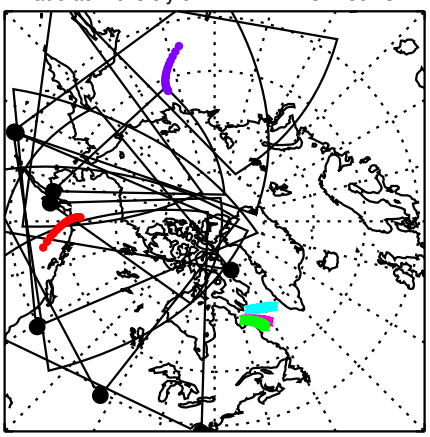
09–Dec–2015

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

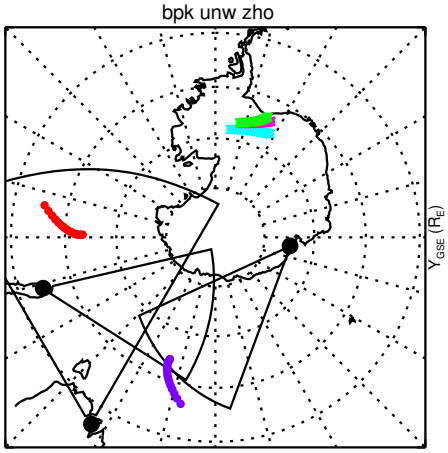


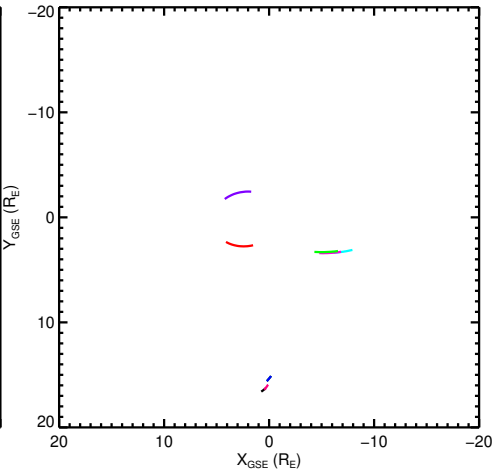


(a) 0035UT to 0205UT
ade adw bks cly cvw fhw hkw hok kod ksr

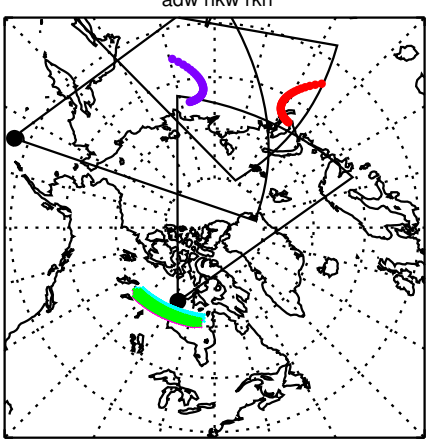


bpk unw zho

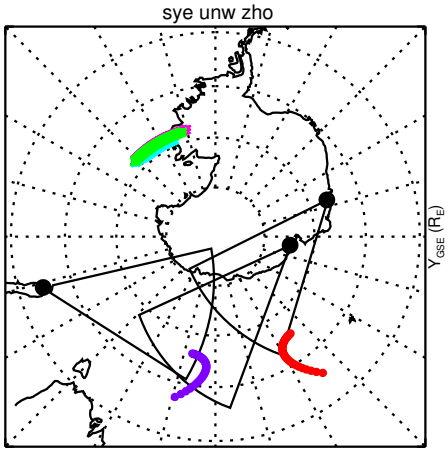


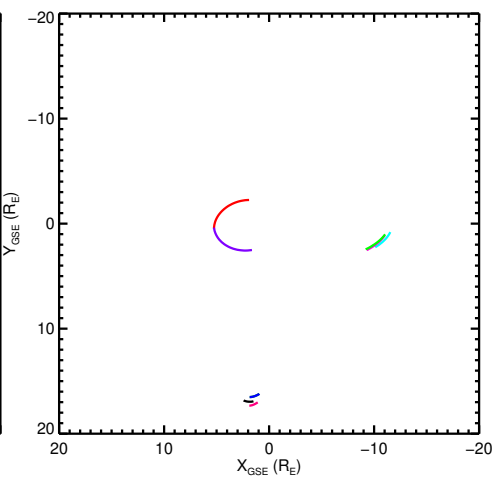


(b) 0415UT to 0730UT
adw hkw rkn

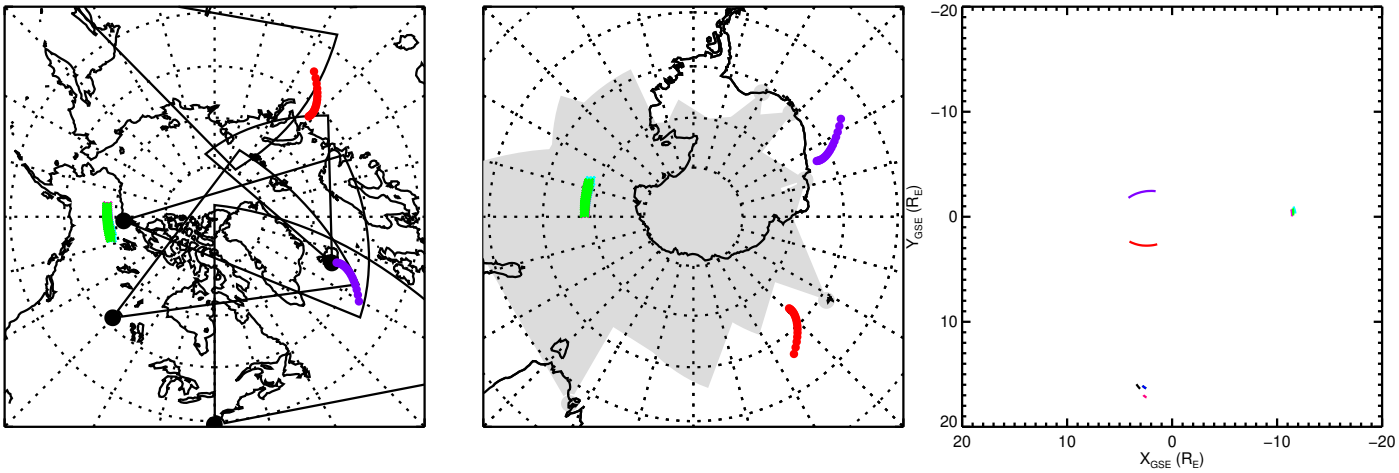


sye unw zho

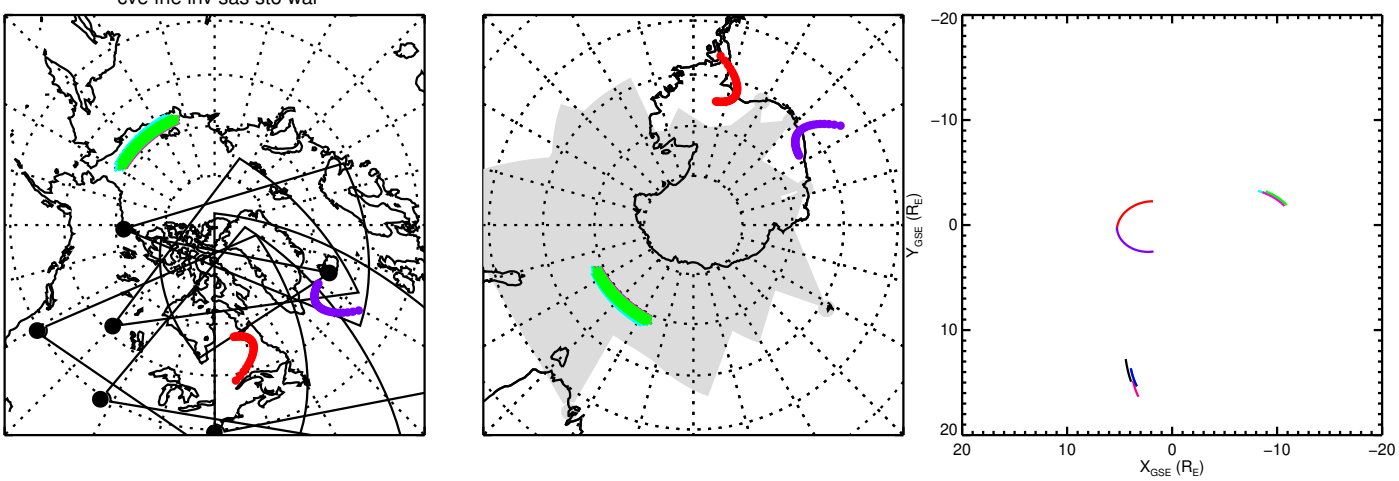




(c) 0935UT to 1105UT
hkw inv pyk sas wal

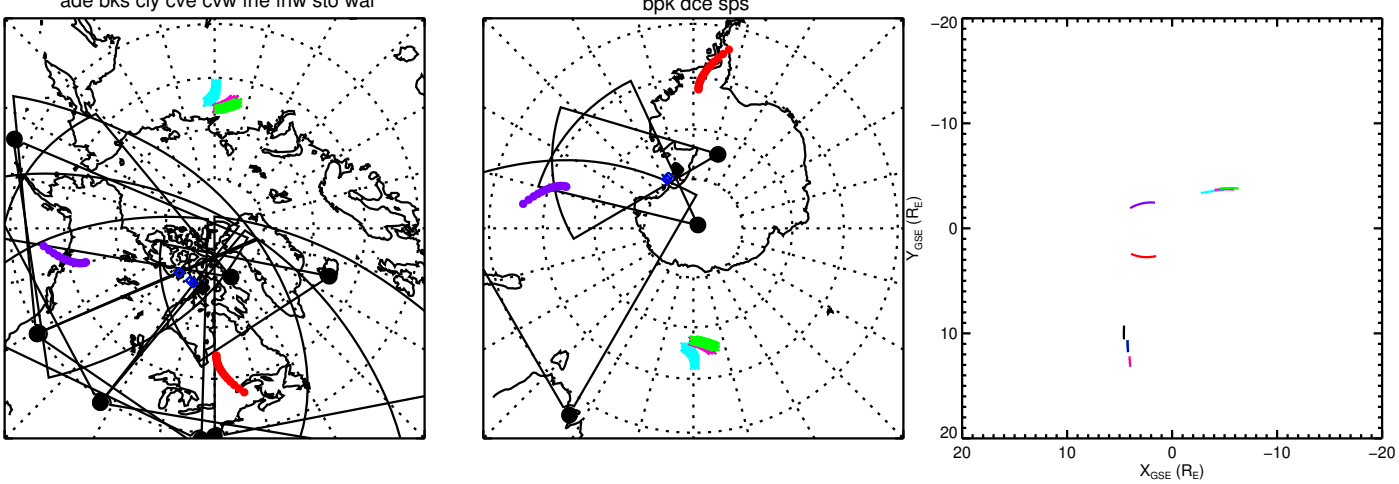


(d) 1310UT to 1630UT
cve fhe inv sas sto wal



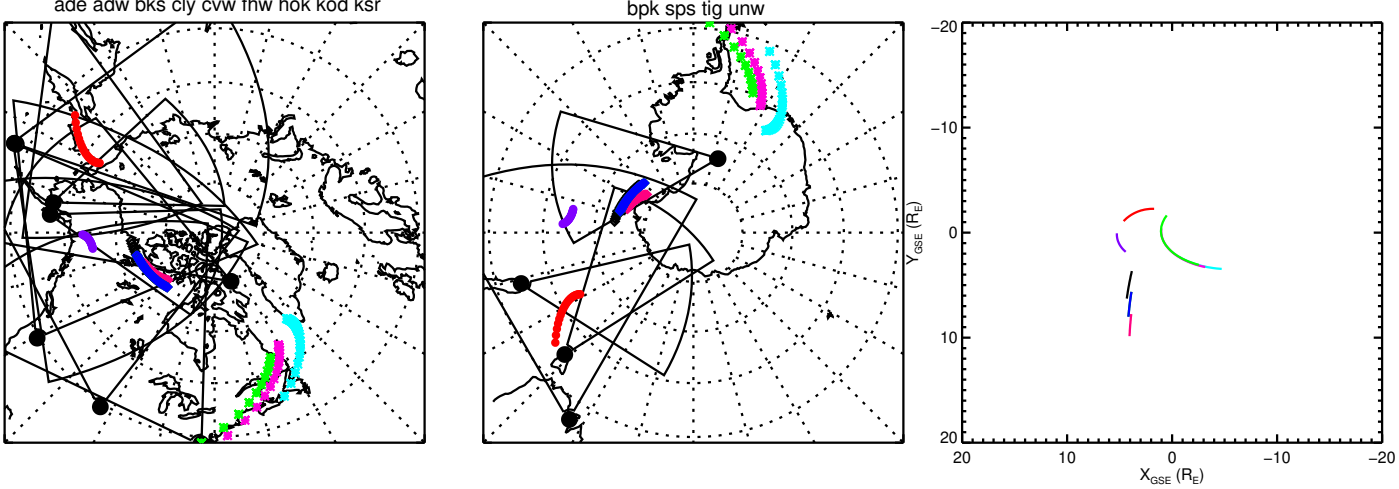
(e) 1840UT to 2000UT
ade bks cly cve cvw fhe fhw sto wal

bpk dce sps



(f) 2205UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr

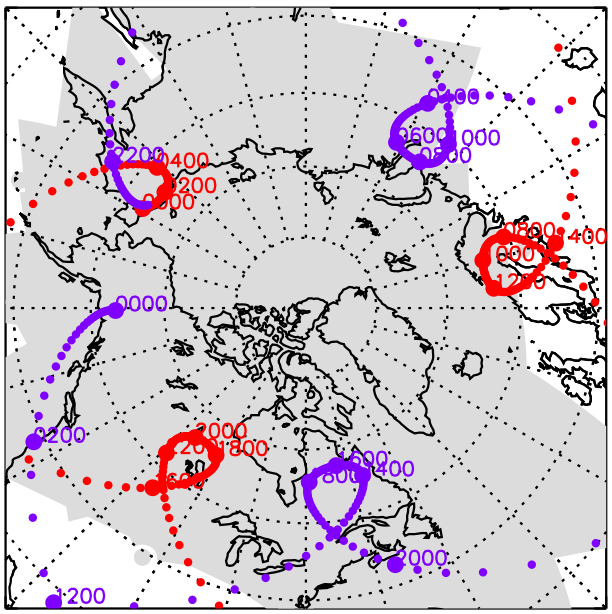
bpk sps tig unw

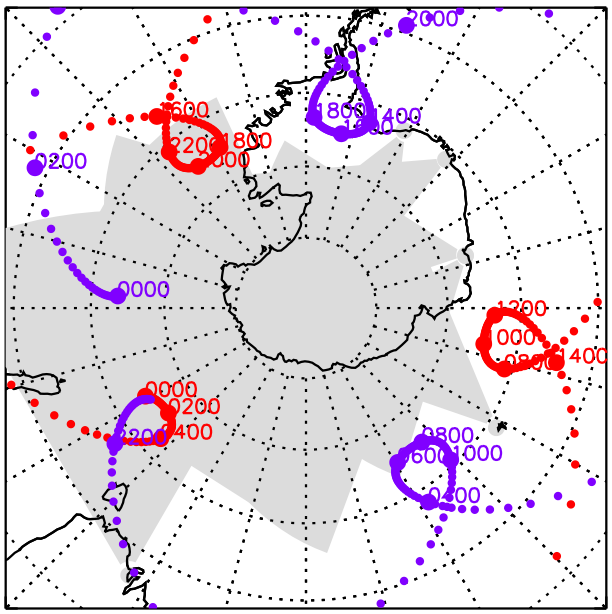


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

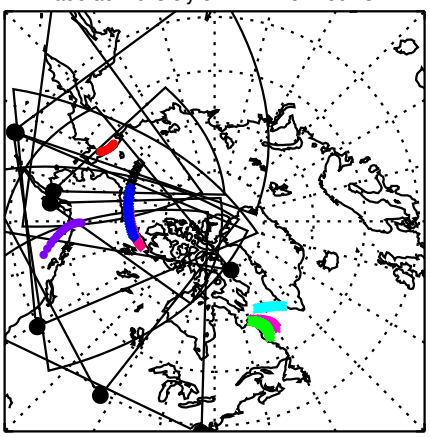
10–Dec–2015

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

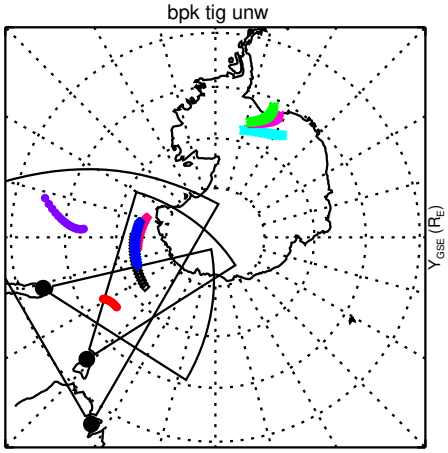


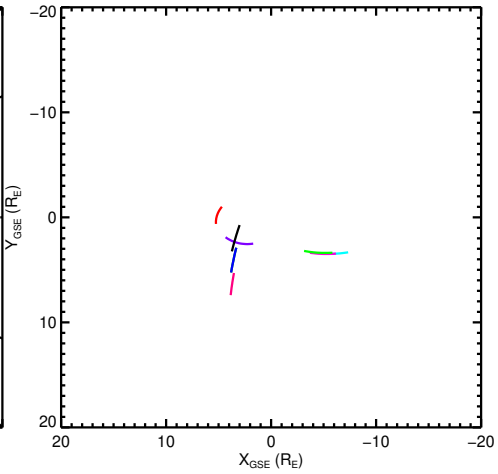


(a) 0000UT to 0135UT
ade adw bks cly cvw fhw hok kod ksr

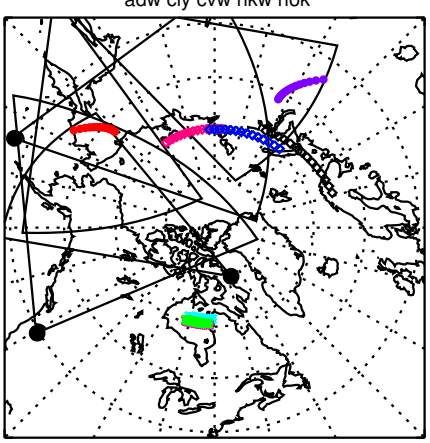


bpk tig unw

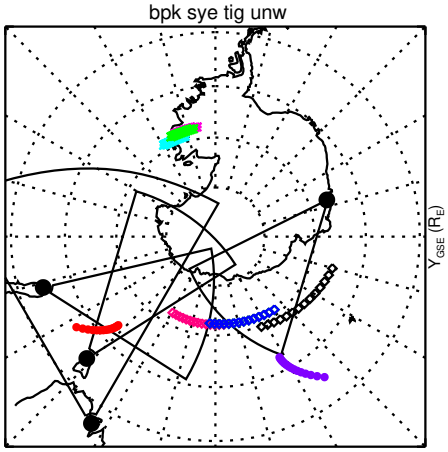


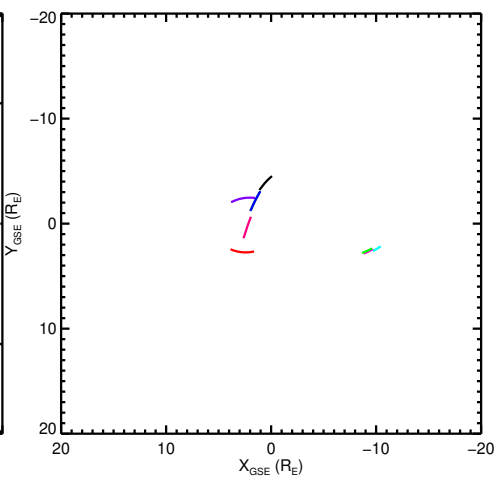


(b) 0340UT to 0455UT
adw cly cvw hkw hok



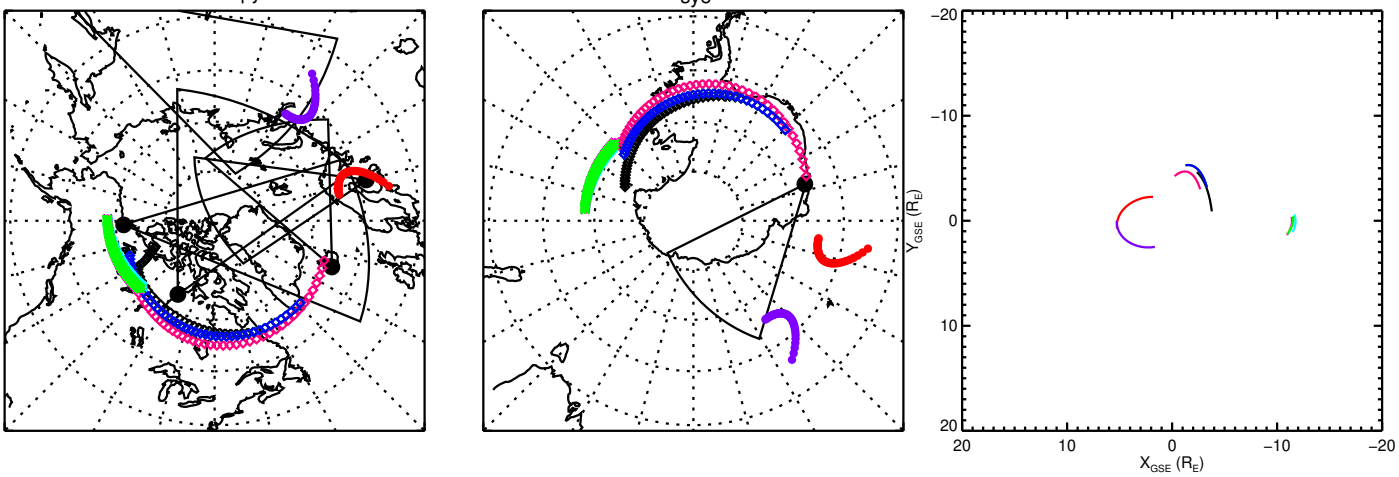
bpk sye tig unw



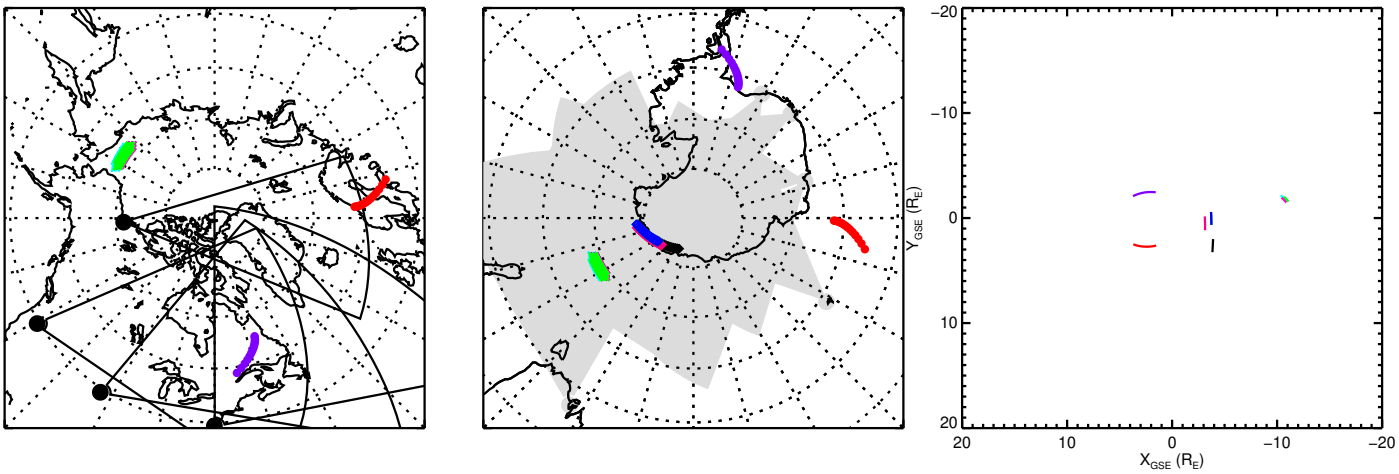


(c) 0705UT to 1040UT
han hkw inv pyk rkn

sye

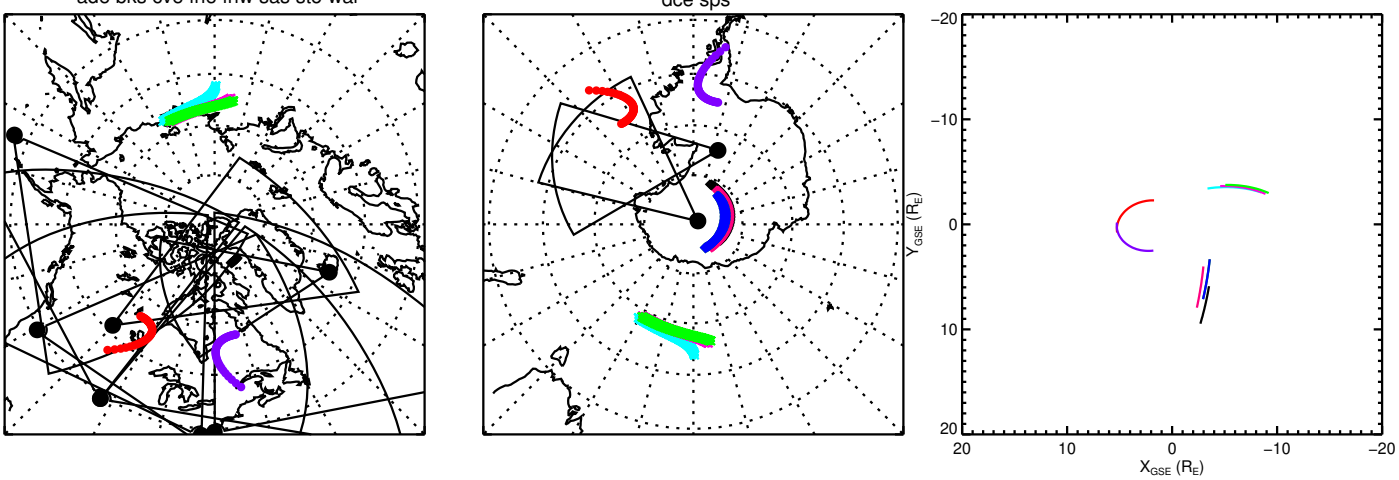


(d) 1245UT to 1355UT
cve fhe inv wal



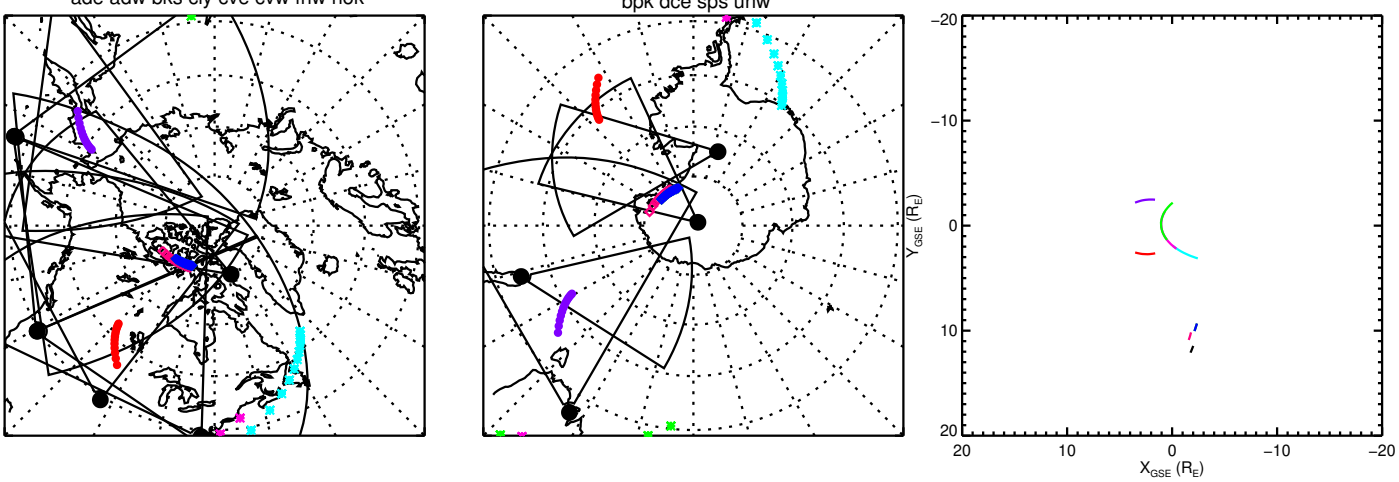
(e) 1600UT to 1940UT
ade bks cve fhe fhw sas sto wal

