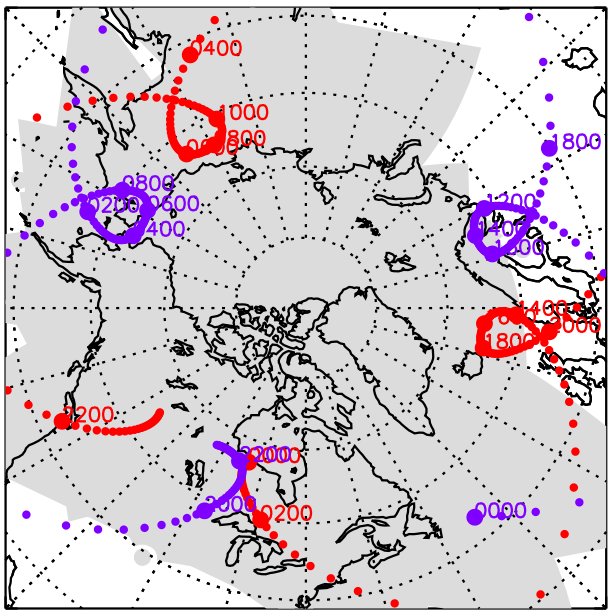
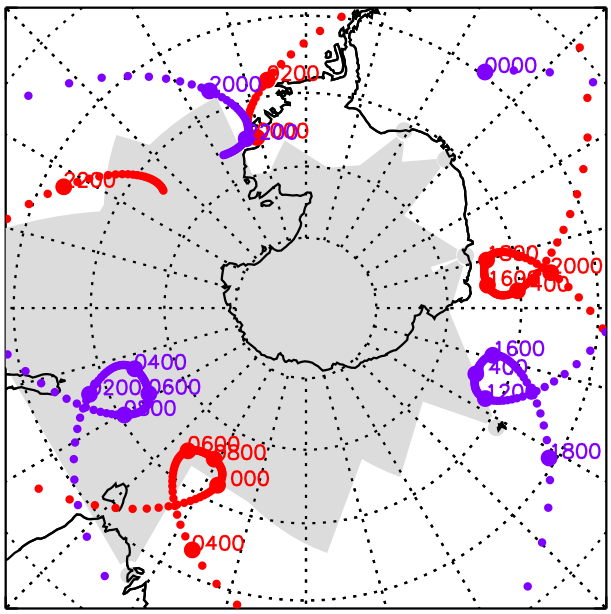
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

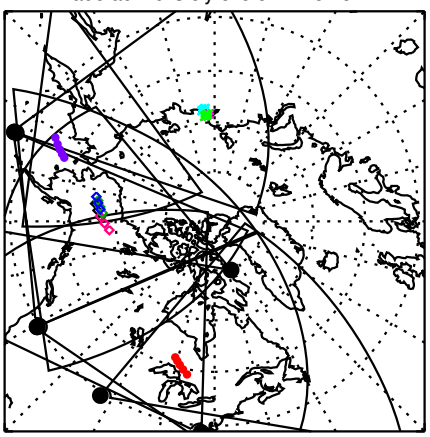
01−Aug−2015

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

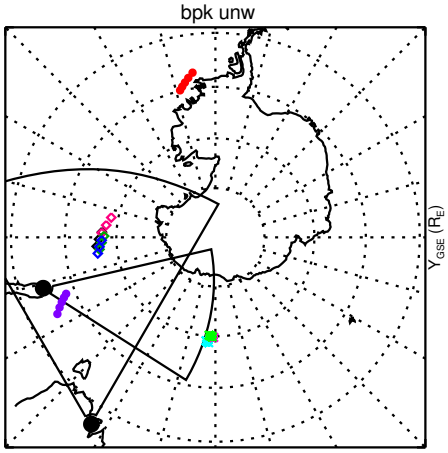


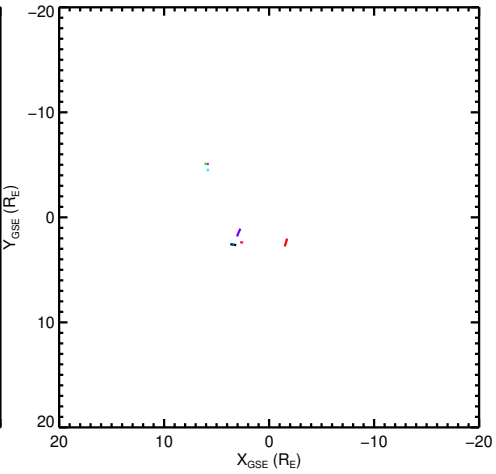


(a) 0145UT to 0205UT
ade adw bks cly cve cvw fhe hok

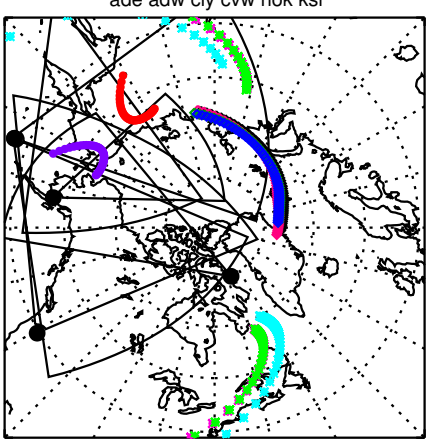


bpk unw

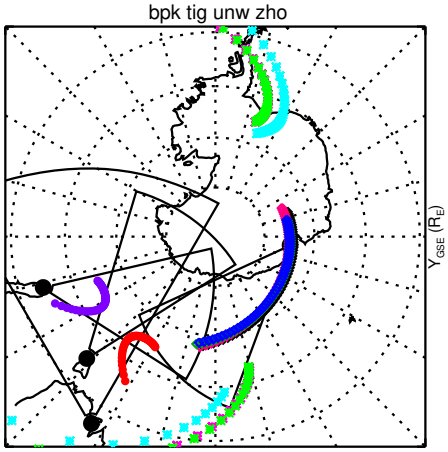


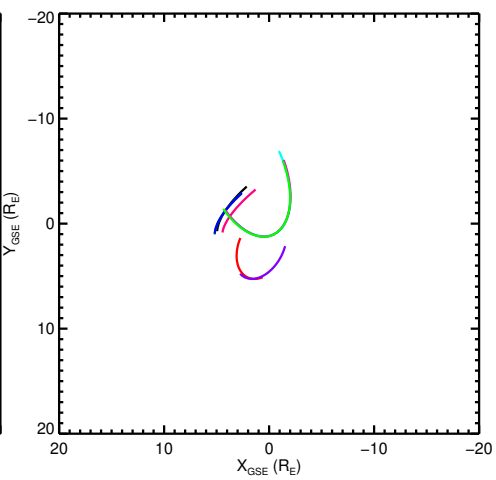


(b) 0415UT to 0840UT
ade adw cly cvw hok ksr

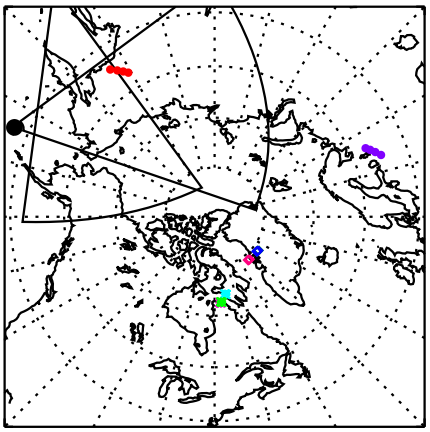


bpk tig unw zho

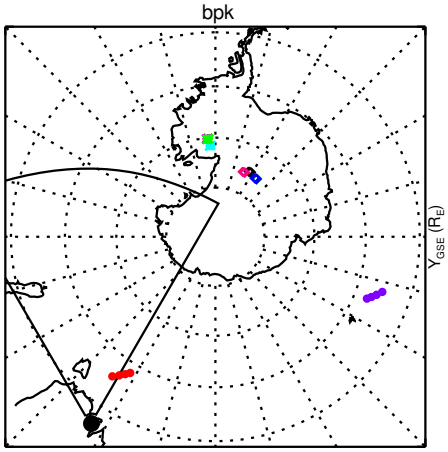


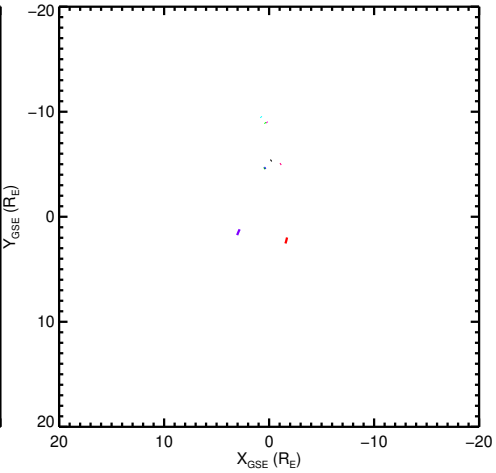


(c) 1050UT to 1105UT
adw hok

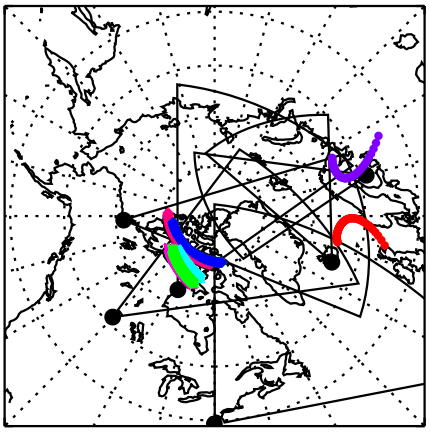


bpk





(d) 1315UT to 1745UT
han inv pyk rkn sas wal



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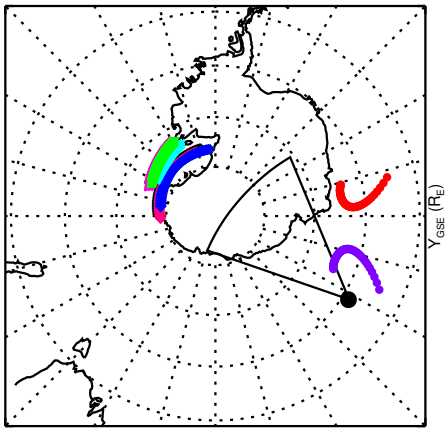
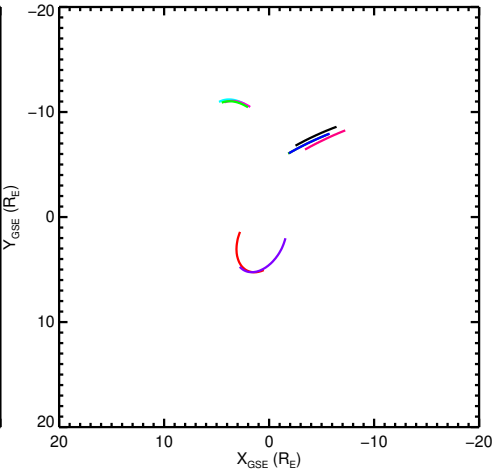
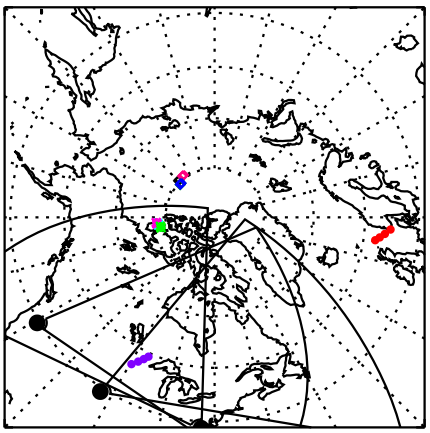
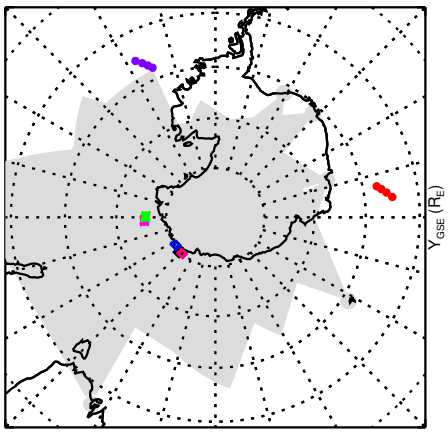
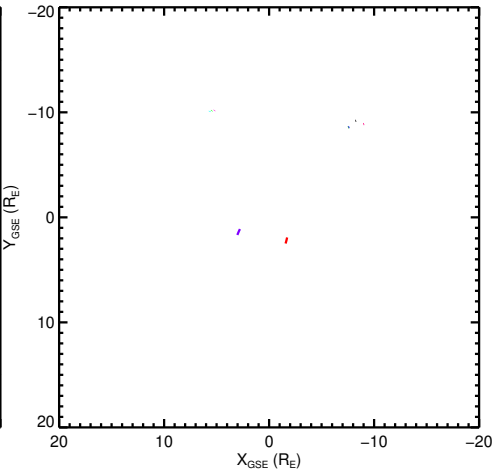