dce sps



(f) 2150UT to 2250UT
ade adw bks cly cve cvw fhw hok

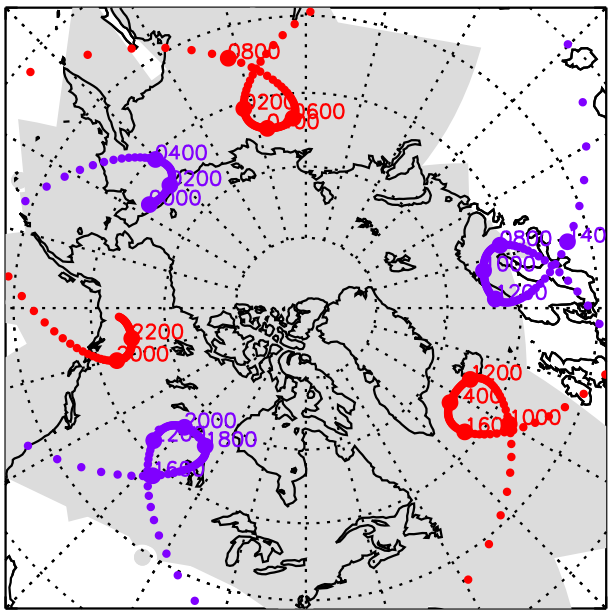
bpk dce sps unw

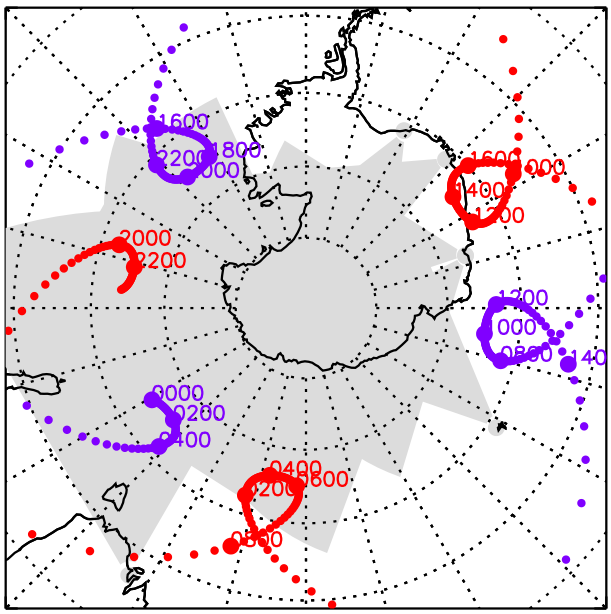


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

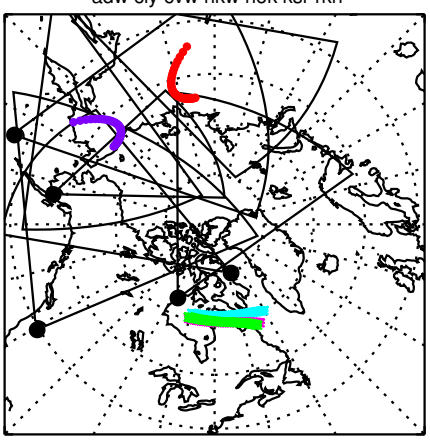
11–Dec–2015

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

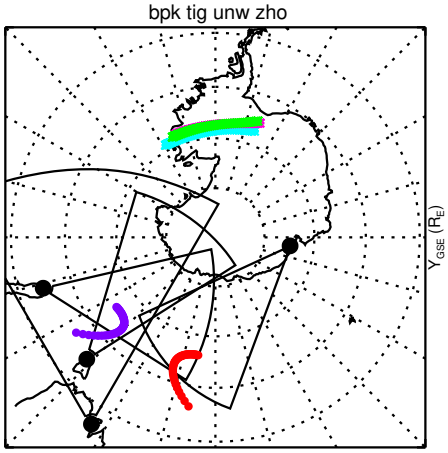


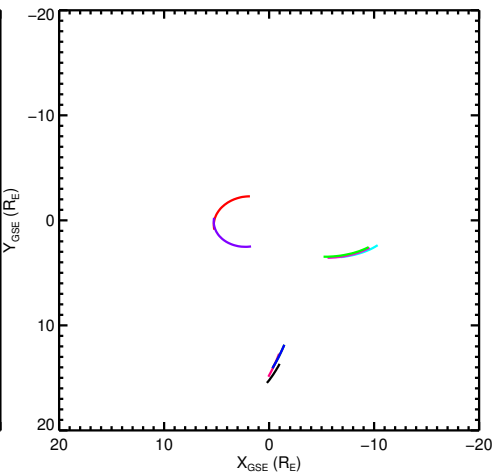


(a) 0100UT to 0445UT
adw cly cvw hkw hok ksr rkn

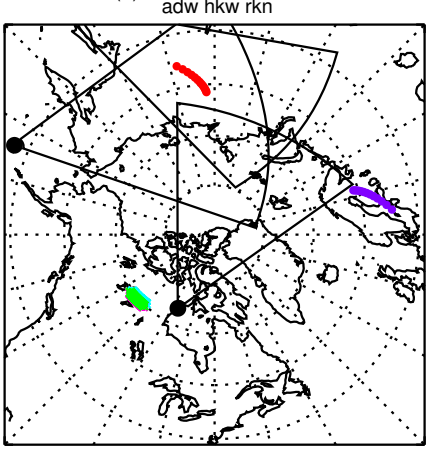


bpk tig unw zho

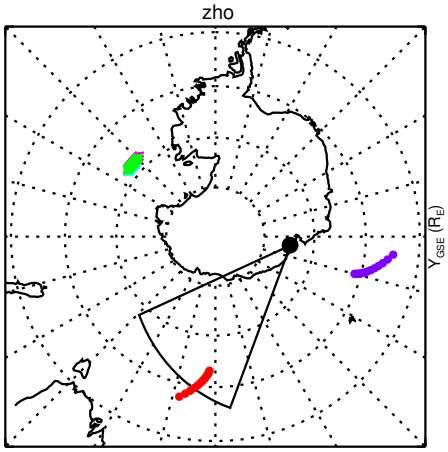


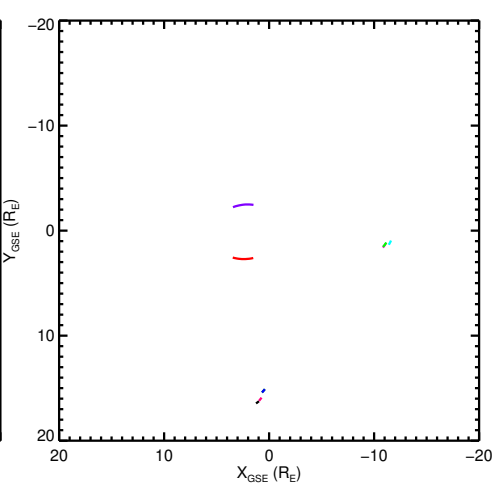


(b) 0650UT to 0750UT
adw hkw rkn

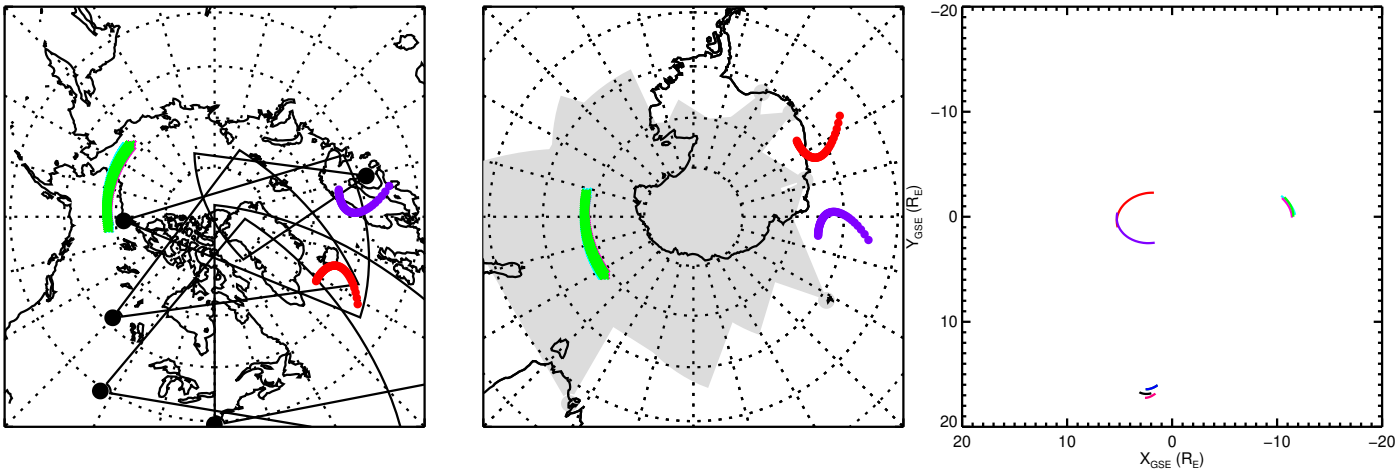


zho



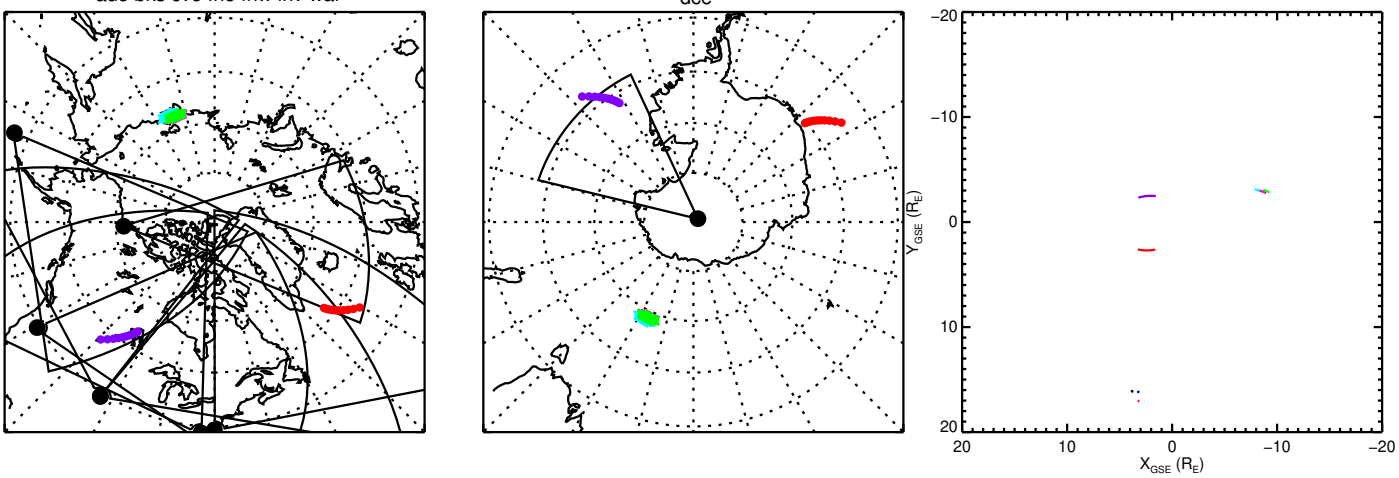


(c) 0955UT to 1350UT
fhe han inv sas wal



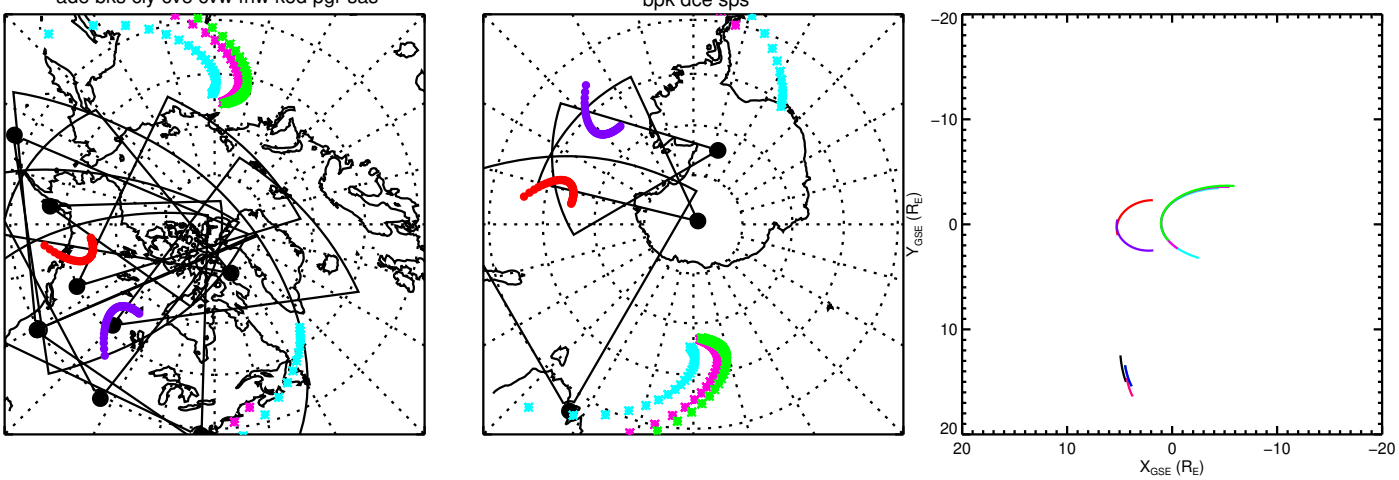
(d) 1555UT to 1645UT
ade bks cve fhe fhw inv wal

dce



(e) 1855UT to 2250UT
ade bks cly cve cvw fhw kod pgr sas

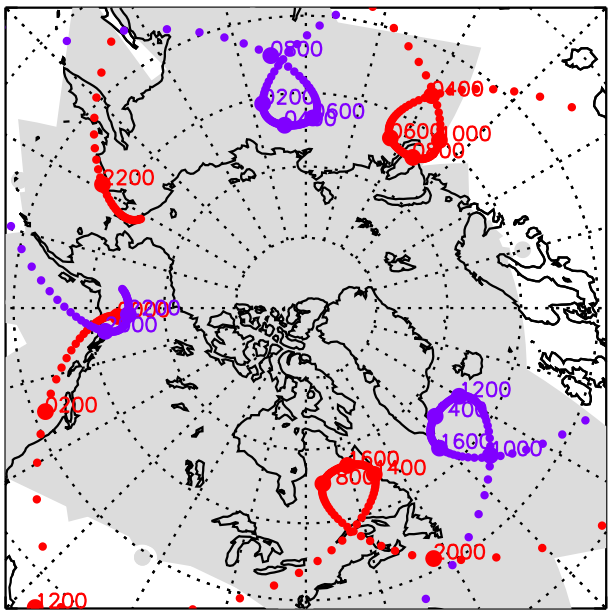
bpk dce sps

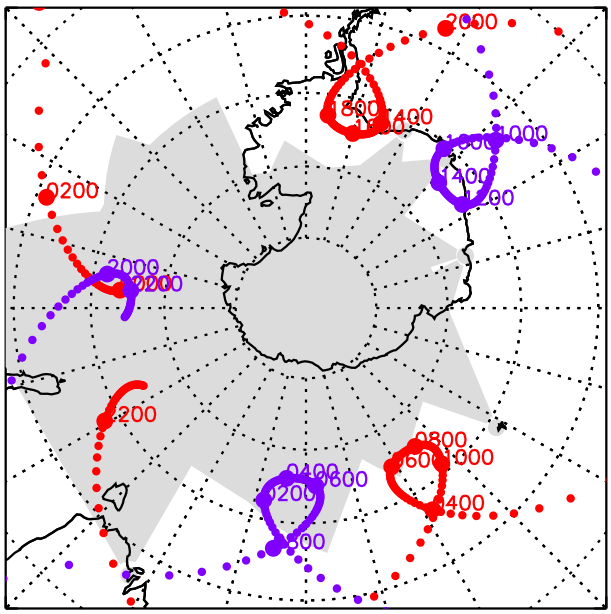


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

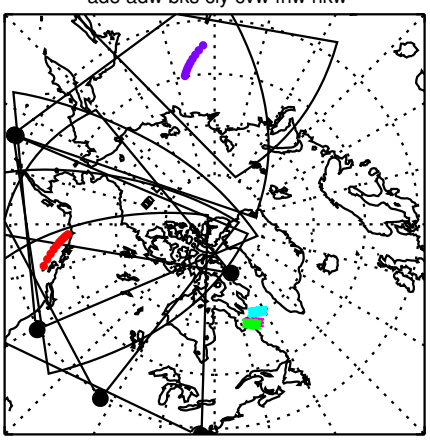
12–Dec–2015

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

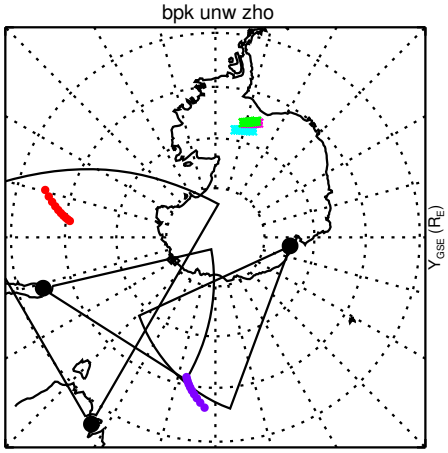


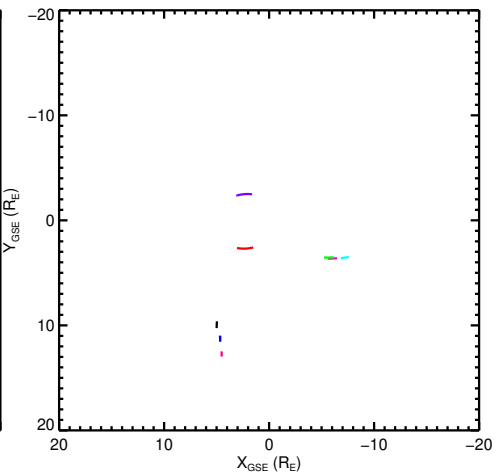


(a) 0100UT to 0145UT
ade adw bks cly cvw fhw hkw

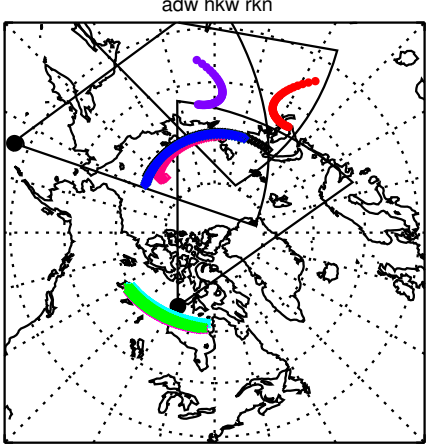


bpk unw zho

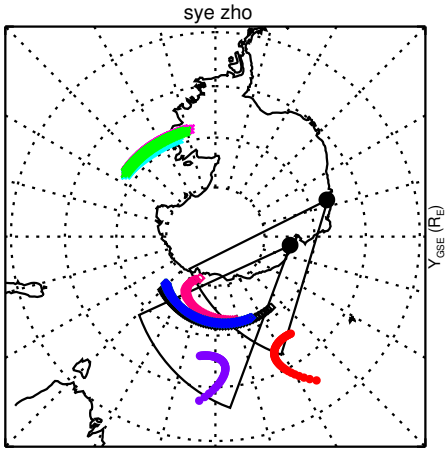


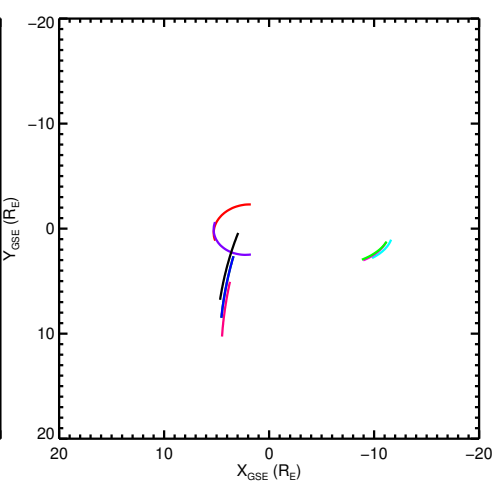


(b) 0350UT to 0755UT
adw hkw rkn

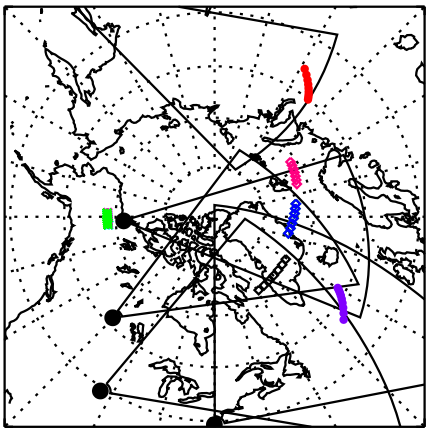


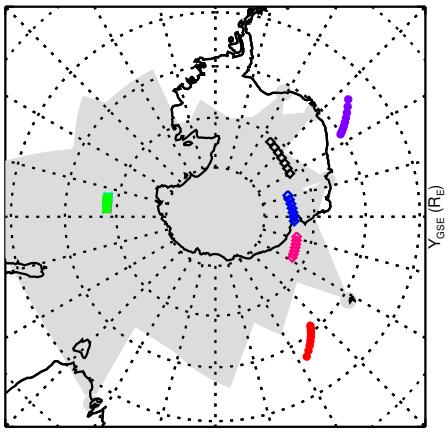
sye zho

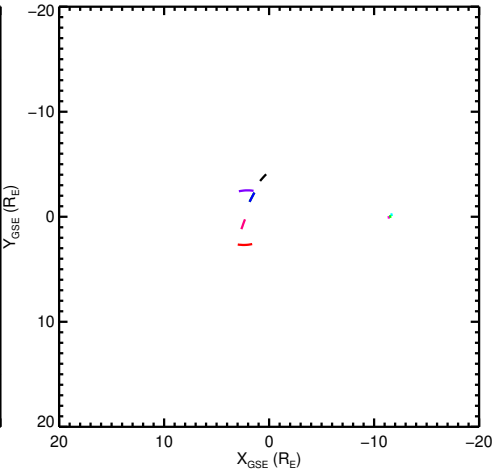




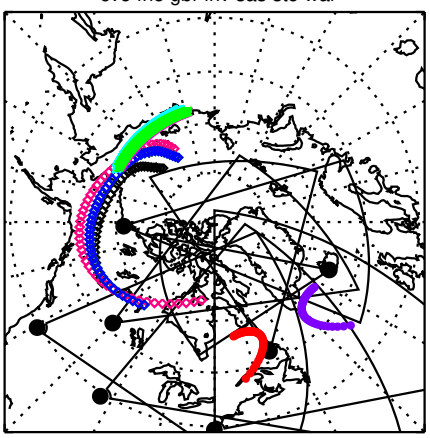
(c) 1000UT to 1040UT
fhe hkw inv sas wal







(d) 1245UT to 1700UT
cve fhe gbr inv sas sto wal



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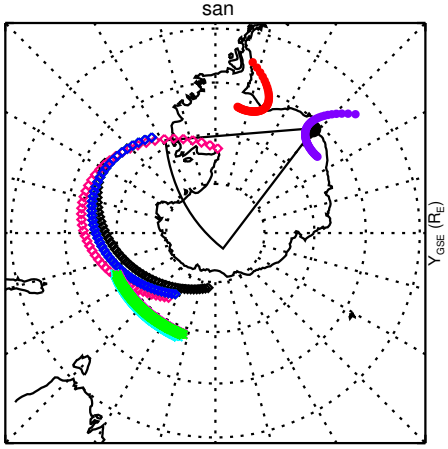
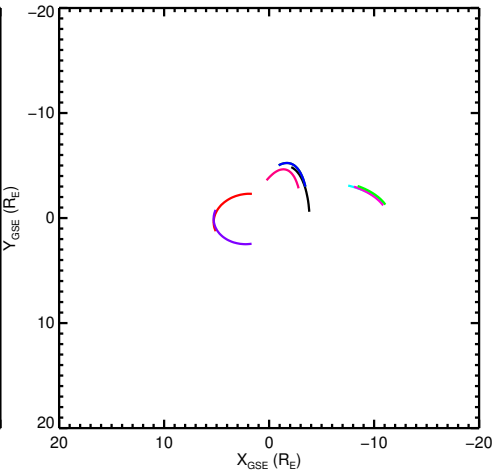
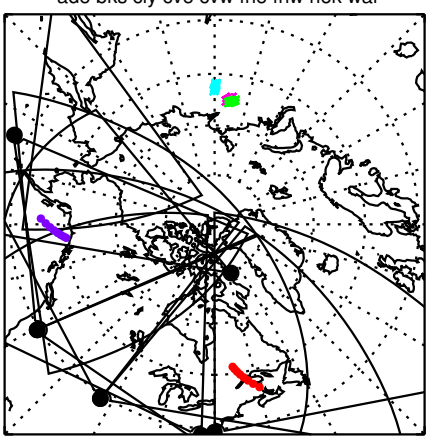
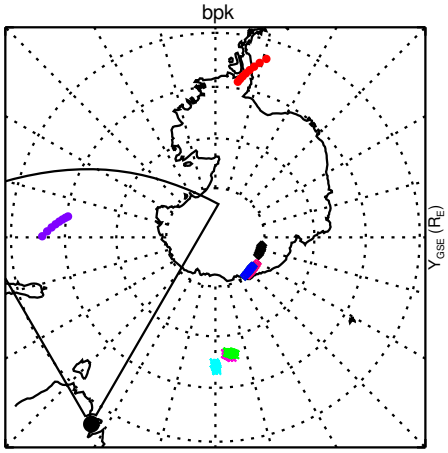


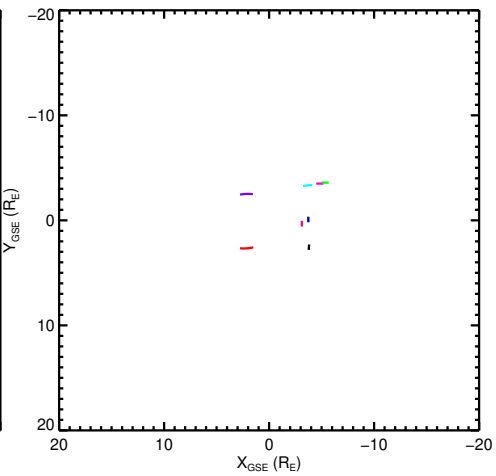


(e) 1905UT to 1940UT
ade bks cly cve cvw fhe fhw hok wal

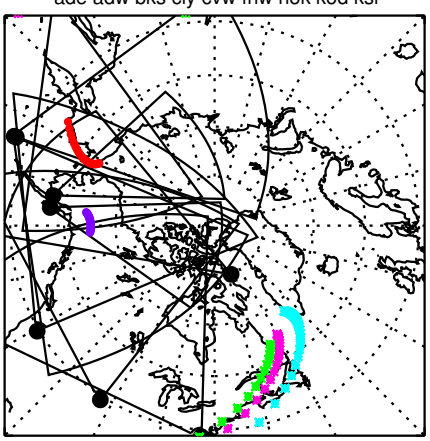


bpk

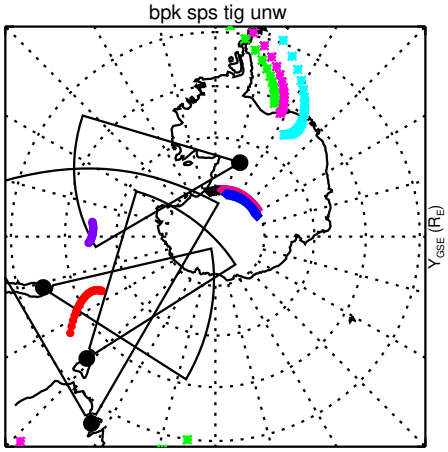


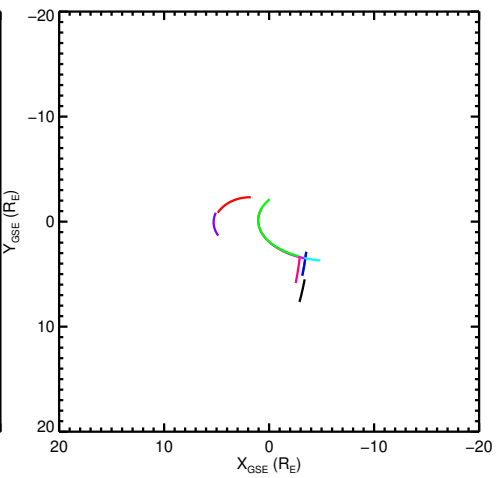


(f) 2145UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw

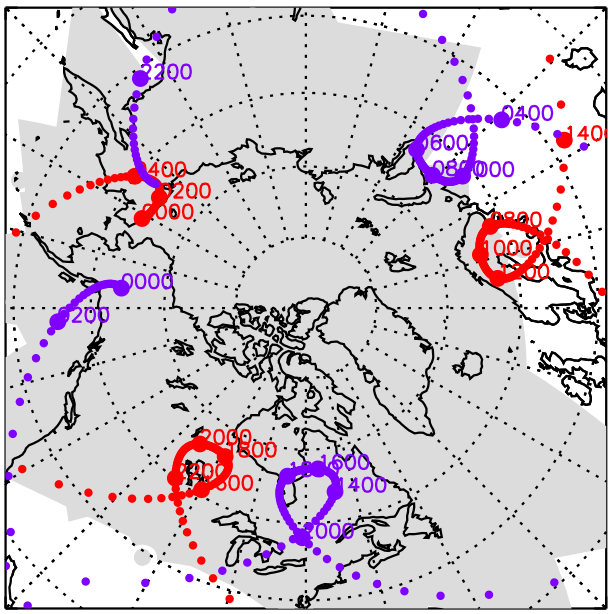


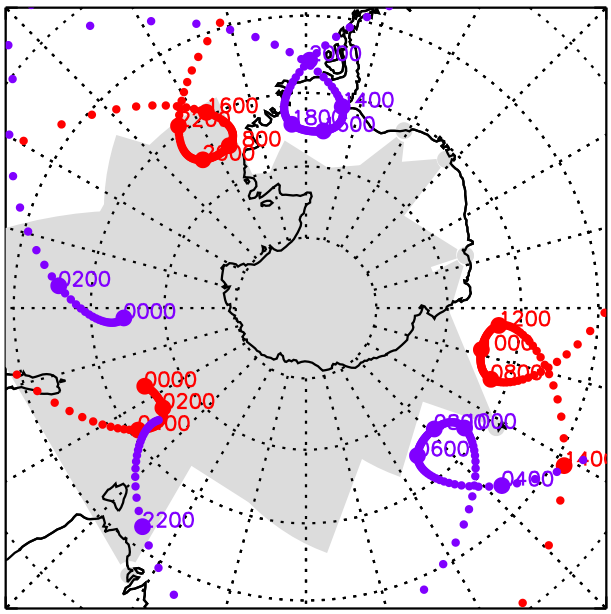


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

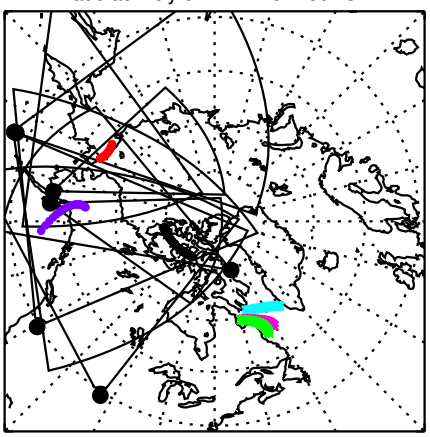
13–Dec–2015

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

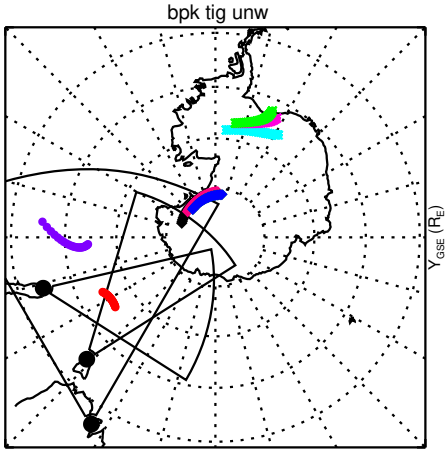


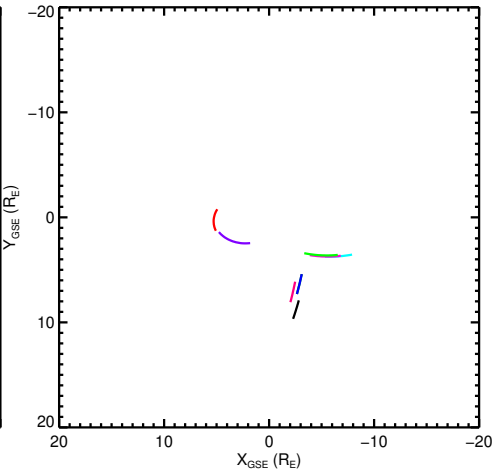


(a) 0000UT to 0200UT
ade adw cly cvw fhw hok kod ksr

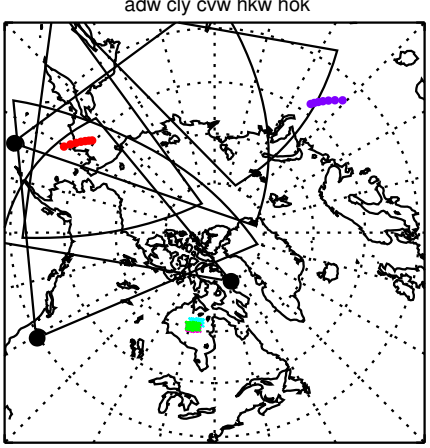


bpk tig unw

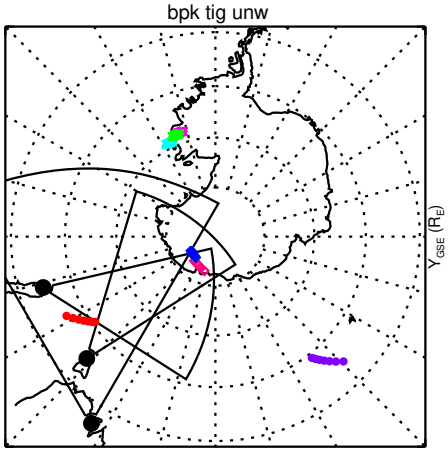


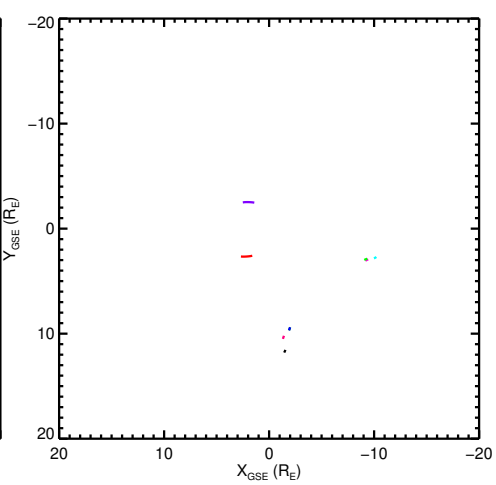


(b) 0405UT to 0435UT
adw cly cvw hkw hok

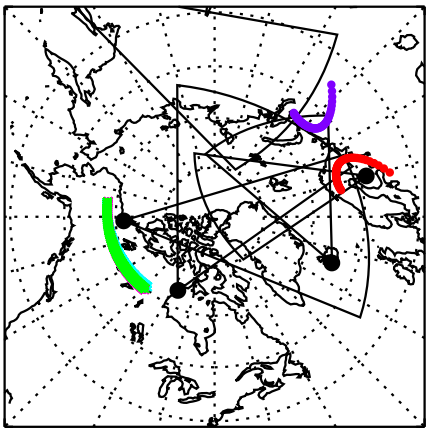


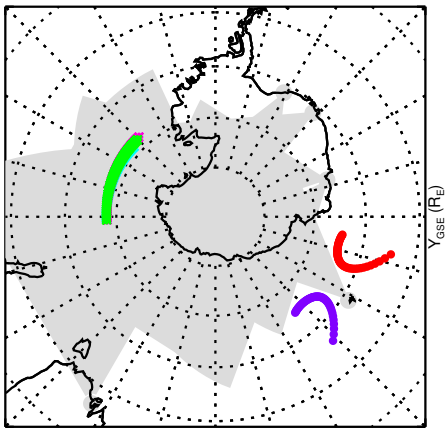
bpk tig unw

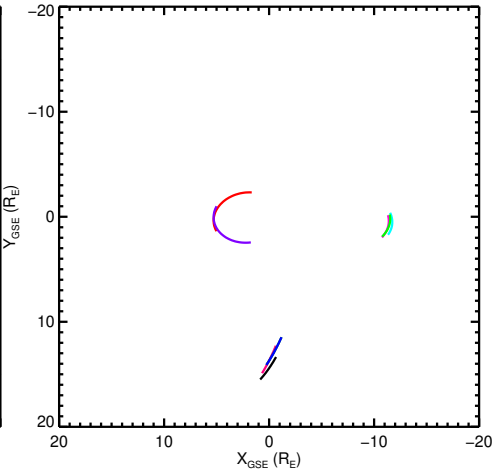




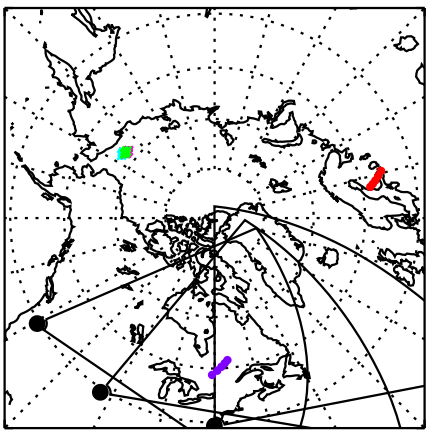
(c) 0640UT to 1105UT
han hkw inv pyk rkn

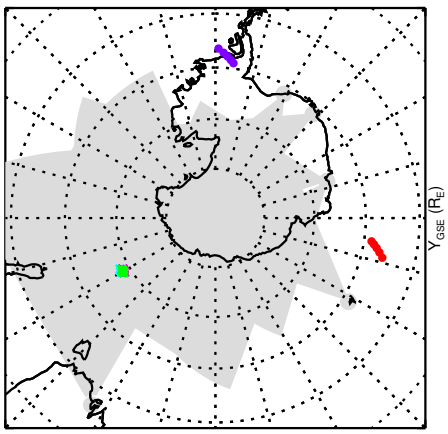


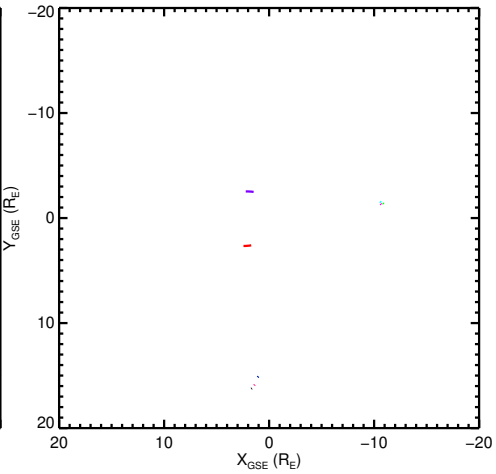




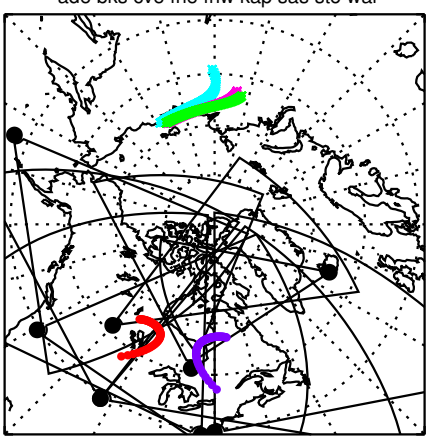
(d) 1310UT to 1330UT
cve fhe wal



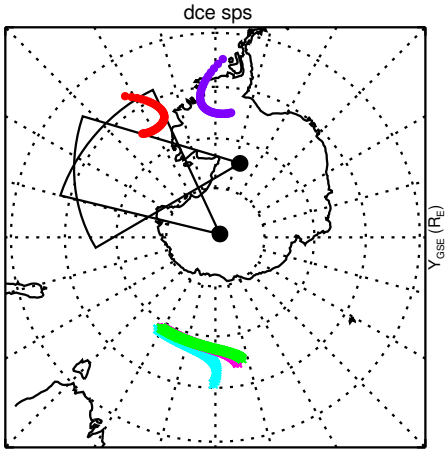


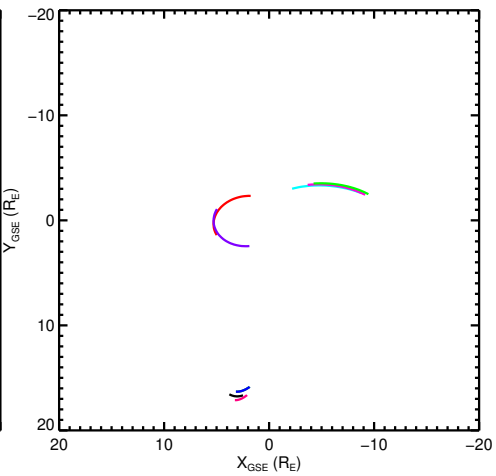


(e) 1540UT to 2005UT
ade bks cve fhe fhw kap sas sto wal

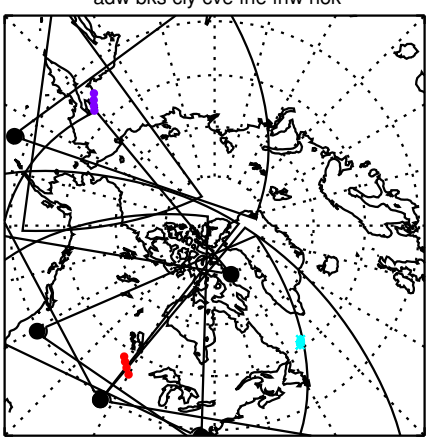


dce sps

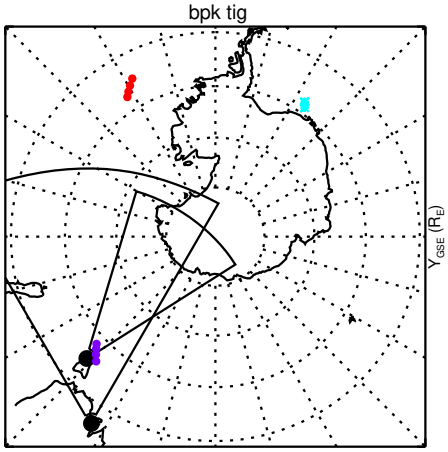


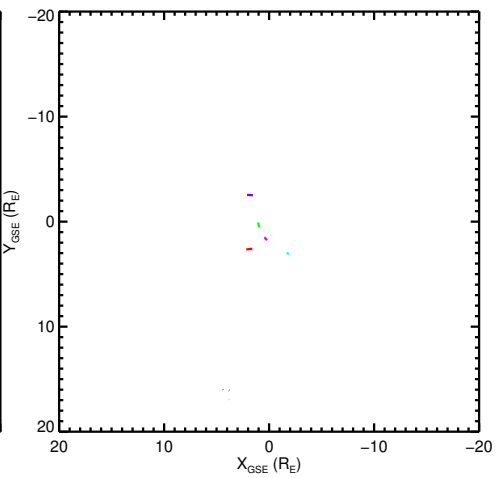


(f) 2215UT to 2230UT
adw bks cly cve fhe fhw hok



bpk tig

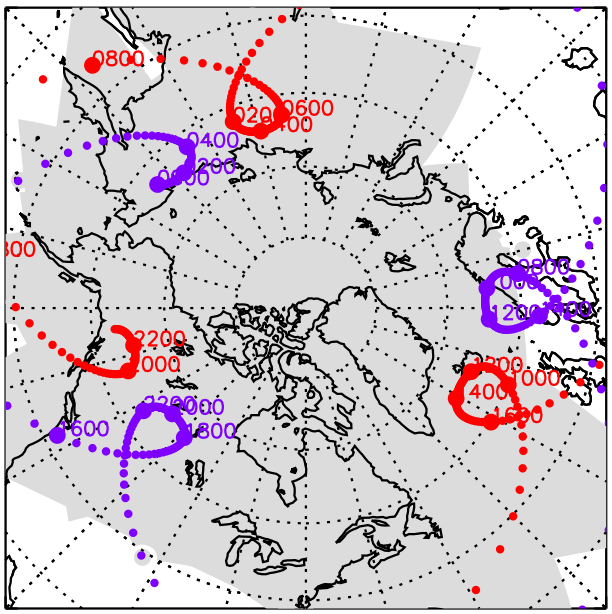


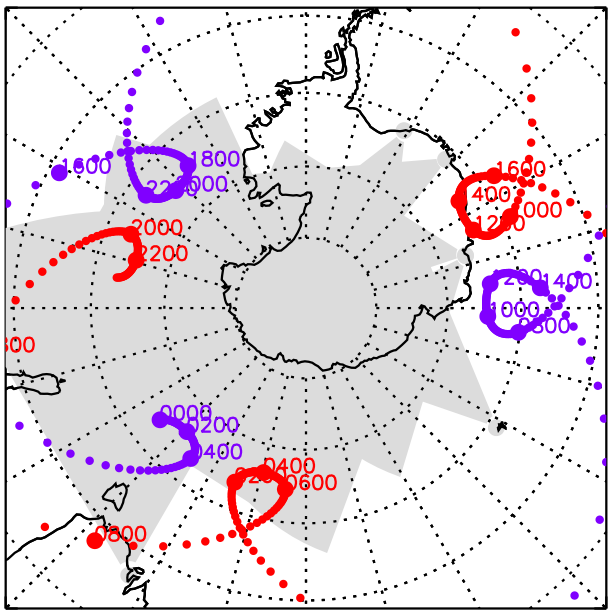


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

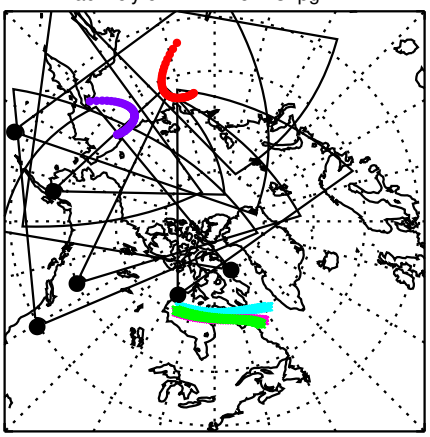
14–Dec–2015

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

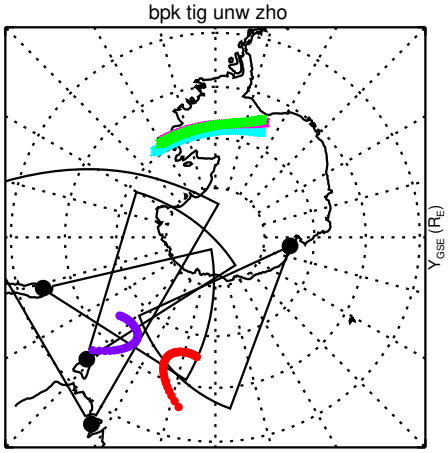


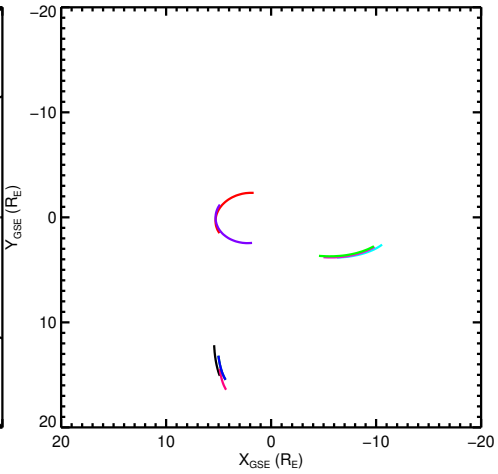


(a) 0035UT to 0510UT
adw cly cvw hkw hok ksr pgr rkn

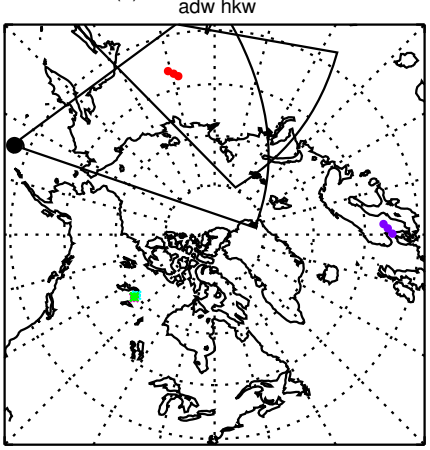


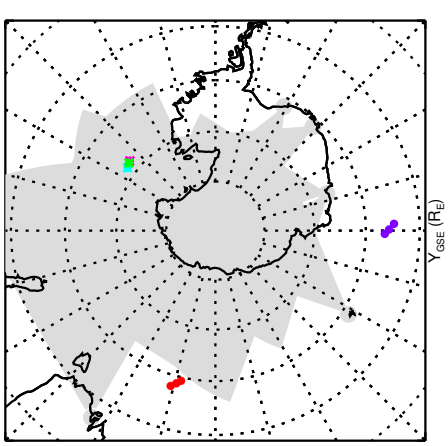
bpk tig unw zho

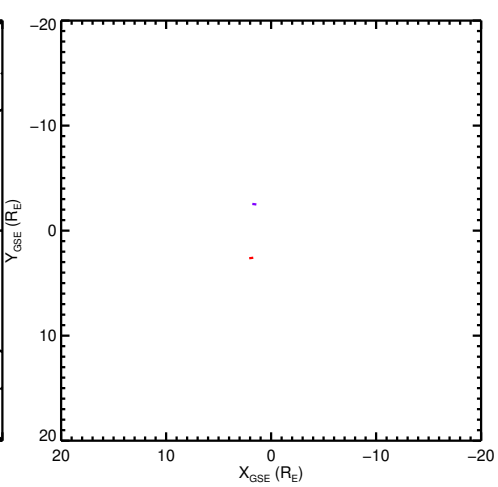




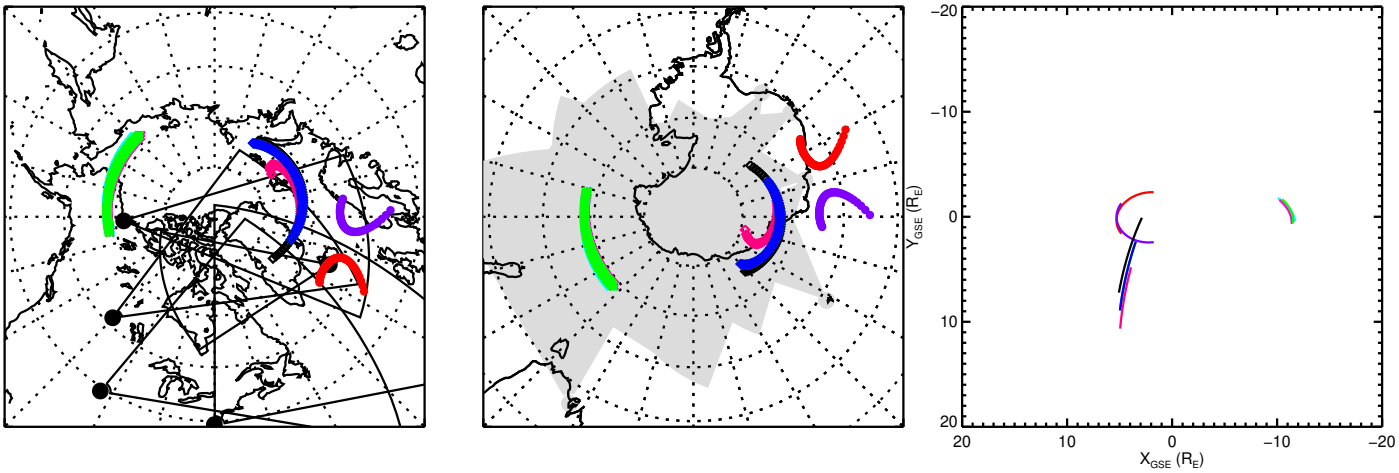
(b) 0715UT to 0725UT
adw hkw





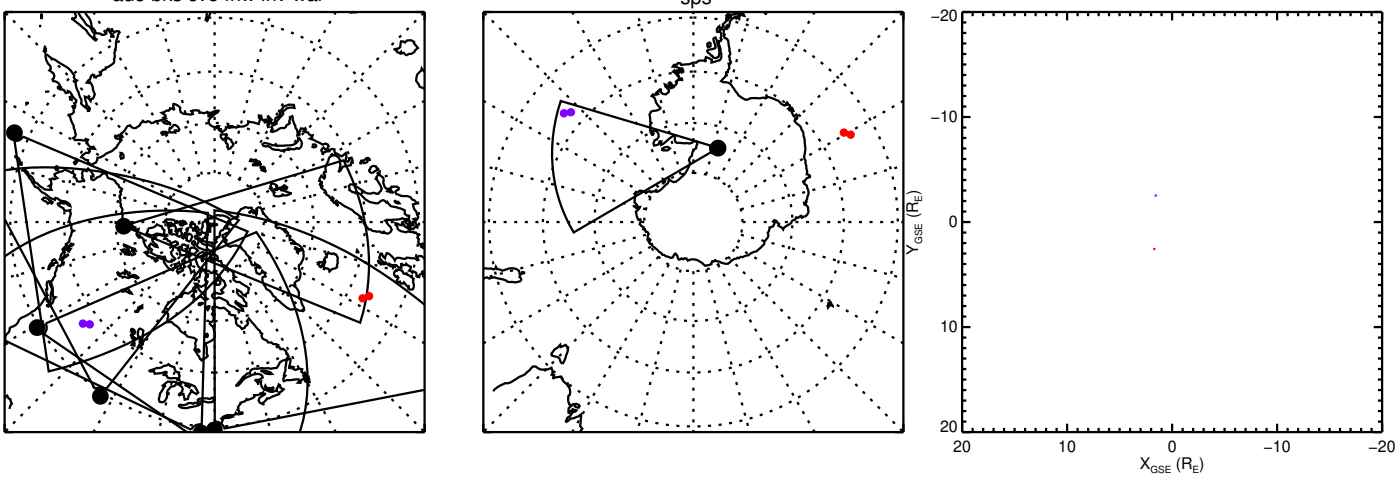


(c) 0935UT to 1415UT
fhe inv sas sto wal



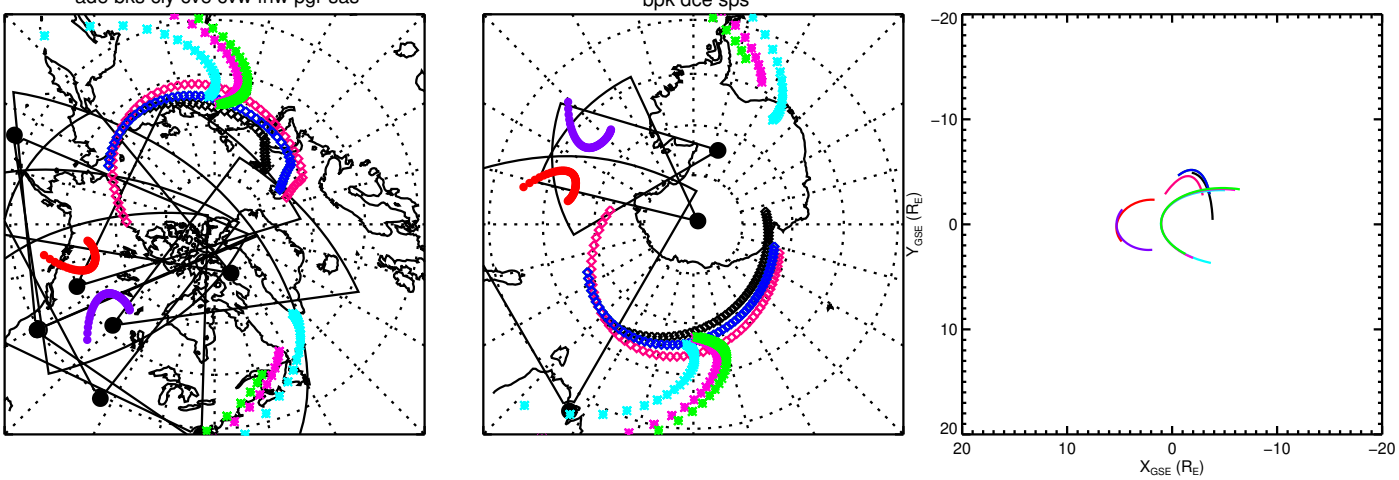
(d) 1620UT to 1625UT
ade bks cve fhw inv wal

sps



(e) 1830UT to 2315UT
ade bks cly cve cvw fhw pgr sas

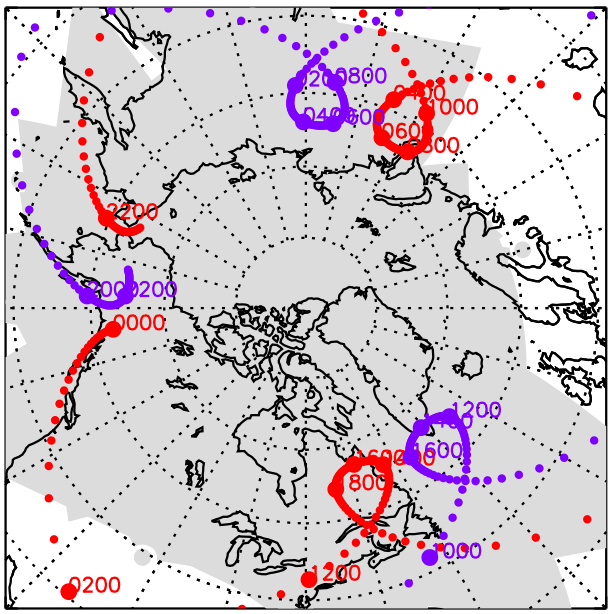
bpk dce sps

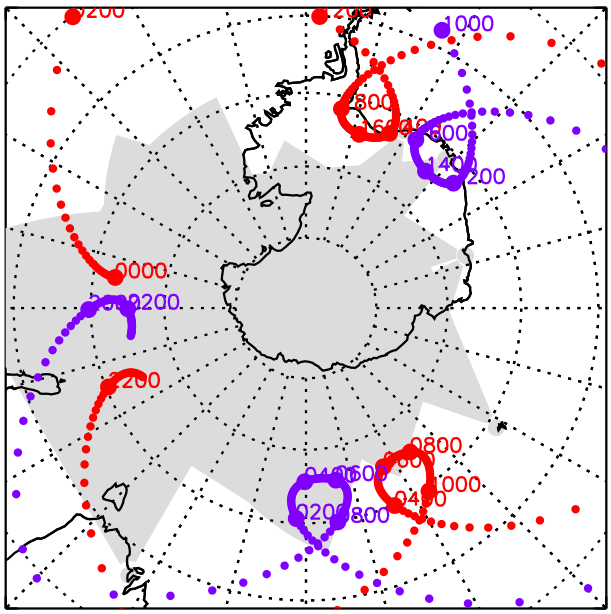


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

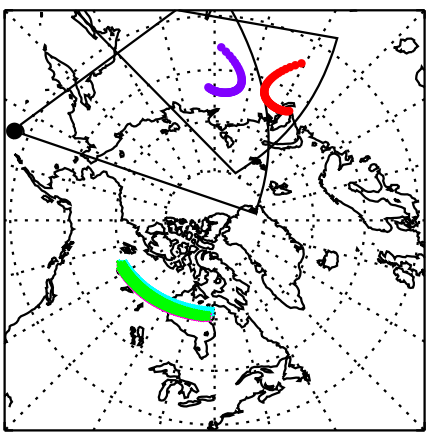
15–Dec–2015

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

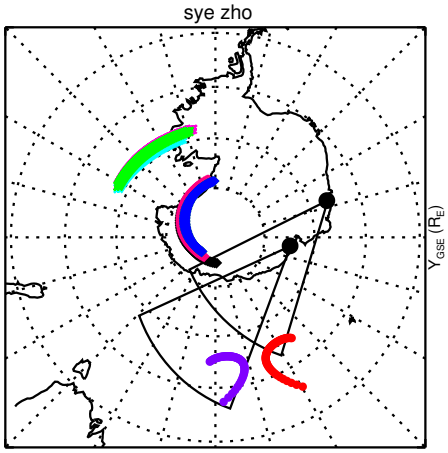


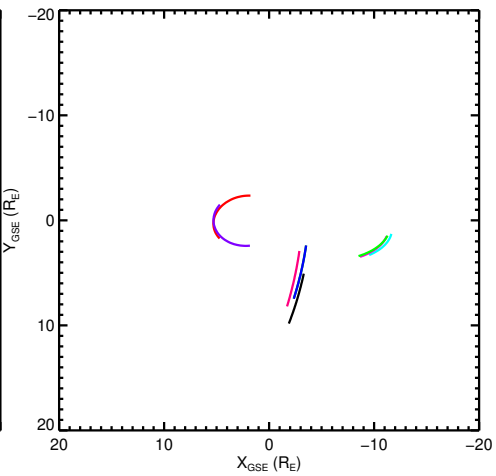


(a) 0330UT to 0820UT
adw hkw

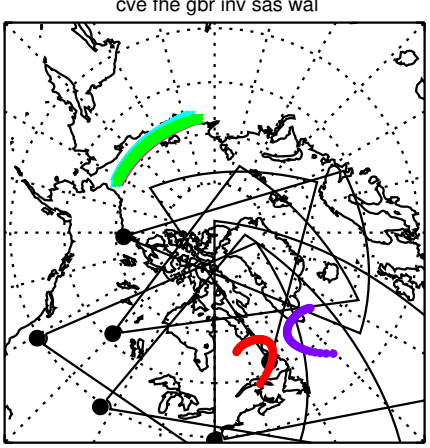


sye zho

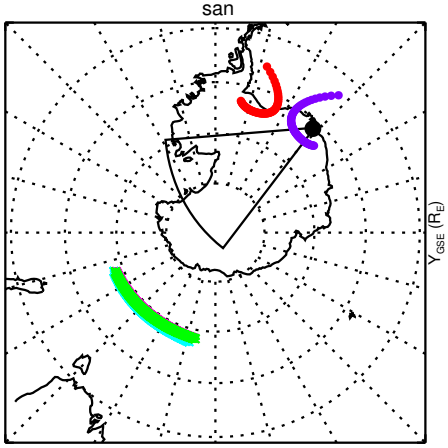


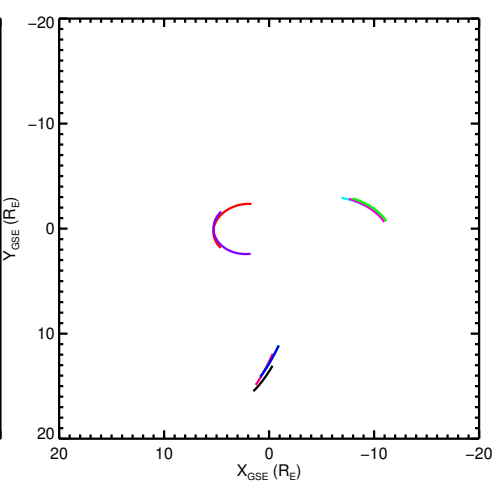


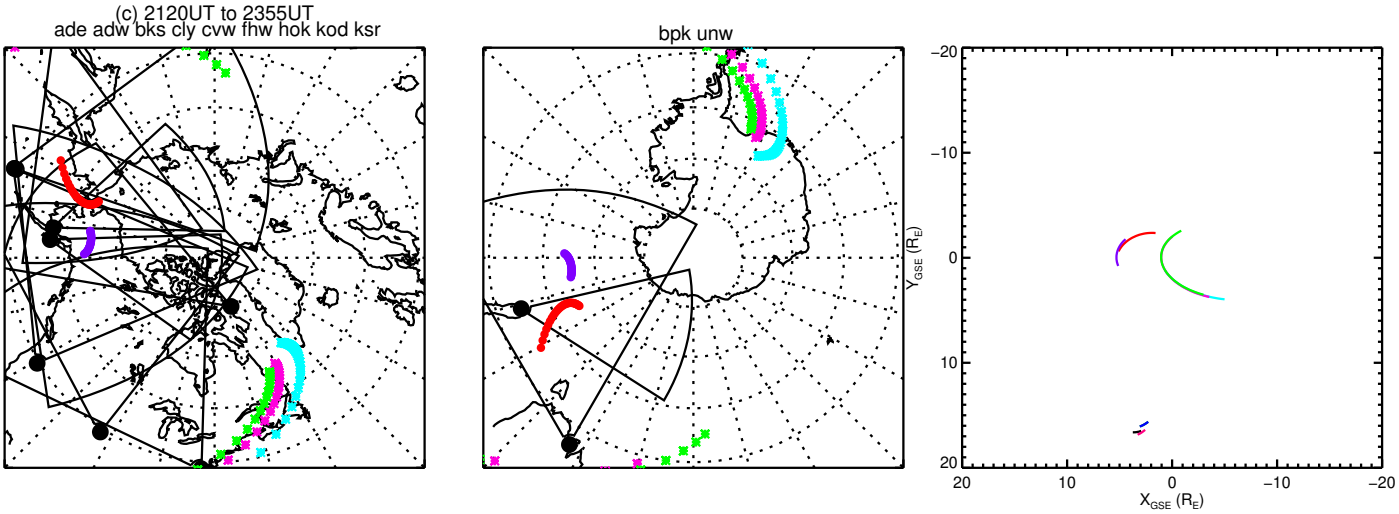
(b) 1225UT to 1725UT
cve fhe gbr inv sas wal



san



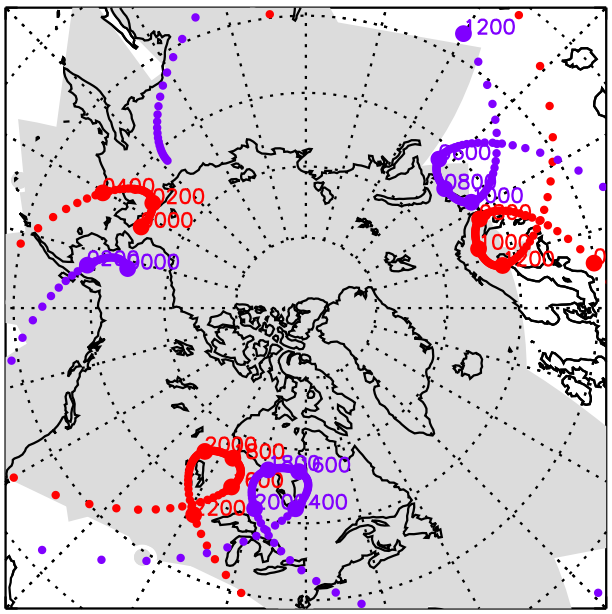


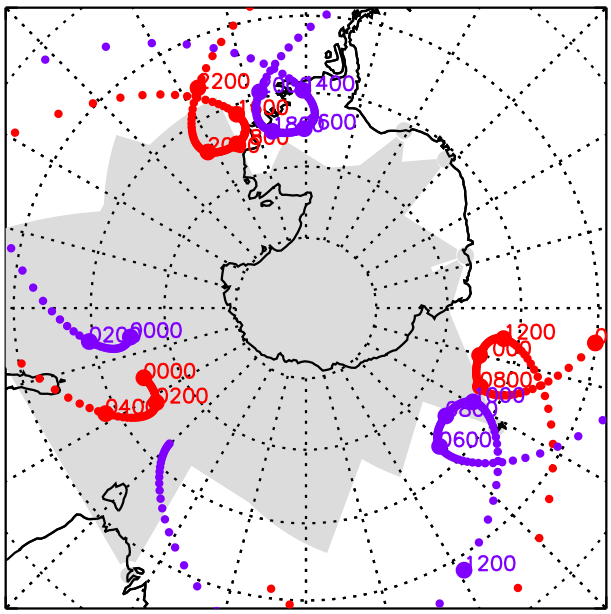

(c) 2120UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr
bpk unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