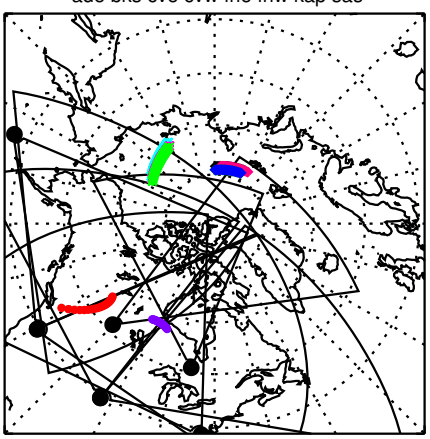
(e) 1950UT to 2005UT
bks cve fhe



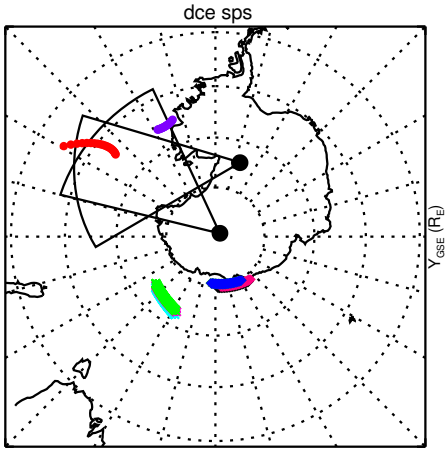


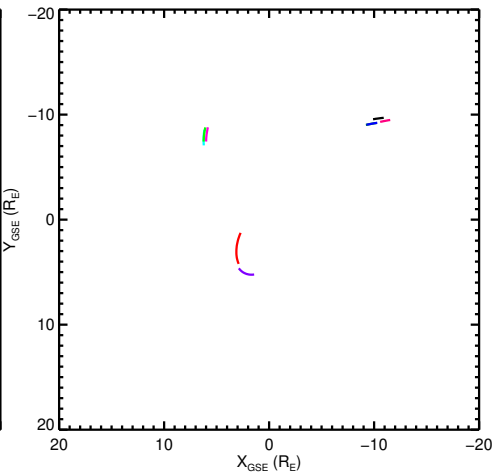


(f) 2210UT to 2355UT
ade bks cve cvw fhe fhw kap sas



dce sps

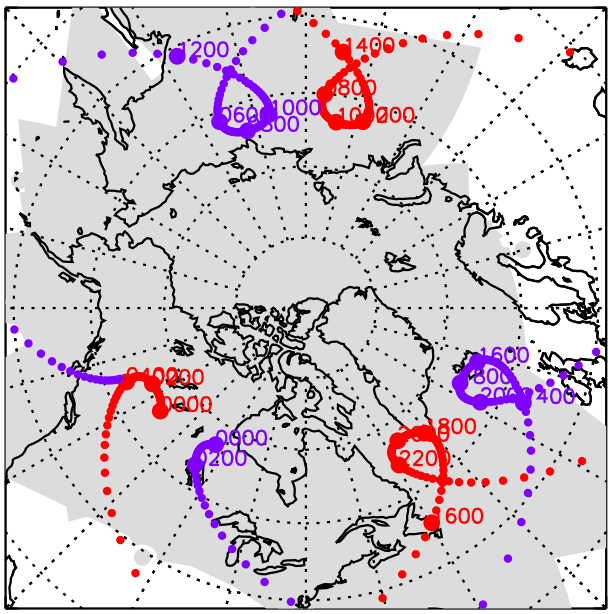


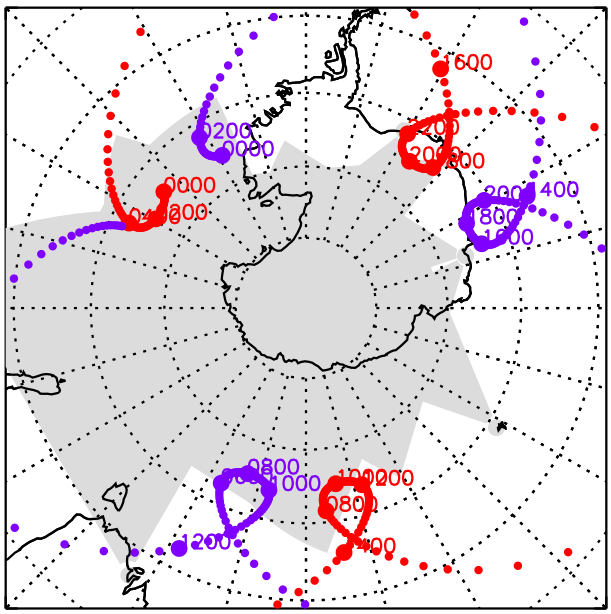


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

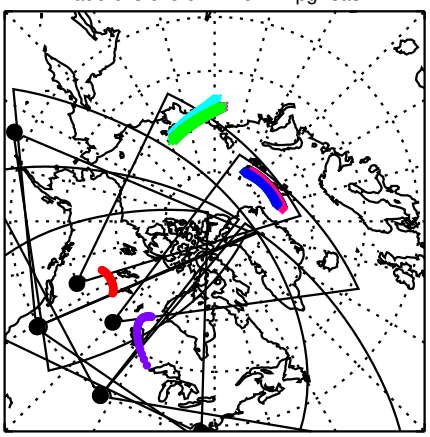
02–Aug–2015

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

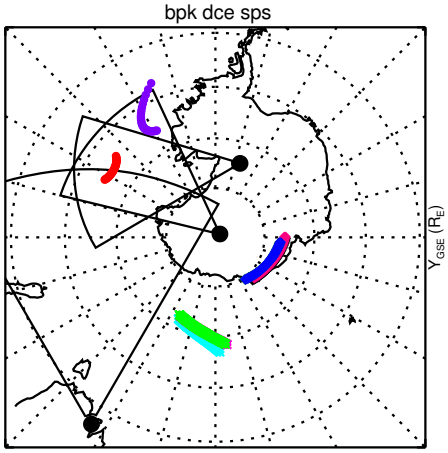


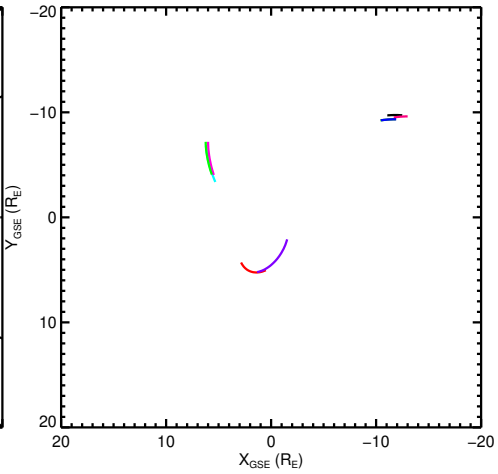


(a) 0000UT to 0245UT
ade bks cve cvw fhe fhw pgr sas

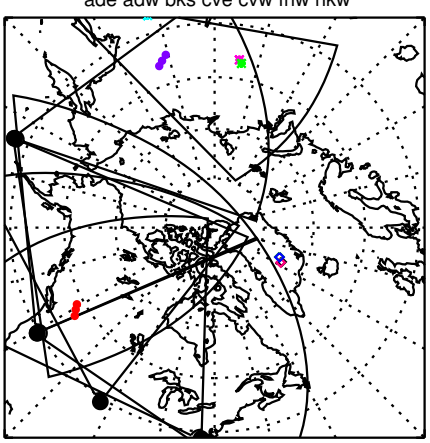


bpk dce sps

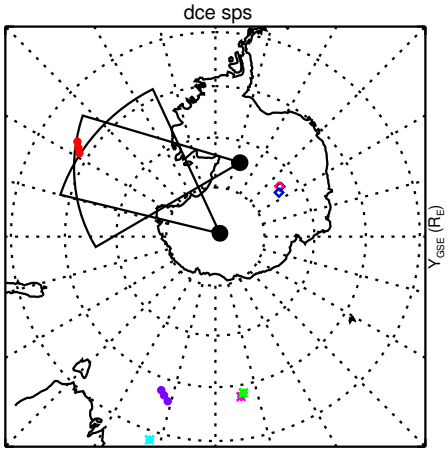


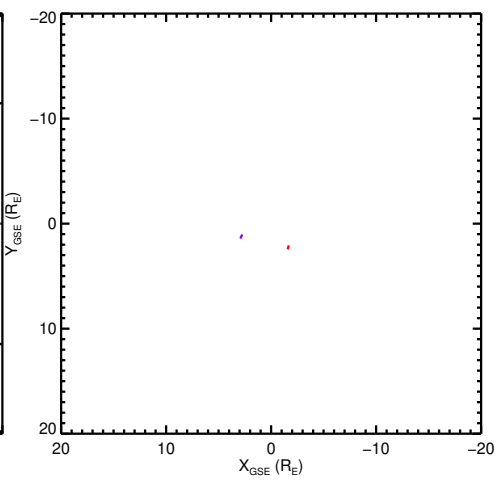


(b) 0450UT to 0500UT
ade adw bks cve cvw fhw hkw

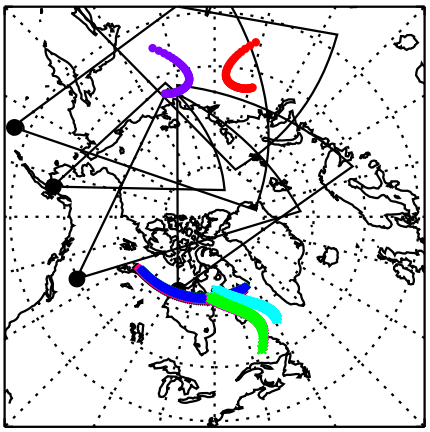


dce sps

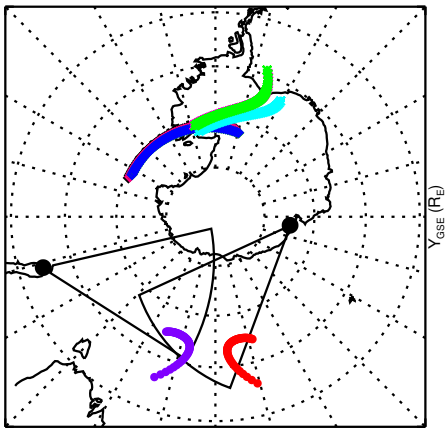


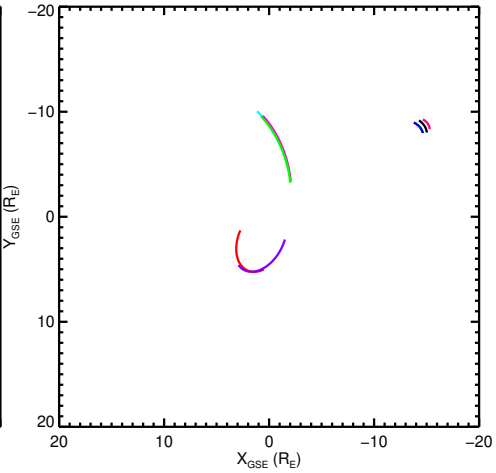


(c) 0710UT to 1145UT
adw hkw ksr pgr rkn

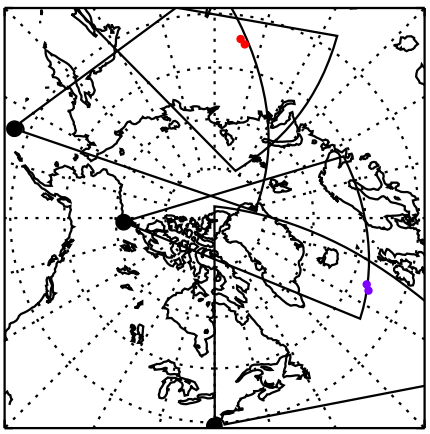


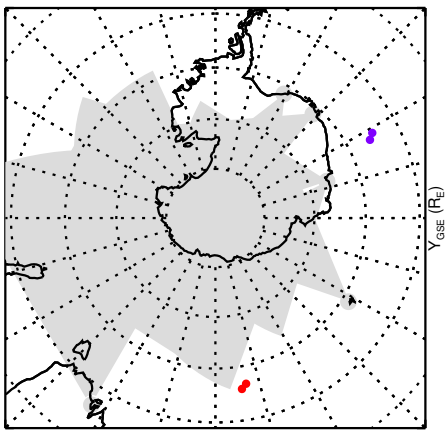
unw zho

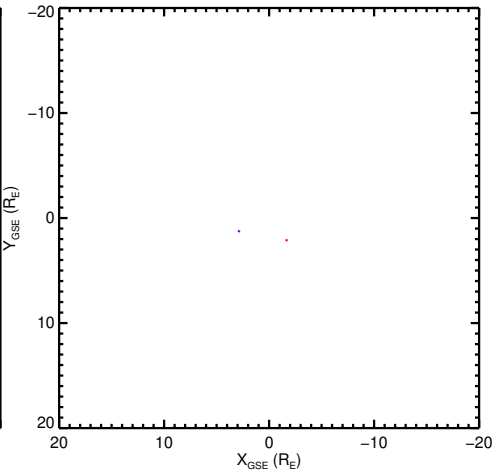




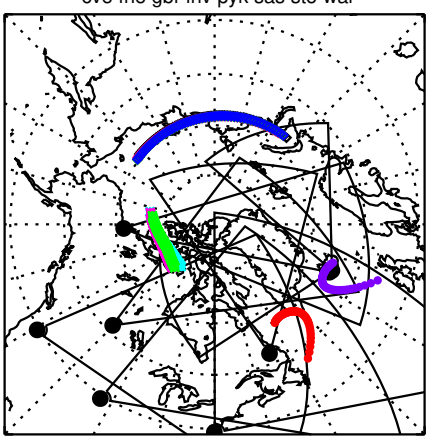
(d) 1355UT to 1400UT
adw hkw inv wal



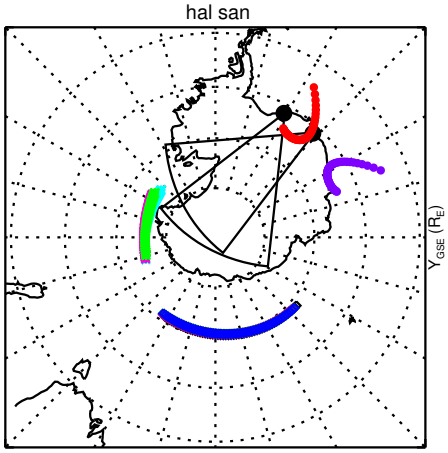


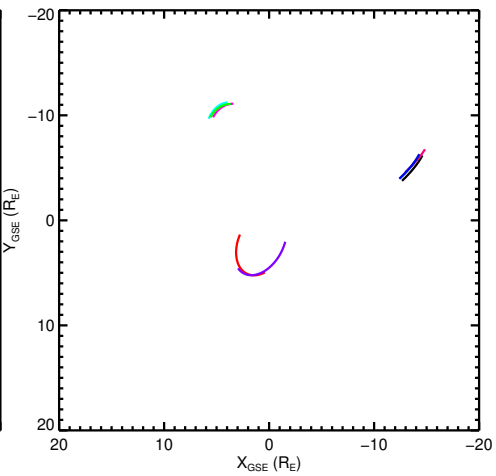


(e) 1610UT to 2050UT
cve fhe gbr inv pyk sas sto wal

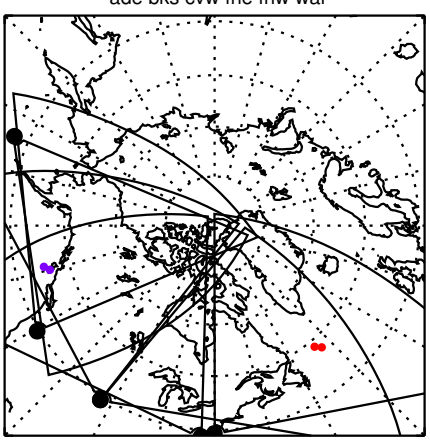


hal san

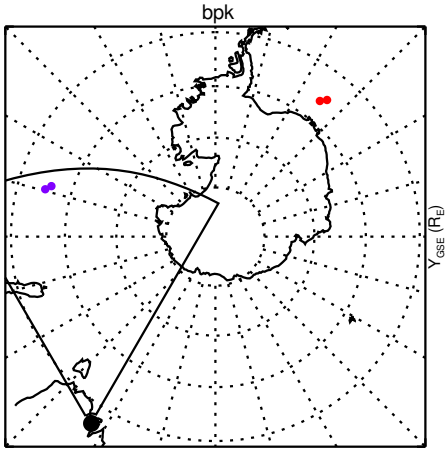


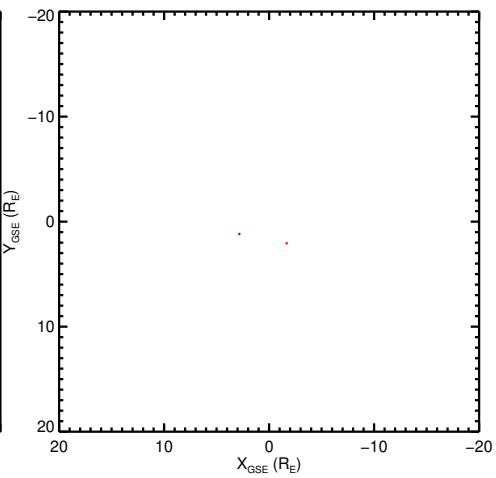


(f) 2255UT to 2300UT
ade bks cvw fhe fhw wal



bpk

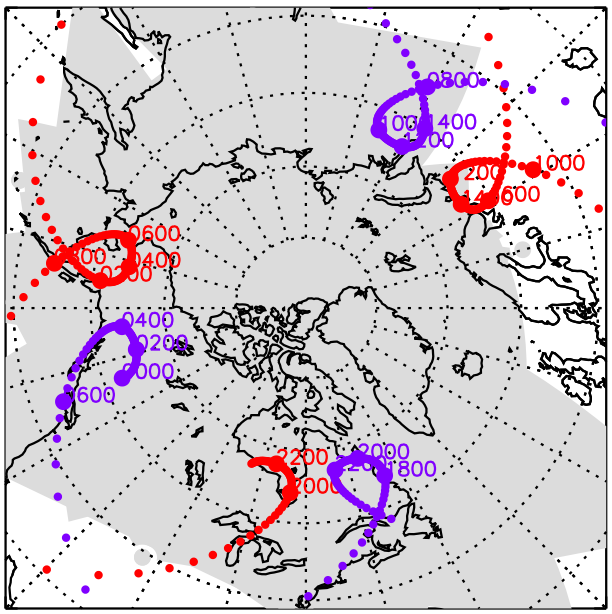


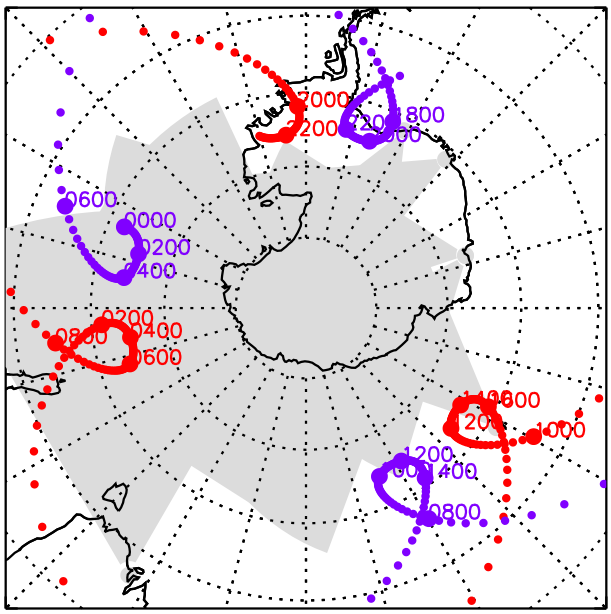


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

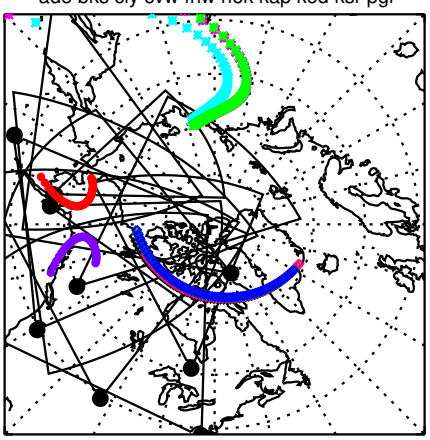
03–Aug–2015

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

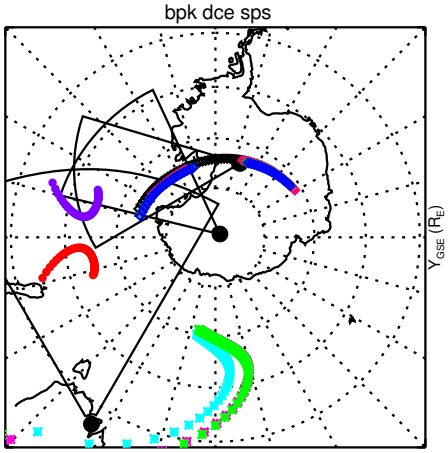


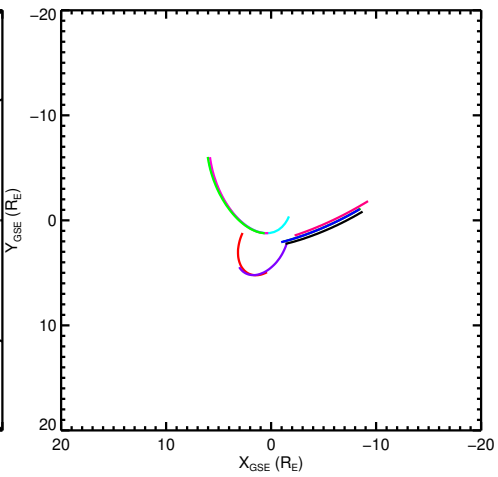


(a) 0105UT to 0550UT
ade bks cly cvw fhw hok kap kod ksr pgr

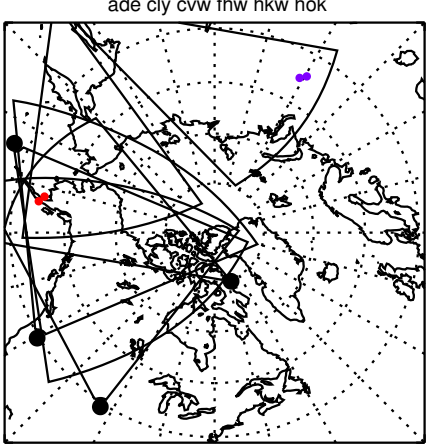


bpk dce sps

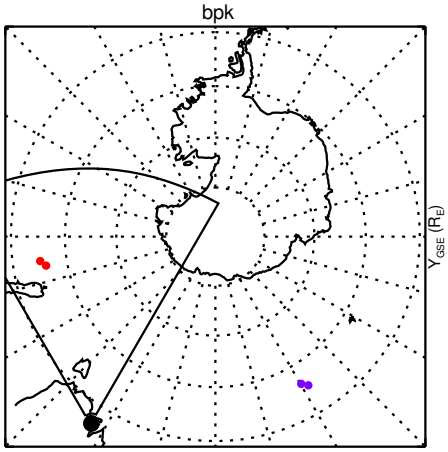


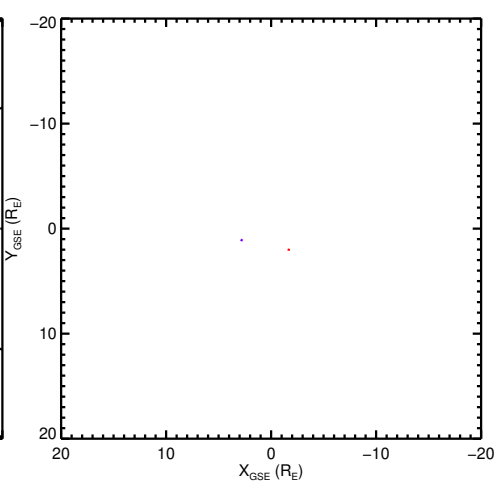


(b) 0755UT to 0800UT
ade cly cvw fhw hkw hok

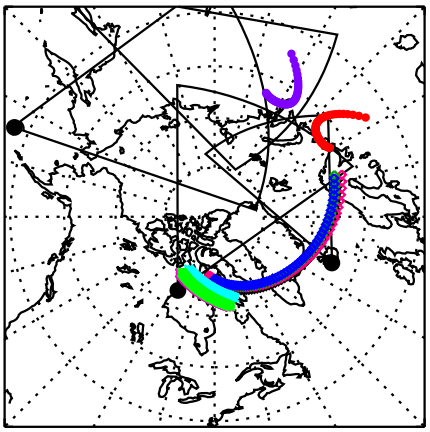


bpk





(c) 1005UT to 1450UT
adw hkw pyk rkn



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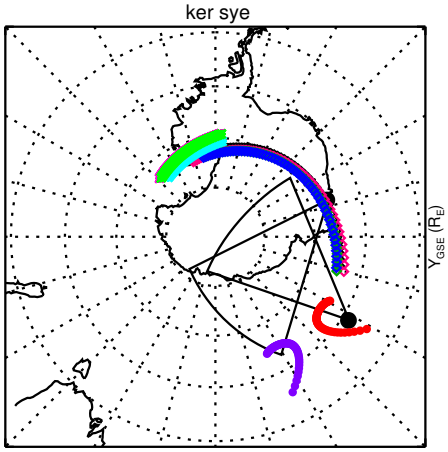
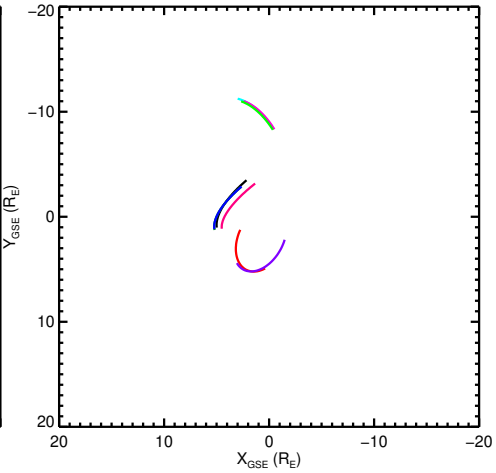
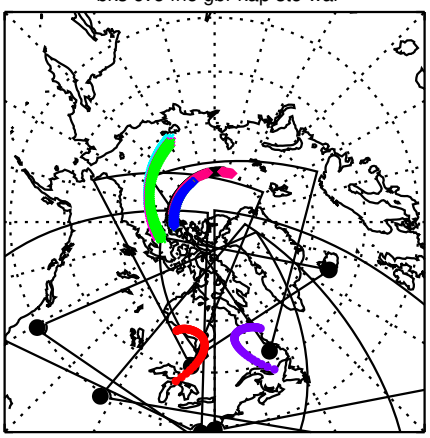
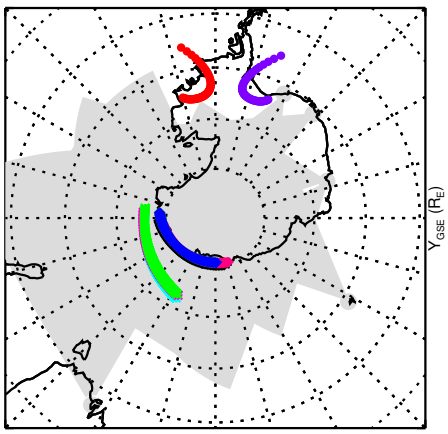
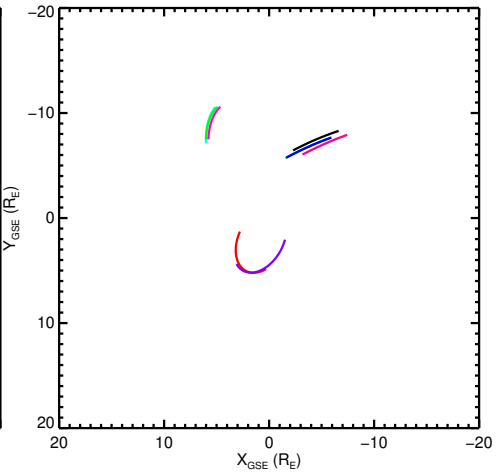