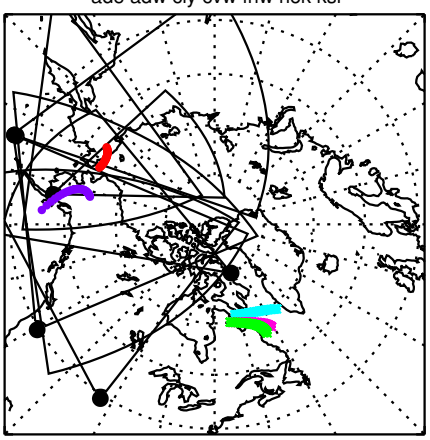
16–Dec–2015

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

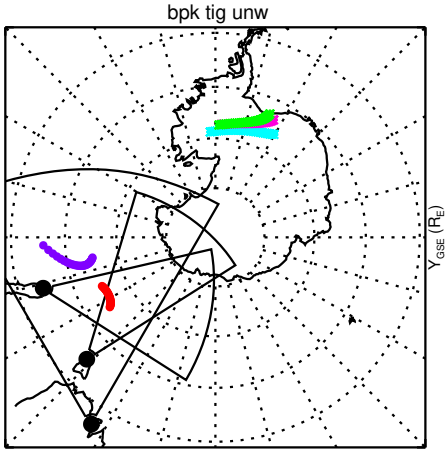


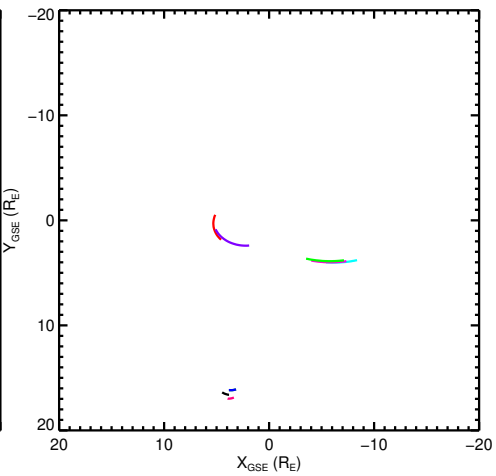


(a) 0000UT to 0225UT
ade adw cly cvw fhw hok ksr

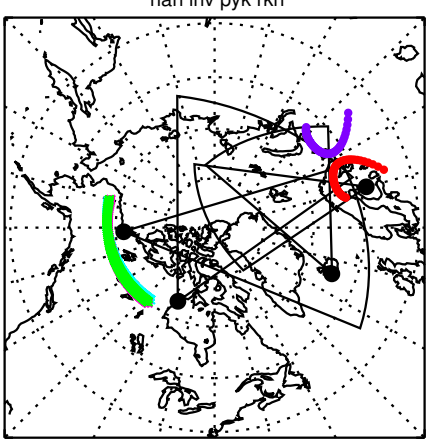


bpk tig unw

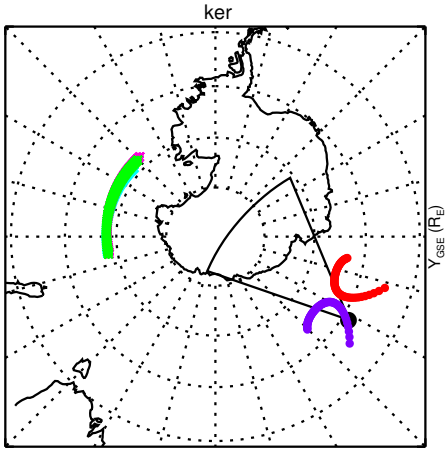


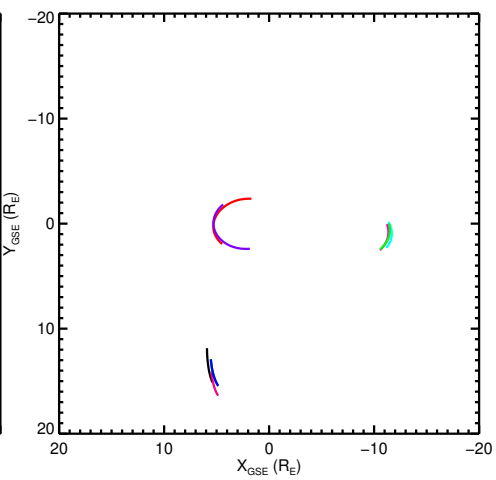


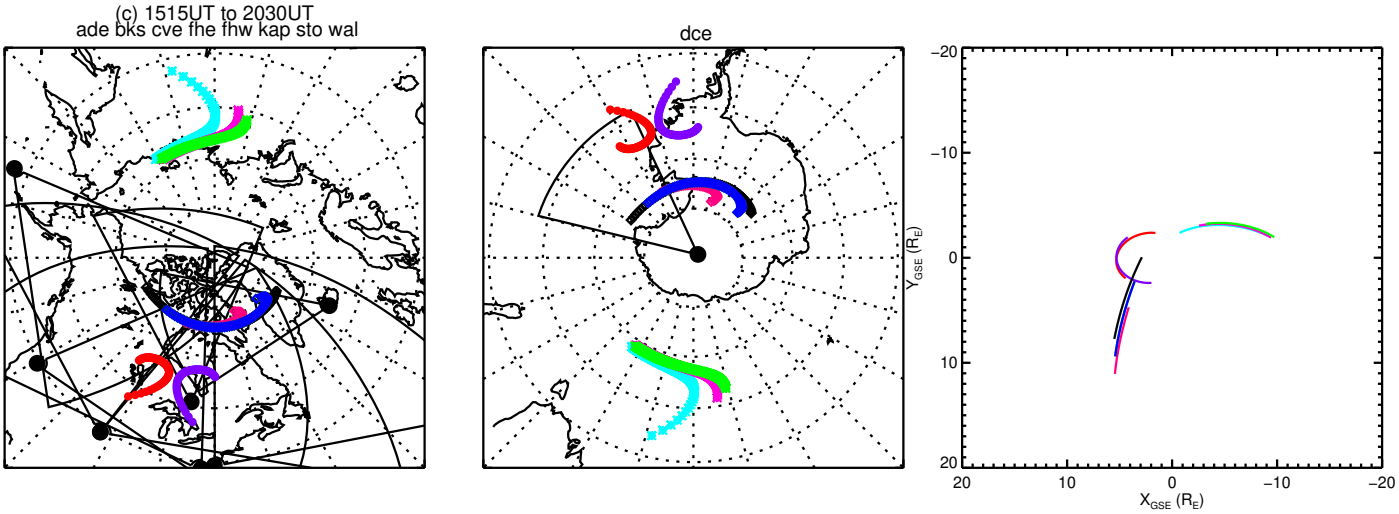
(b) 0620UT to 1130UT
han inv pyk rkn



ker



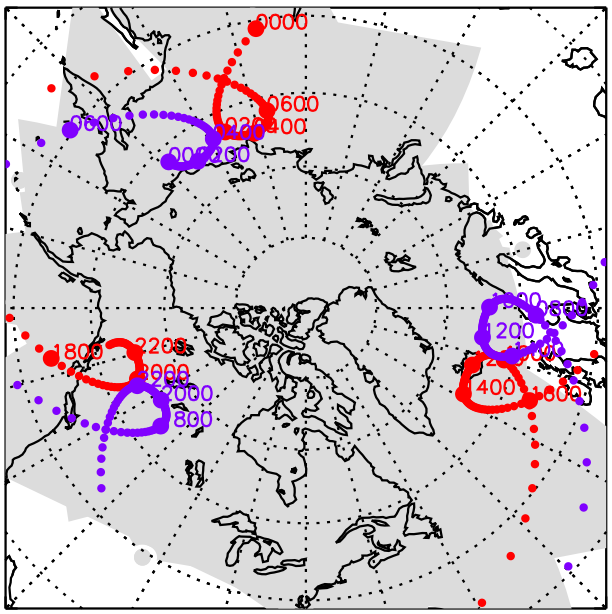


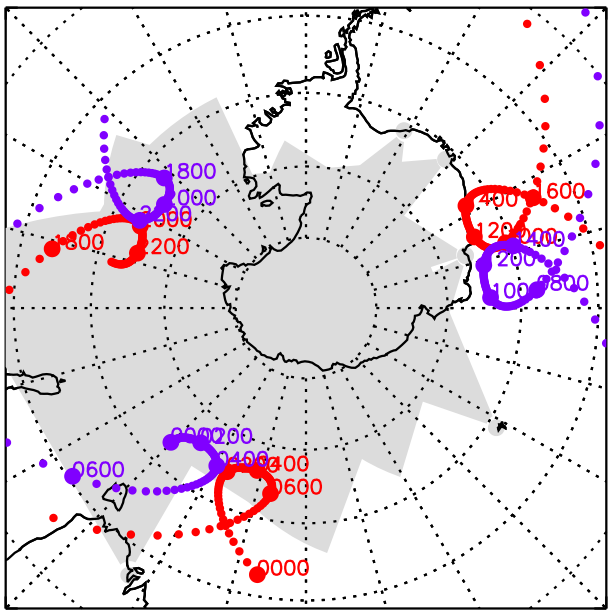

(c) 1515UT to 2030UT
ade bks cve fhe fhw kap sto wal
dce
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

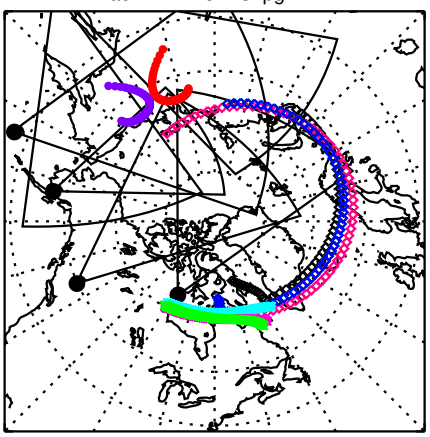
17–Dec–2015

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

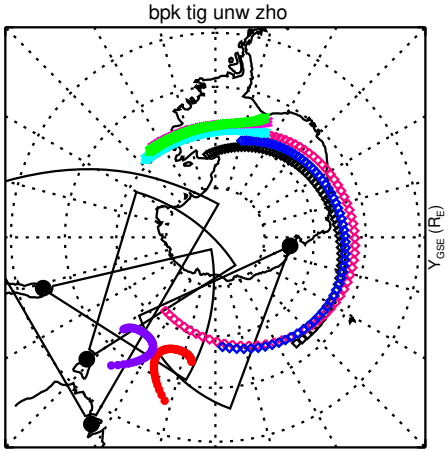


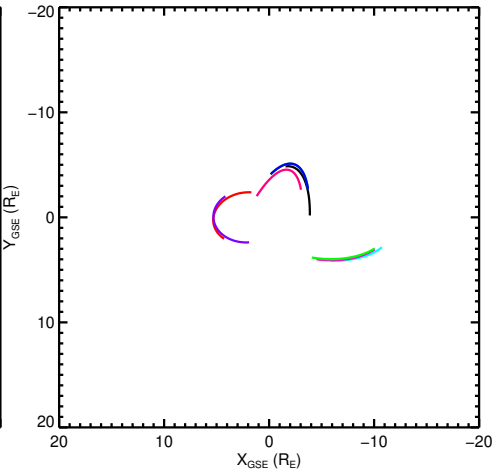


(a) 0015UT to 0535UT
adw hkw hok ksr pgr rkn

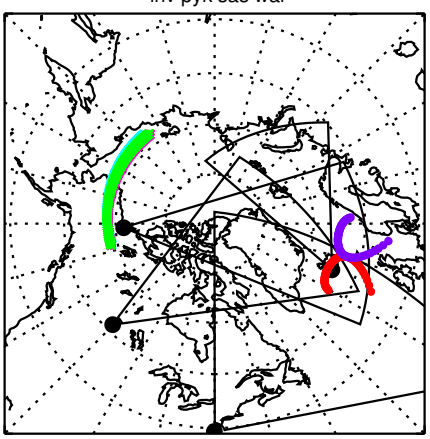


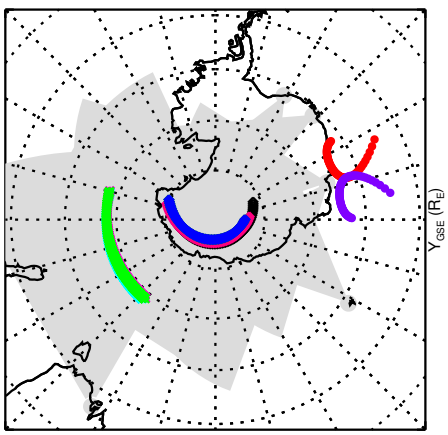
bpk tig unw zho

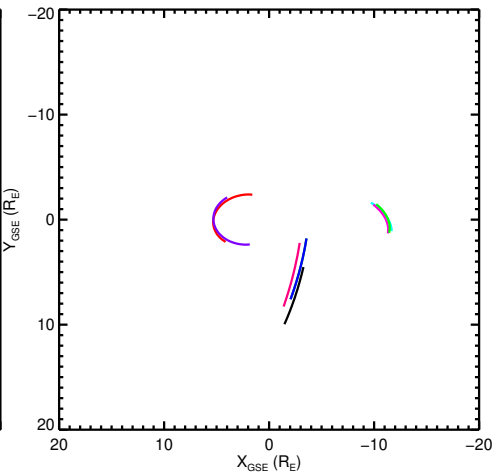


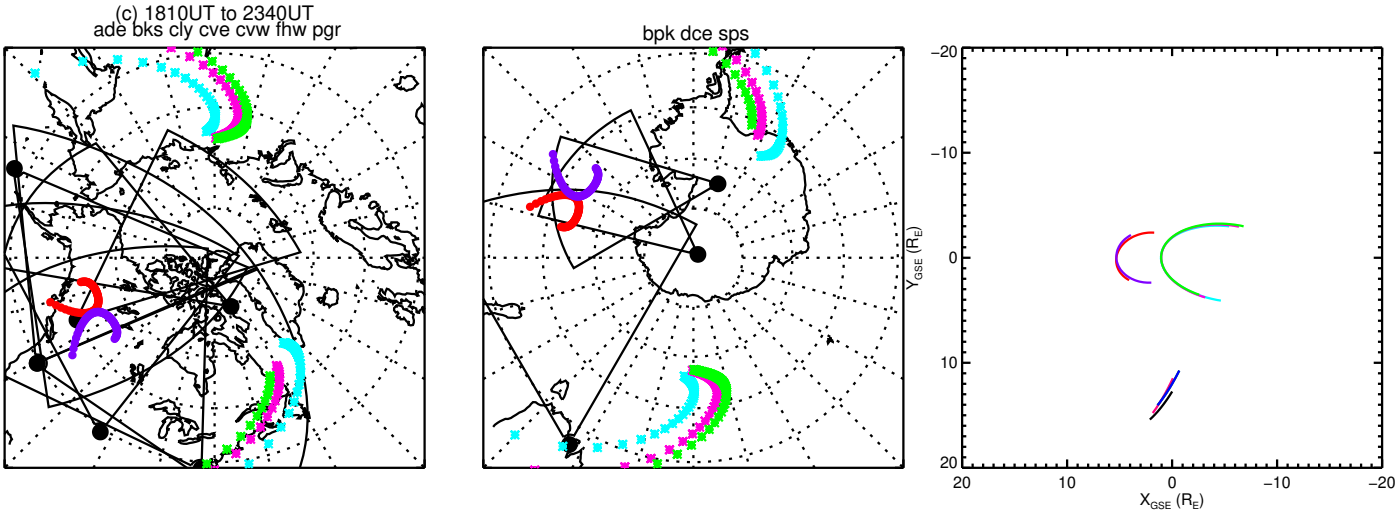


(b) 0910UT to 1440UT
inv pyk sas wal





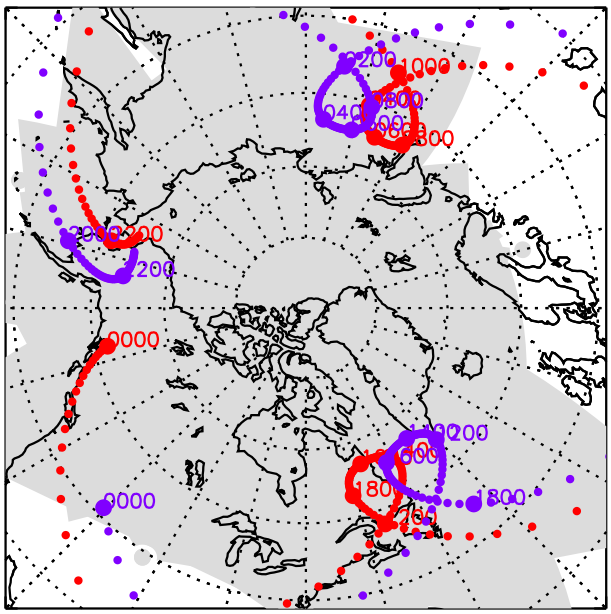


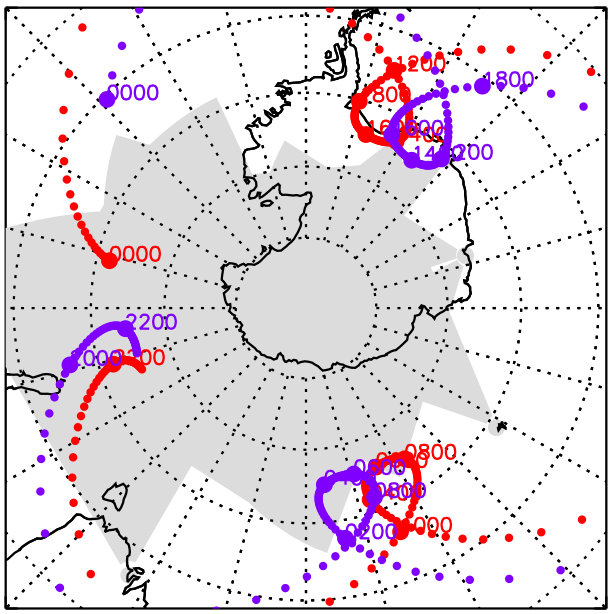

(c) 1810UT to 2340UT
ade bks cly cve cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

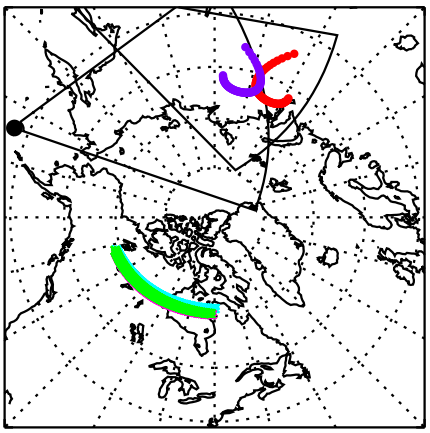
18–Dec–2015

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

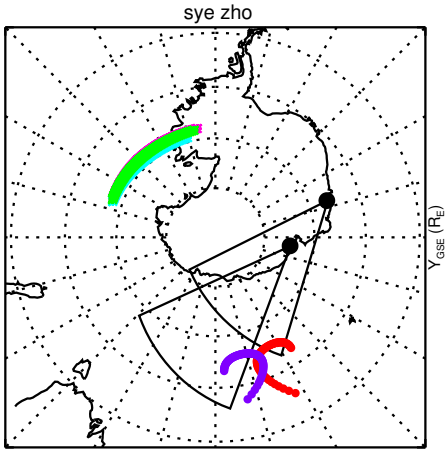


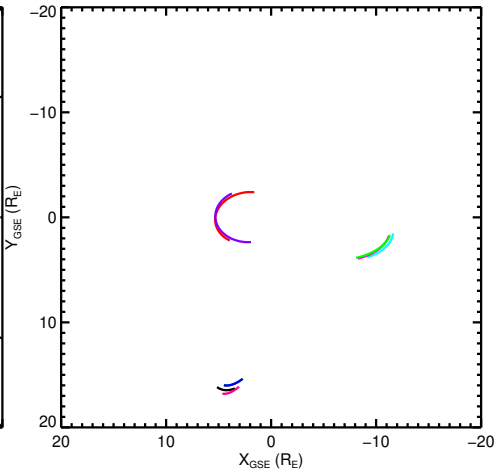


(a) 0305UT to 0845UT
adw hkw

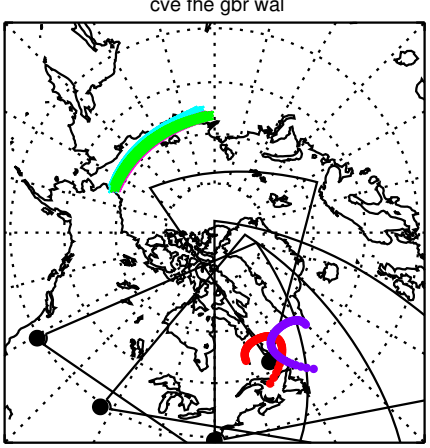


sye zho

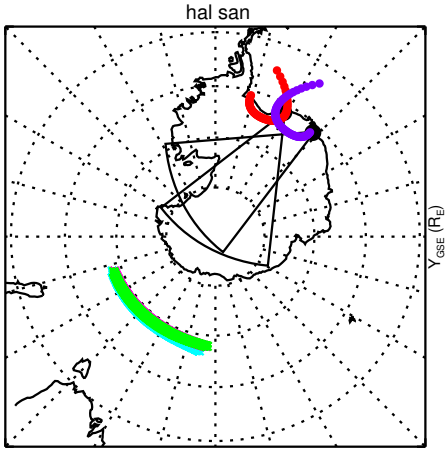


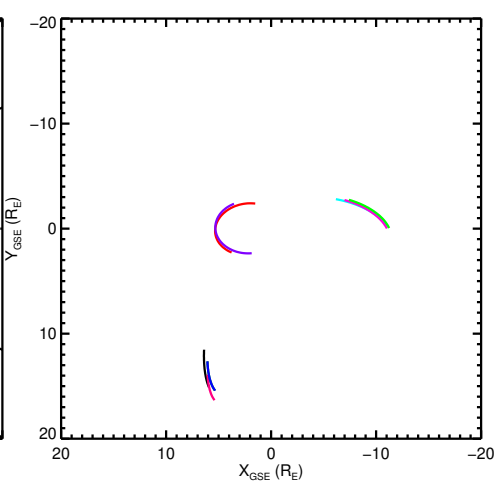


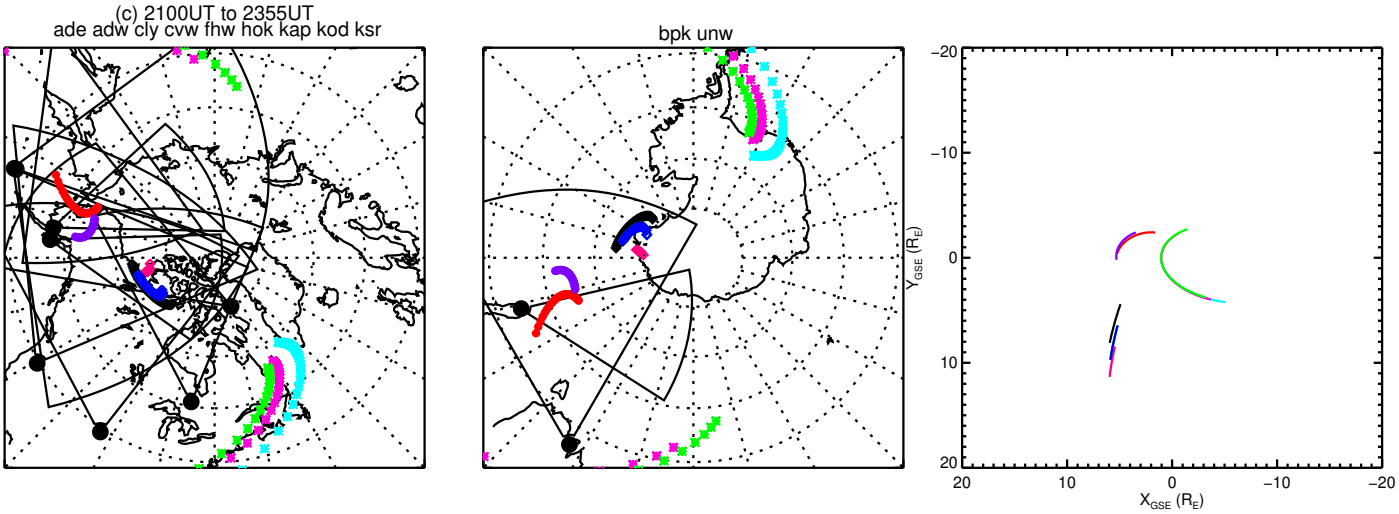
(b) 1200UT to 1750UT
cve fhe gbr wal



hal san



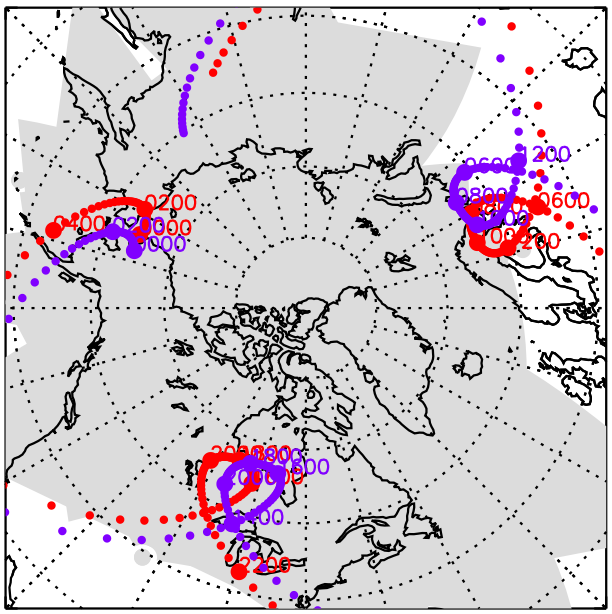


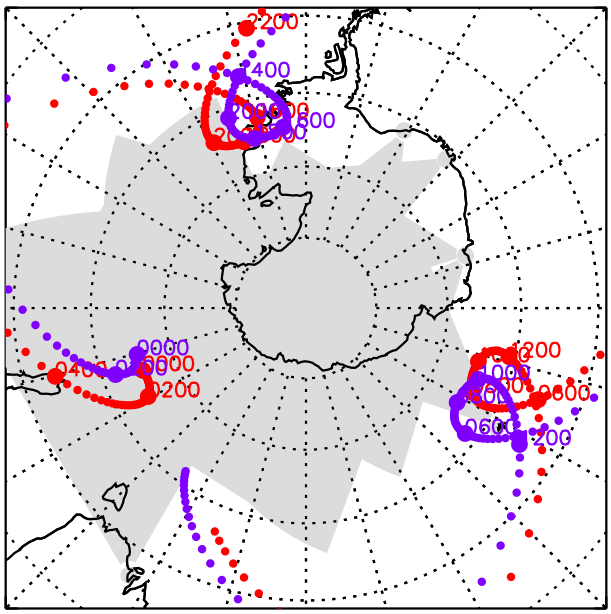

(c) 2100UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr
bpk unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