(d) 1905UT to 2355UT
bks cve fhe gbr kap sto wal



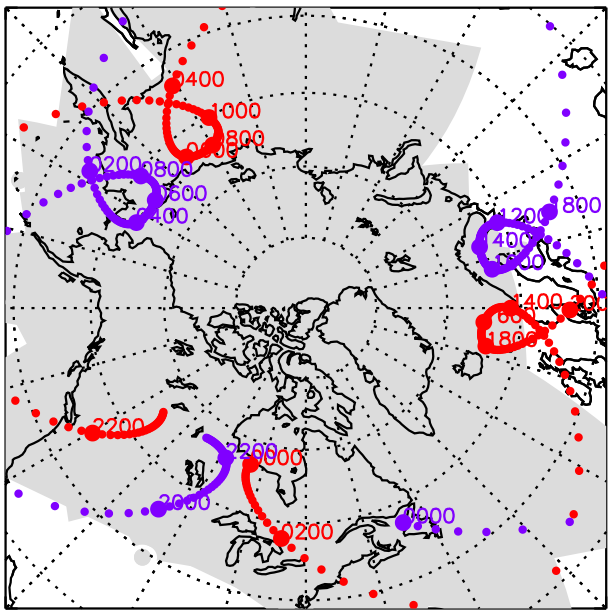


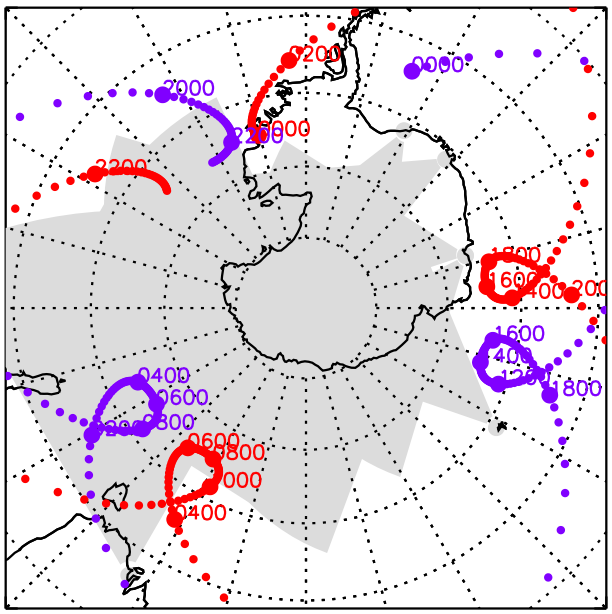


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

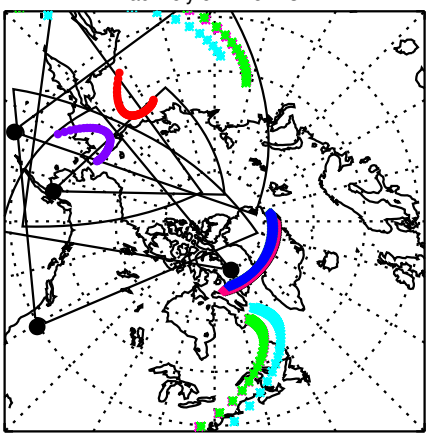
04–Aug–2015

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

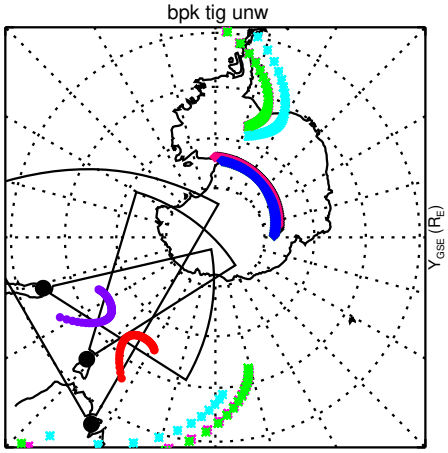


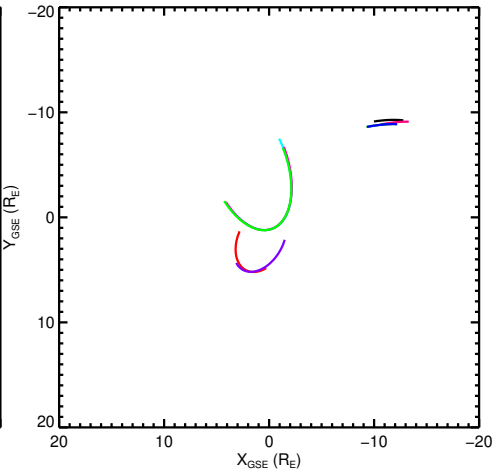


(a) 0405UT to 0855UT
adw cly cvw hok ksr

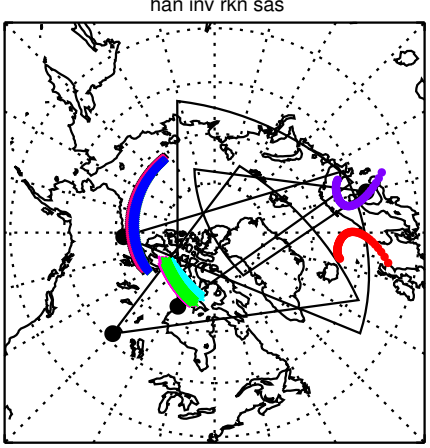


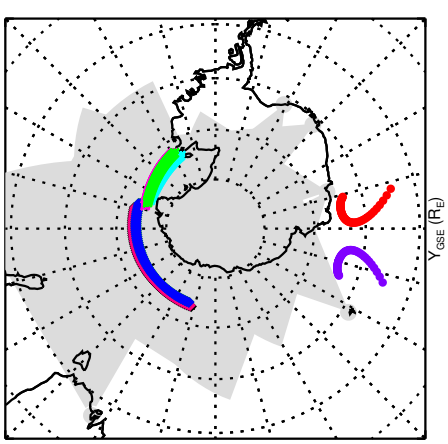
bpk tig unw

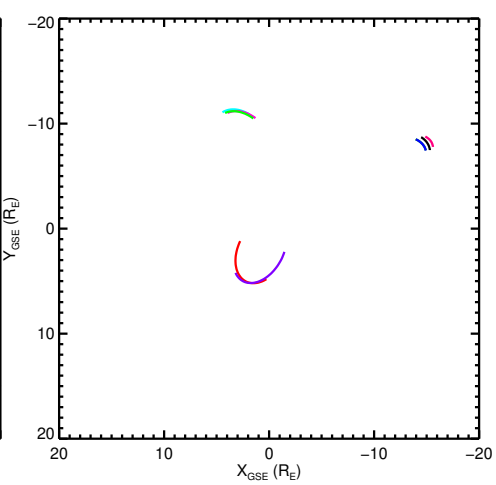


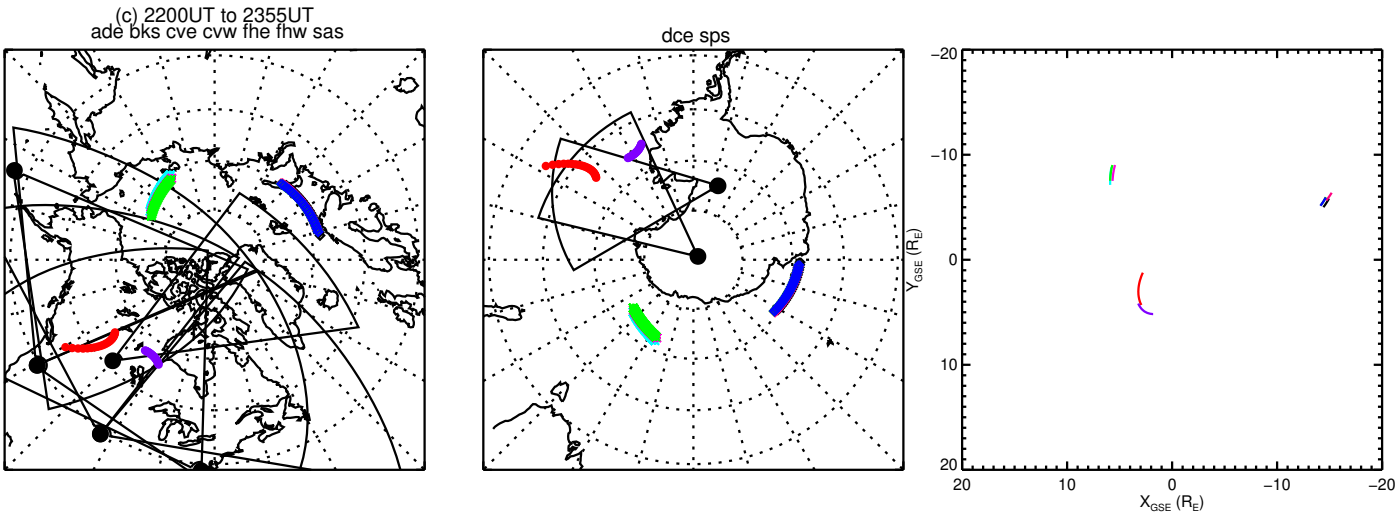


(b) 1300UT to 1755UT
han inv rkn sas





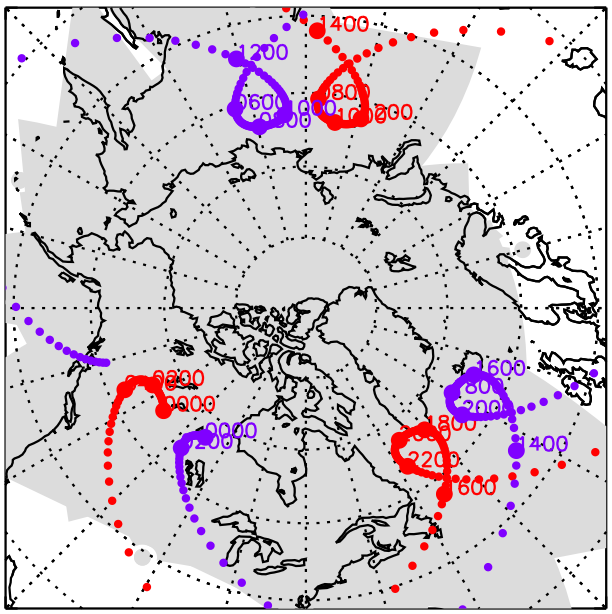


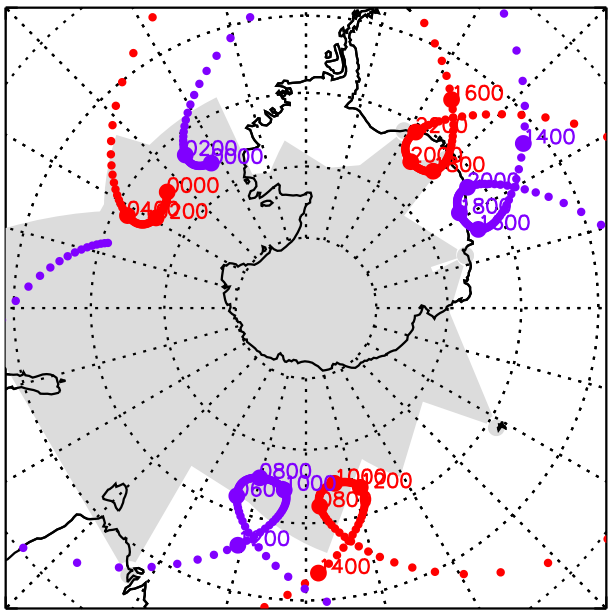

(c) 2200UT to 2355UT
ade bks cve cvw fhe fhw sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

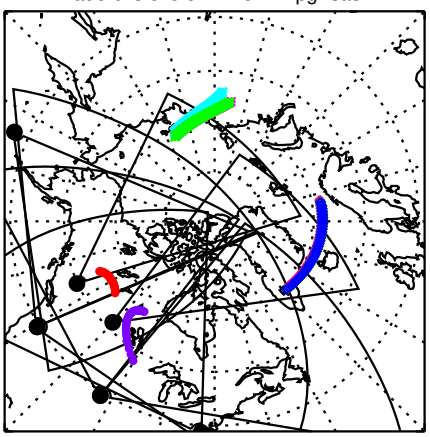
05–Aug–2015

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

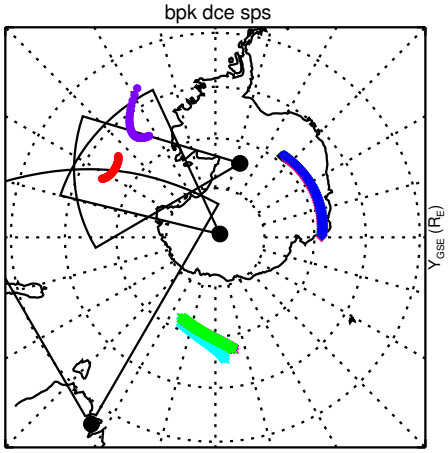


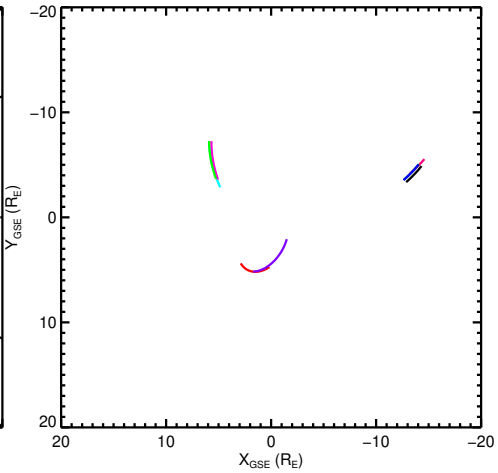


(a) 0000UT to 0300UT
ade bks cve cvw fhe fhw pgr sas

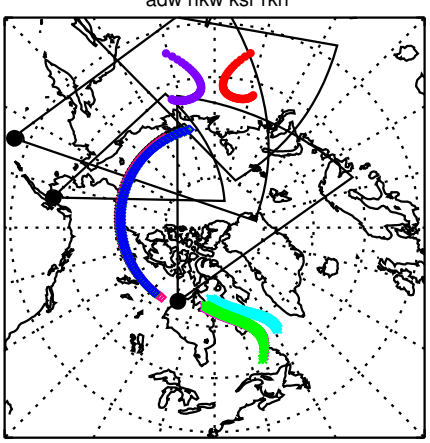


bpk dce sps

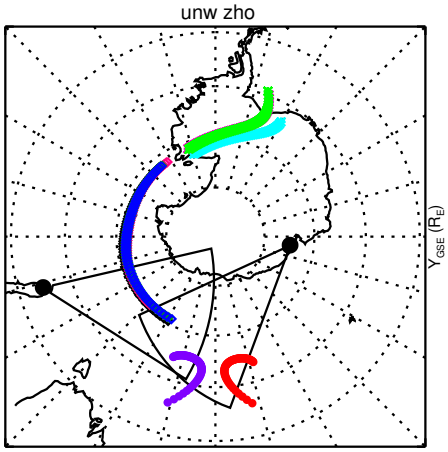


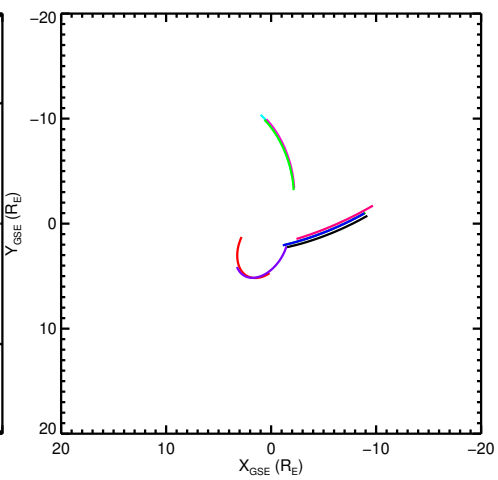


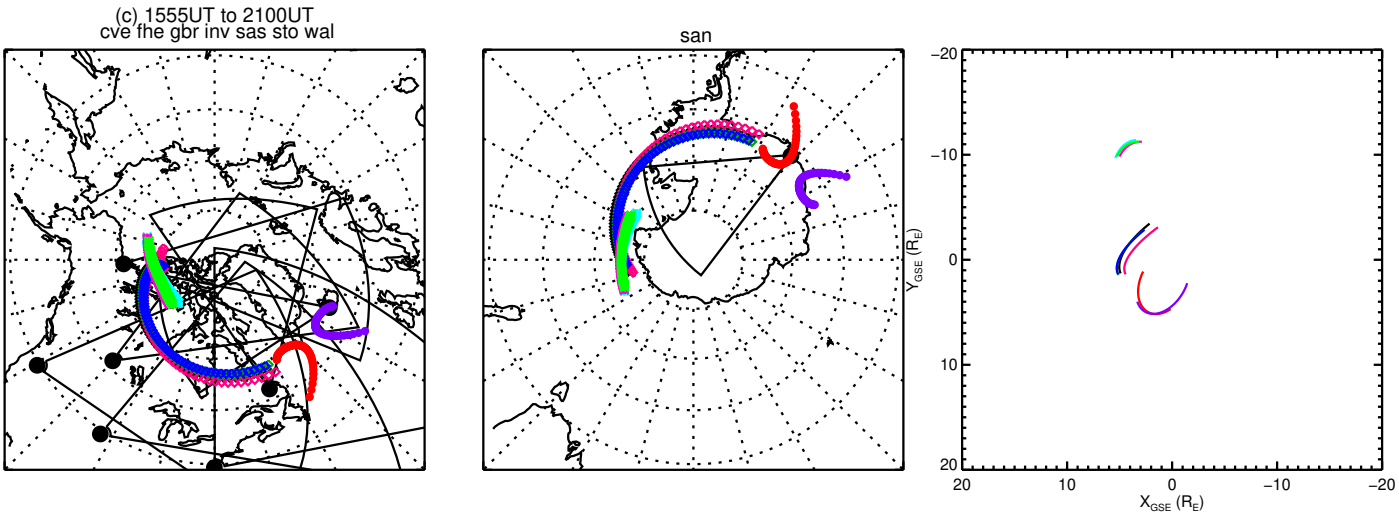
(b) 0700UT to 1200UT
adw hkw ksr rkn



unw zho



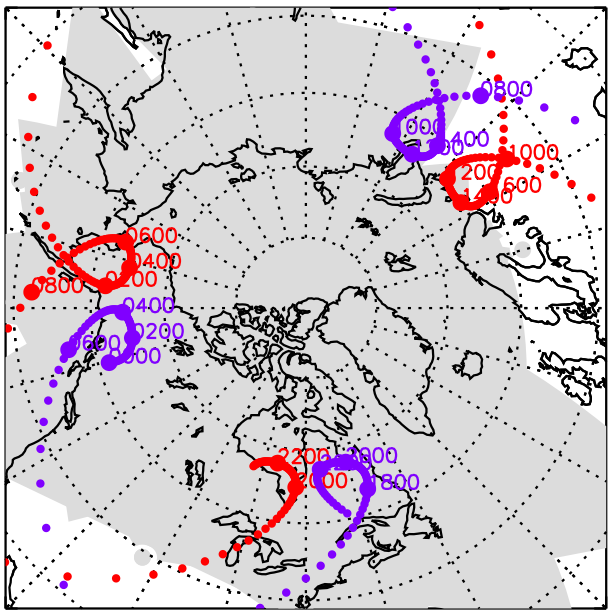


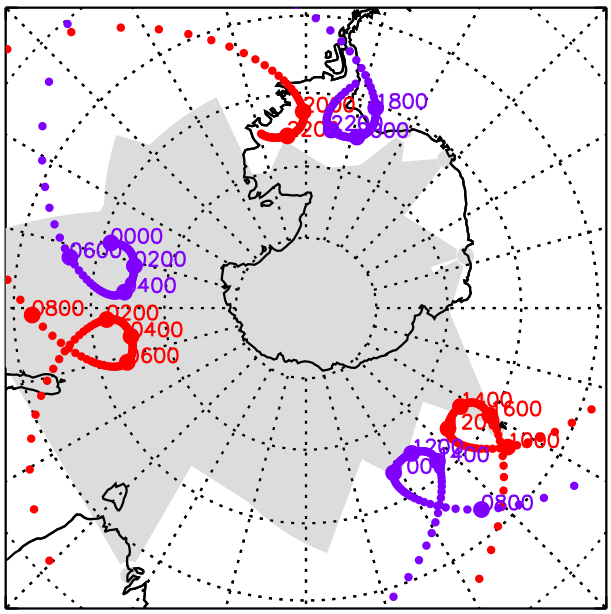

(c) 1555UT to 2100UT
cve fhe gbr inv sas sto wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

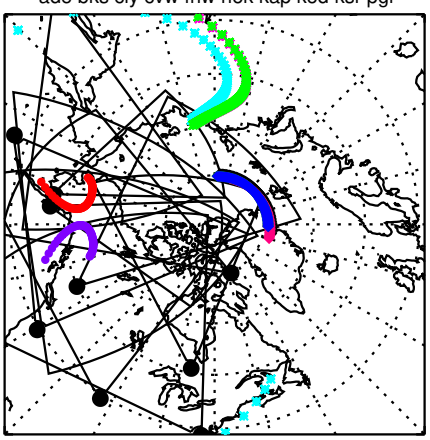
06–Aug–2015

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

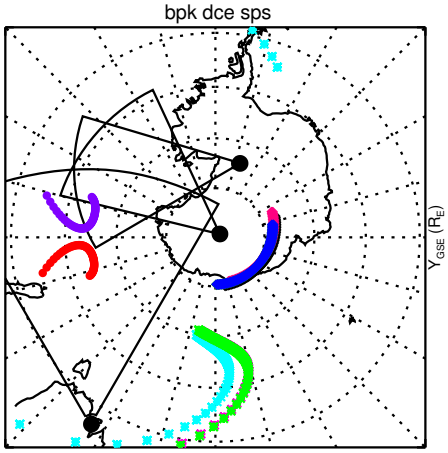


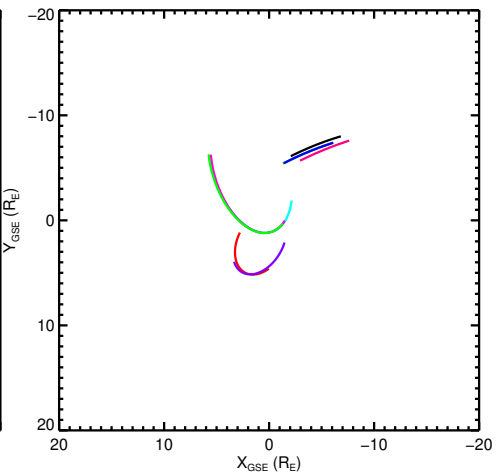


(a) 0055UT to 0605UT
ade bks cly cvw fhw hok kap kod ksr pgr

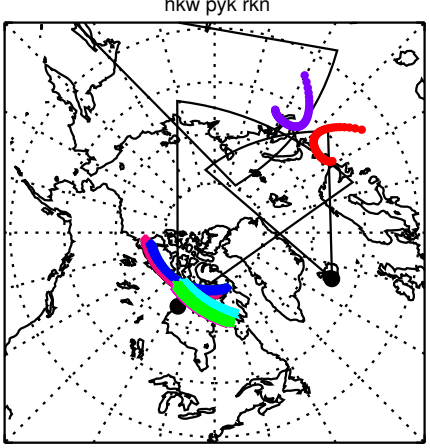


bpk dce sps

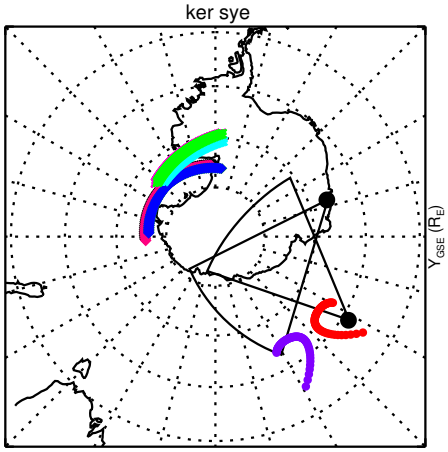


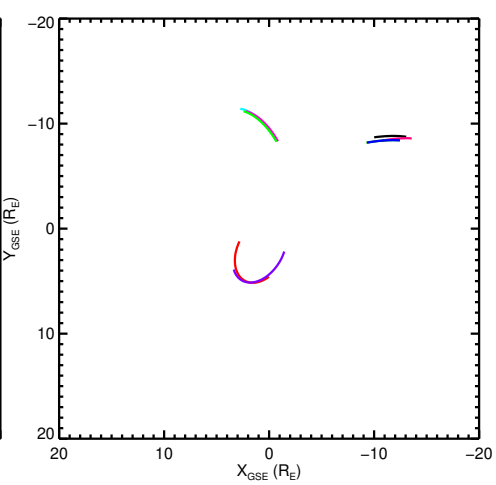


(b) 0955UT to 1505UT
hkw pyk rkn

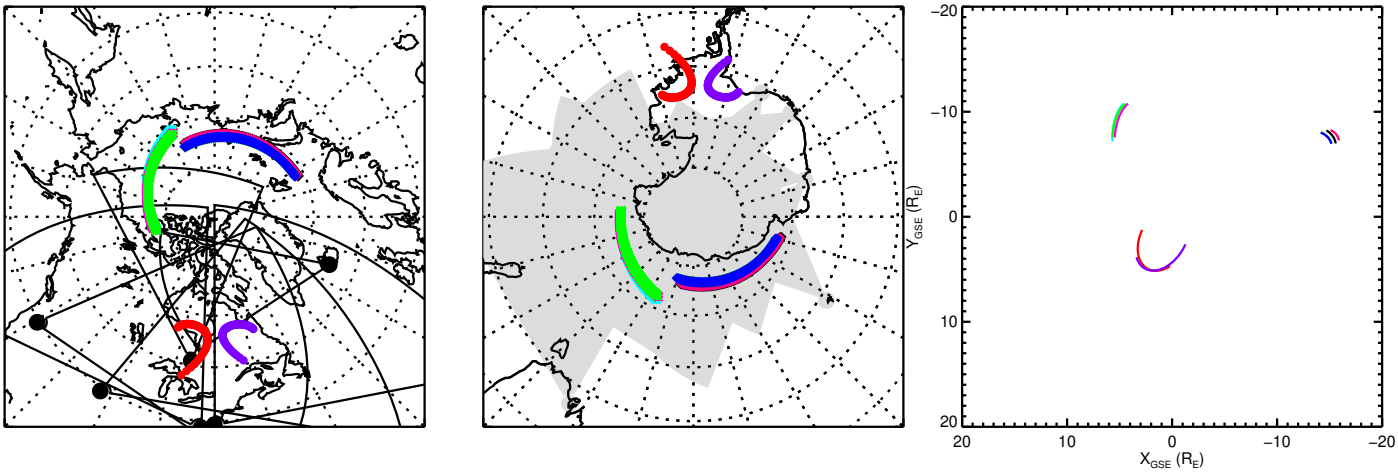


ker sye





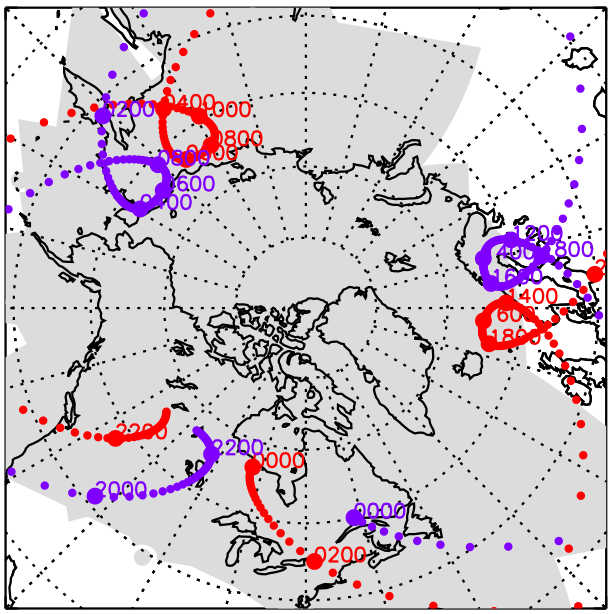
(c) 1855UT to 2355UT
bks cve fhe kap sto wal

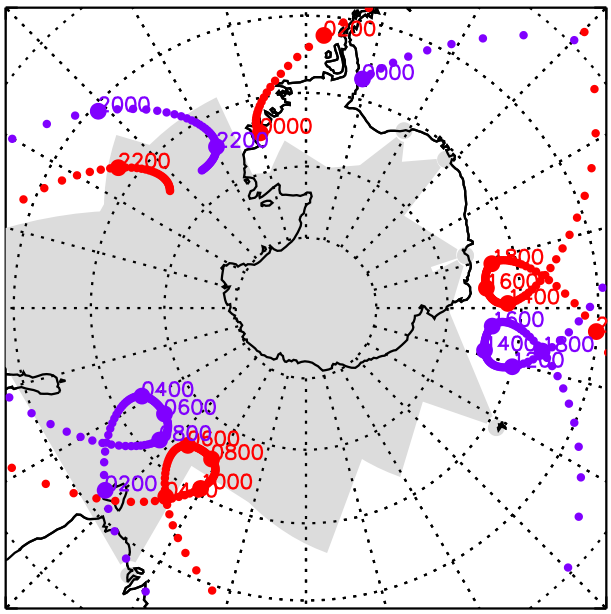


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

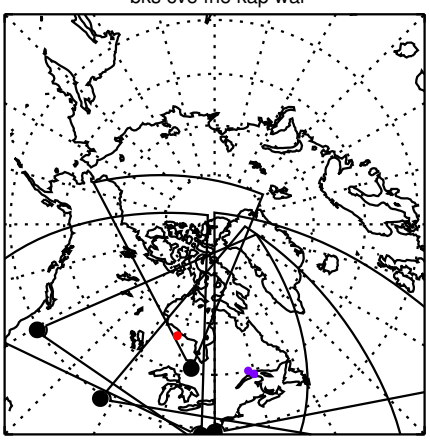
07–Aug–2015

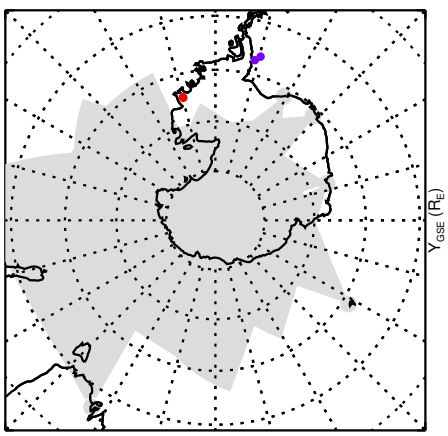
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

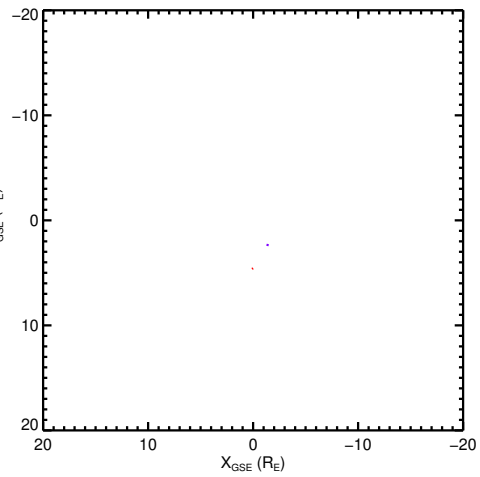




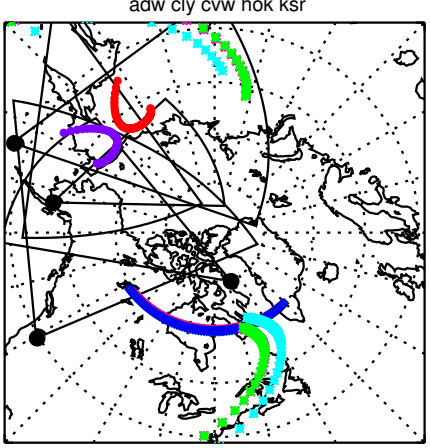
(a) 0000UT to 0005UT
bks cve fhe kap wal



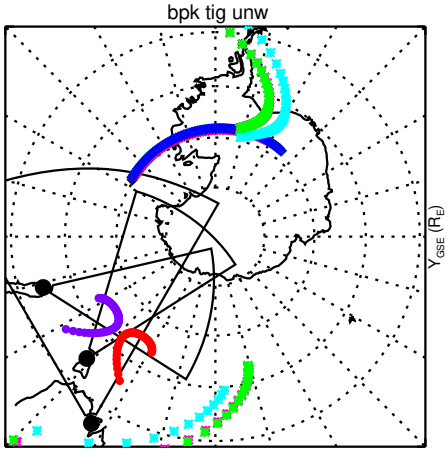


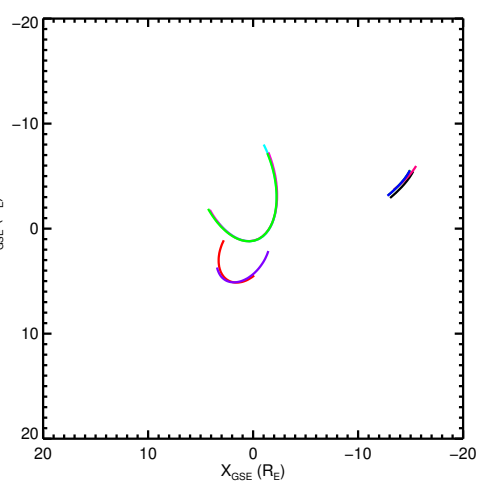


(b) 0350UT to 0910UT
adw cly cvw hok ksr

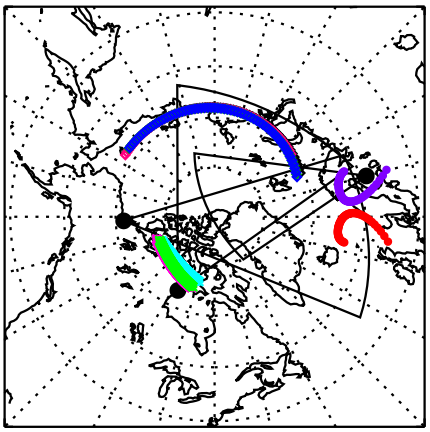


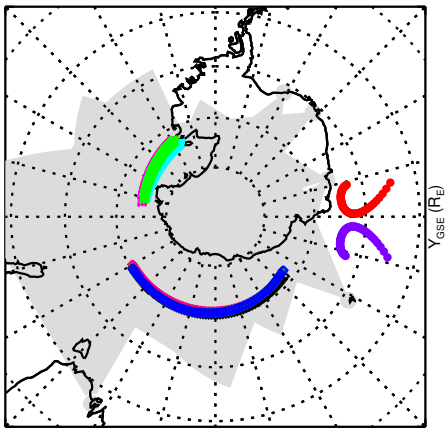
bpk tig unw

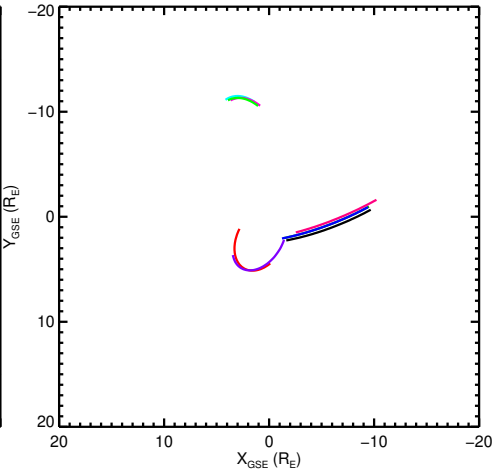




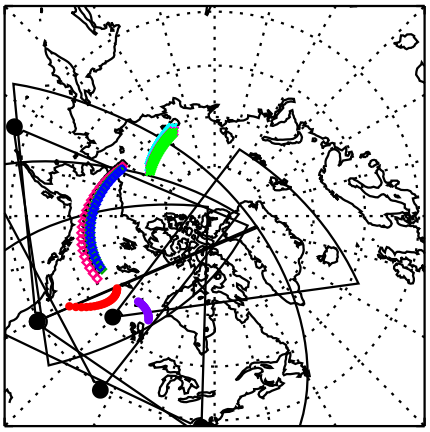
(c) 1250UT to 1810UT
han inv rkn



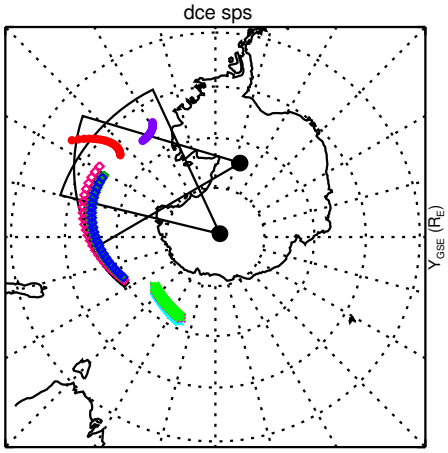


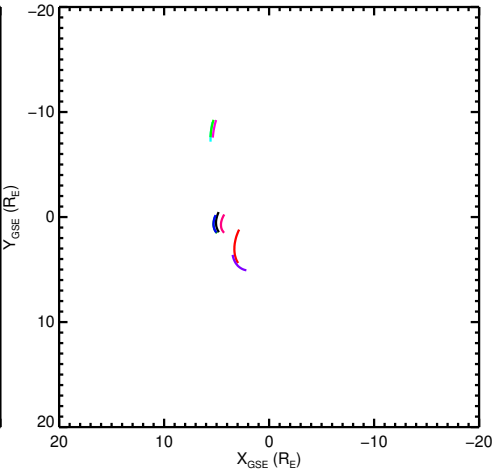


(d) 2150UT to 2355UT
ade bks cve cvw fhw sas



dce sps

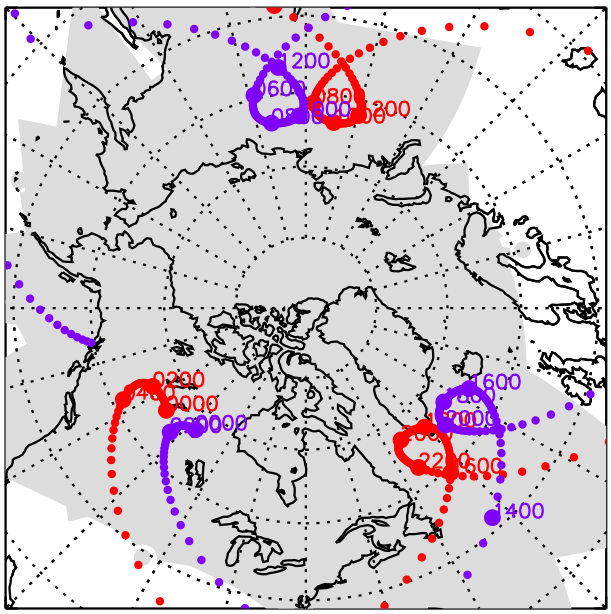


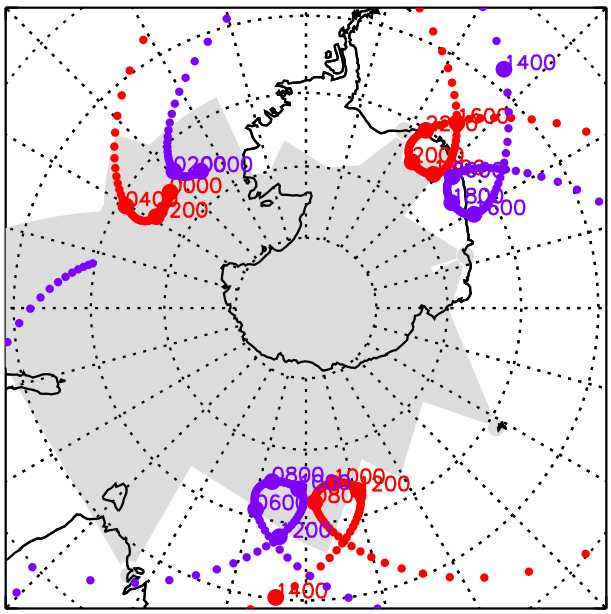


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

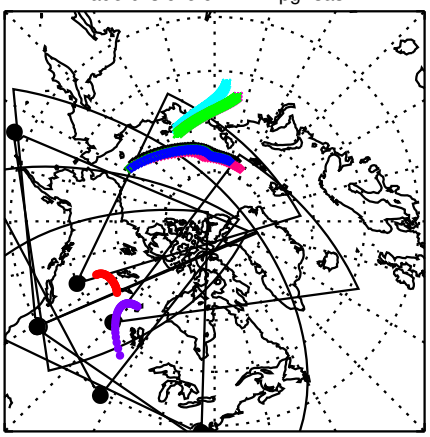
08–Aug–2015

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

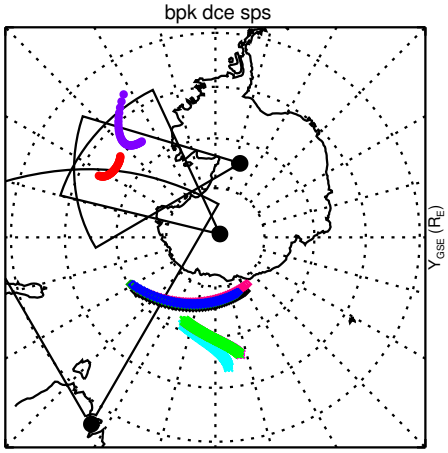


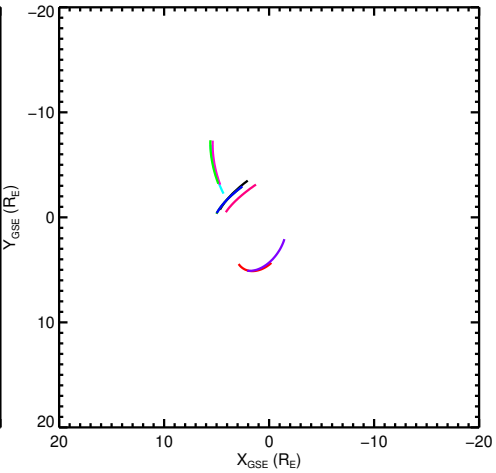


(a) 0000UT to 0315UT
ade bks cve cvw fhw pgr sas

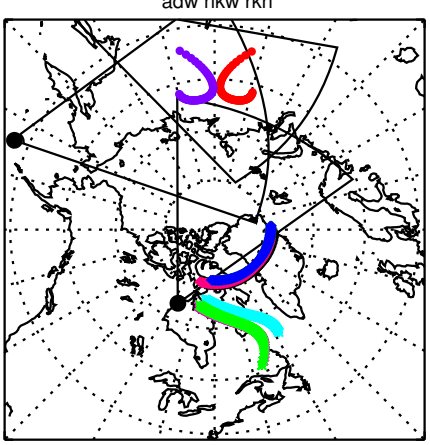


bpk dce sps

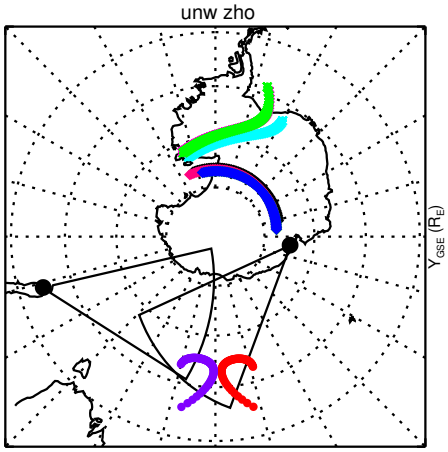


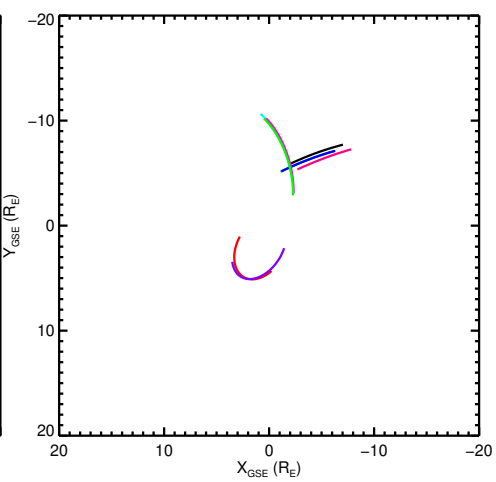


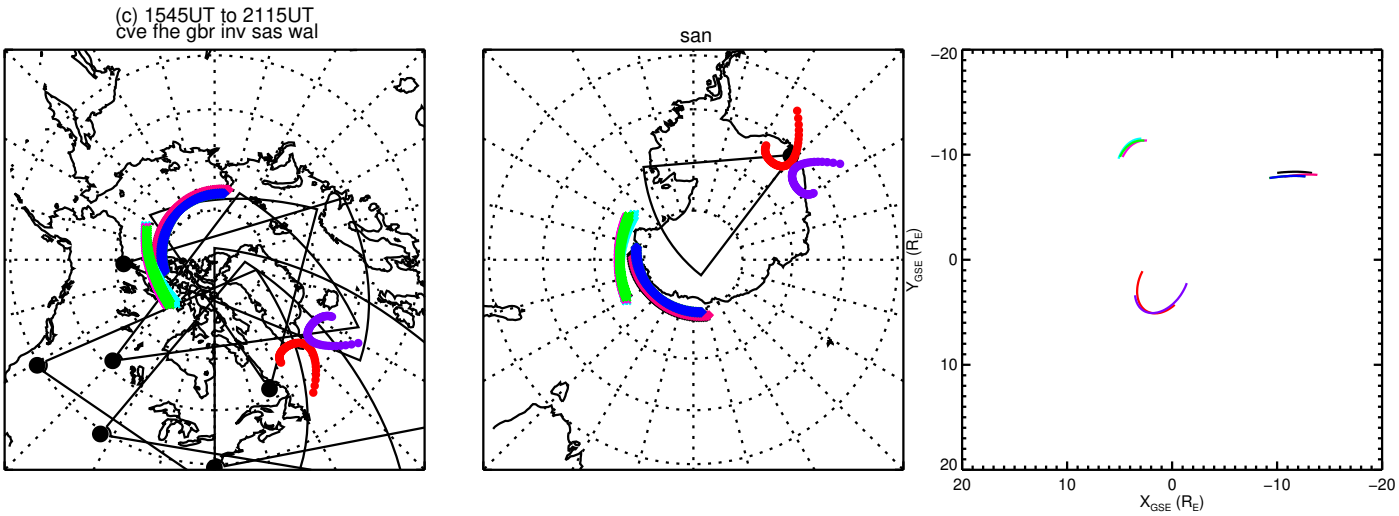
(b) 0645UT to 1215UT
adw hkw rkn



unw zho



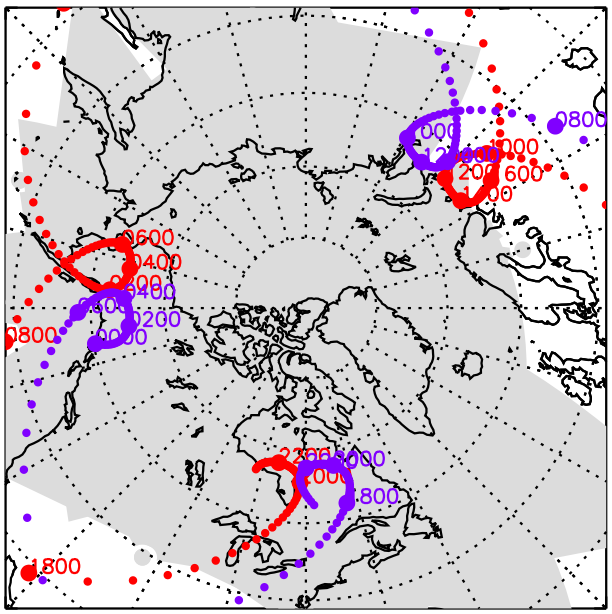


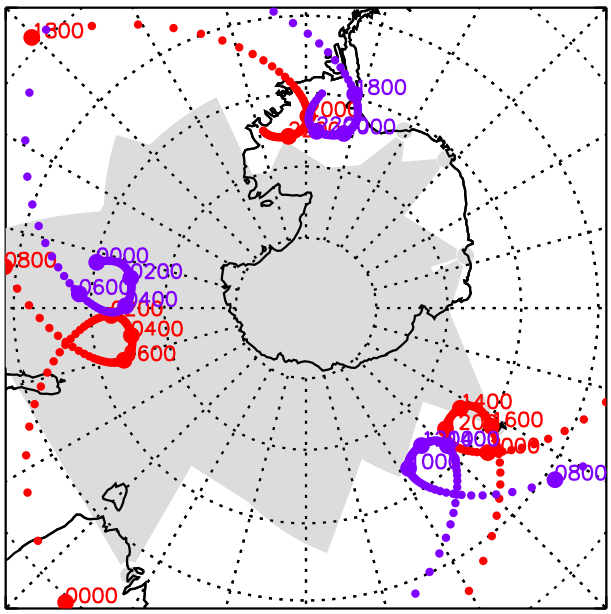

(c) 1545UT to 2115UT
cve fhe gbr inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

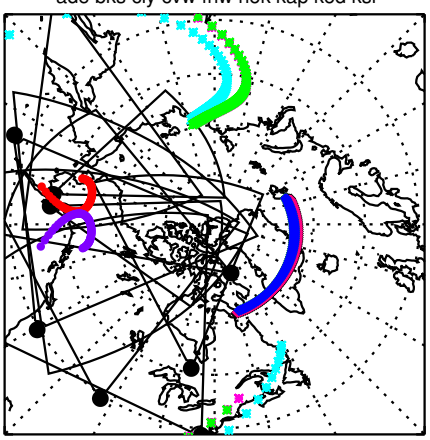
09–Aug–2015

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

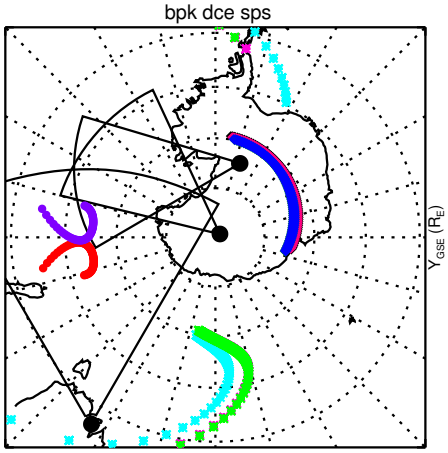


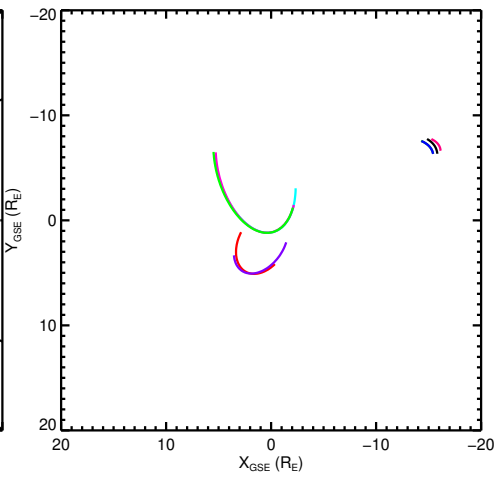


(a) 0045UT to 0620UT
ade bks cly cvw fhw hok kap kod ksr

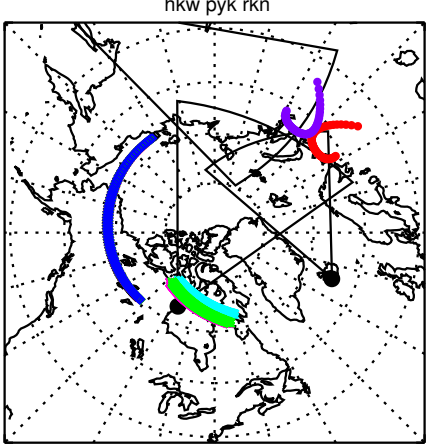


bpk dce sps

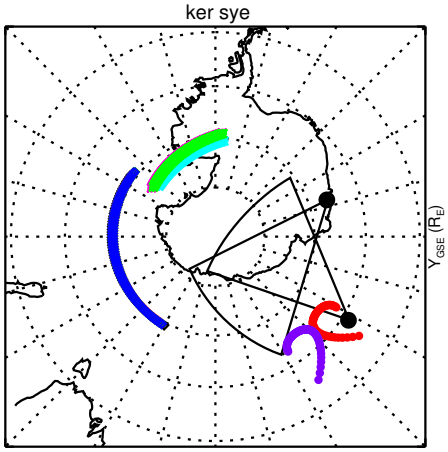


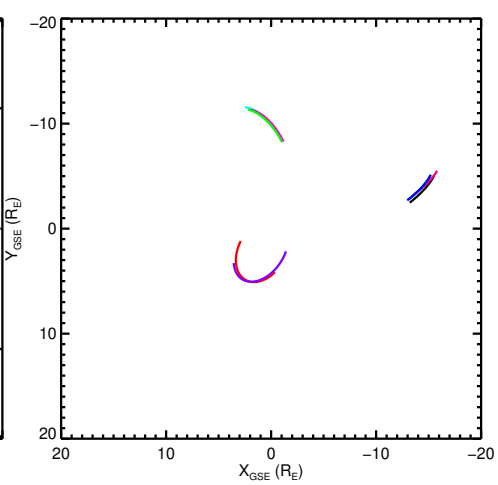


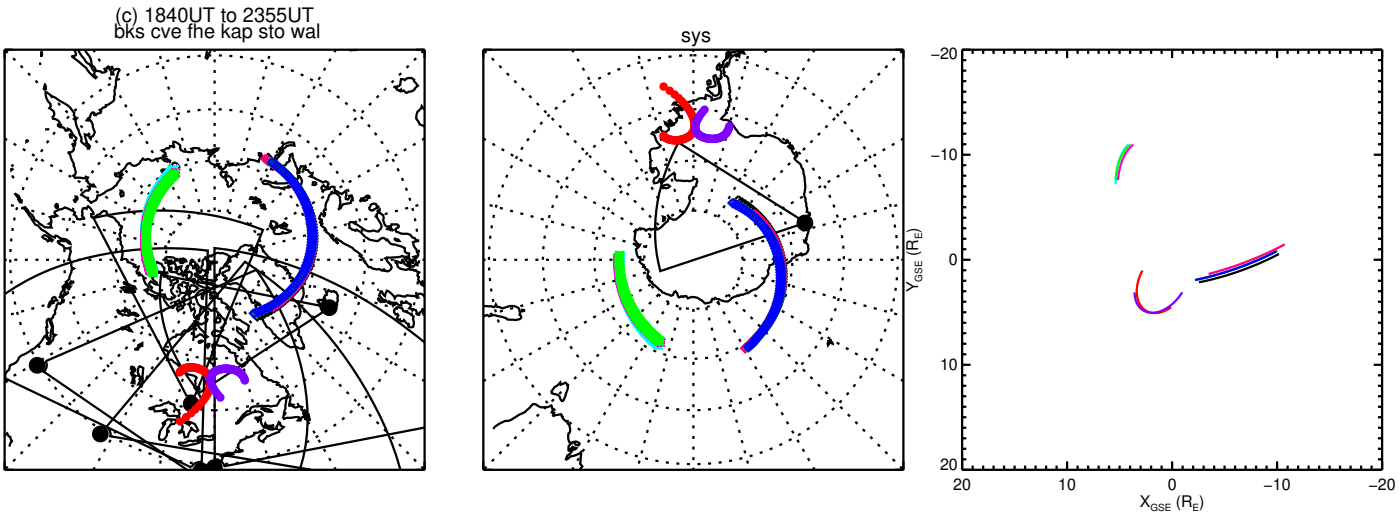
(b) 0945UT to 1520UT
hkw pyk rkn



ker sye



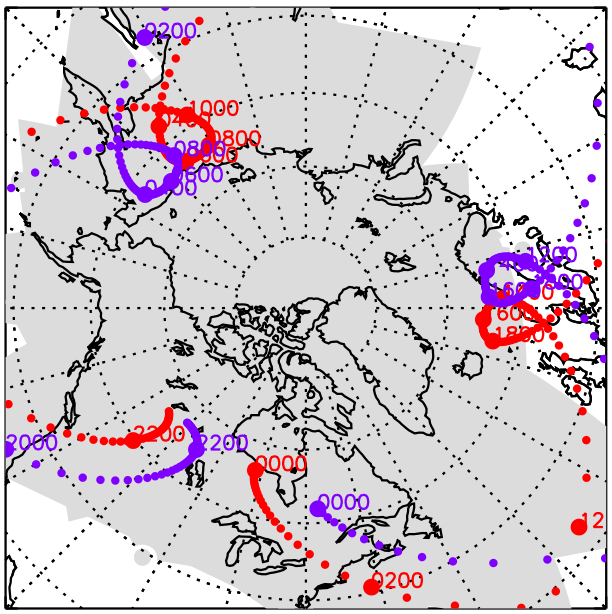


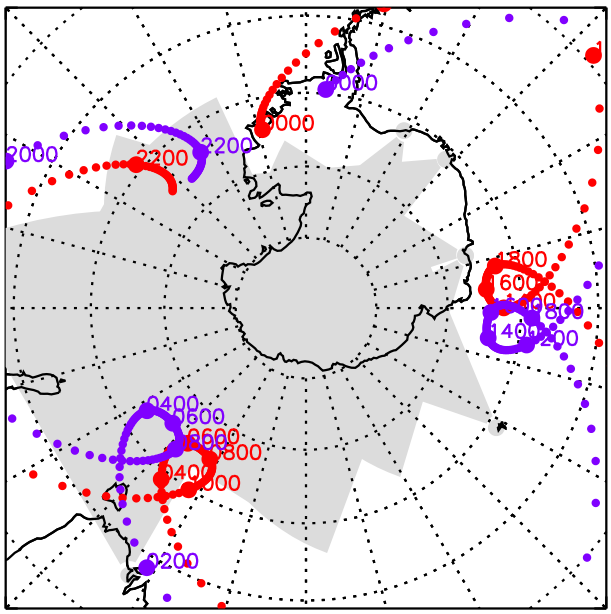

(c) 1840UT to 2355UT
bks cve fhe kap sto wal
sys
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