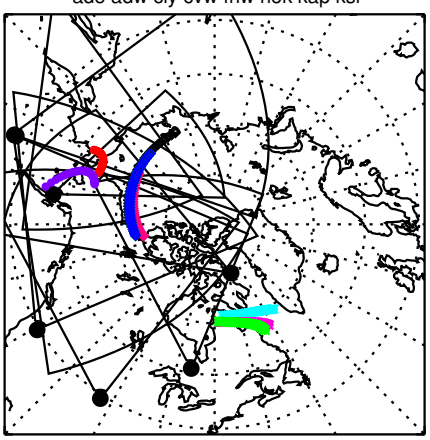
19–Dec–2015

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

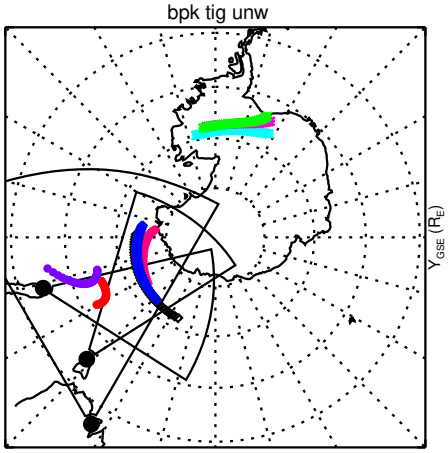


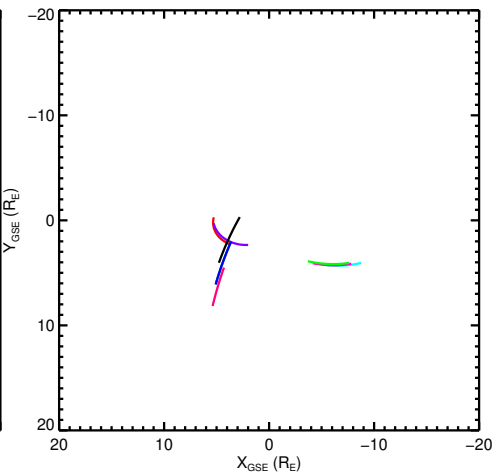


(a) 0000UT to 0250UT
ade adw cly cvw fhw hok kap ksr

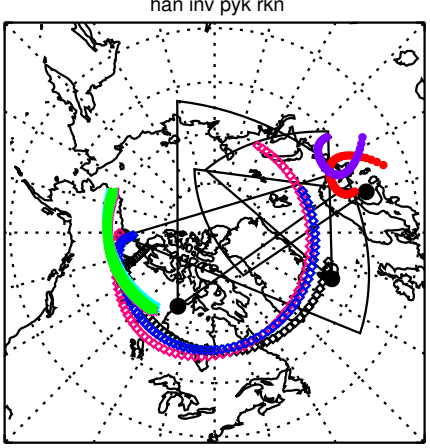


bpk tig unw

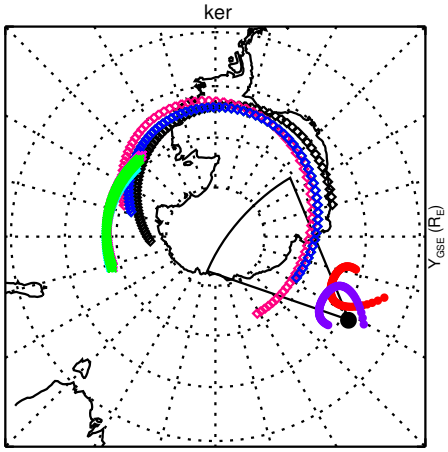


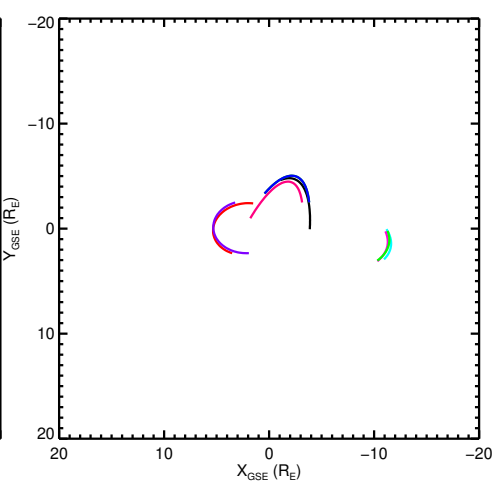


(b) 0555UT to 1155UT
han inv pyk rkn

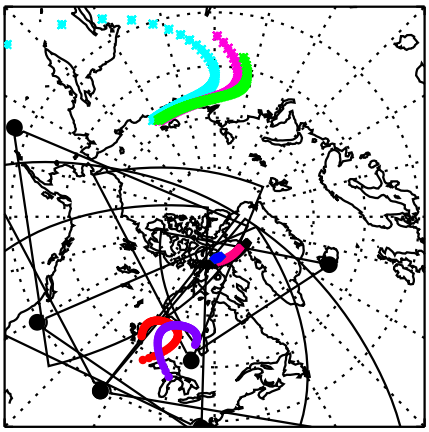


ker

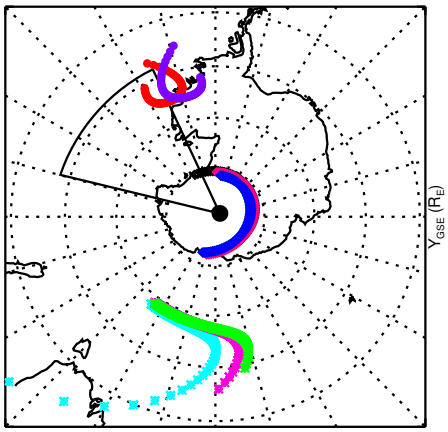


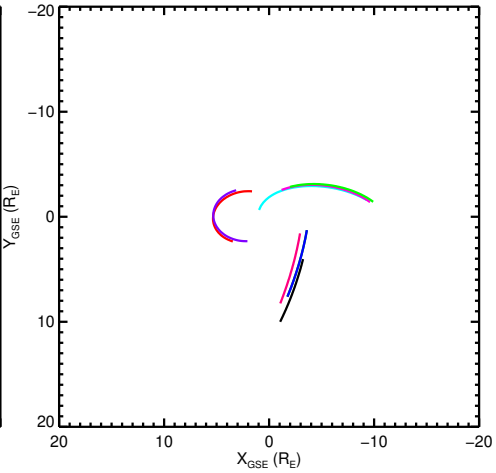


(c) 1455UT to 2055UT
ade bks cve fhe fhw kap sto

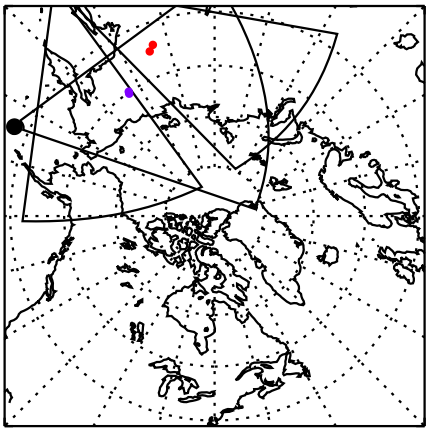


dce

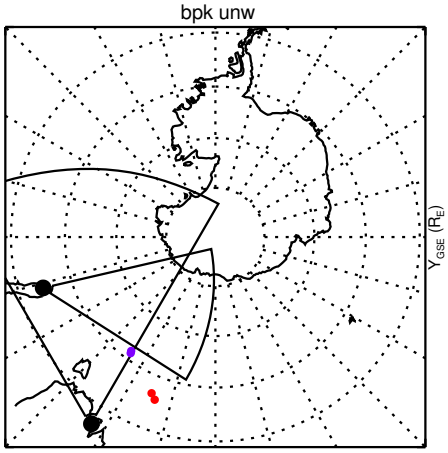


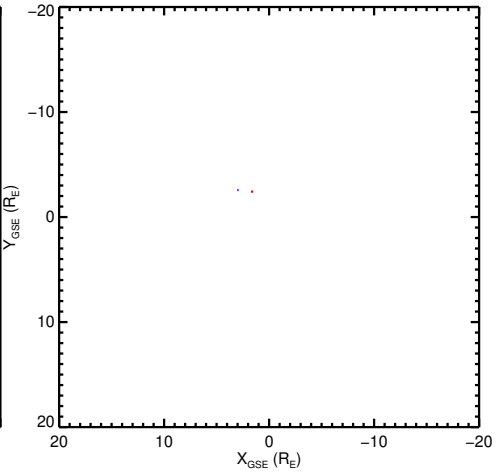


(d) 2350UT to 2355UT
adw hkw hok



bpk unw

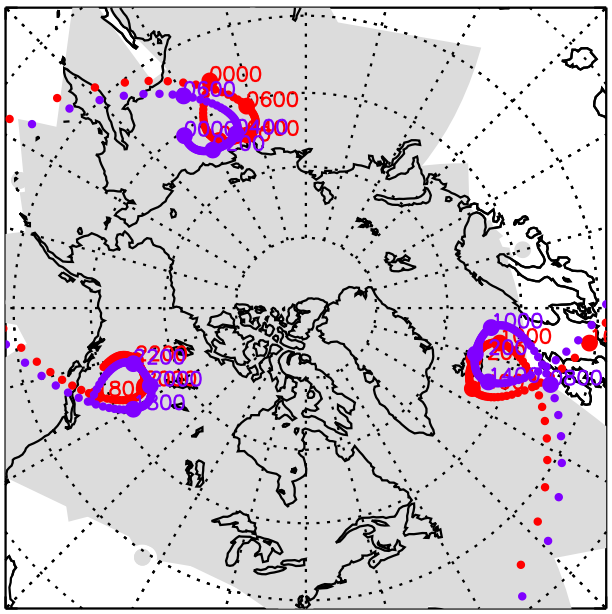


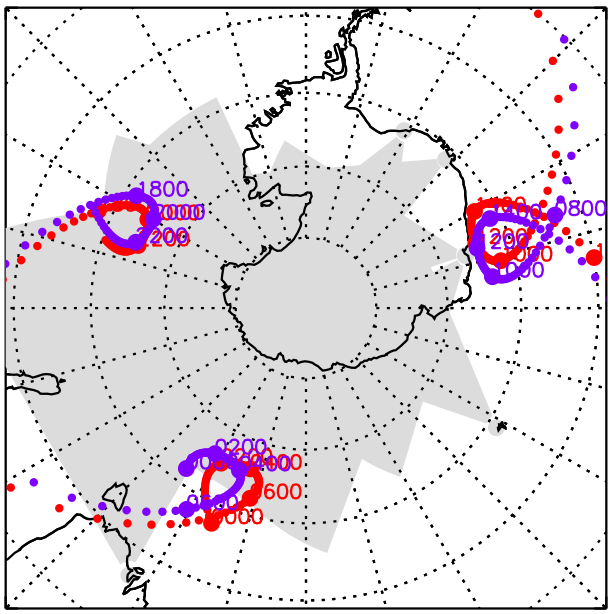


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

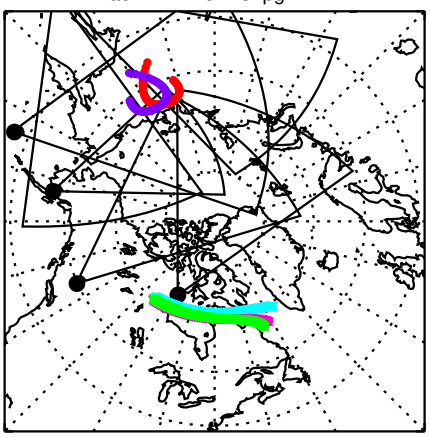
20–Dec–2015

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

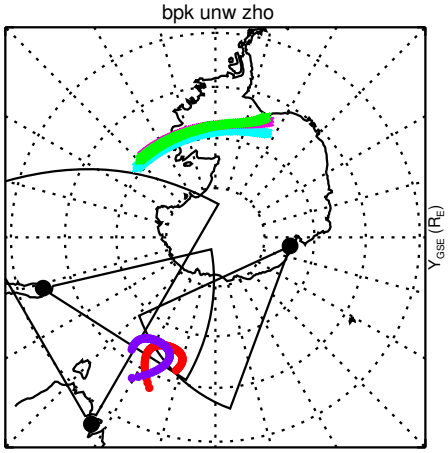


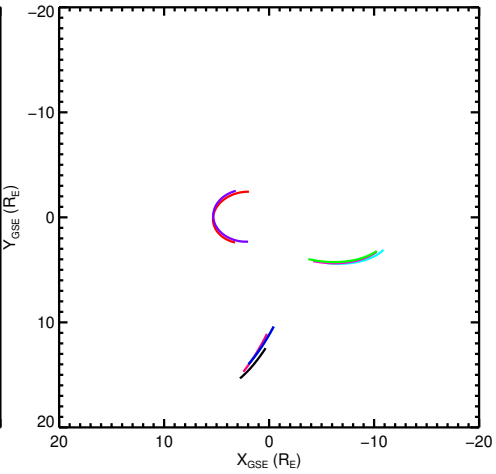


(a) 0000UT to 0600UT
adw hkw hok ksr pgr rkn

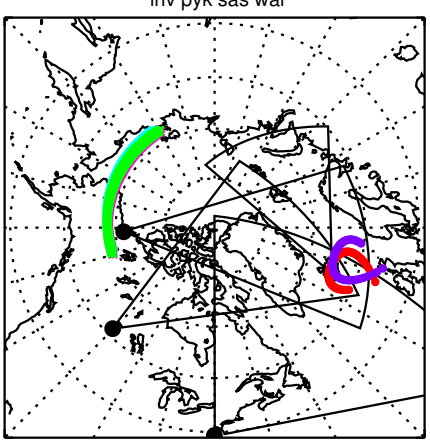


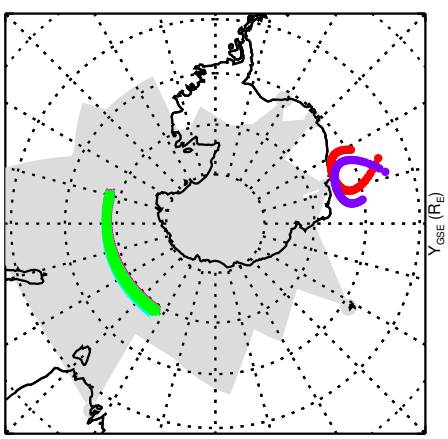
bpk unw zho

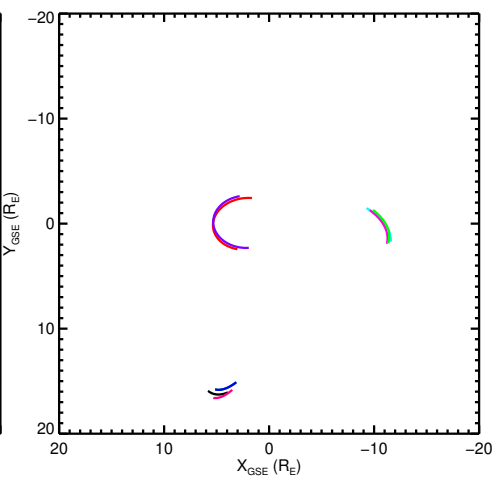


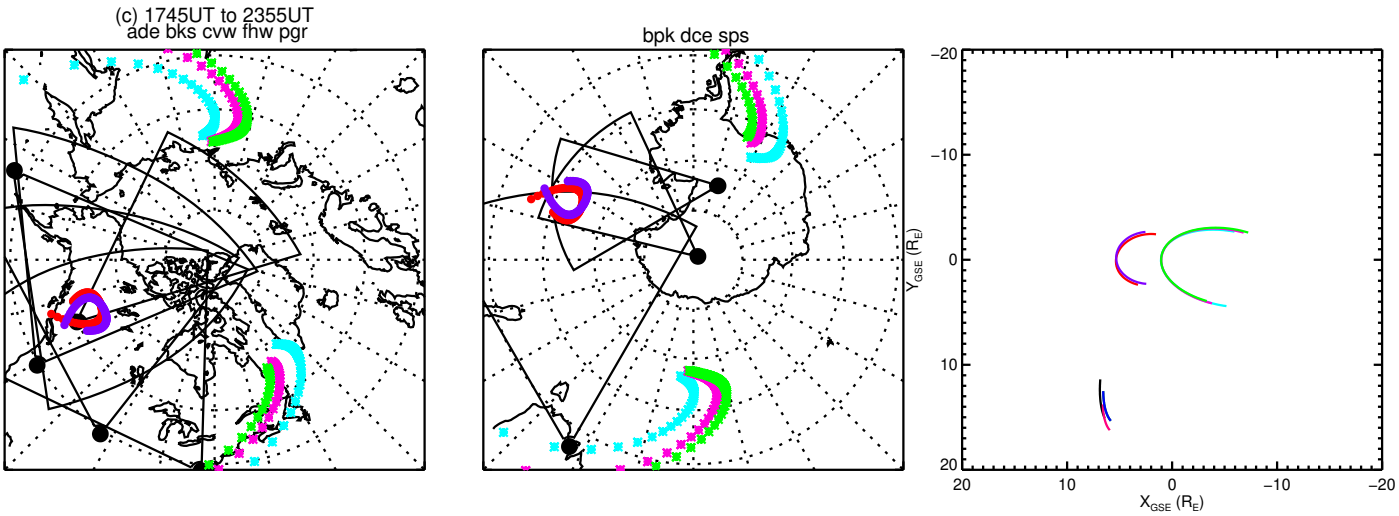


(b) 0850UT to 1505UT
inv pyk sas wal





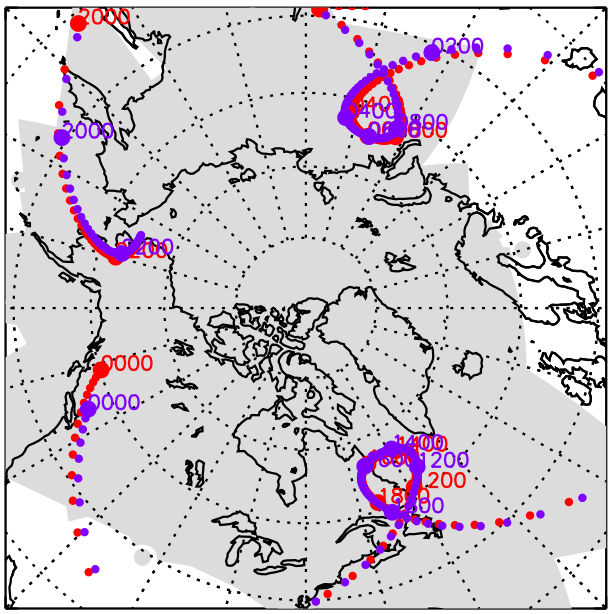


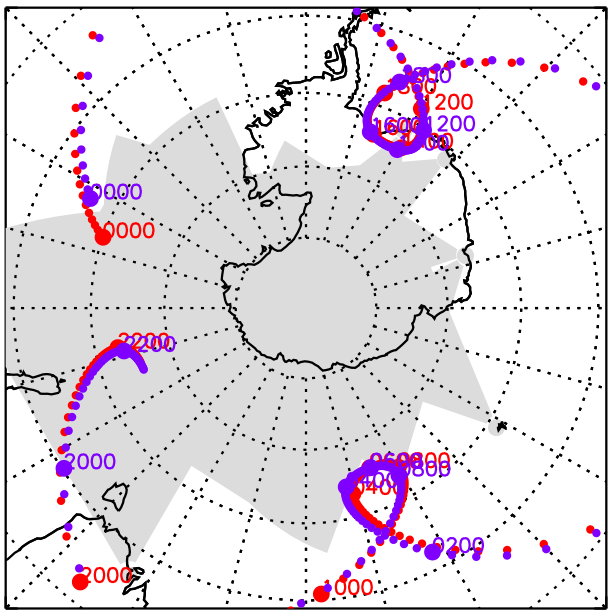

(c) 1745UT to 2355UT
ade bks cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