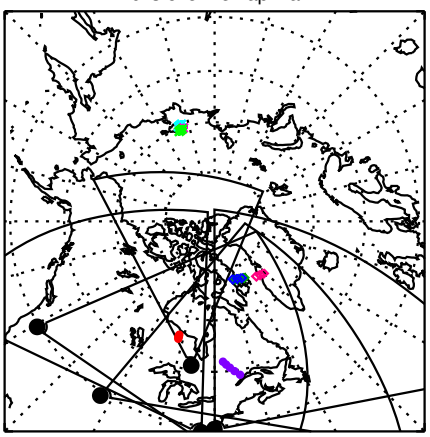
10–Aug–2015

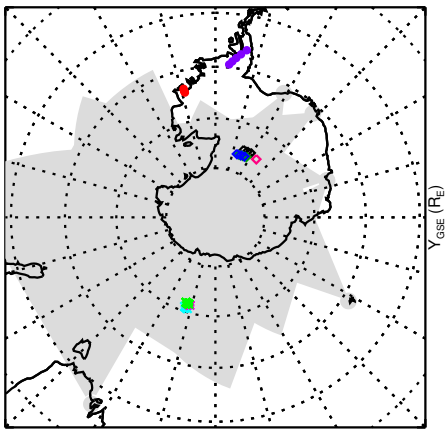
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

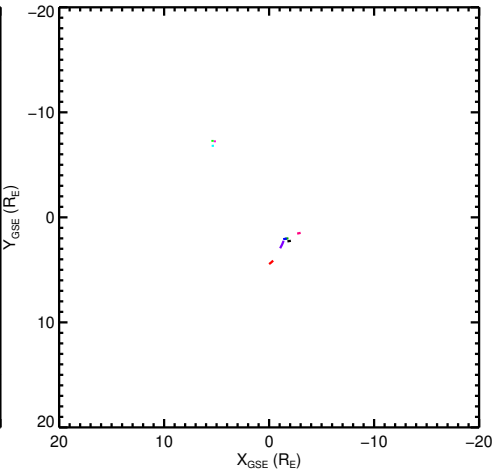




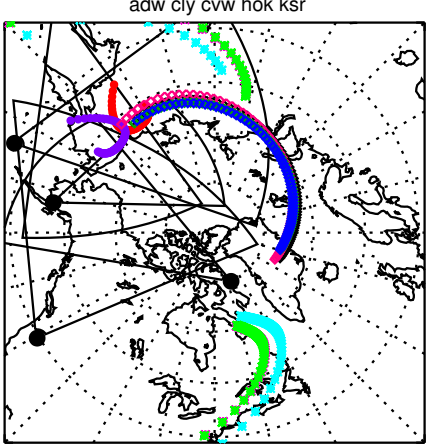
(a) 0000UT to 0020UT
bks cve fhe kap wal



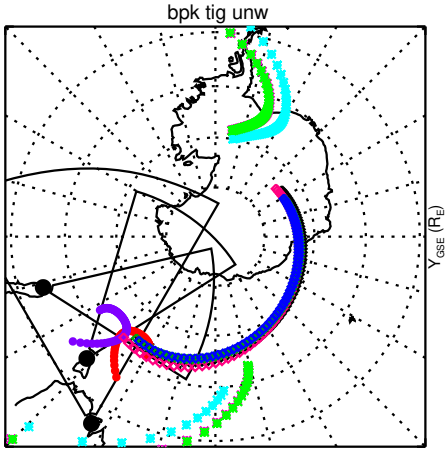


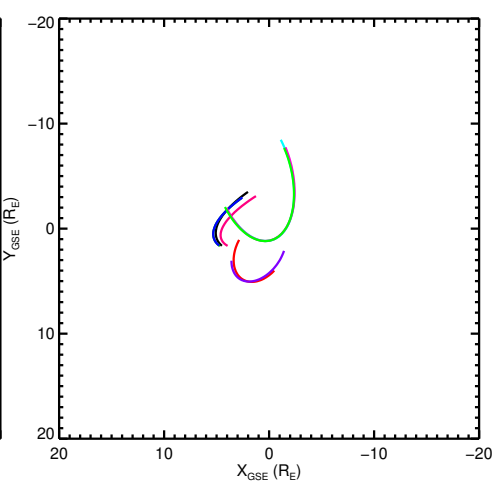


(b) 0340UT to 0925UT
adw cly cvw hok ksr

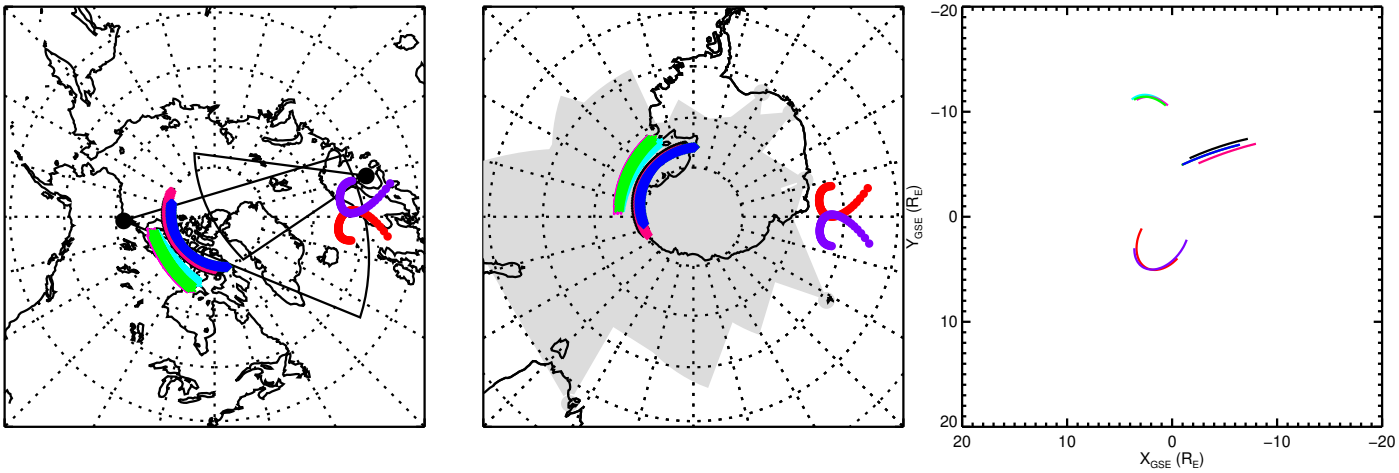


bpk tig unw



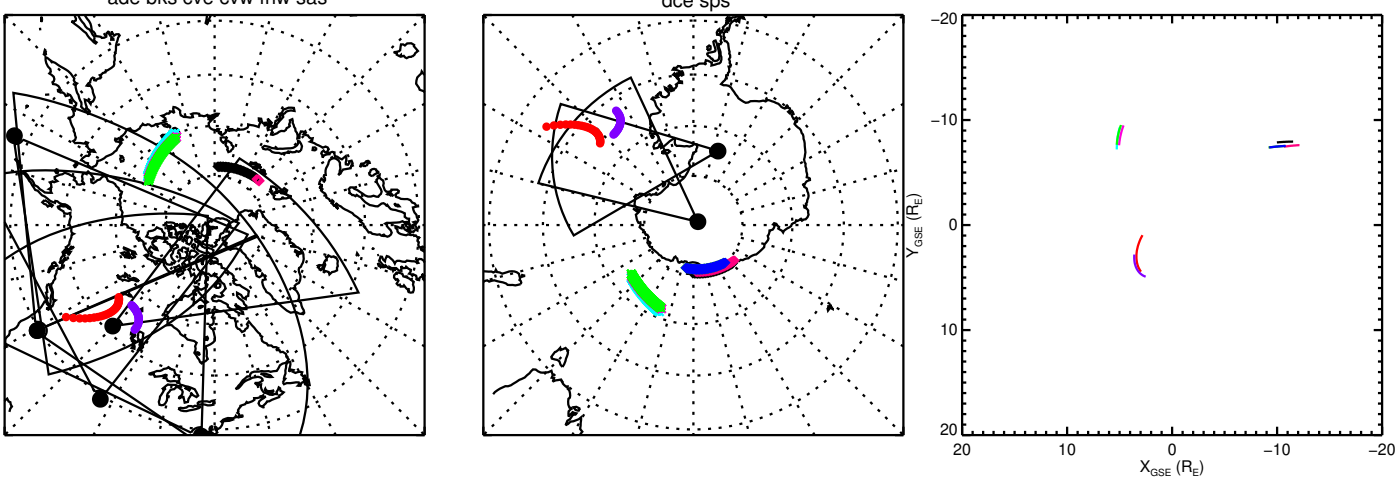


(c) 1240UT to 1825UT
han inv



(d) 2135UT to 2355UT
ade bks cve cvw fhw sas

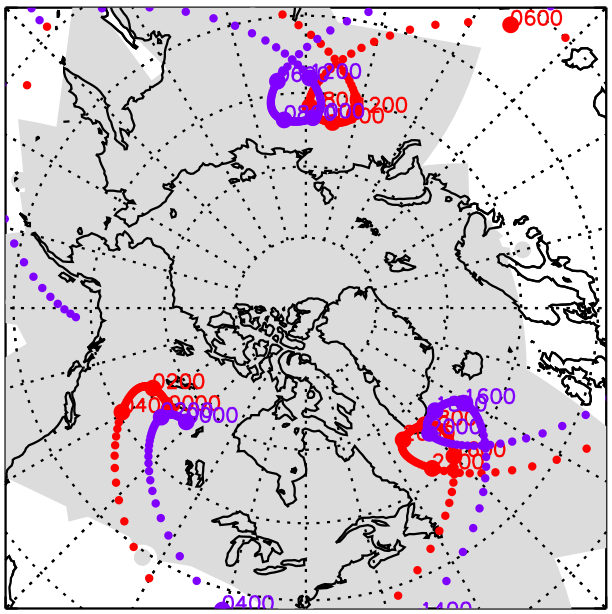
dce sps

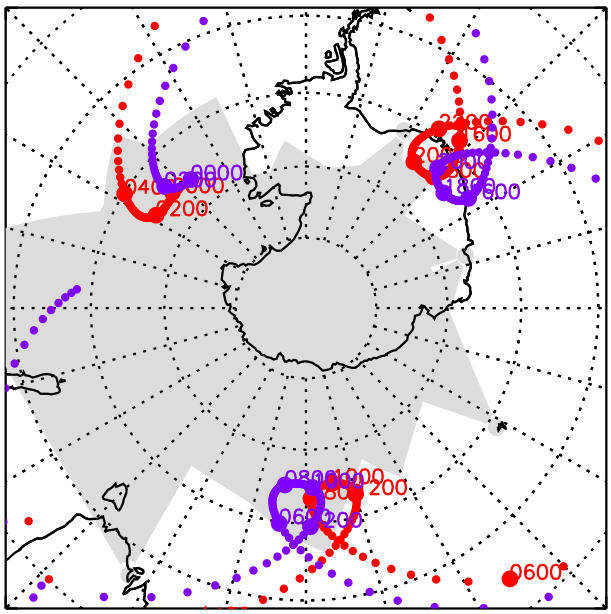


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

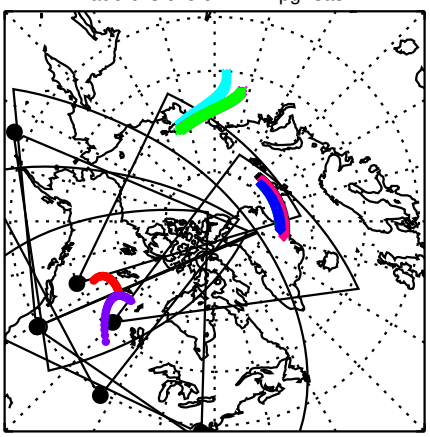
11–Aug–2015

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

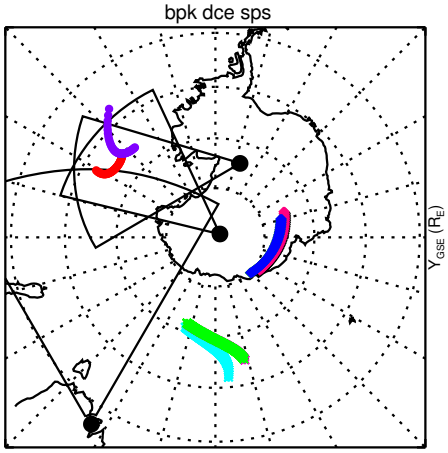


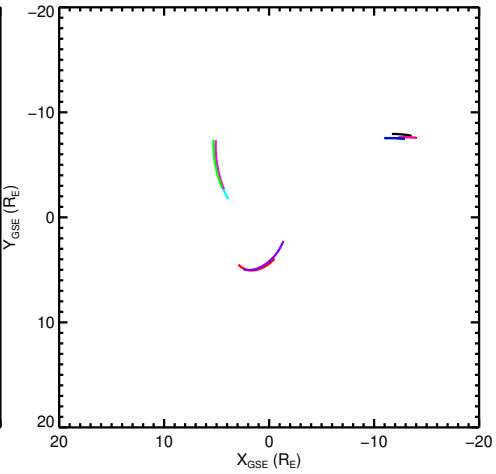


(a) 0000UT to 0325UT
ade bks cve cvw fhw pgr sas

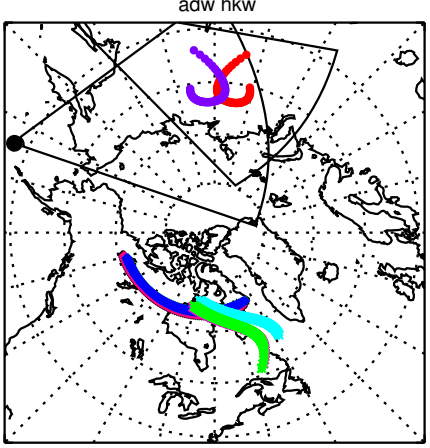


bpk dce sps

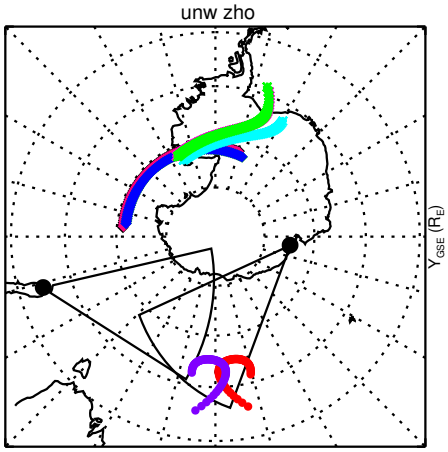


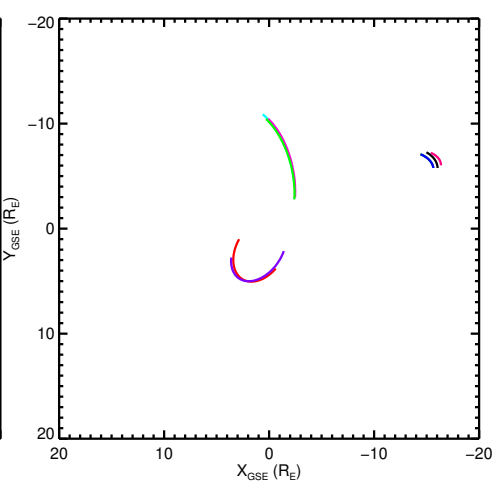


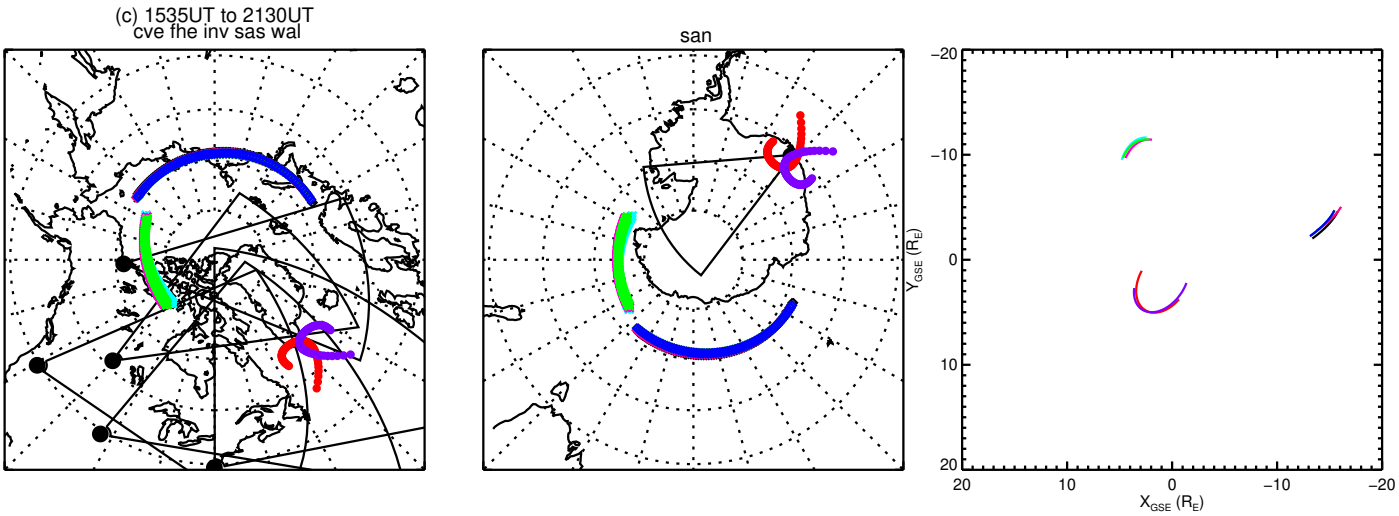
(b) 0635UT to 1230UT
adw hkw



unw zho



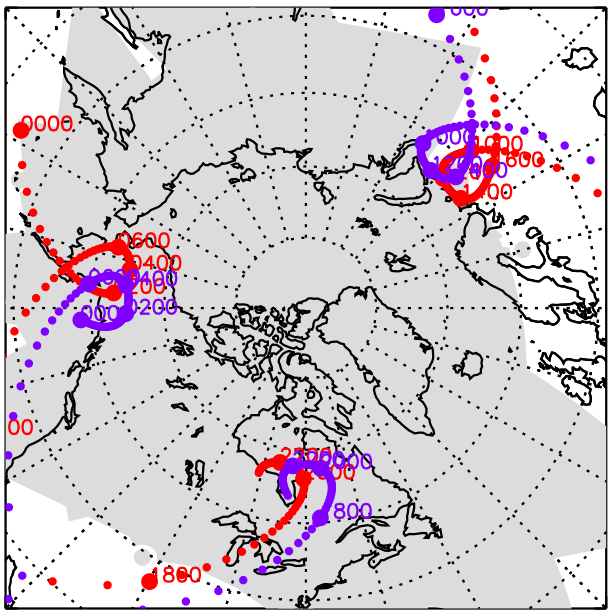


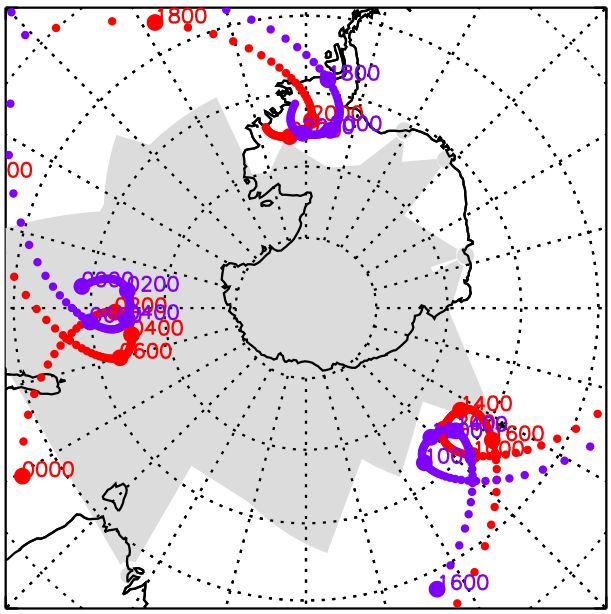

(c) 1535UT to 2130UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

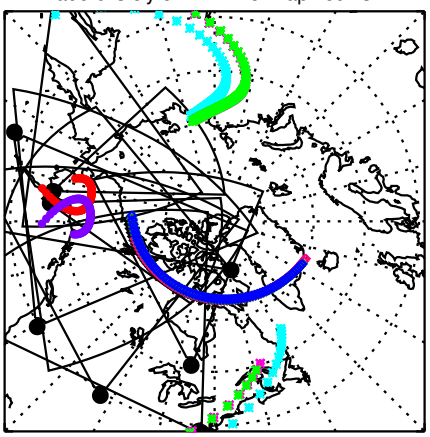
12–Aug–2015

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

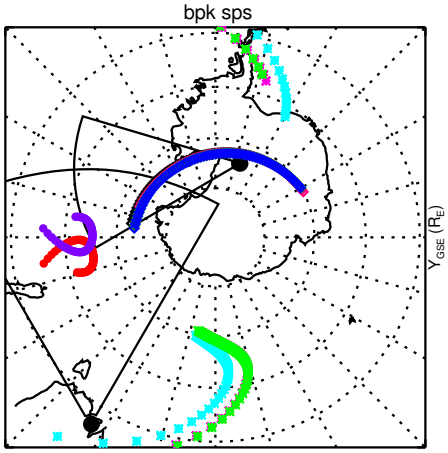


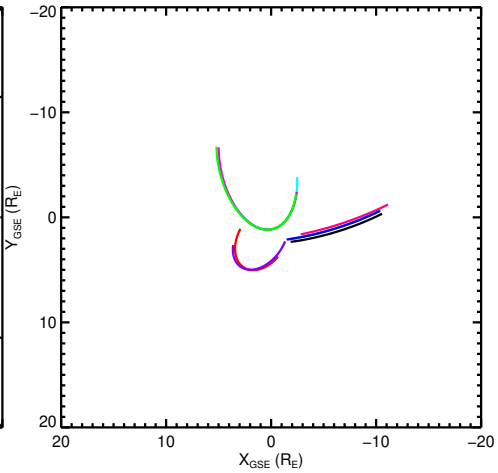


(a) 0035UT to 0630UT
ade bks cly cvw fhw hok kap kod ksr

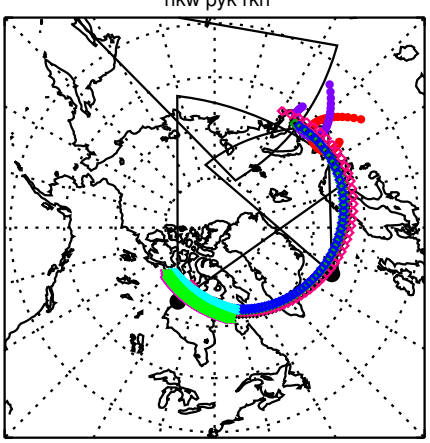


bpk sps

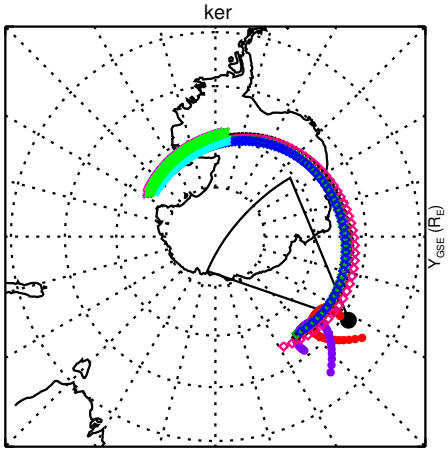


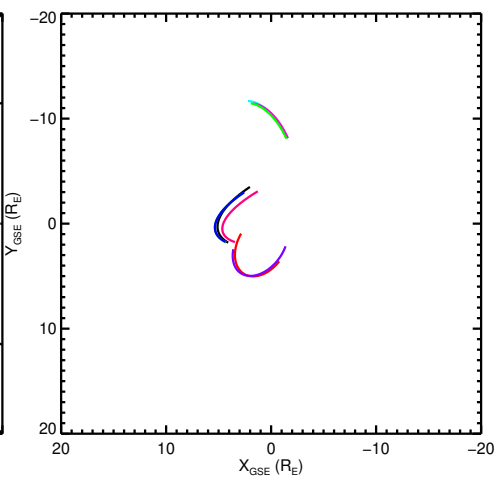


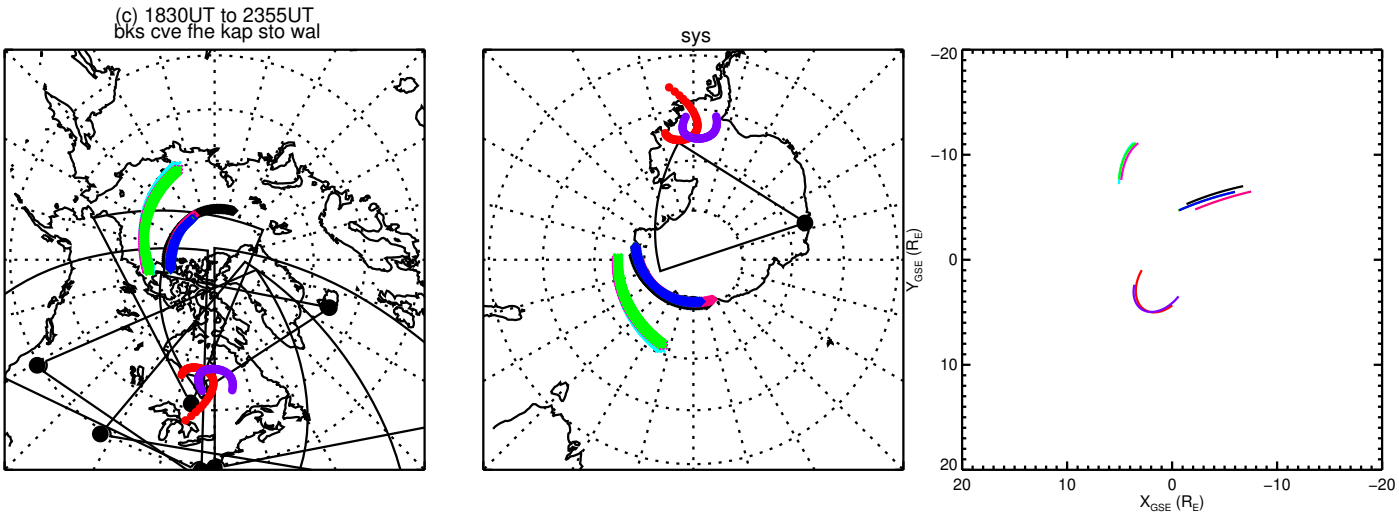
(b) 0930UT to 1535UT
hkw pyk rkn



ker



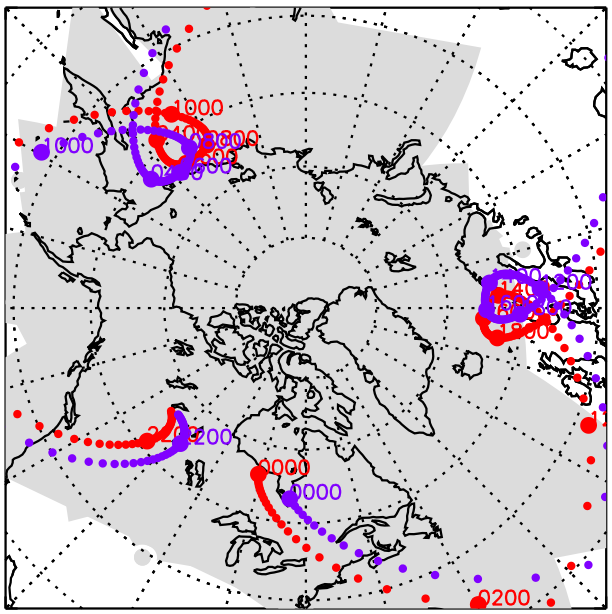


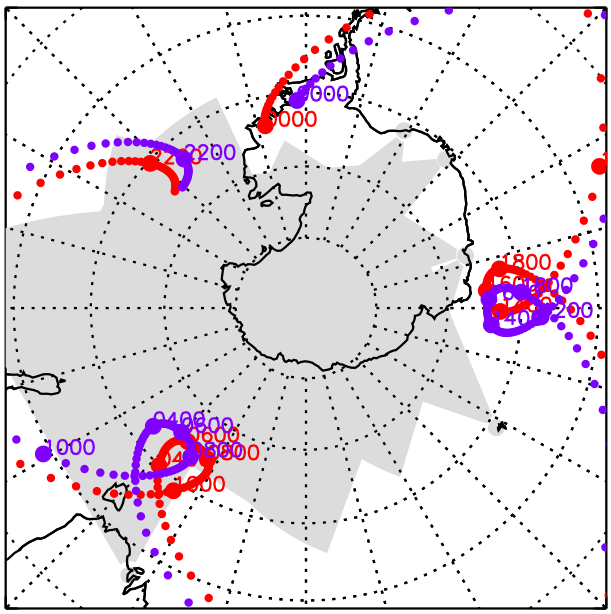

(c) 1830UT to 2355UT
bks cve fhe kap sto wal
sys
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

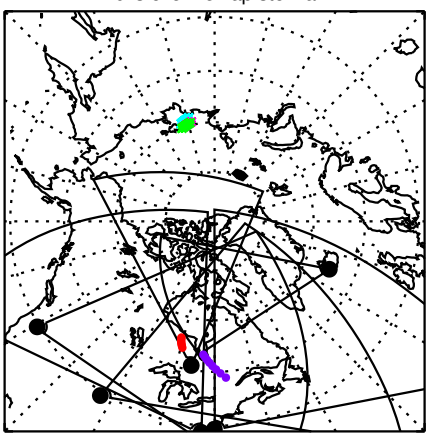
13–Aug–2015

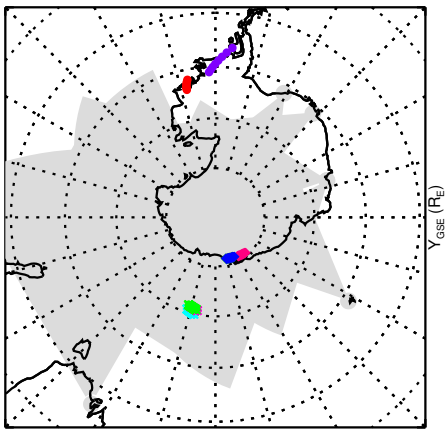
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

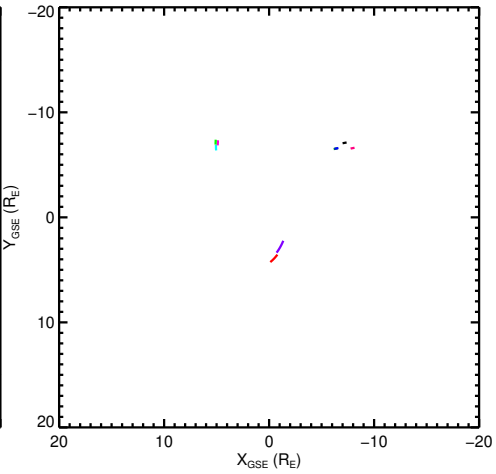




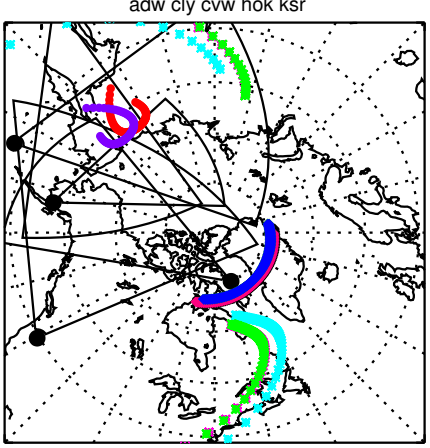
(a) 0000UT to 0035UT
bks cve fhe kap sto wal