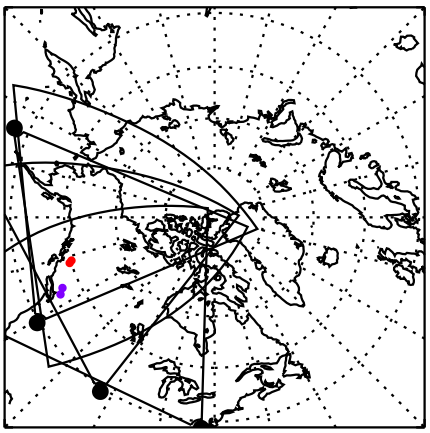
21−Dec−2015

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

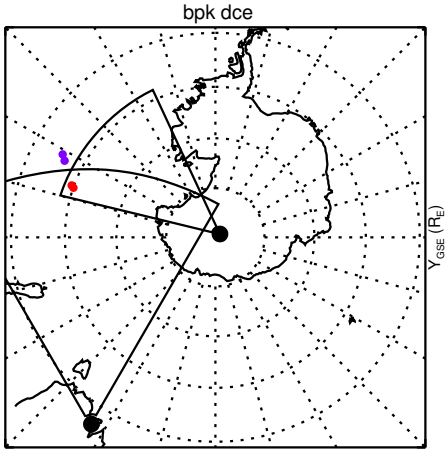


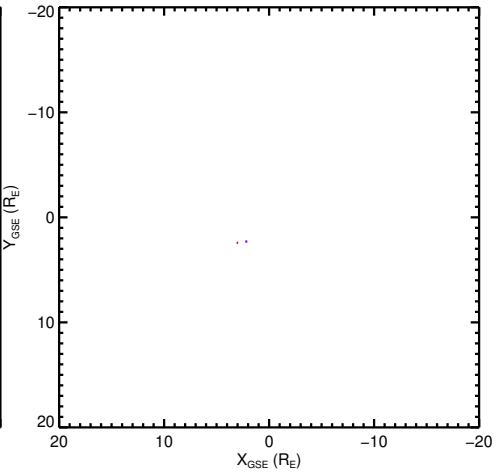


(a) 0000UT to 0005UT
ade bks cvw fhw

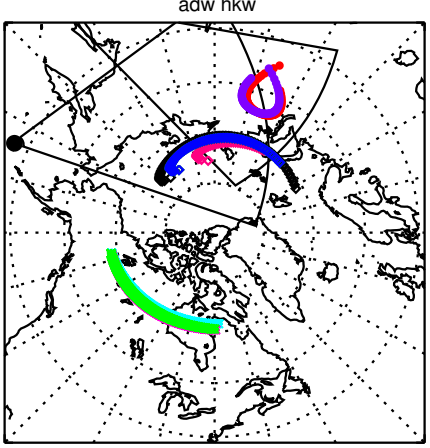


bpk dce

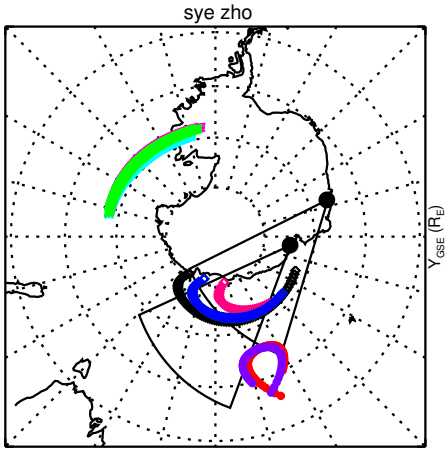


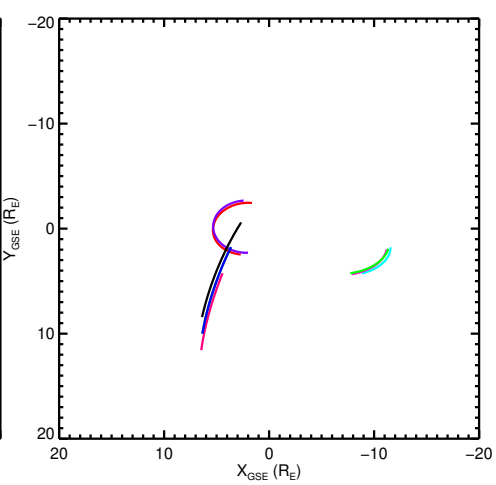


(b) 0245UT to 0910UT
adw hkw

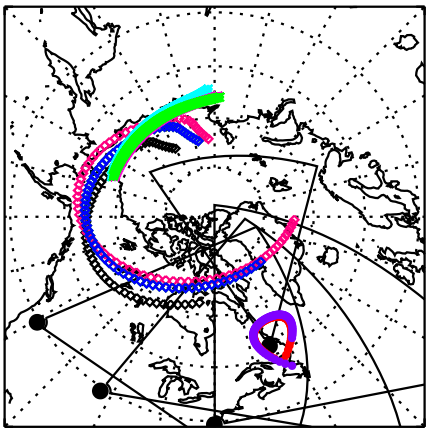


sye zho

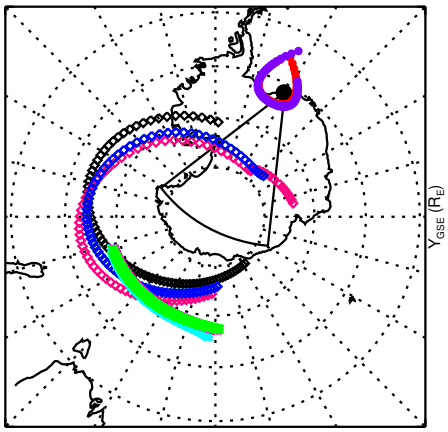


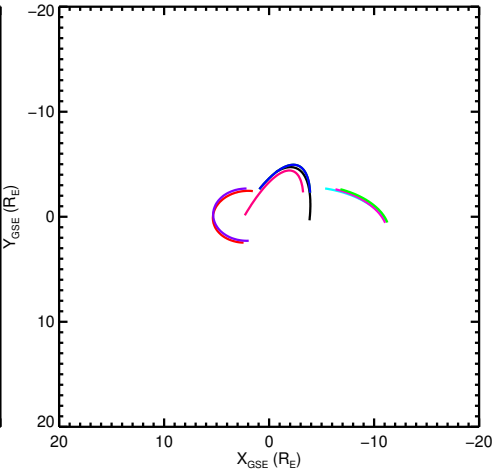


(c) 1140UT to 1815UT
cve fhe gbr wal

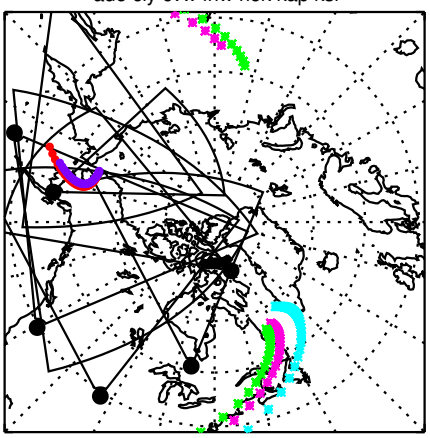


hal

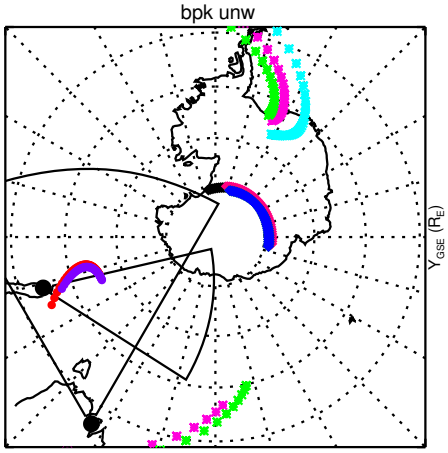


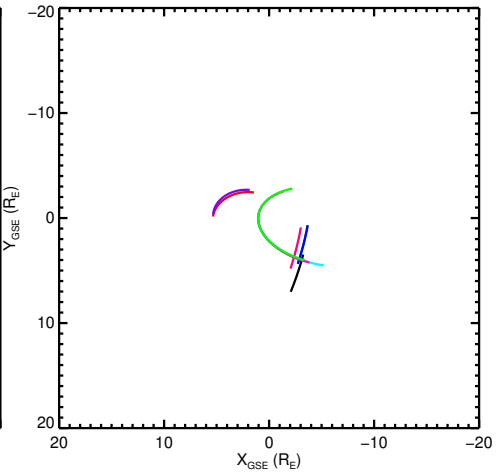


(d) 2035UT to 2355UT
ade cly cvw fhw hok kap ksr



bpk unw

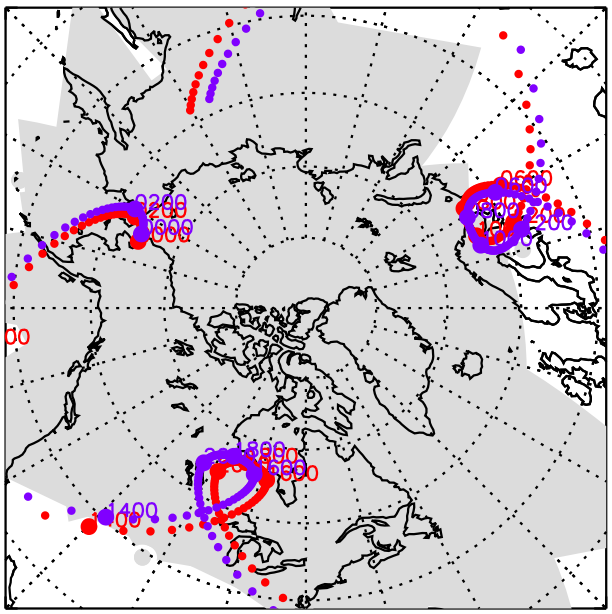


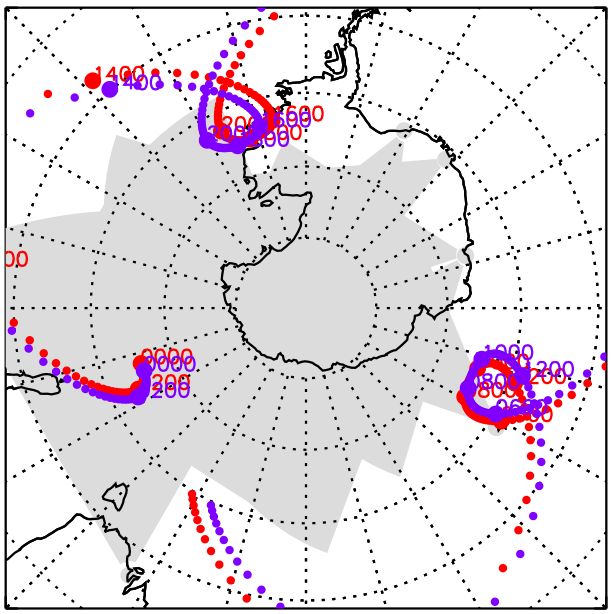


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

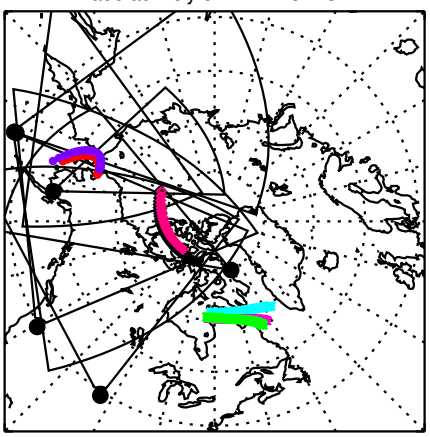
22–Dec–2015

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

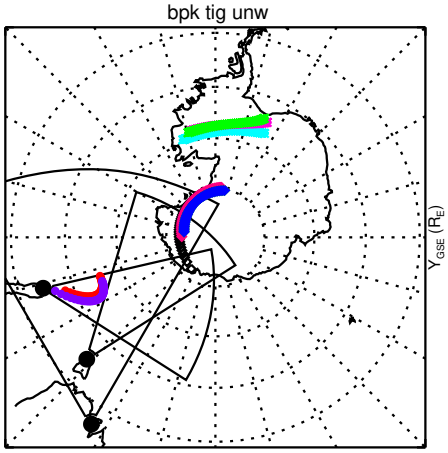


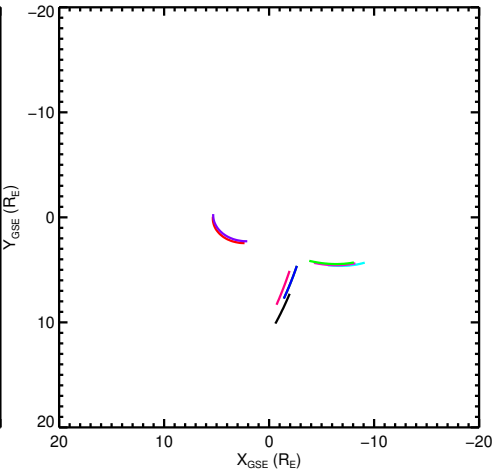


(a) 0000UT to 0315UT
ade adw cly cvw fhw hok ksr

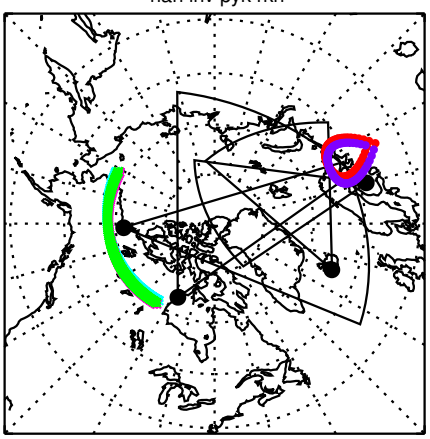


bpk tig unw

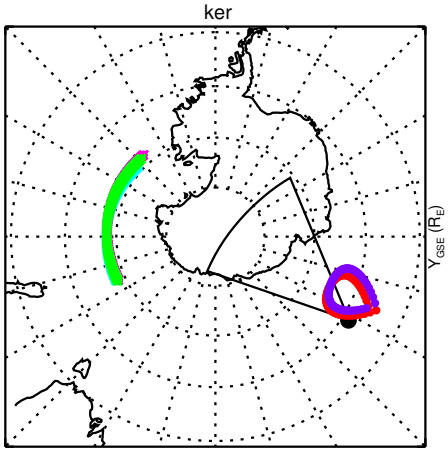


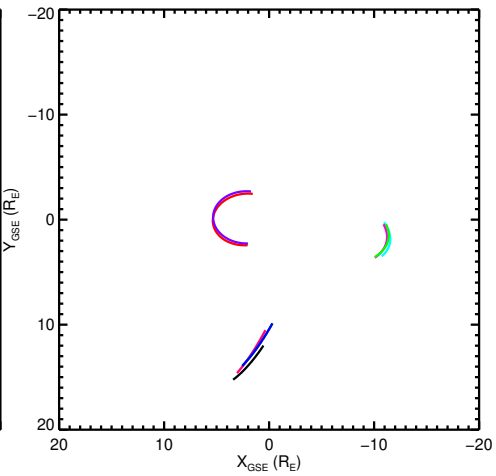


(b) 0535UT to 1220UT
han inv pyk rkn

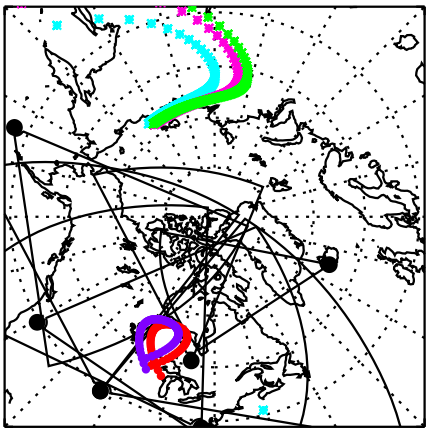


ker

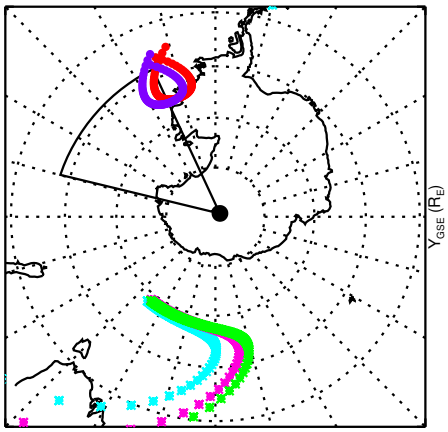


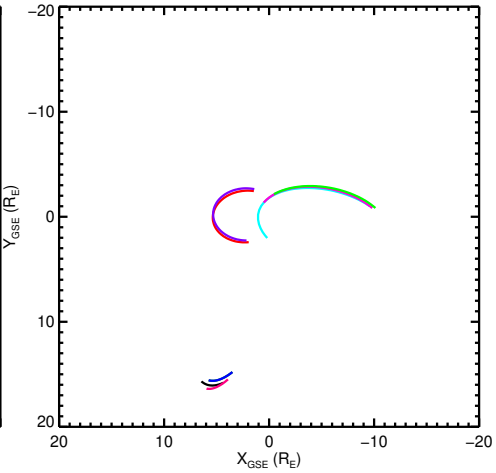


(c) 1430UT to 2120UT
ade bks cve fhe fhw kap sto

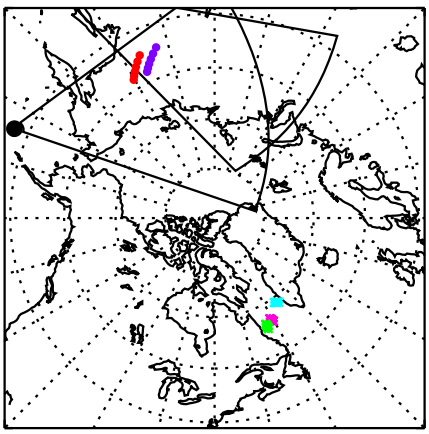


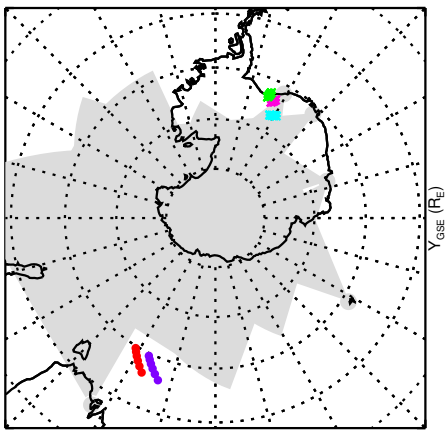
dce

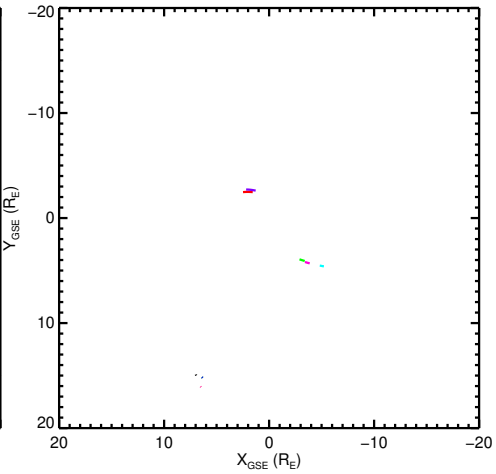




(d) 2330UT to 2355UT
adw hkw



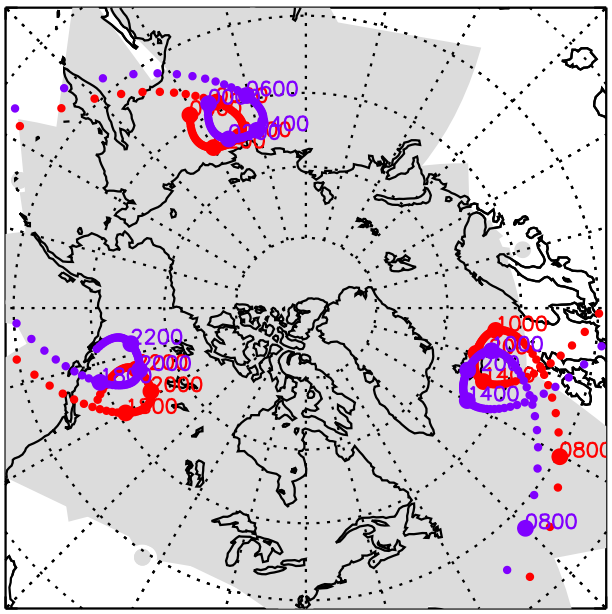


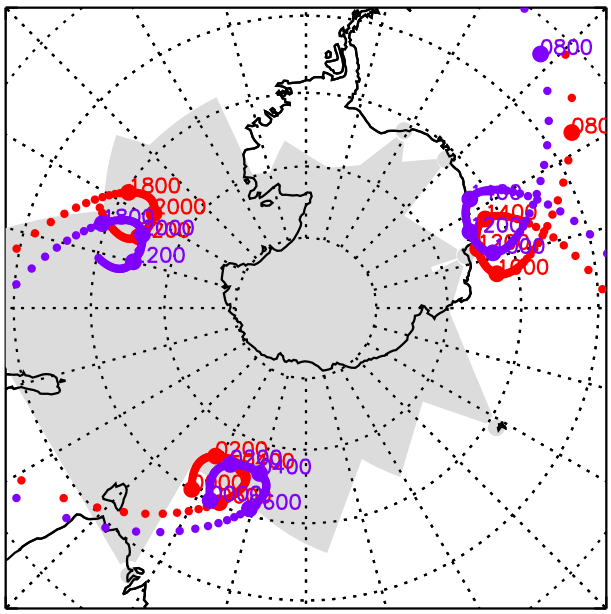


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

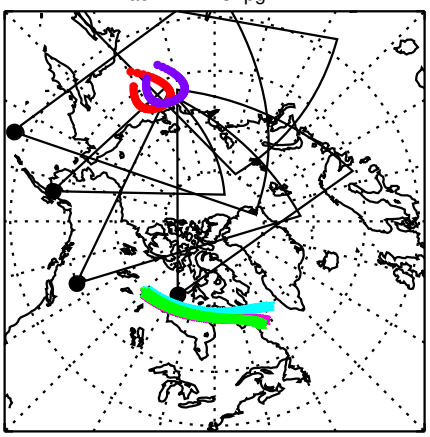
23–Dec–2015

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

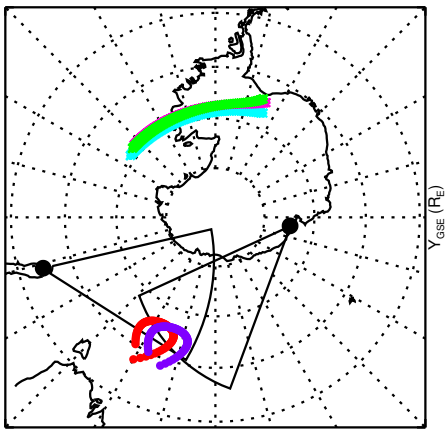


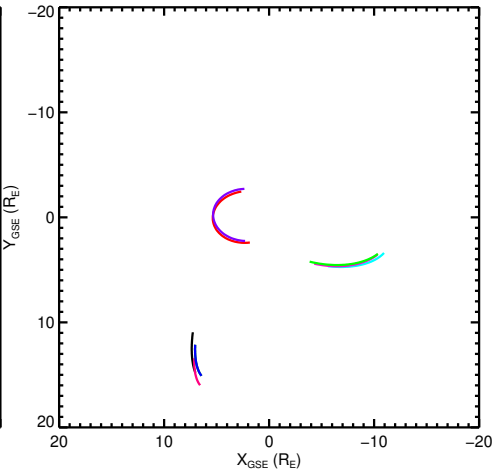


(a) 0000UT to 0620UT
adw hkw ksr pgr rkn

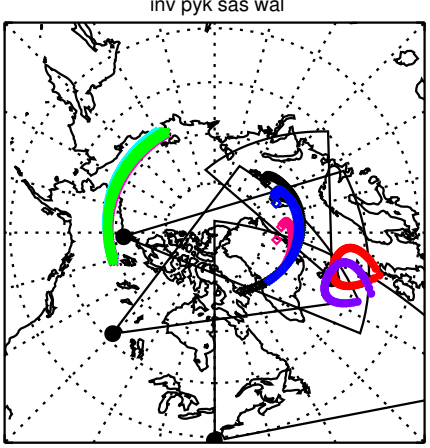


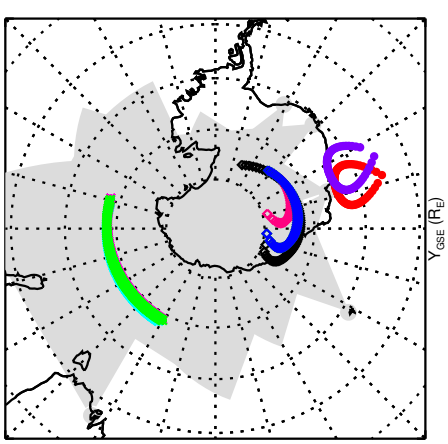
unw zho

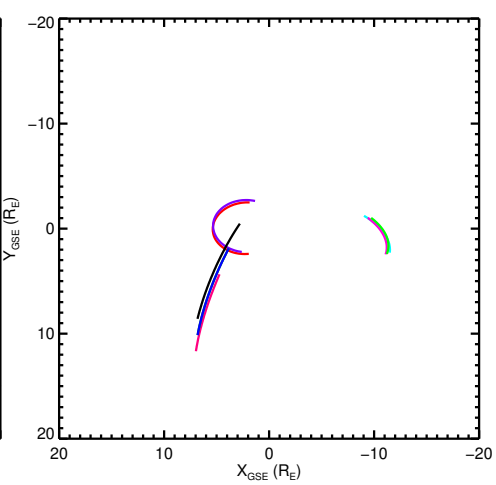


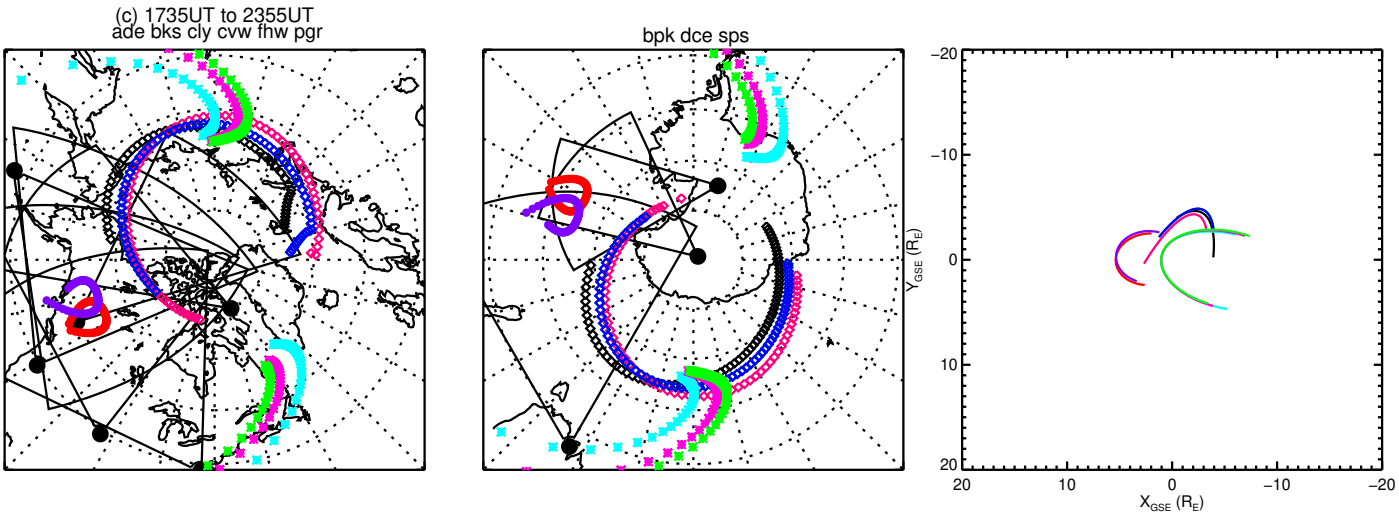


(b) 0835UT to 1515UT
inv pyk sas wal





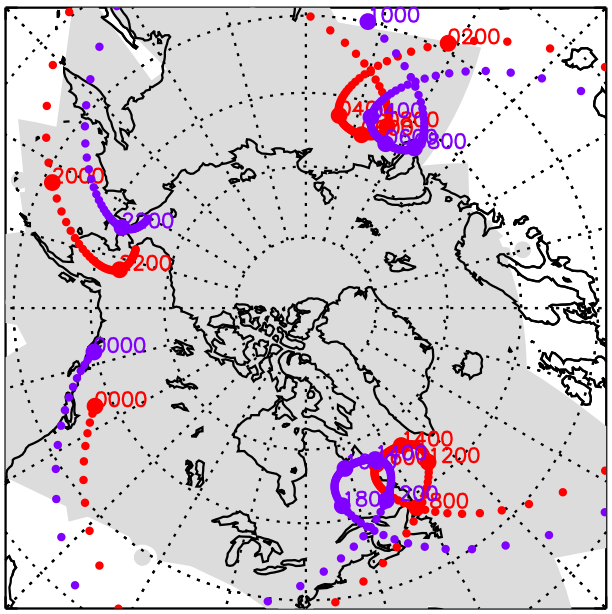


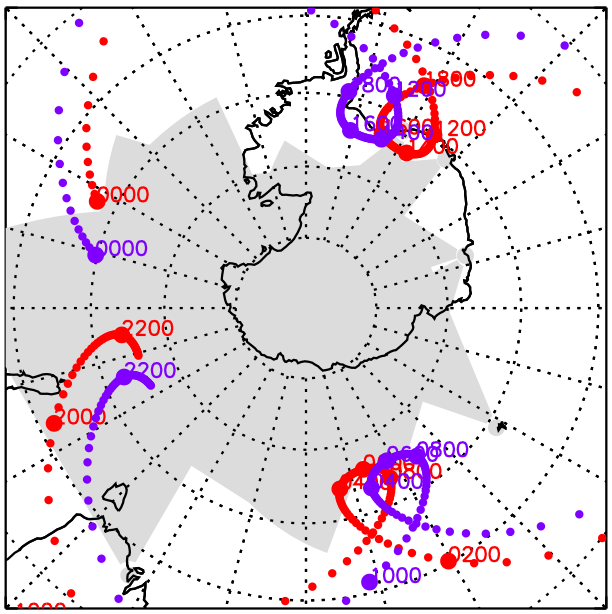

(c) 1735UT to 2355UT
ade bks cly cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