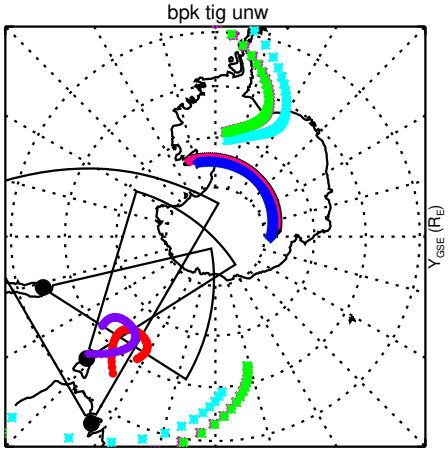


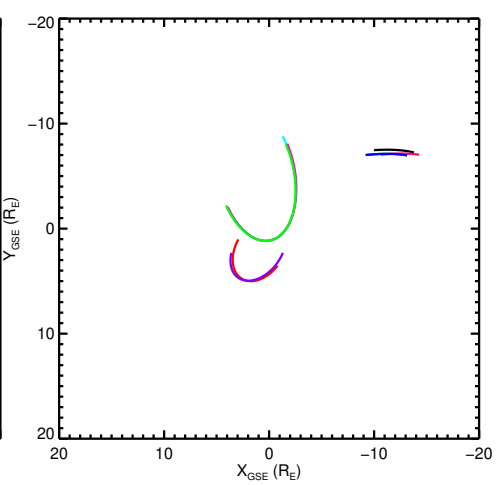


(b) 0330UT to 0935UT
adw cly cvw hok ksr

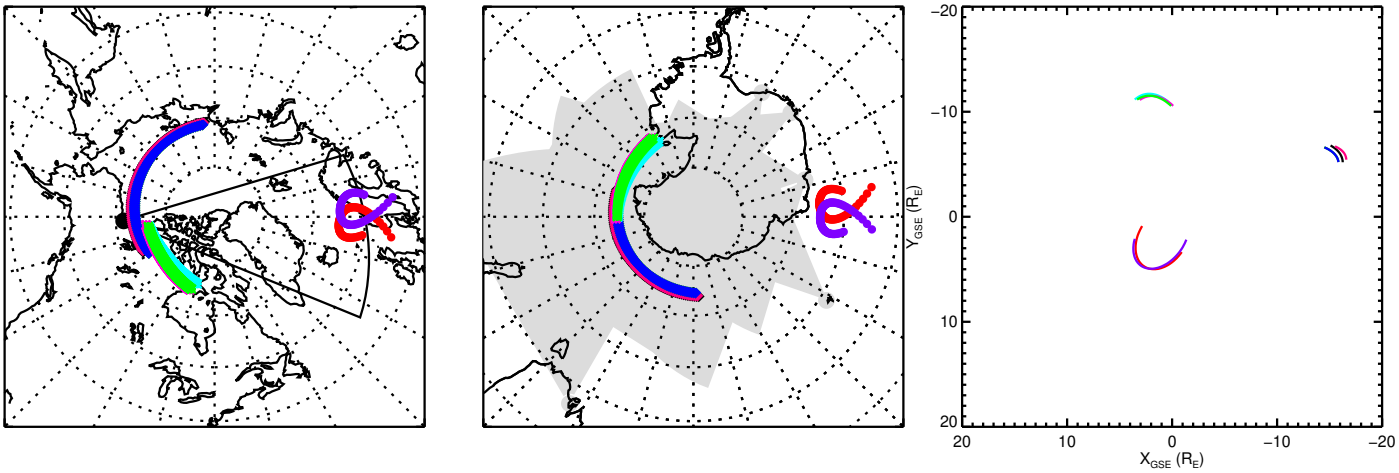


bpk tig unw



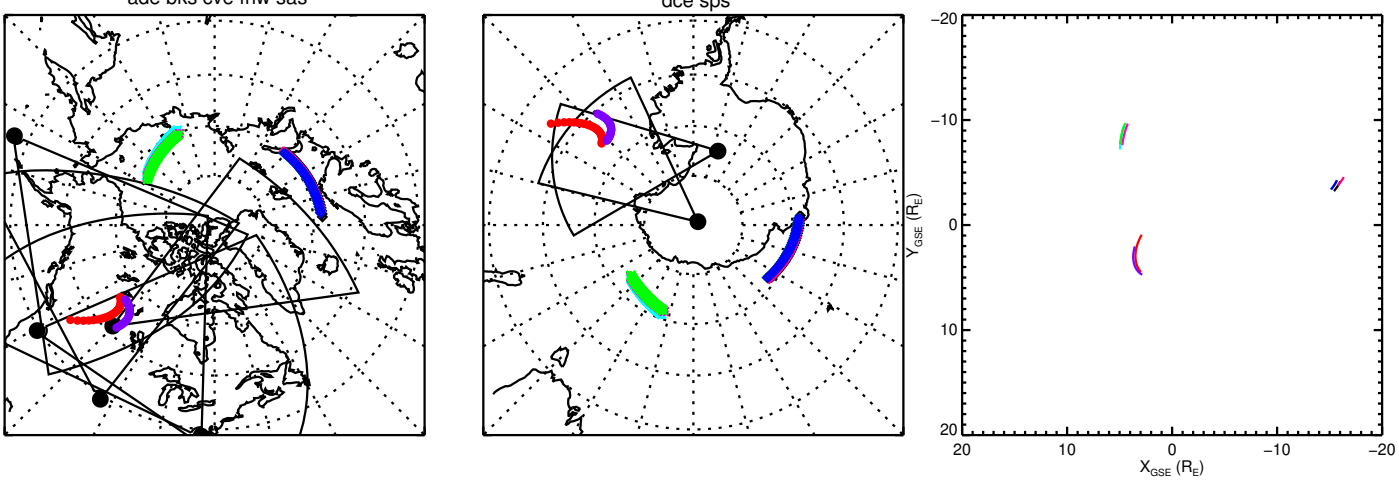


(c) 1225UT to 1840UT
inv



(d) 2125UT to 2355UT
ade bks cve fhw sas

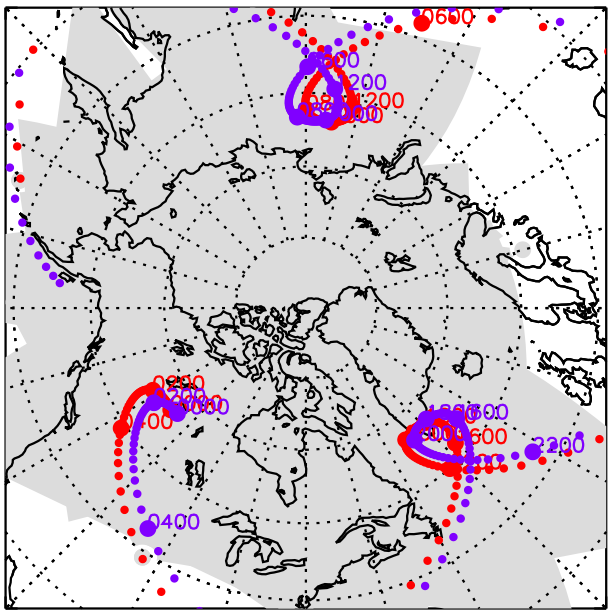
dce sps

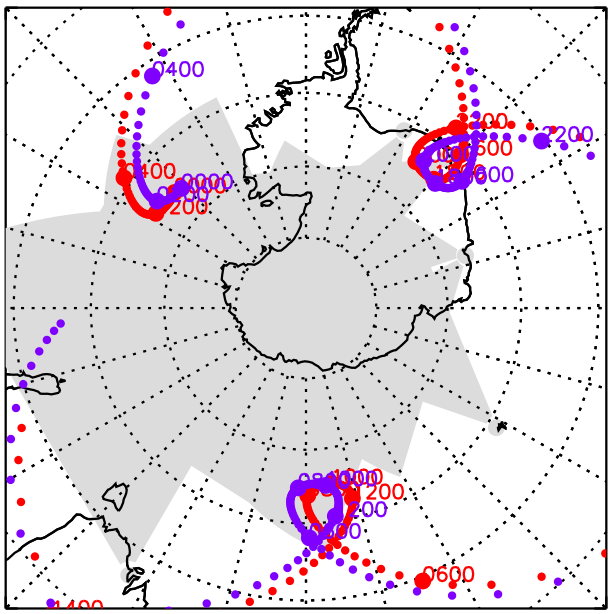


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

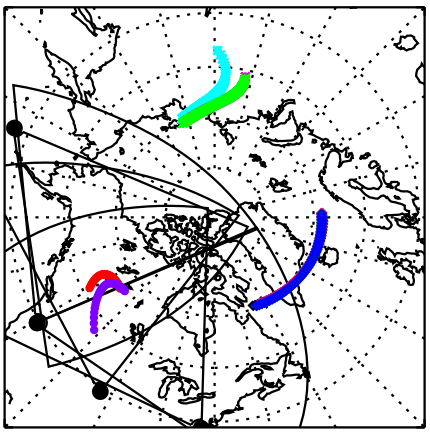
14–Aug–2015

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

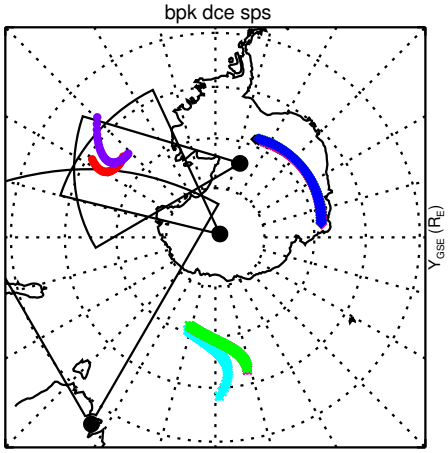


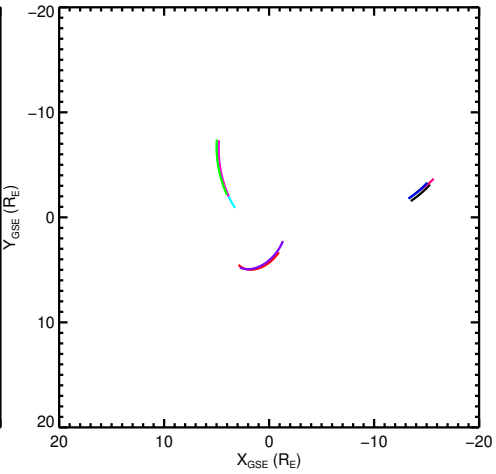


(a) 0000UT to 0340UT
ade bks cve cvw fhw

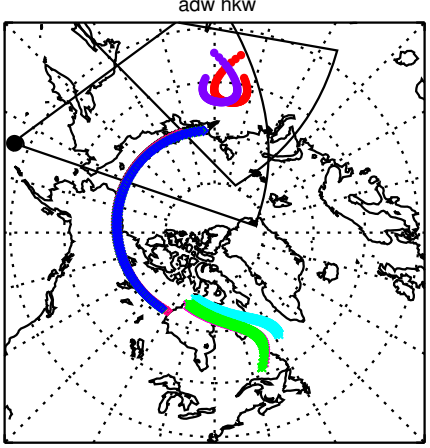


bpk dce sps

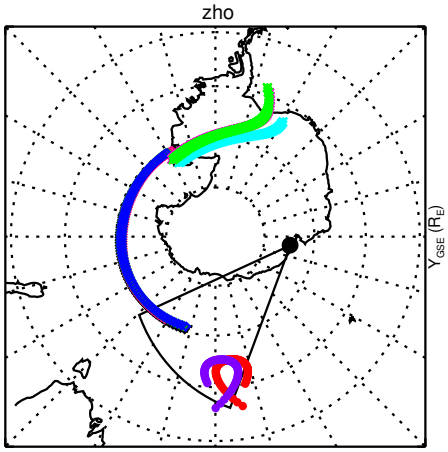


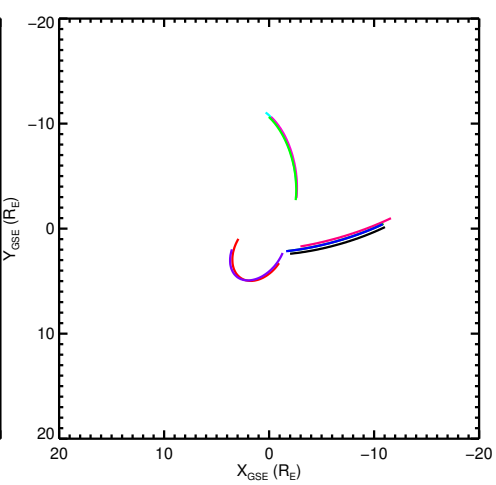


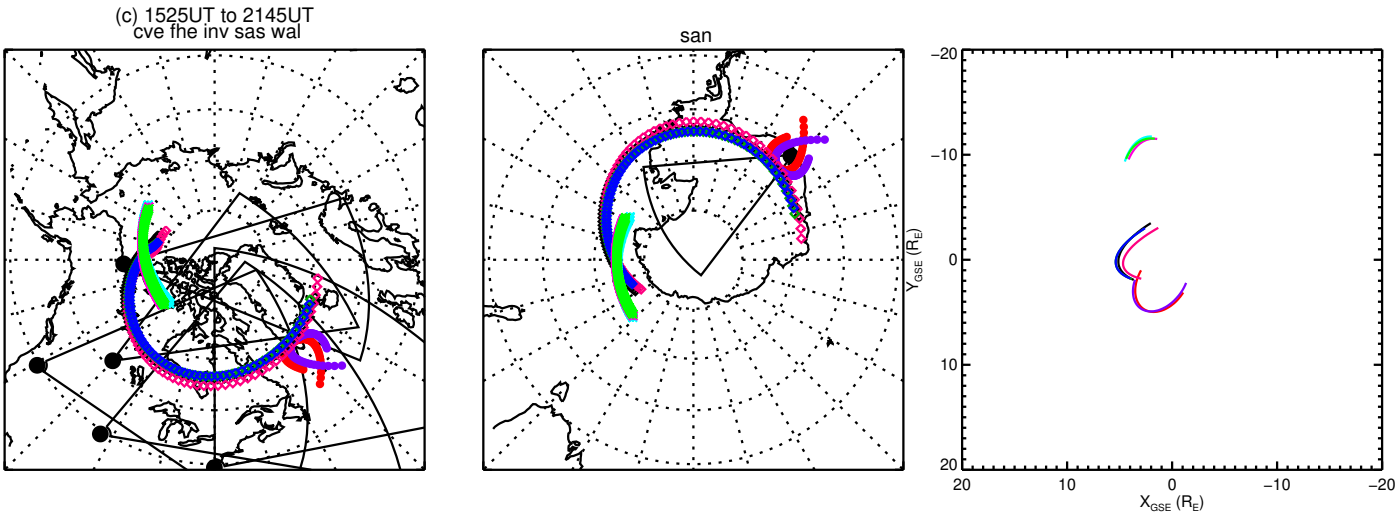
(b) 0625UT to 1240UT
adw hkw



zho



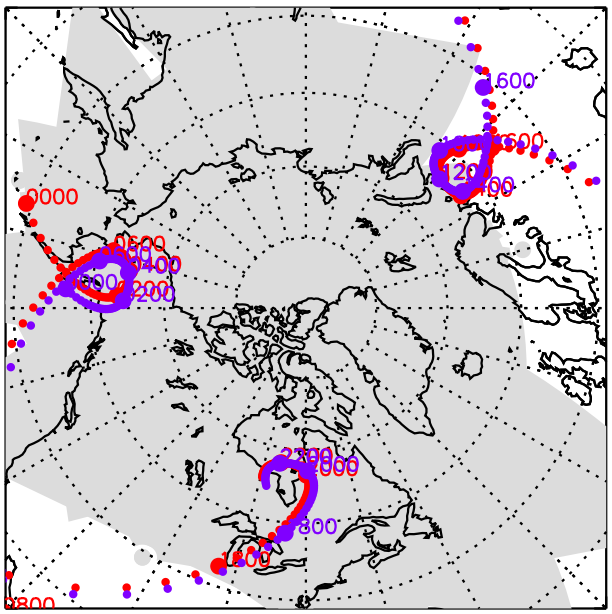


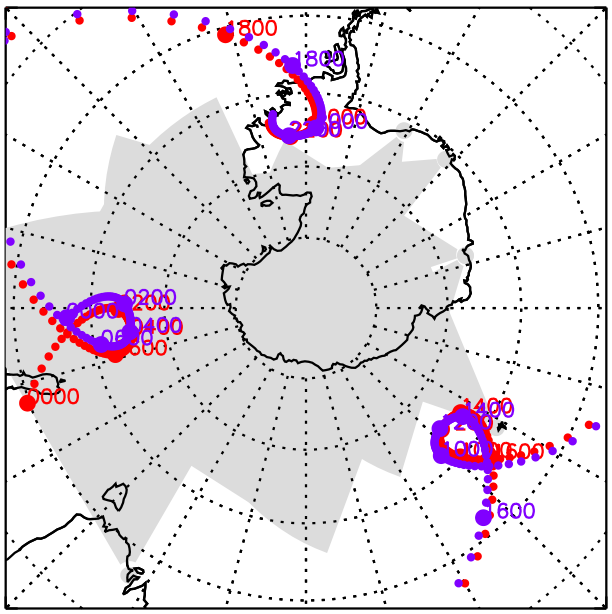

(c) 1525UT to 2145UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

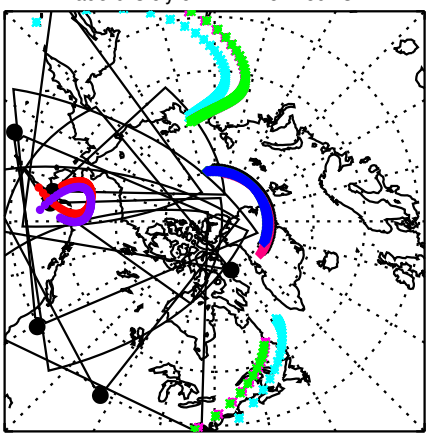
15–Aug–2015

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

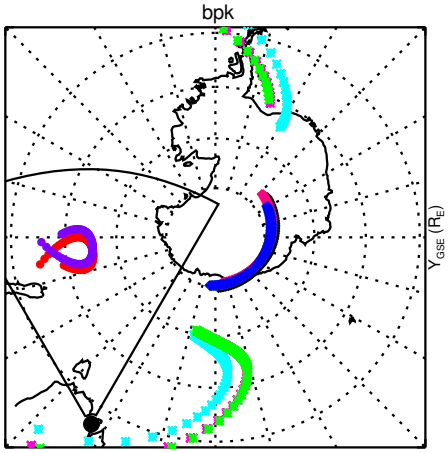


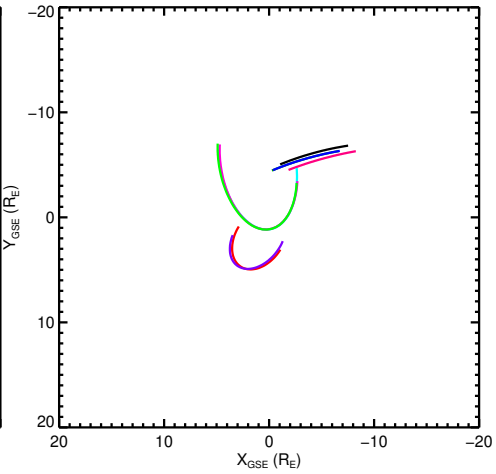


(a) 0020UT to 0645UT
ade bks cly cvw fhw hok kod ksr

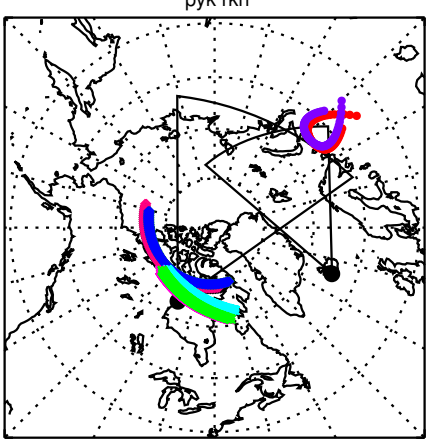


bpk

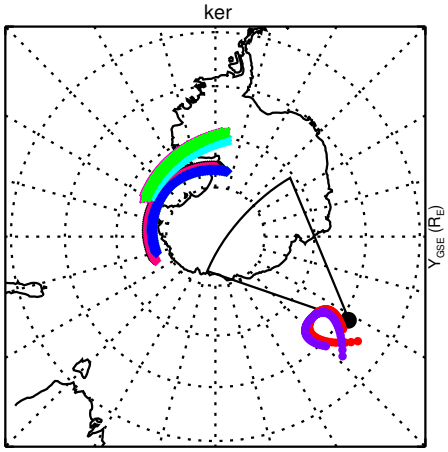


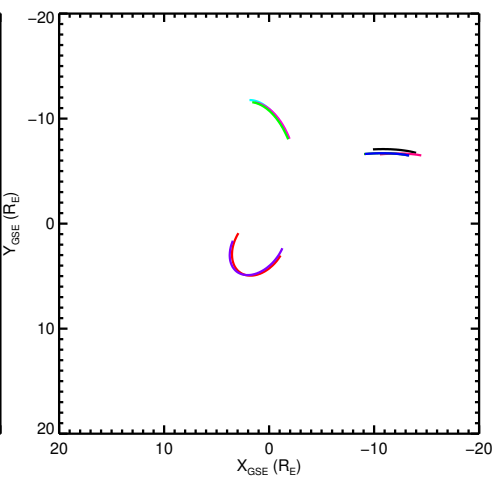


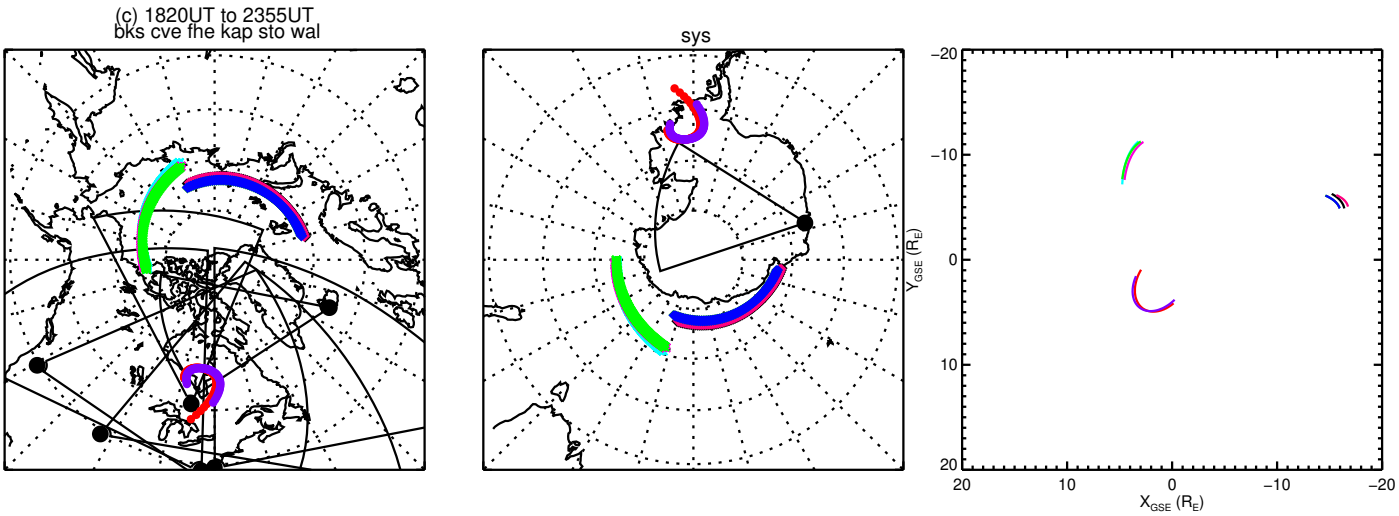
(b) 0920UT to 1545UT
pyk rkn



ker



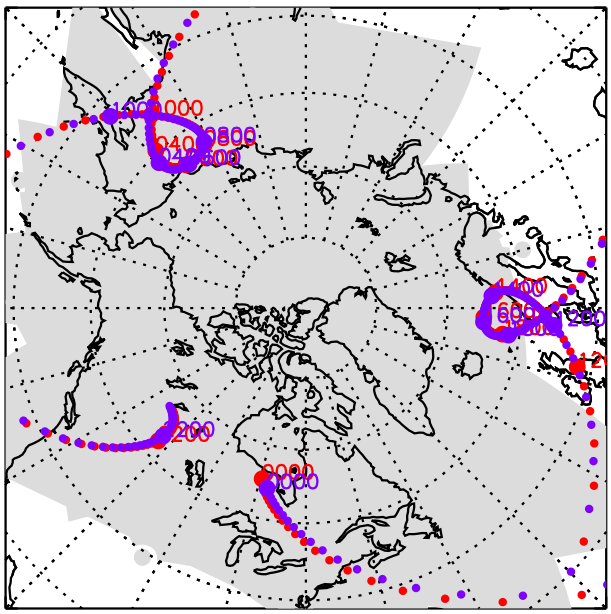


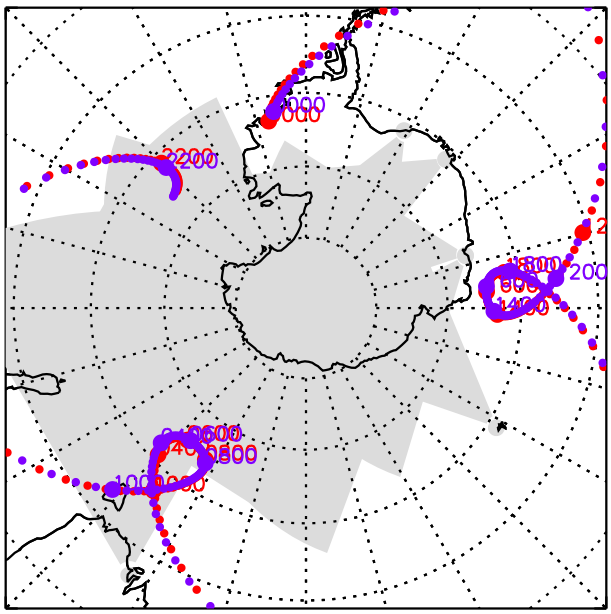

(c) 1820UT to 2355UT
bks cve fhe kap sto wal
sys
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

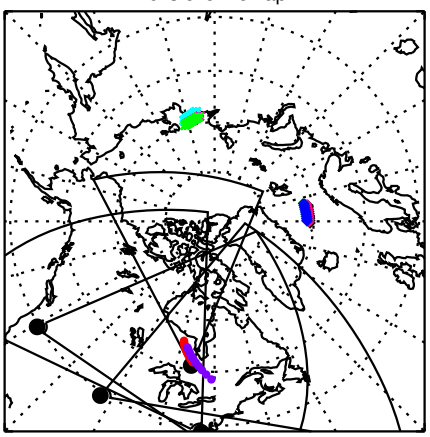
16–Aug–2015

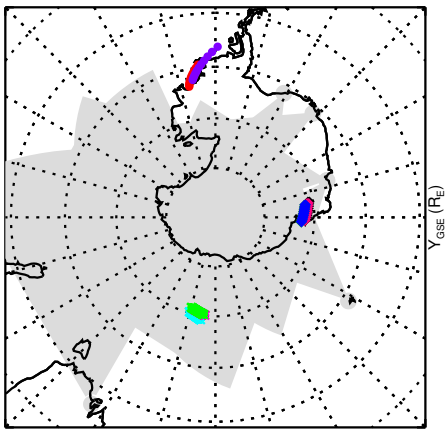
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