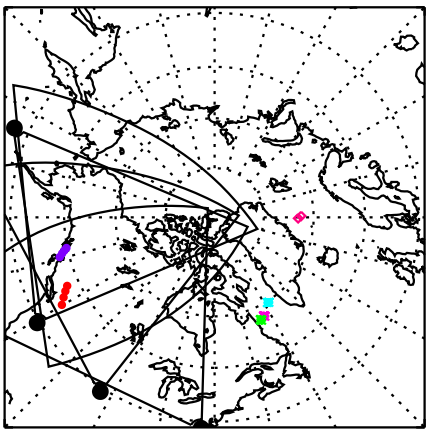
24–Dec–2015

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

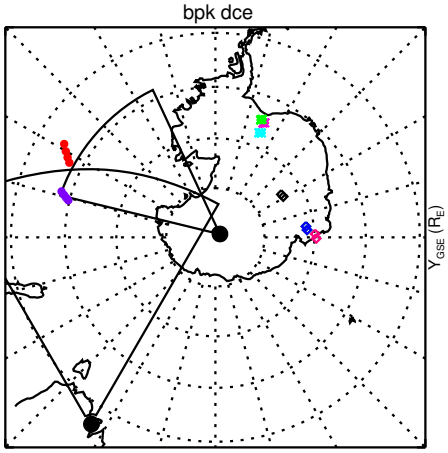


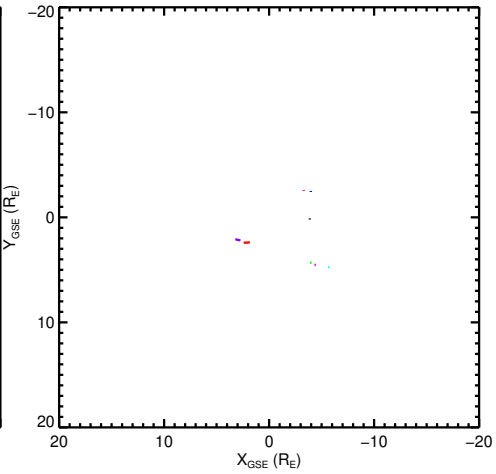


(a) 0000UT to 0015UT
ade bks cvw fhw

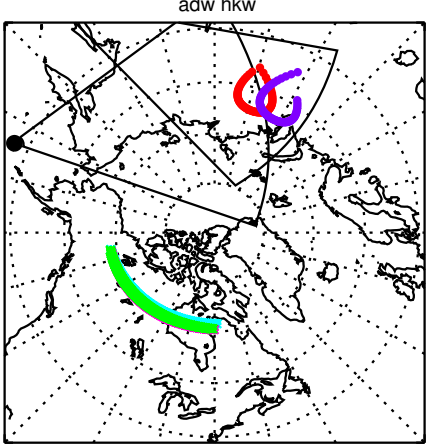


bpk dce

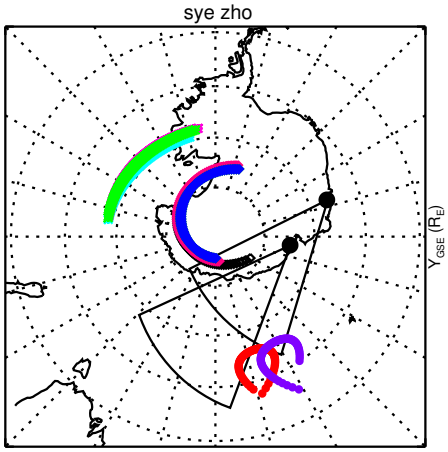


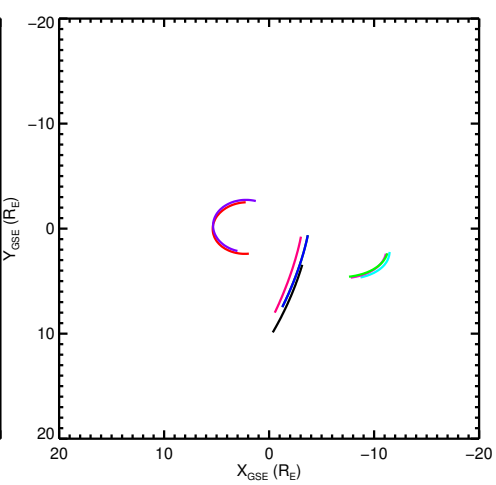


(b) 0240UT to 0910UT
adw hkw

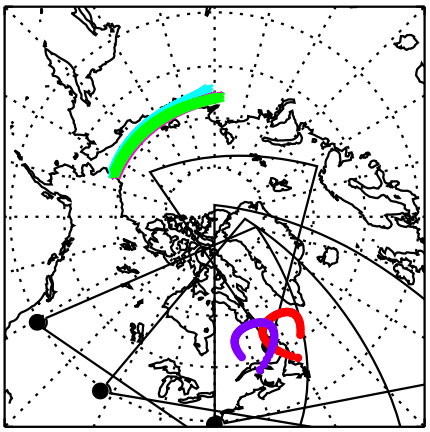


sye zho

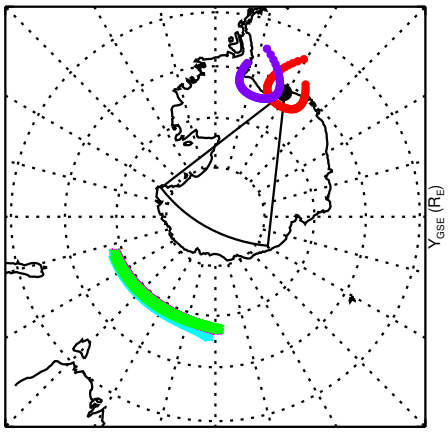


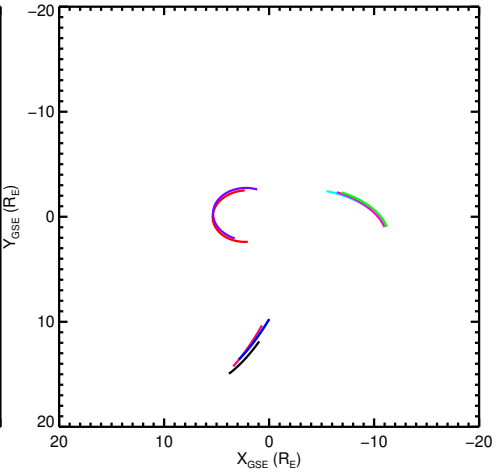


(c) 1140UT to 1805UT
cve fhe gbr wal

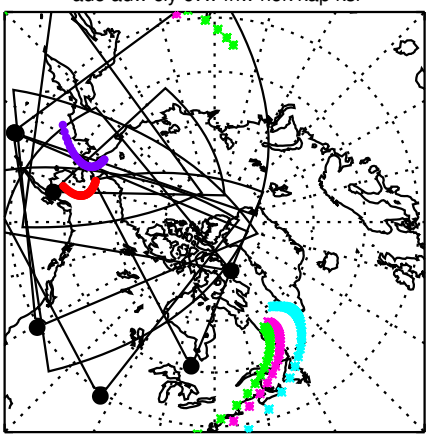


hal

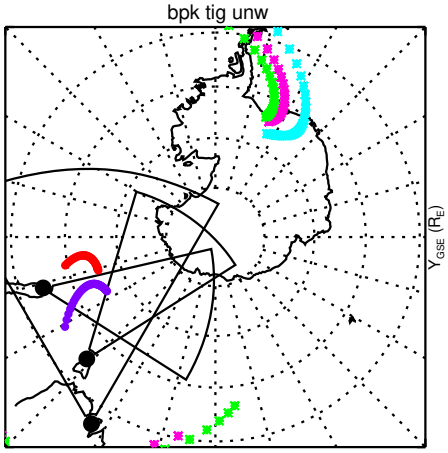


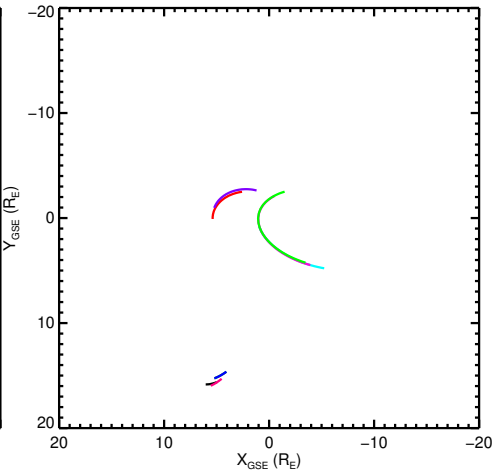


(d) 2045UT to 2355UT
ade adw cly cvw fhw hok kap ksr



bpk tig unw

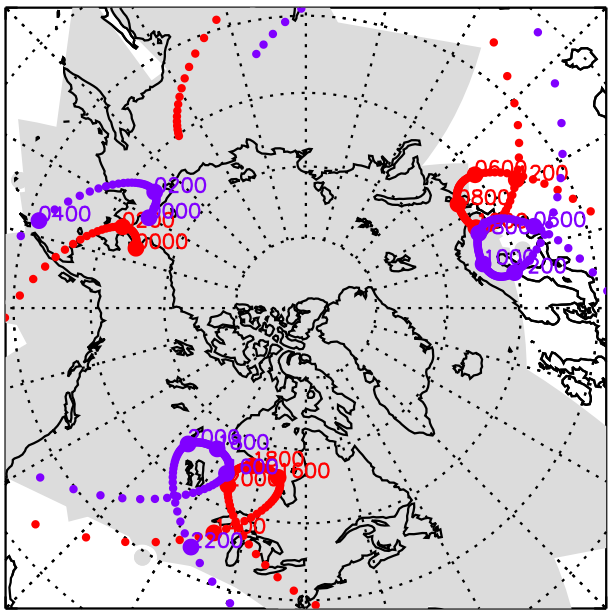


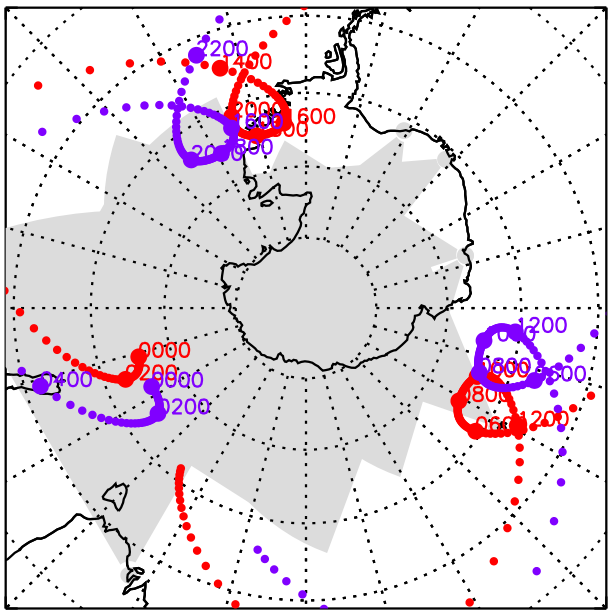


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

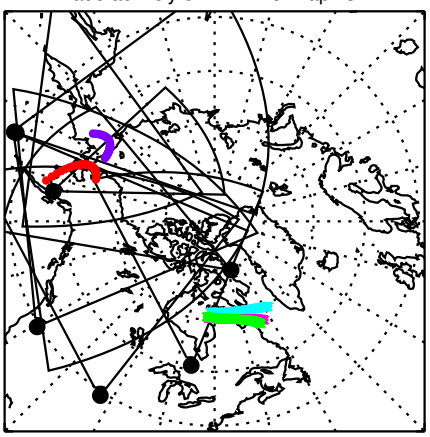
25–Dec–2015

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

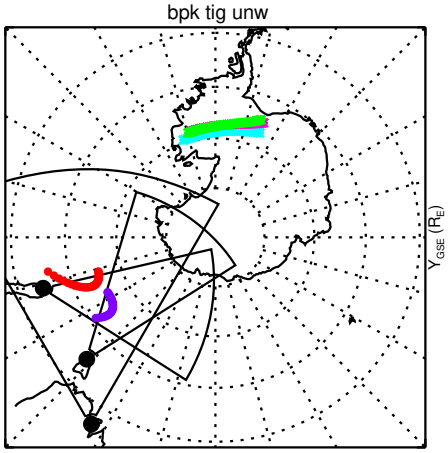


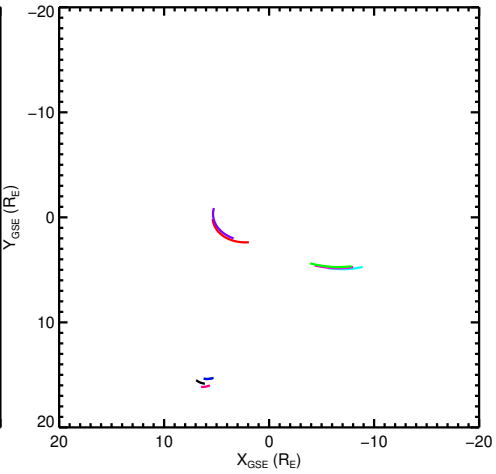


(a) 0000UT to 0305UT
ade adw cly cvw fhw hok kap ksr

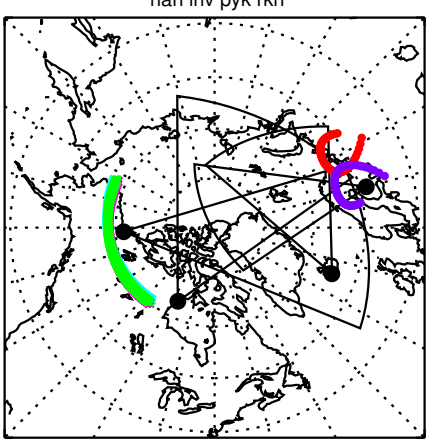


bpk tig unw

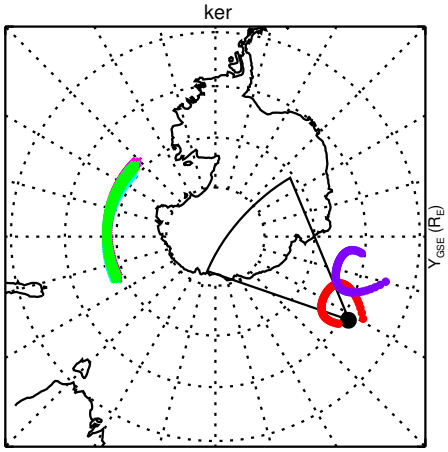


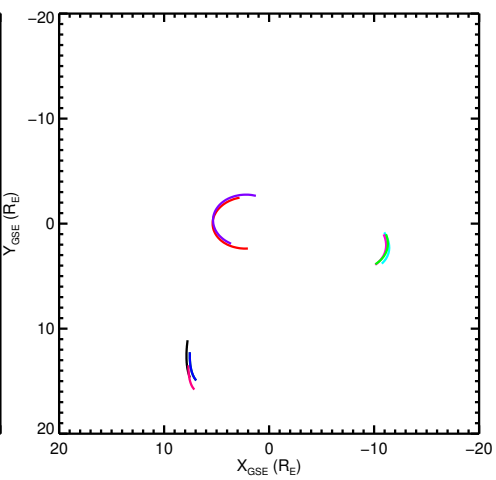


(b) 0550UT to 1200UT
han inv pyk rkn

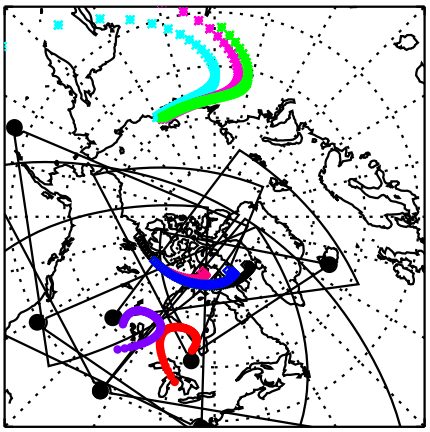


ker

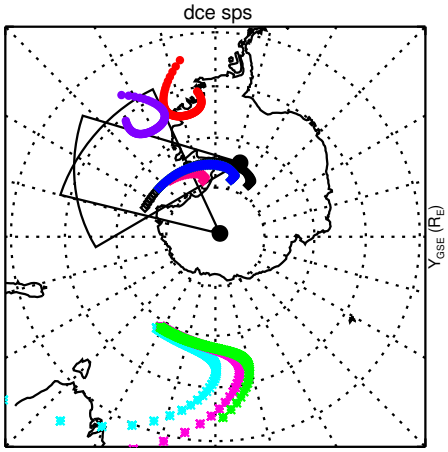


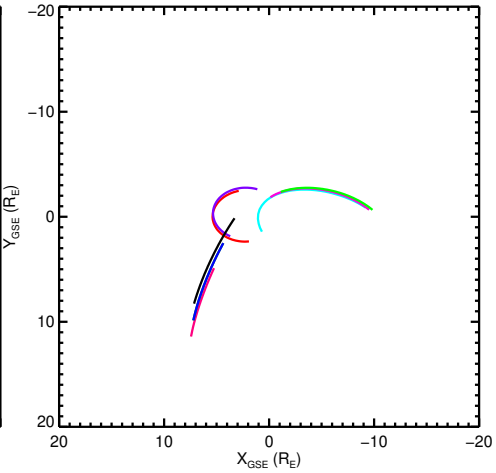


(c) 1450UT to 2100UT
ade bks cve fhe fhw kap sas sto

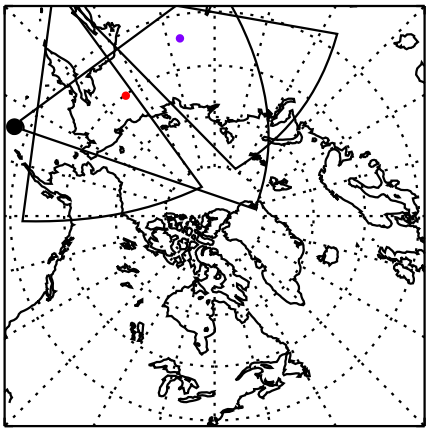


dce sps

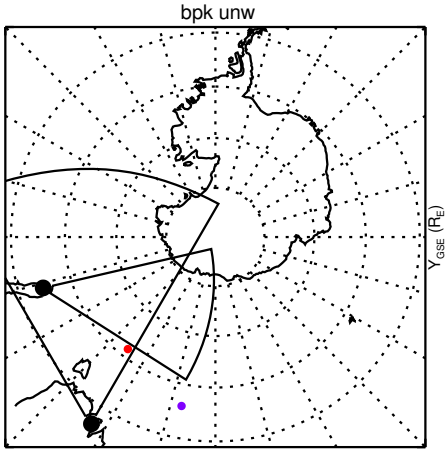


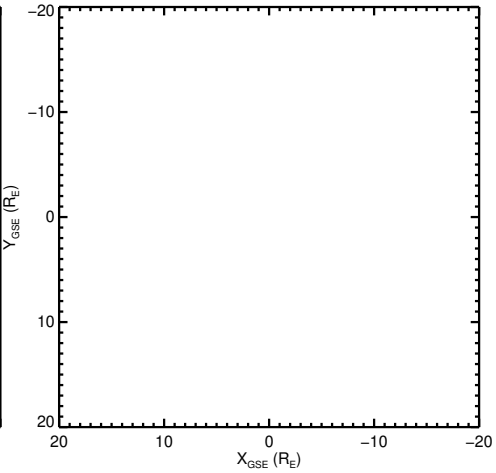


(d) 2355UT to 2355UT
adw hkw hok



bpk unw

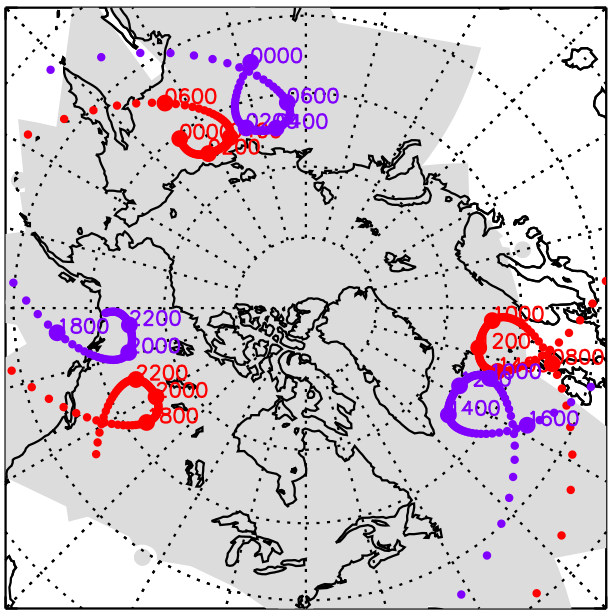


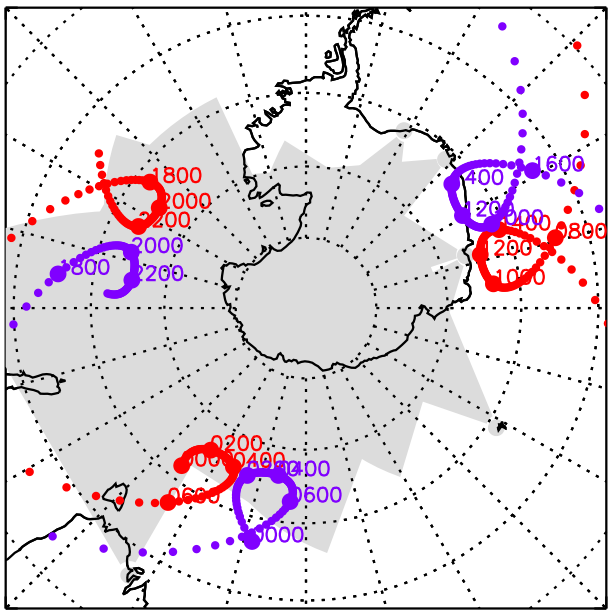


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

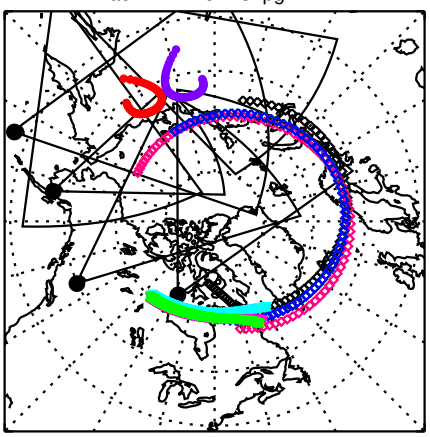
26–Dec–2015

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

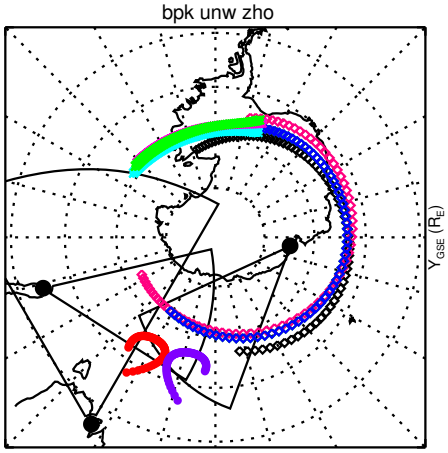


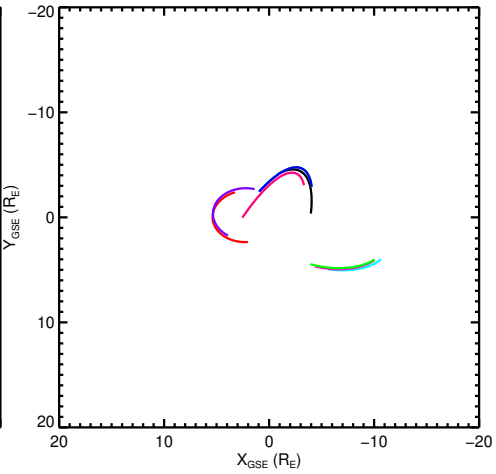


(a) 0000UT to 0555UT
adw hkw hok ksr pgr rkn

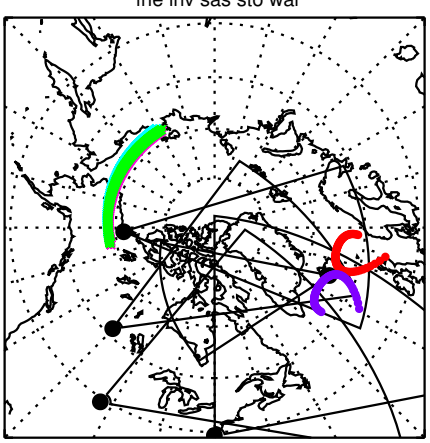


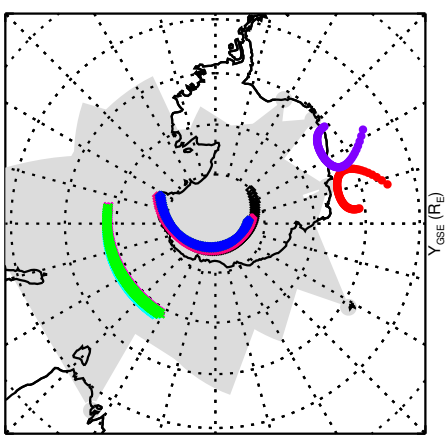
bpk unw zho

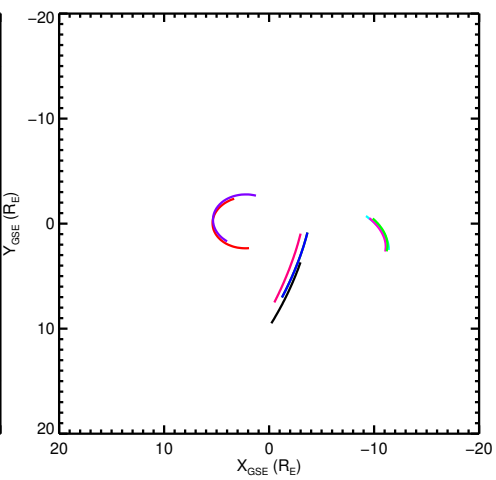


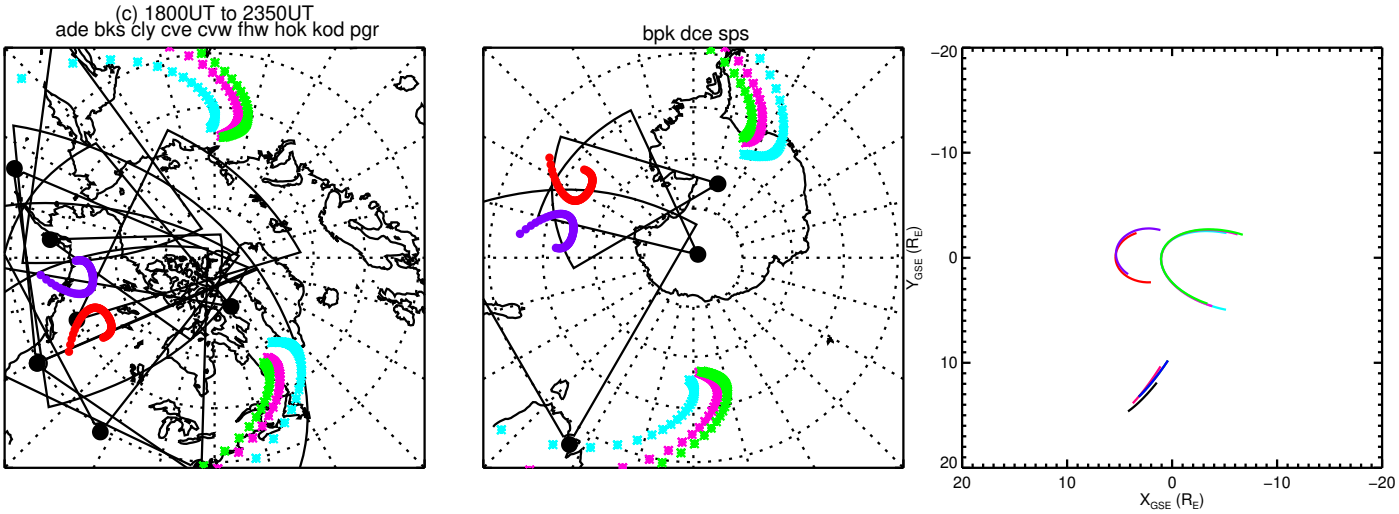


(b) 0900UT to 1455UT
fhe inv sas sto wal





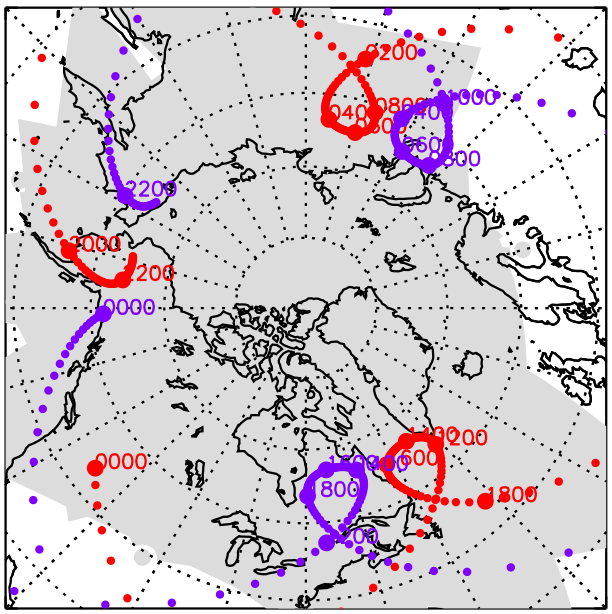


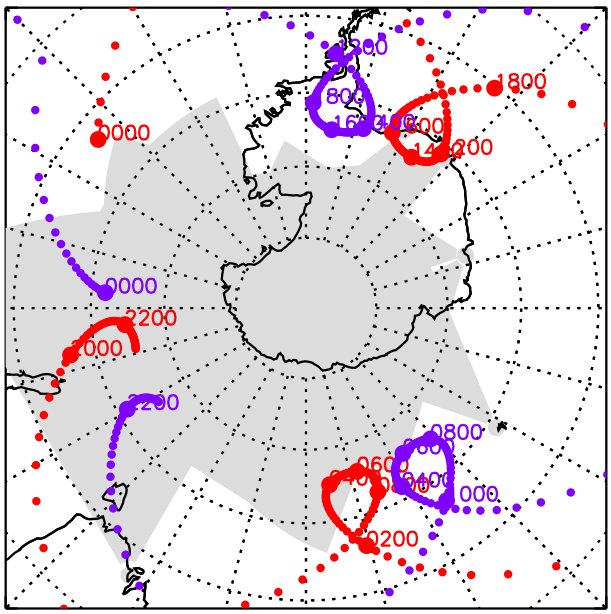

(c) 1800UT to 2350UT
ade bks cly cve cvw fhw hok kod pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

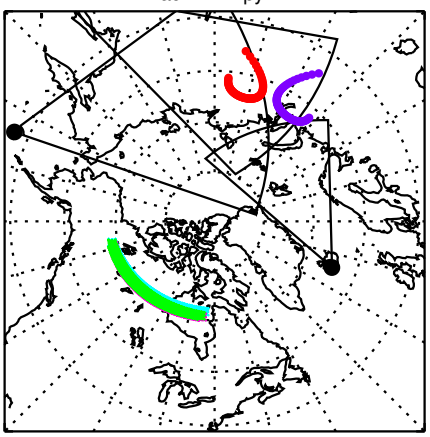
27–Dec–2015

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

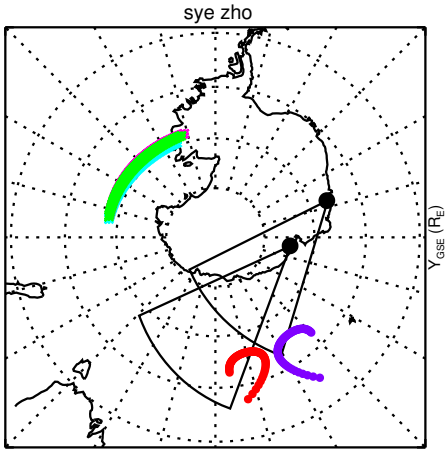


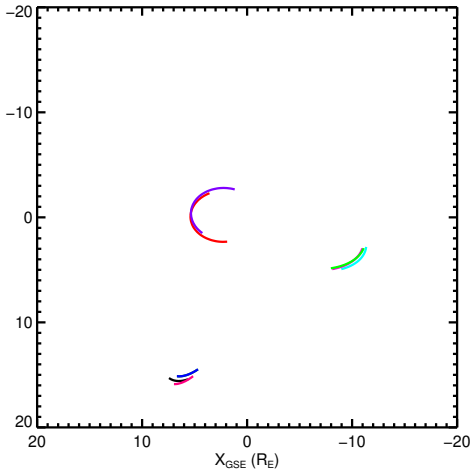


(a) 0305UT to 0850UT
adw hkw pyk

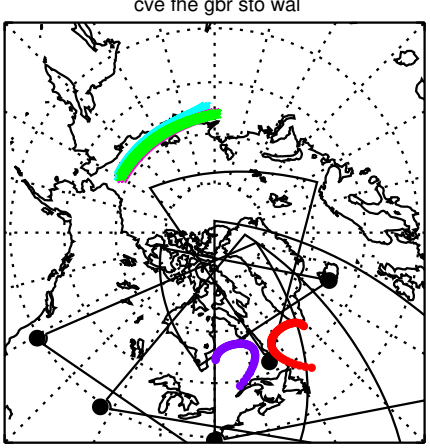


sye zho

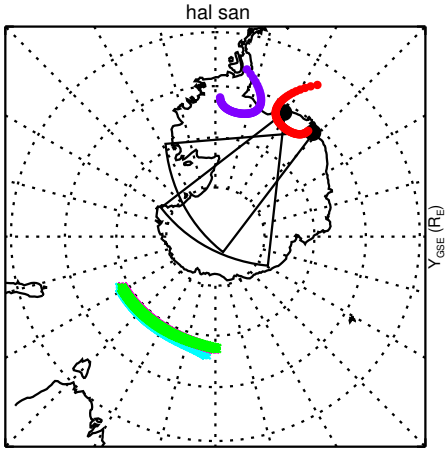


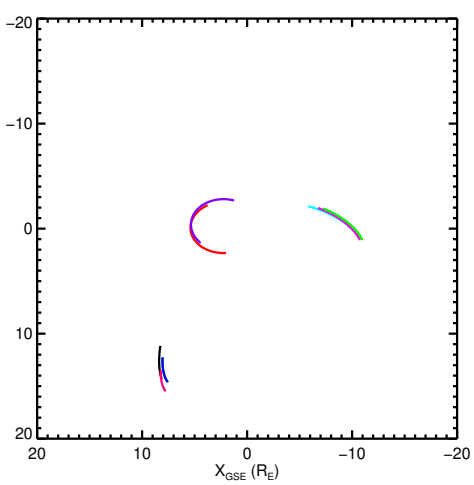


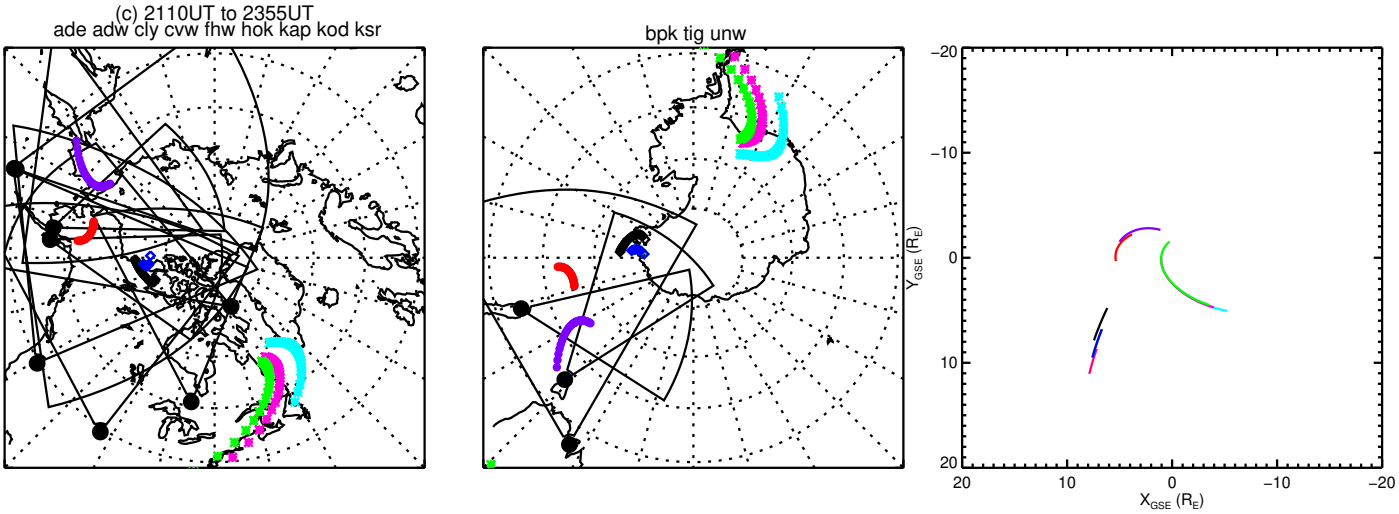
(b) 1210UT to 1745UT
cve fhe gbr sto wal



hal san



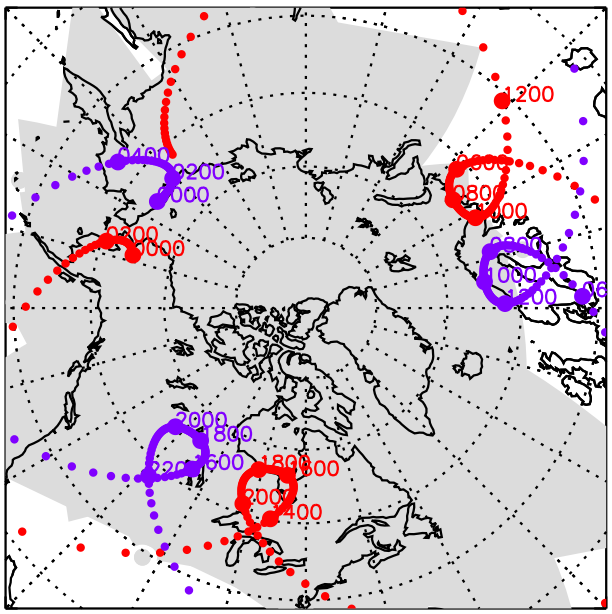


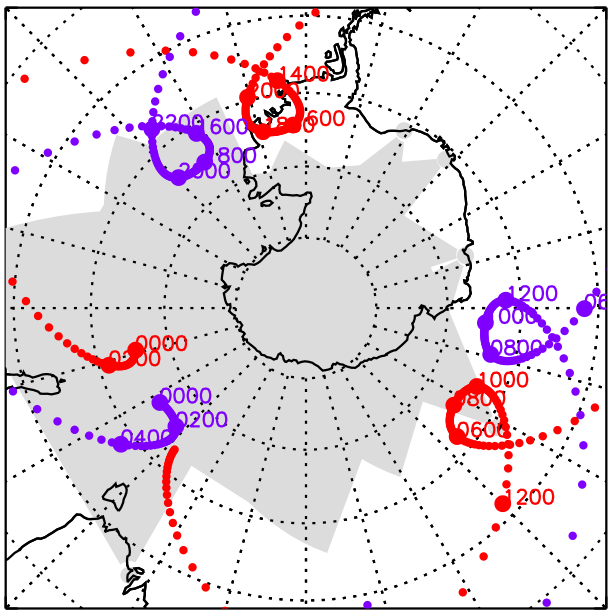

(c) 2110UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr
bpk tig unw
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

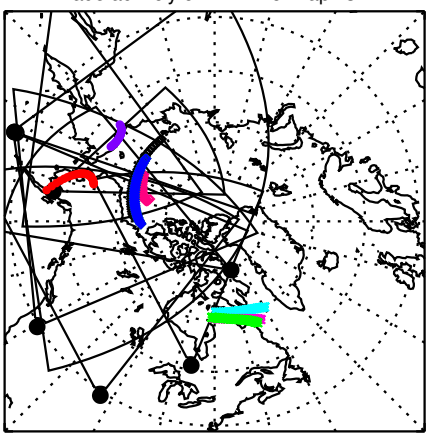
28–Dec–2015

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

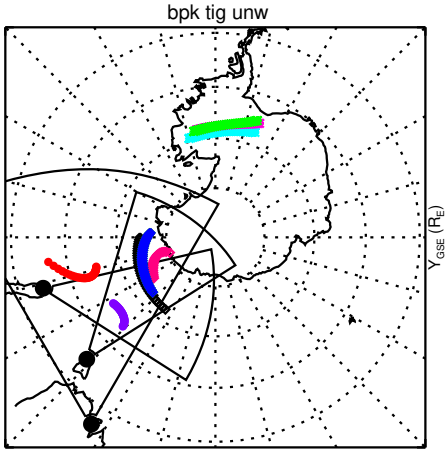


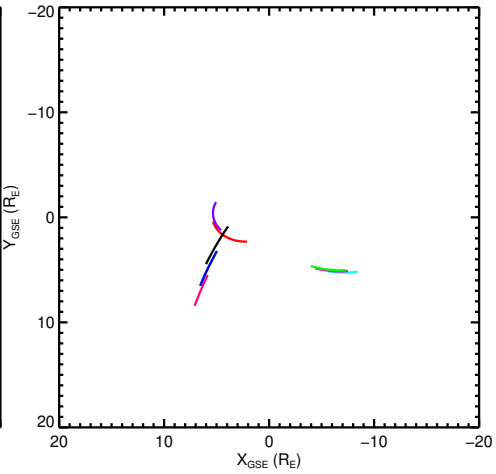


(a) 0000UT to 0240UT
ade adw cly cvw fhw hok kap ksr

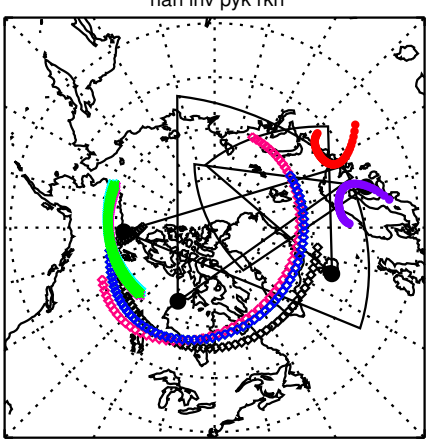


bpk tig unw

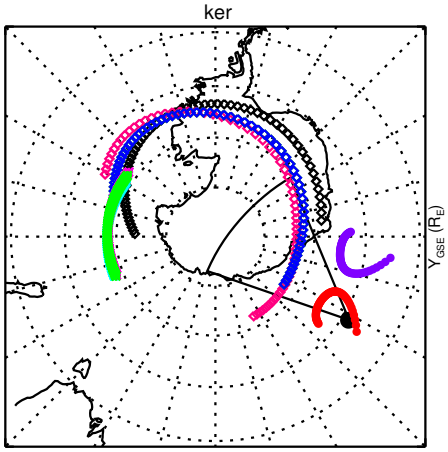


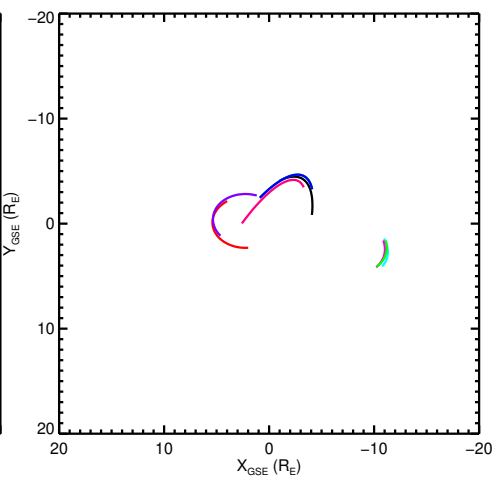


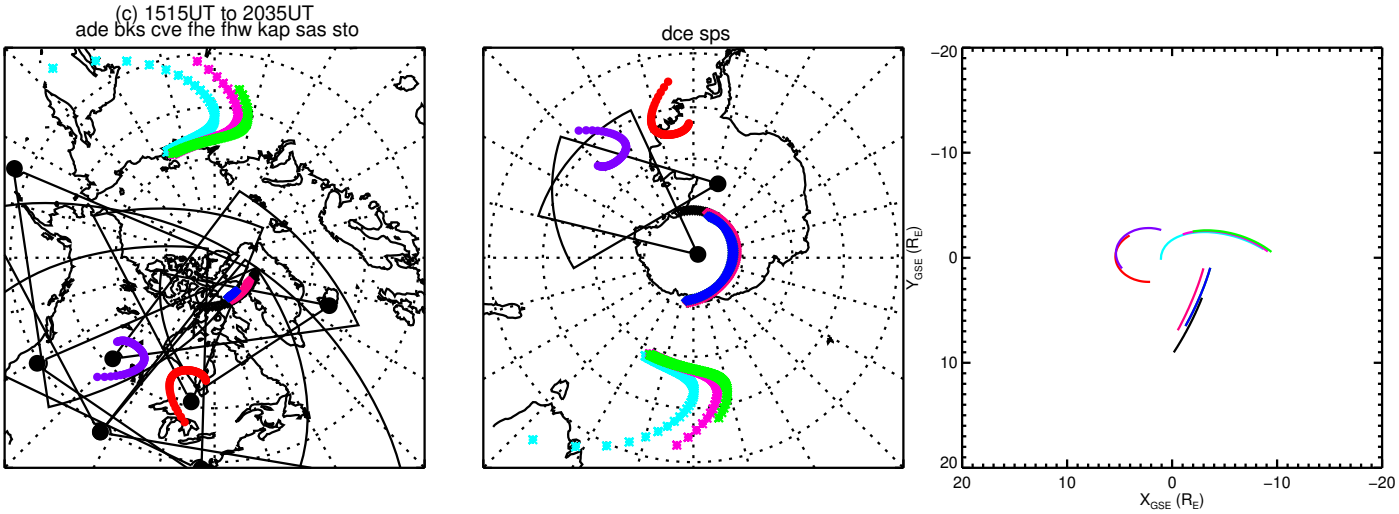
(b) 0615UT to 1140UT
han inv pyk rkn



ker



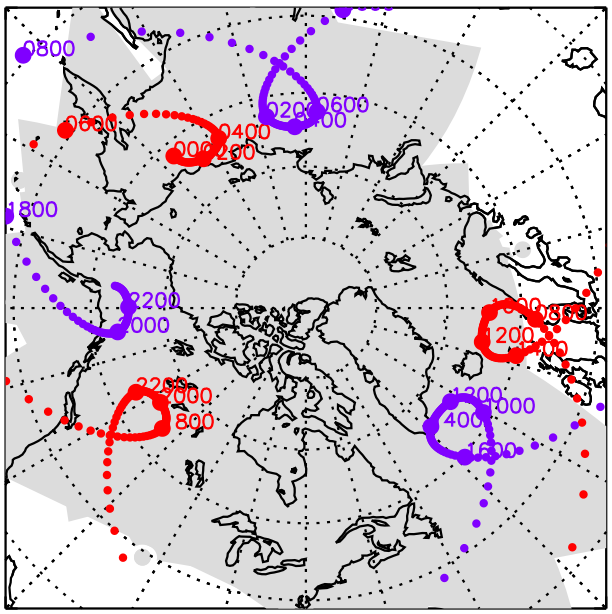


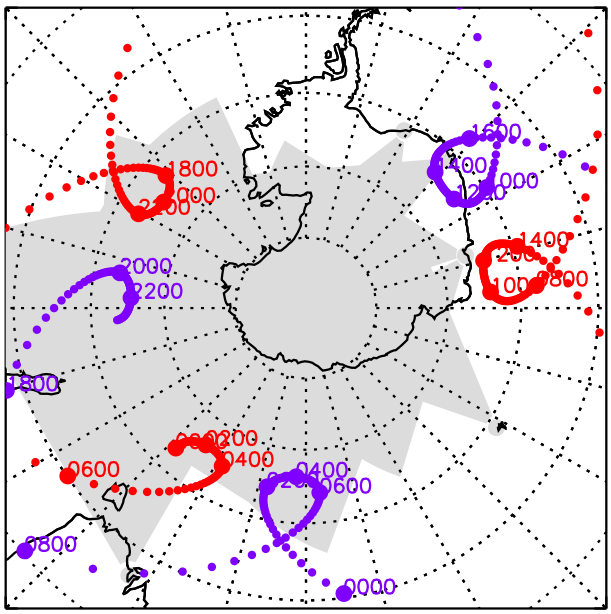

(c) 1515UT to 2035UT
ade bks cve fhe fhw kap sas sto
dce sps
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

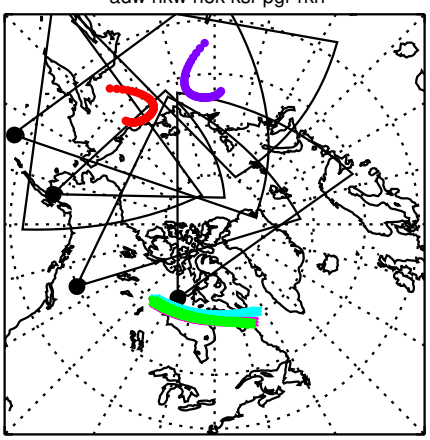
29–Dec–2015

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

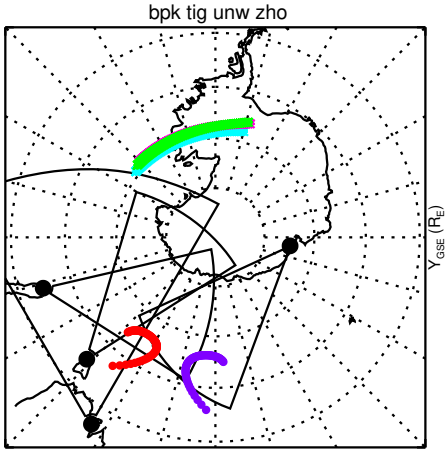


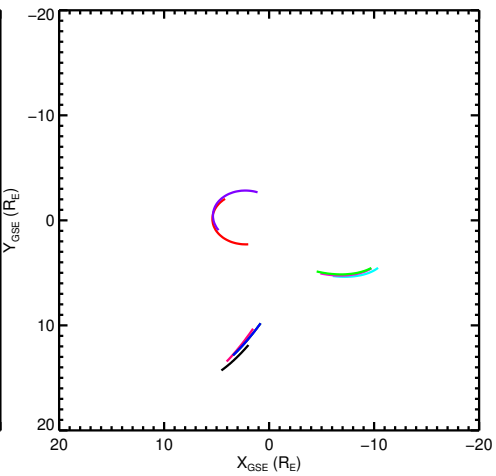


(a) 0020UT to 0535UT
adw hkw hok ksr pgr rkn

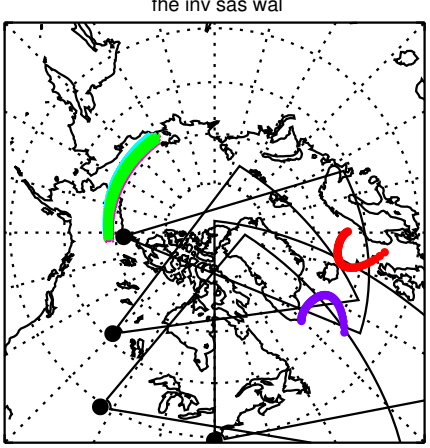


bpk tig unw zho

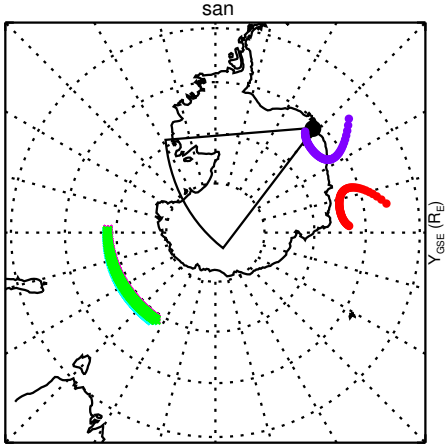


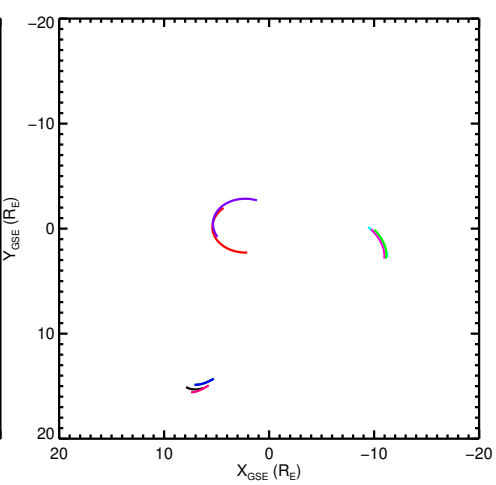


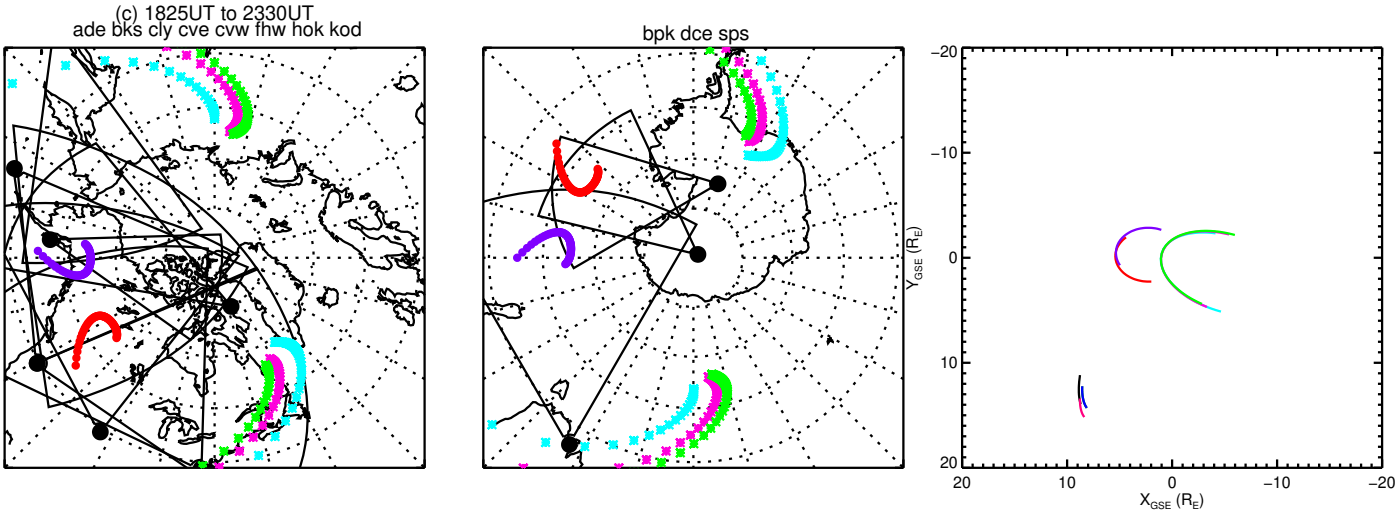
(b) 0925UT to 1430UT
fhe inv sas wal



san



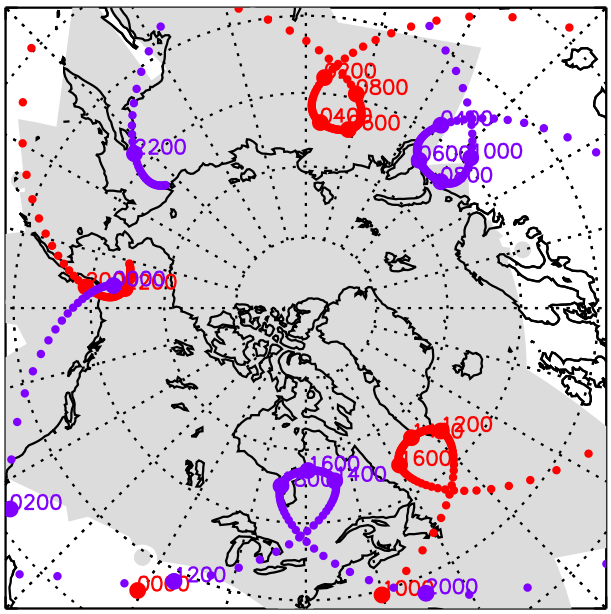


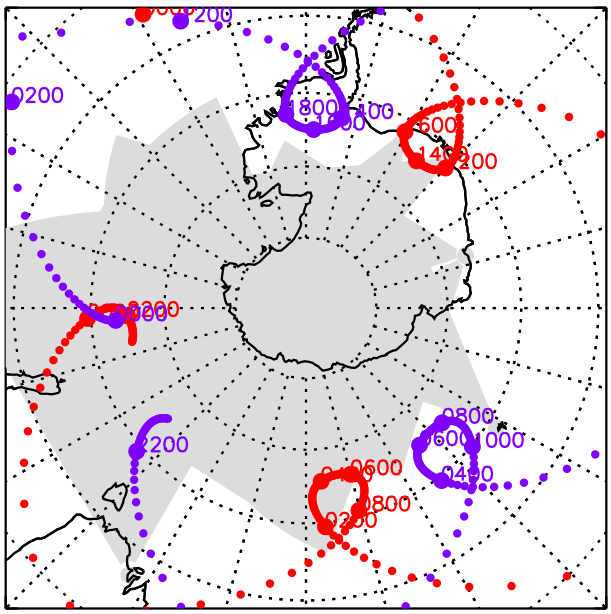

(c) 1825UT to 2330UT
ade bks cly cve cvw fhw hok kod
bpk dce sps
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

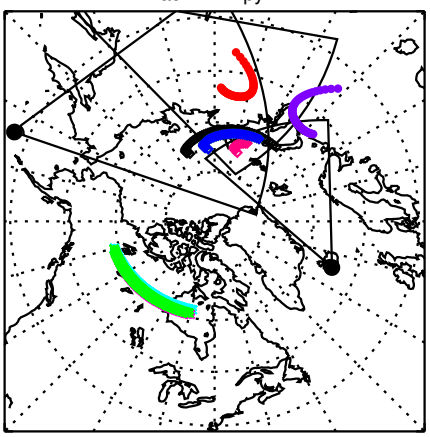
30–Dec–2015

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

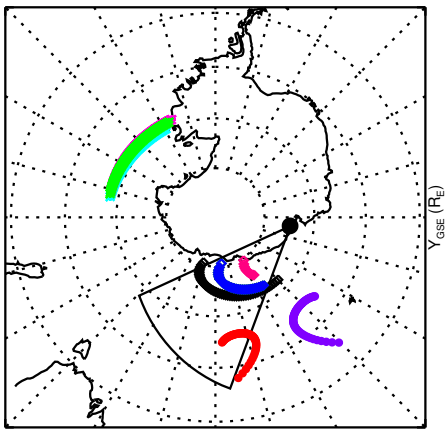


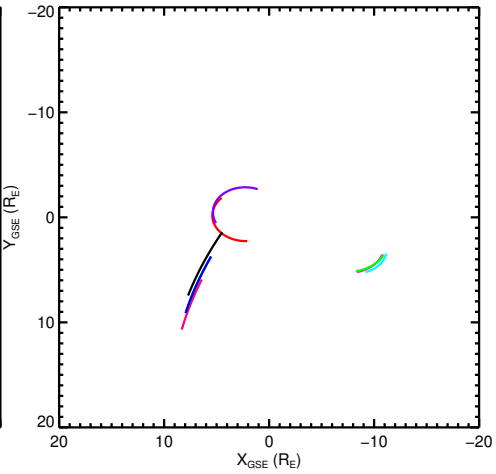


(a) 0330UT to 0825UT
adw hkw pyk

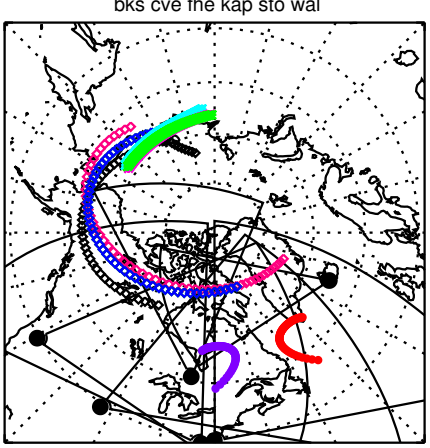


zho

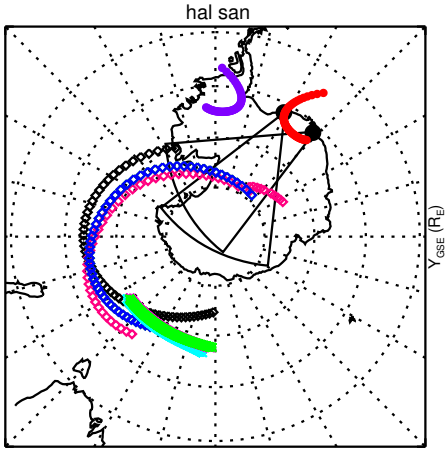


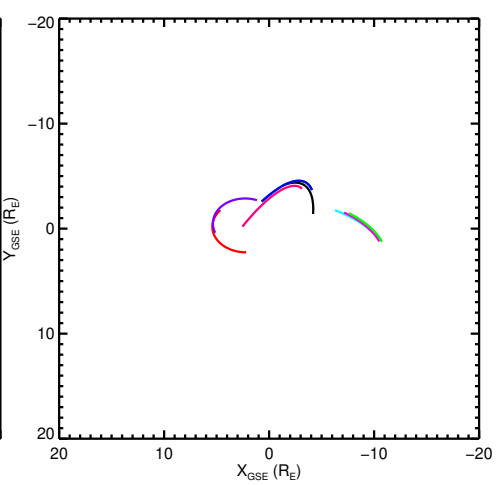


(b) 1235UT to 1720UT
bks cve fhe kap sto wal

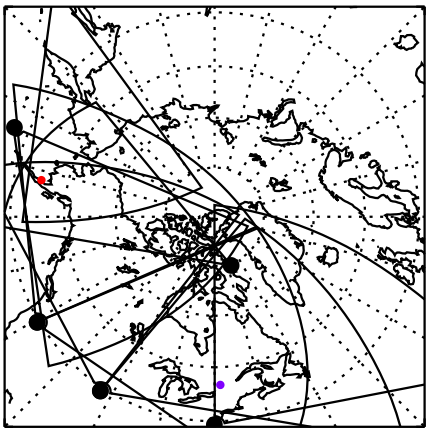


hal san

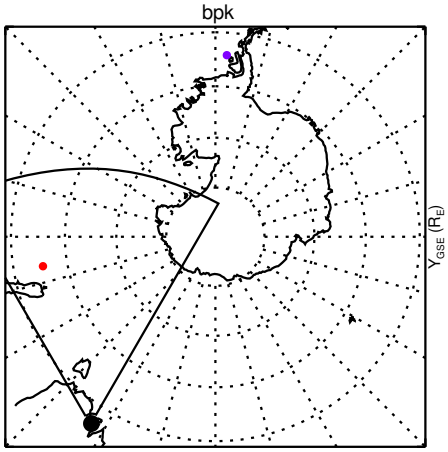


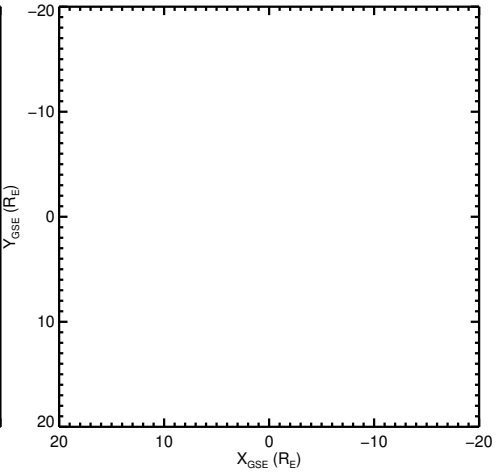


(c) 1930UT to 1930UT
ade cly cve cvw fhe fhw hok wal

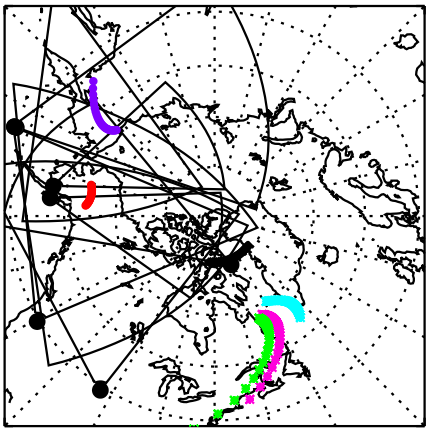


bpk

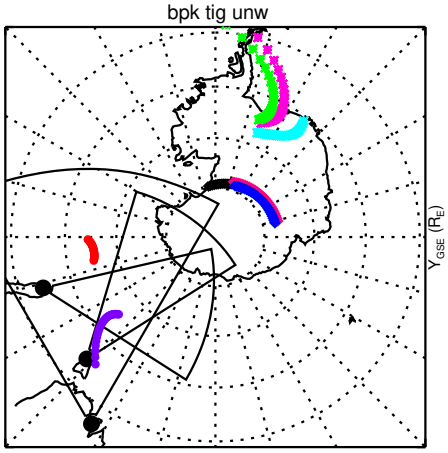


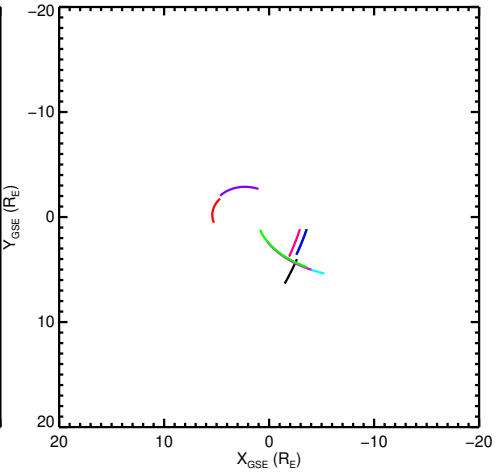


(d) 2135UT to 2355UT
ade adw cly cvw fhw hok kod ksr



bpk tig unw

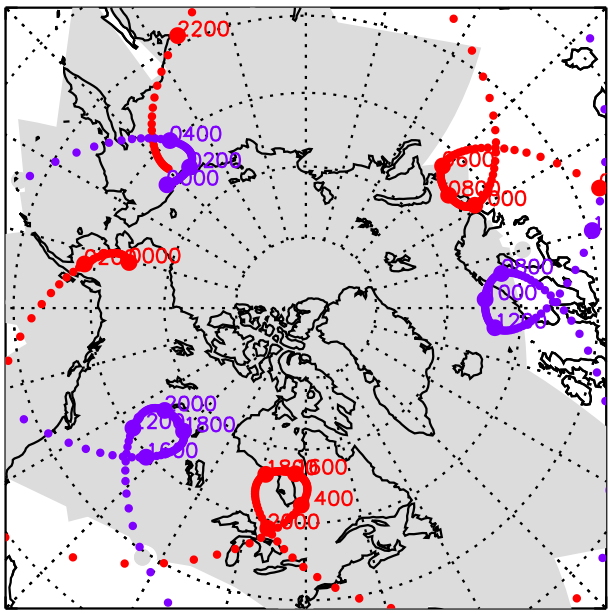


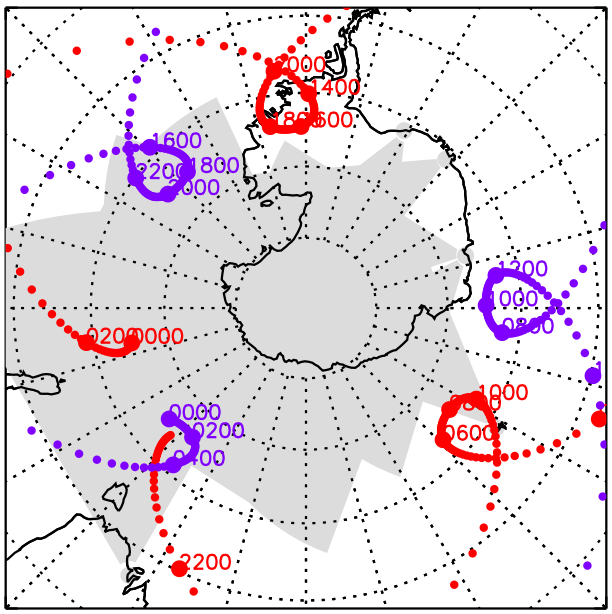


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

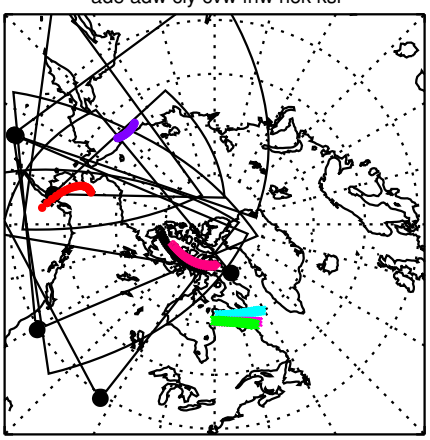
31−Dec−2015

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

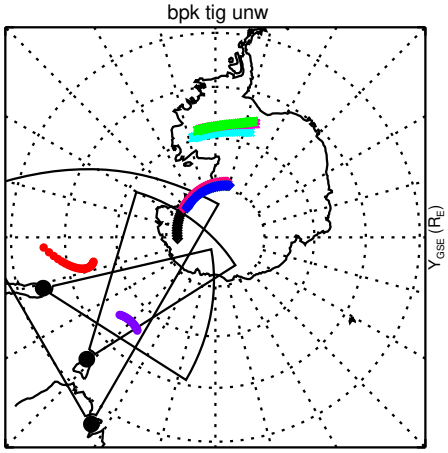


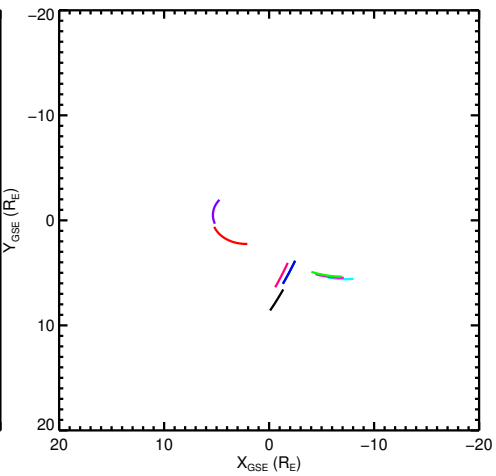


(a) 0000UT to 0220UT
ade adw cly cvw fhw hok ksr

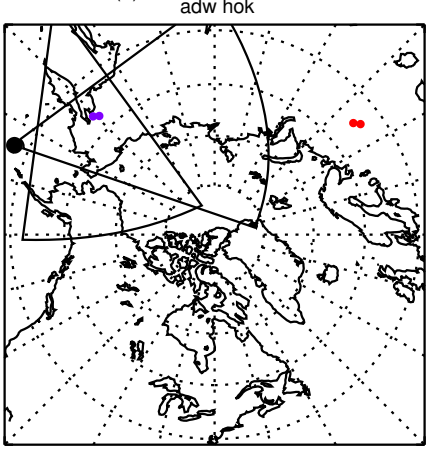


bpk tig unw

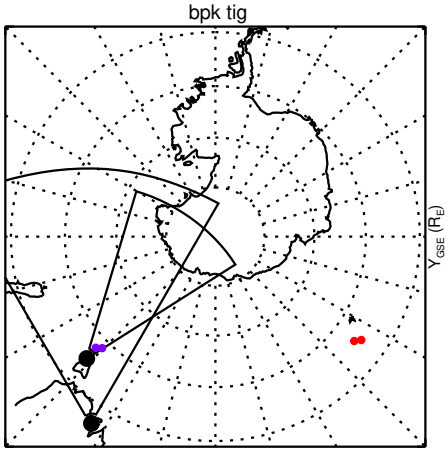


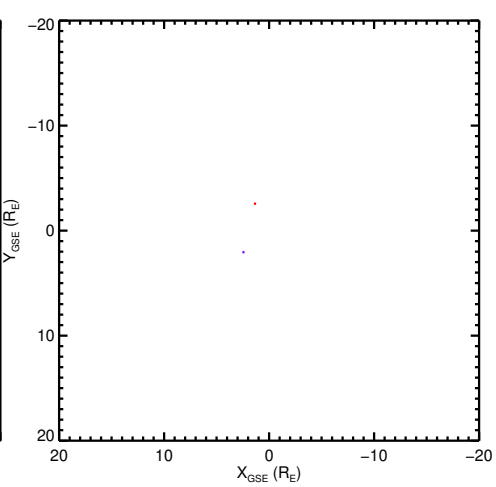


(b) 0425UT to 0430UT
adw hok

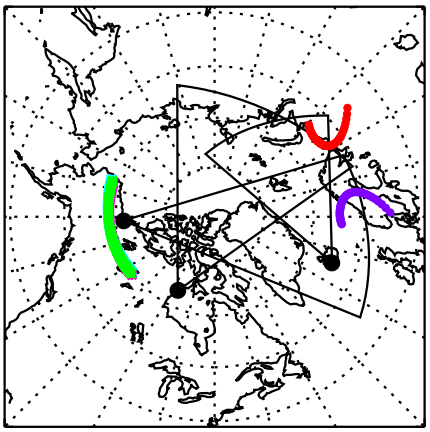


bpk tig

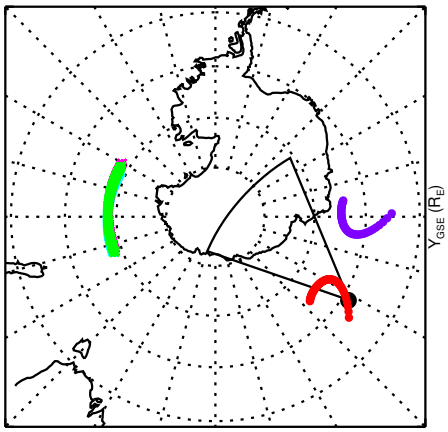


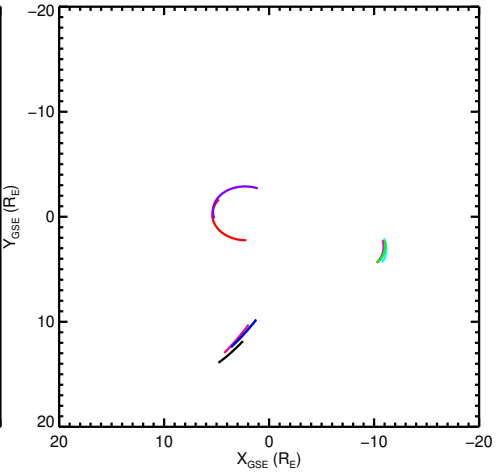


(c) 0640UT to 1115UT
inv pyk rkn

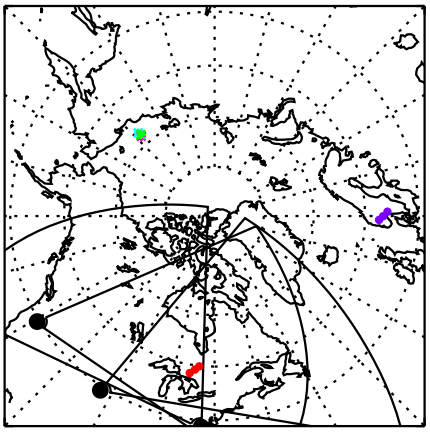


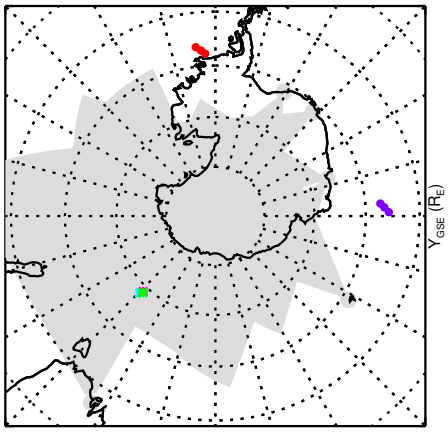
ker

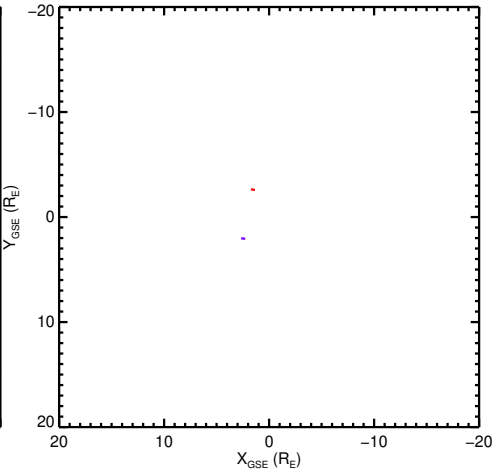




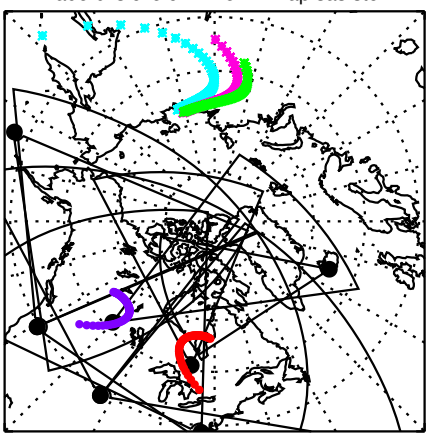
(d) 1325UT to 1335UT
bks cve fhe



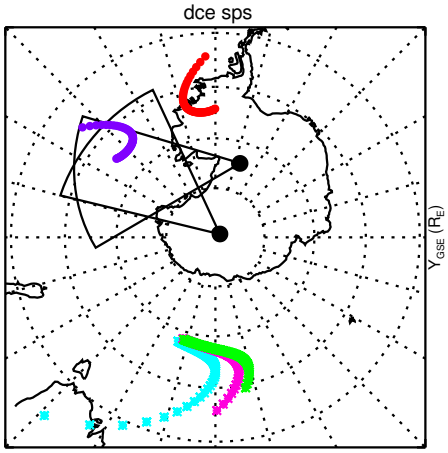


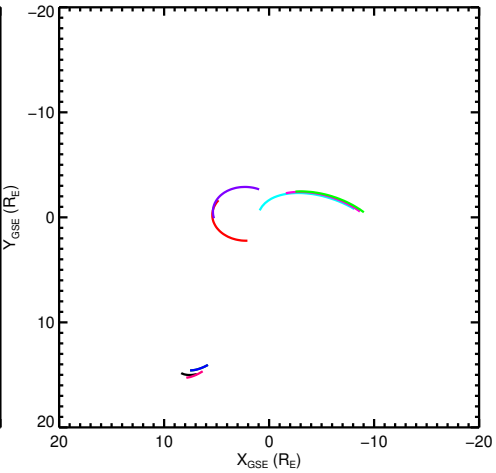


(e) 1540UT to 2015UT
ade bks cve cvw fhe fhw kap sas sto

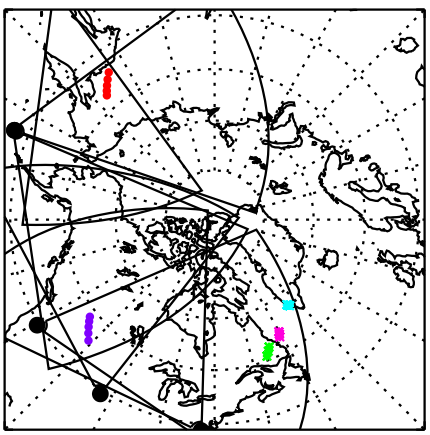
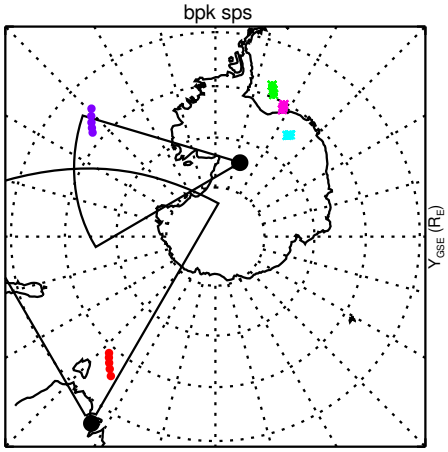
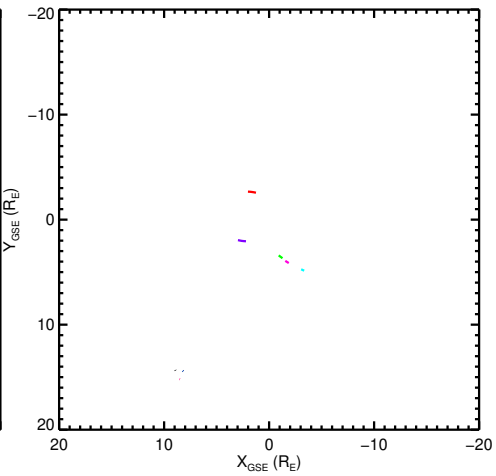


dce sps





(f) 2220UT to 2240UT
ade adw bks cve fhw hok



bpk sps