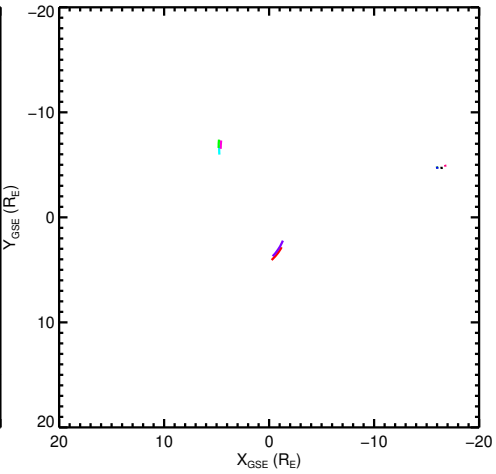




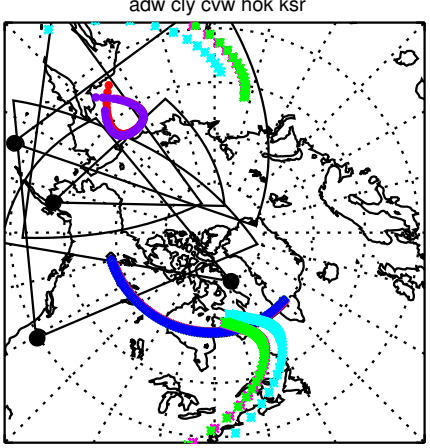
(a) 0000UT to 0050UT
bks cve fhe kap



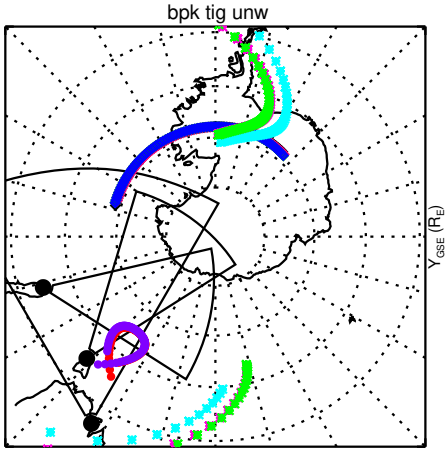


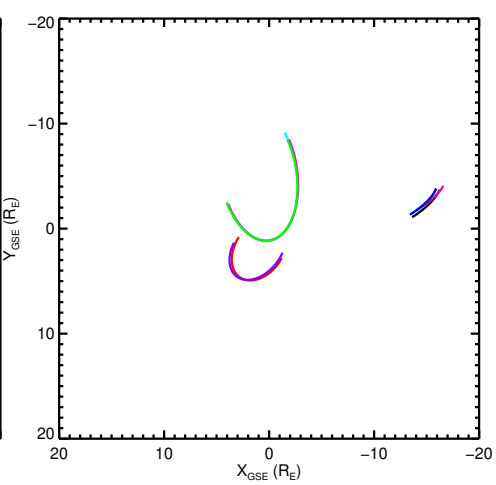


(b) 0315UT to 0950UT
adw cly cvw hok ksr

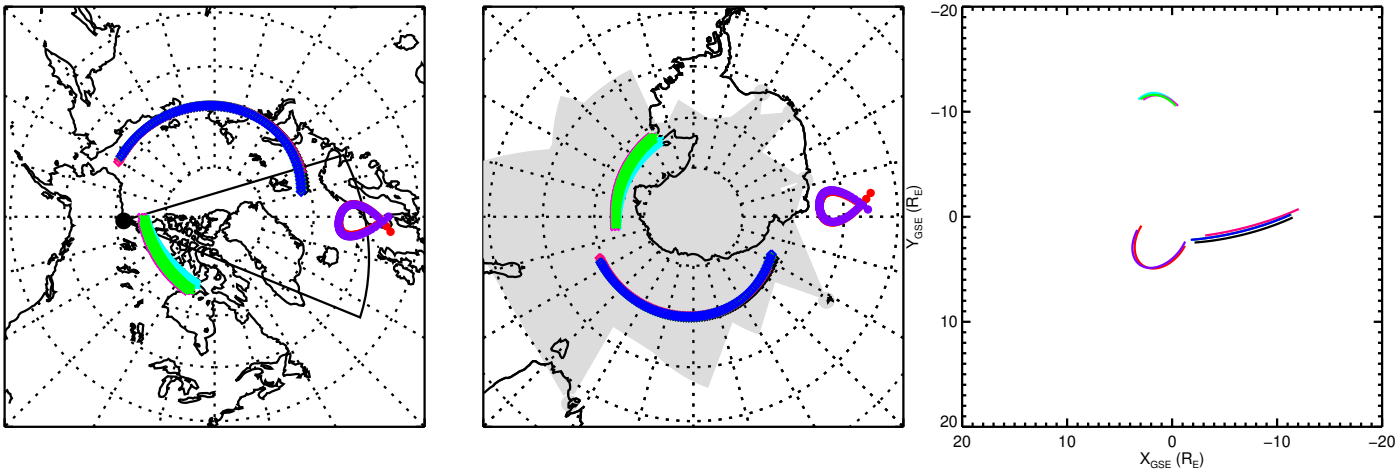


bpk tig unw



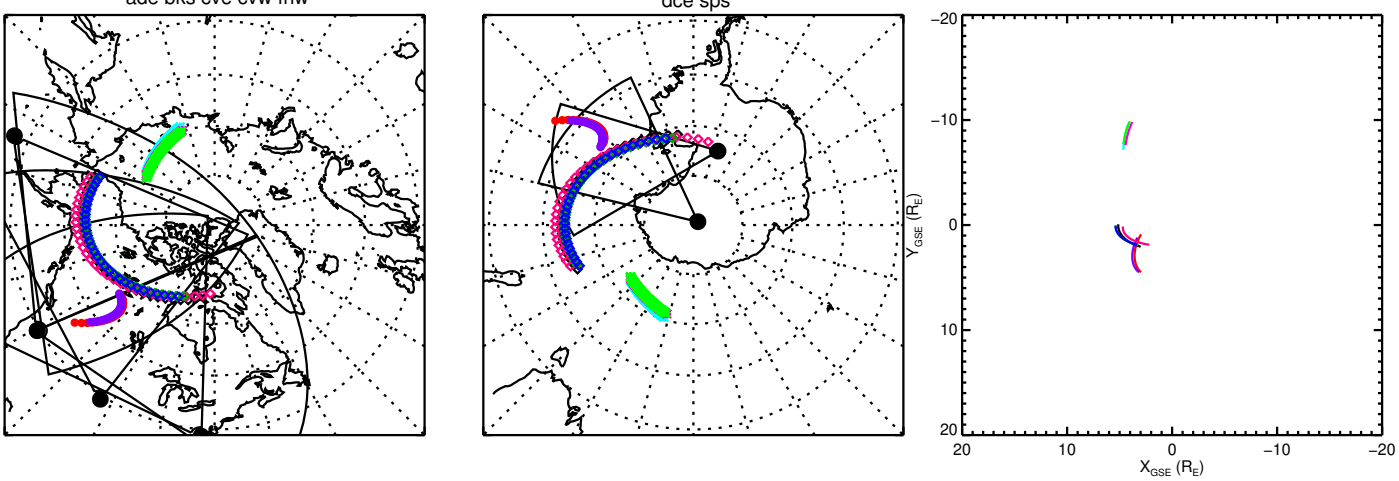


(c) 1215UT to 1850UT
inv



(d) 2115UT to 2355UT
ade bks cve cvw fhw

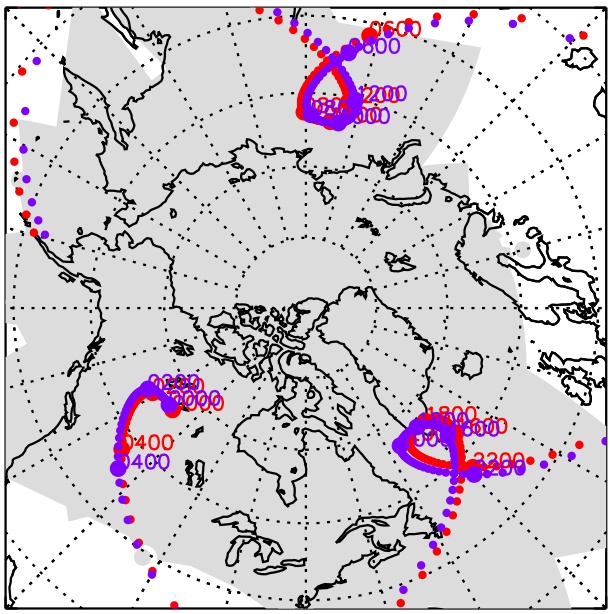
dce sps

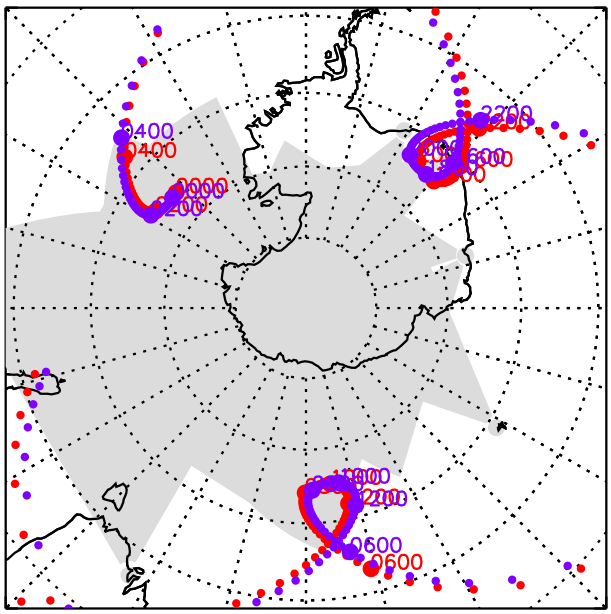


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

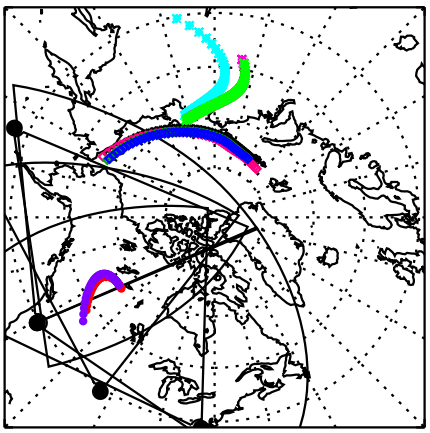
17–Aug–2015

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

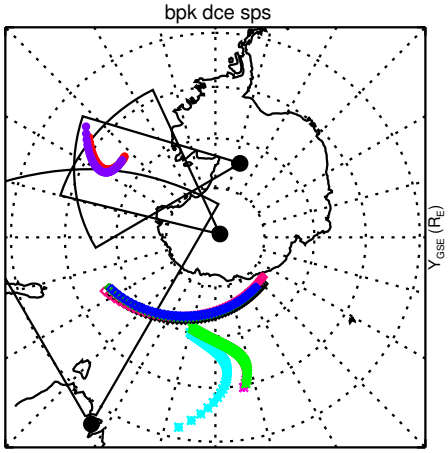


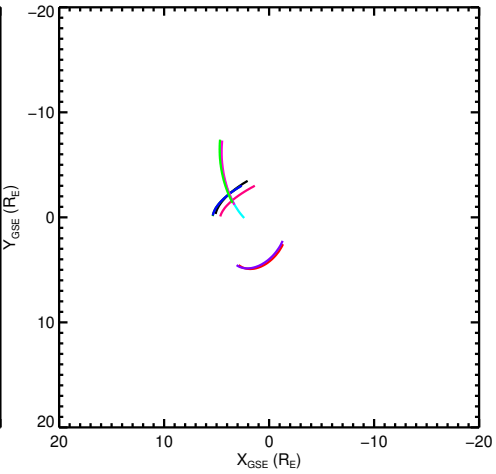


(a) 0000UT to 0355UT
ade bks cve cvw fhw

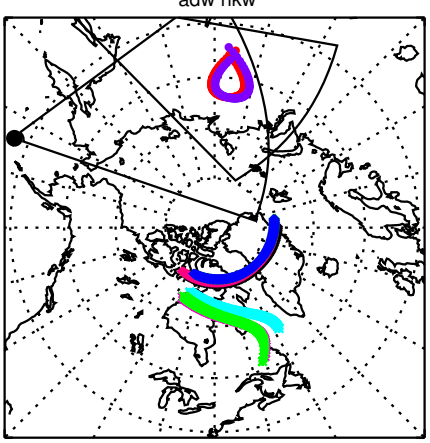


bpk dce sps

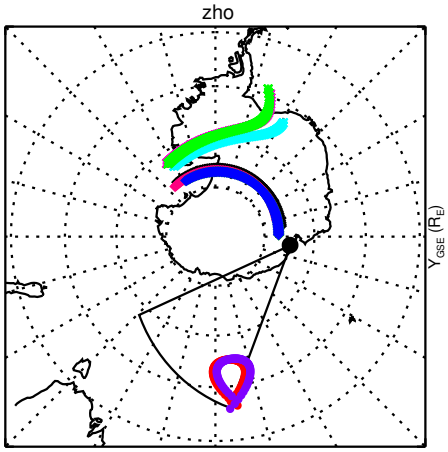


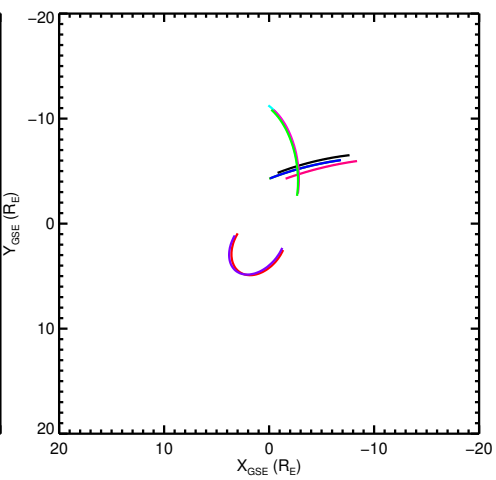


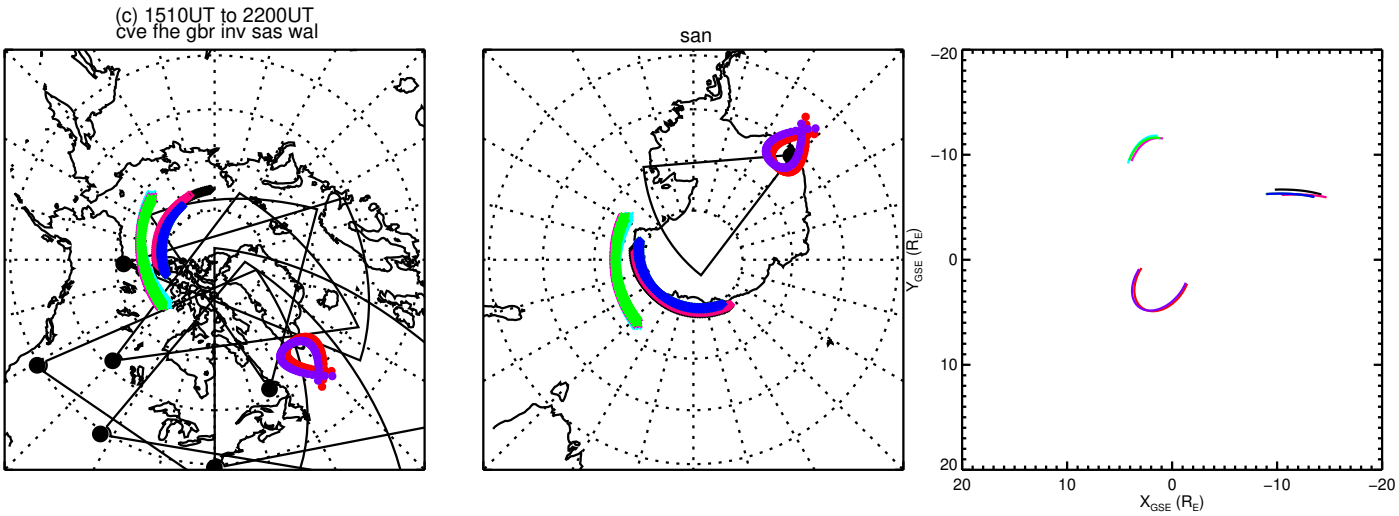
(b) 0615UT to 1255UT
adw hkw



zho



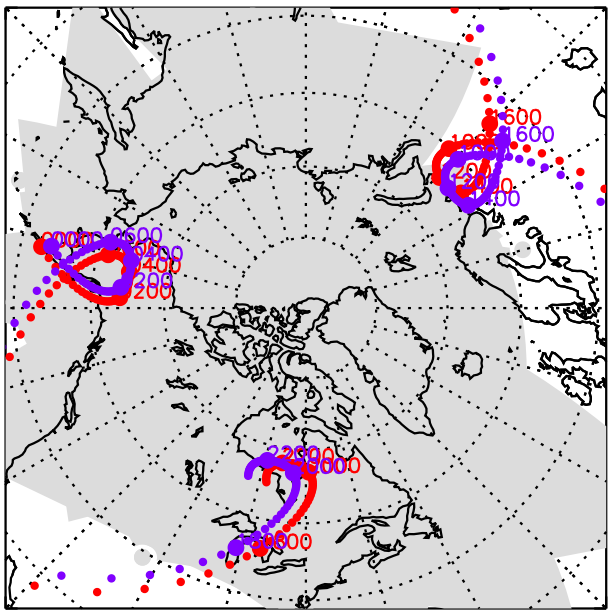


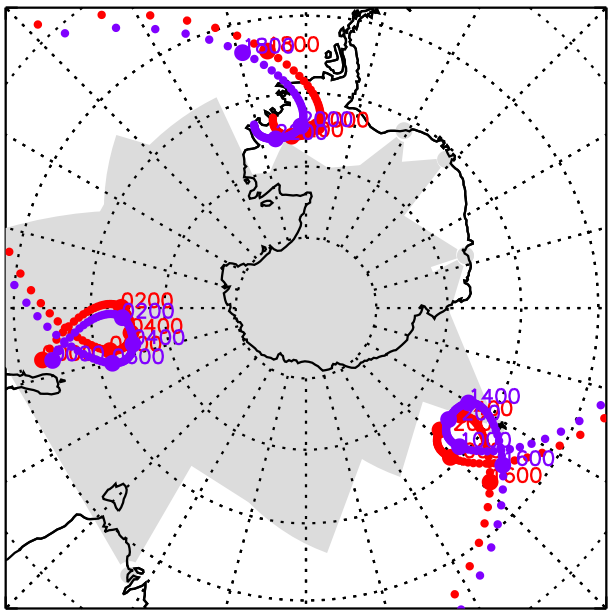

(c) 1510UT to 2200UT
cve fhe gbr inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

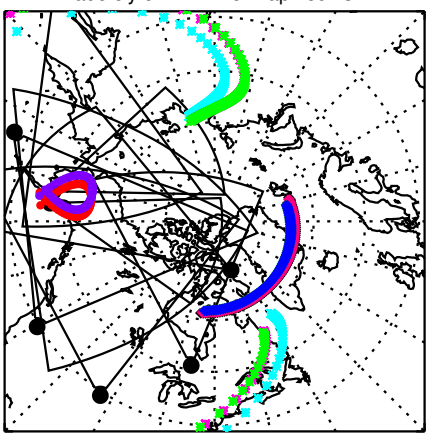
18–Aug–2015

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

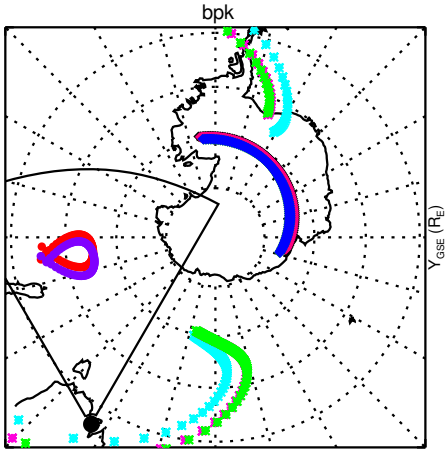


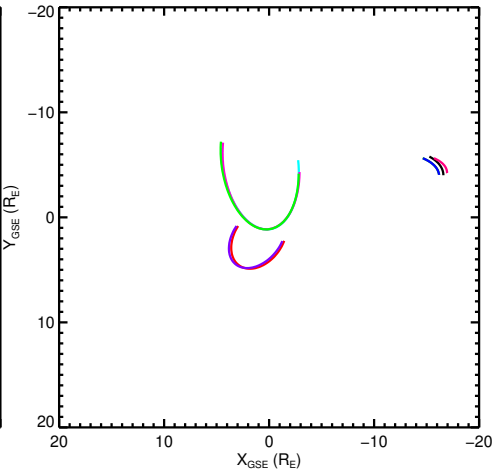


(a) 0010UT to 0700UT
ade cly cvw fhw hok kap kod ksr

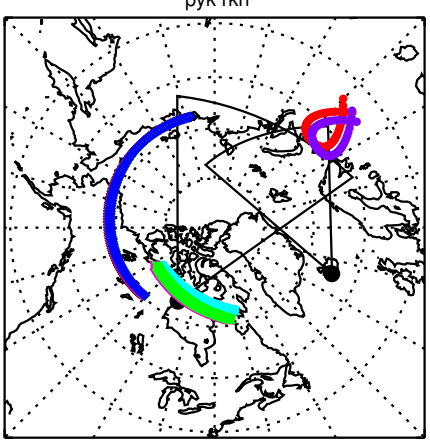


bpk

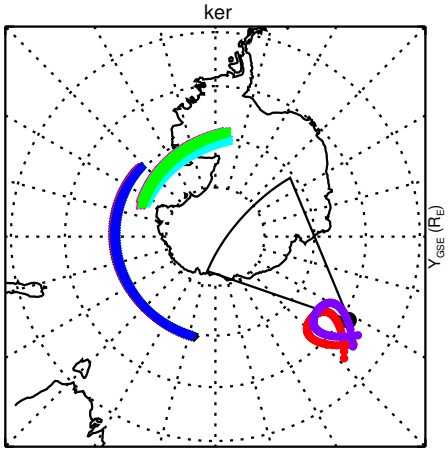


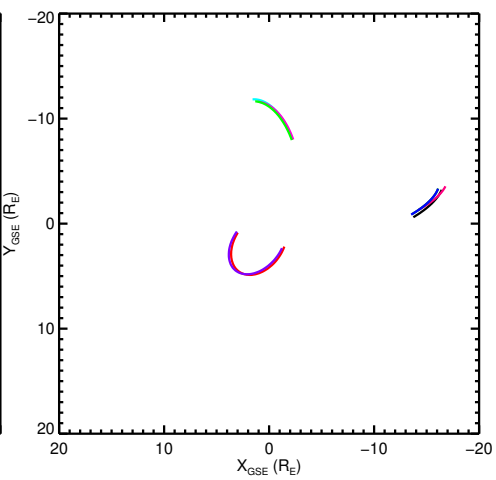


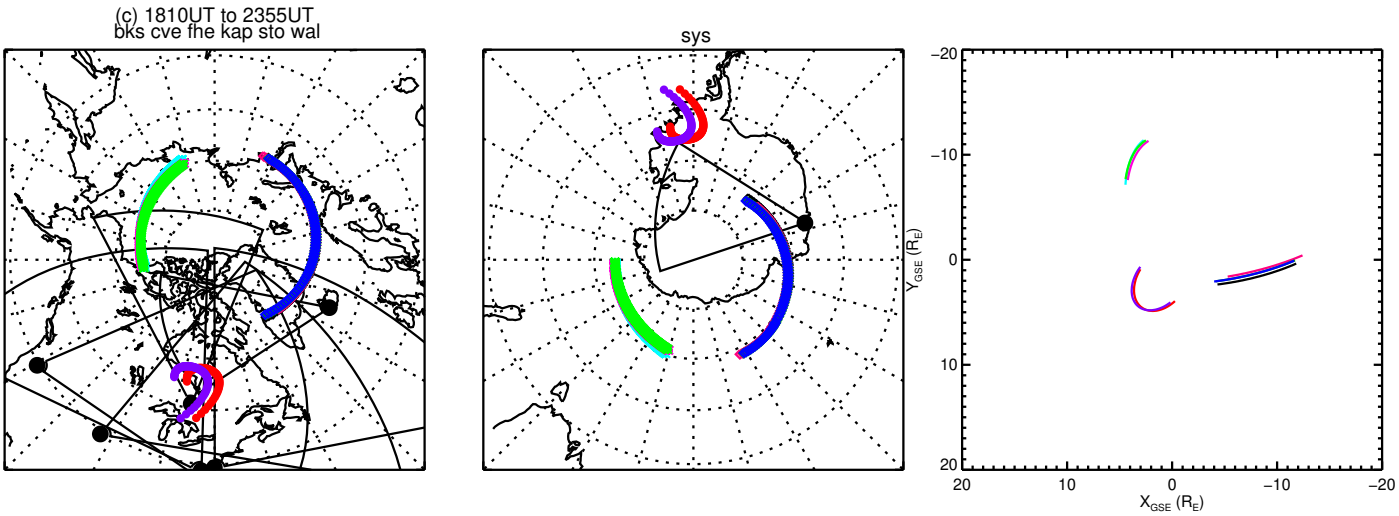
(b) 0910UT to 1600UT
pyk rkn



ker



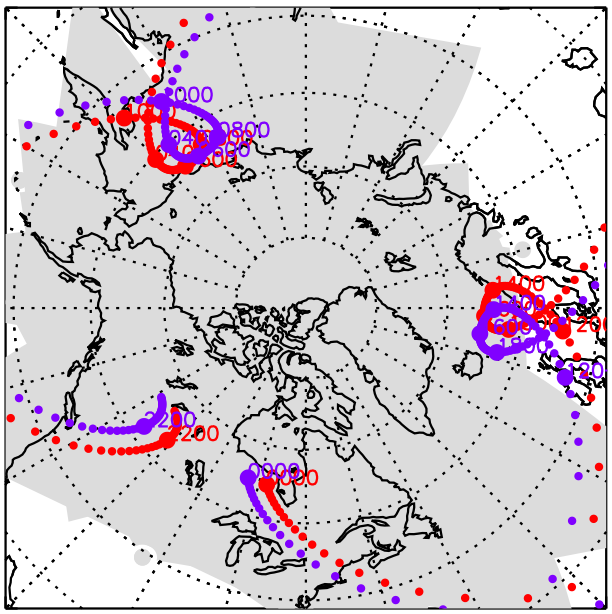


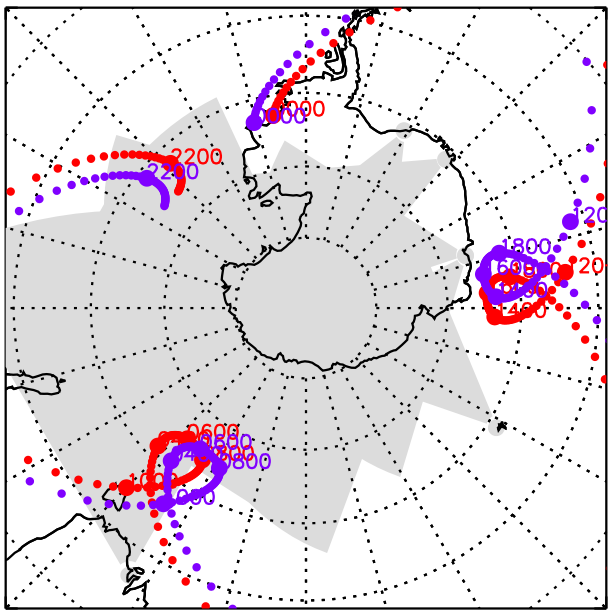

(c) 1810UT to 2355UT
bks cve fhe kap sto wal
sys
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

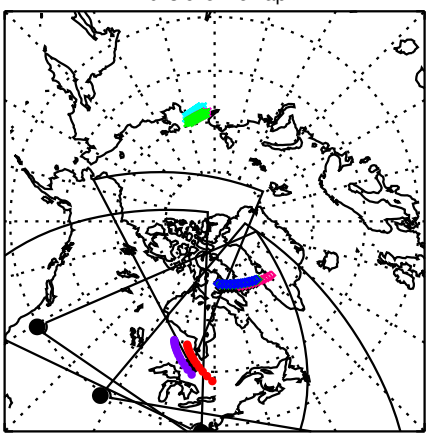
19–Aug–2015

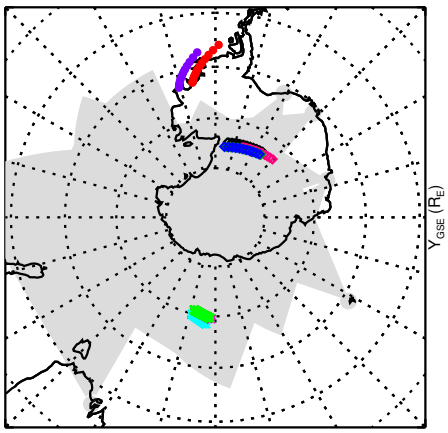
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

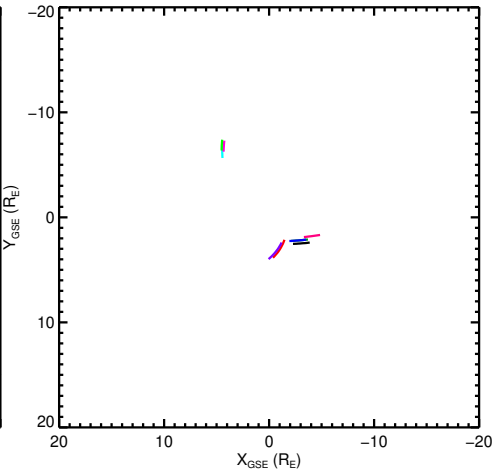




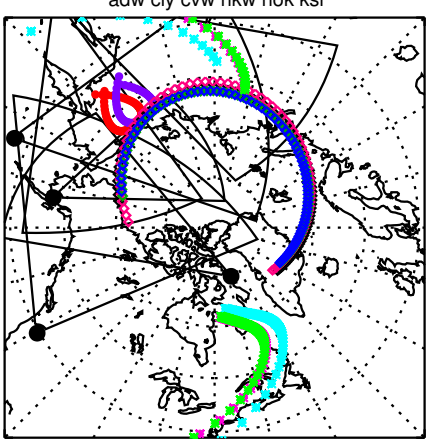
(a) 0000UT to 0100UT
bks cve fhe kap



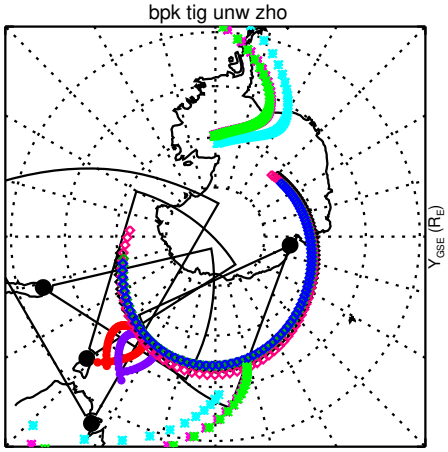


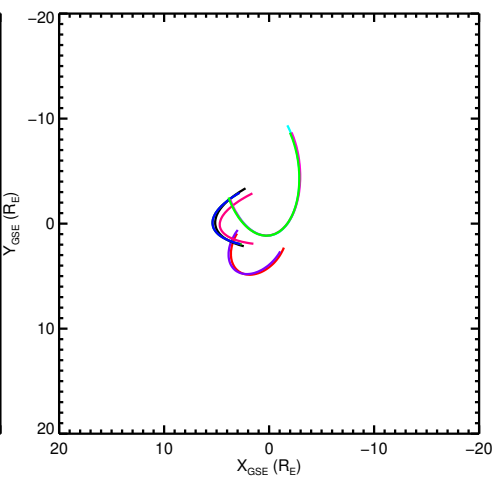


(b) 0310UT to 0955UT
adw cly cvw hkw hok ksr

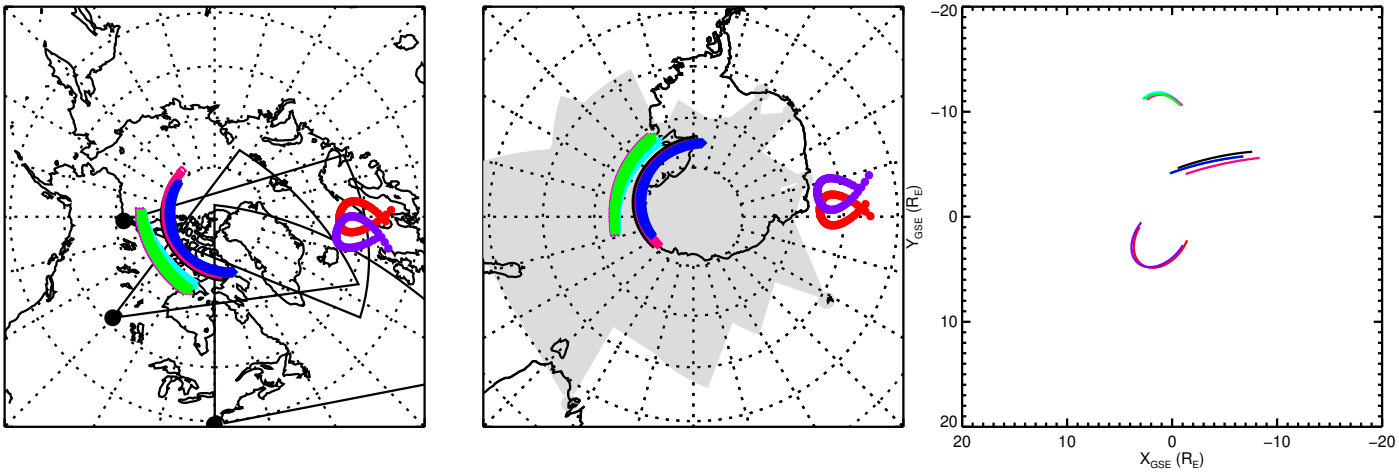


bpk tig unw zho



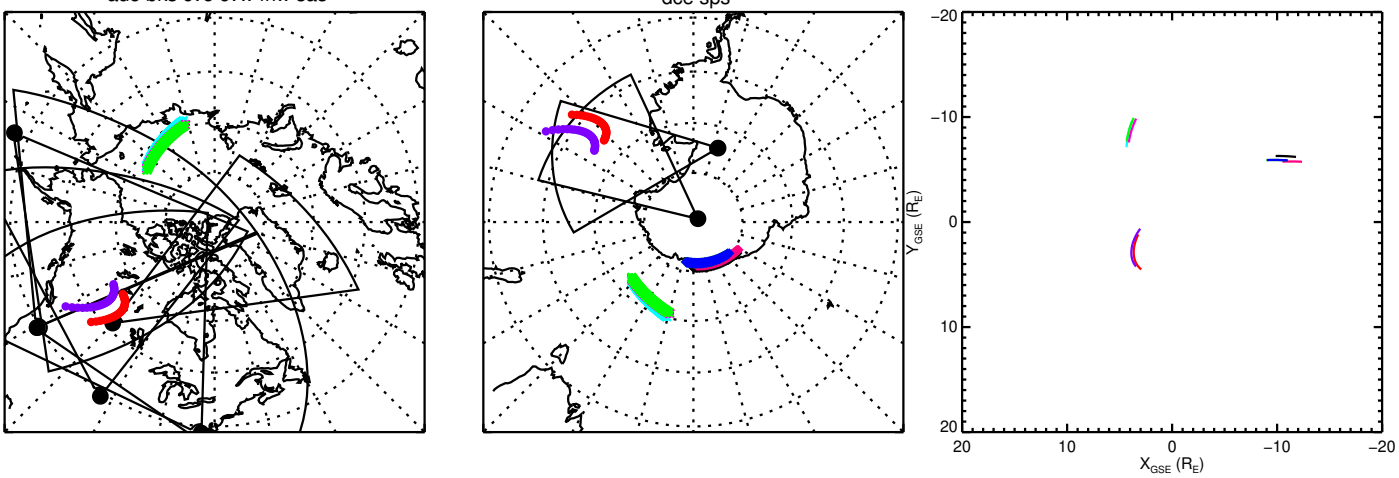


(c) 1210UT to 1855UT
inv sas wal



(d) 2115UT to 2355UT
ade bks cve cvw fhw sas

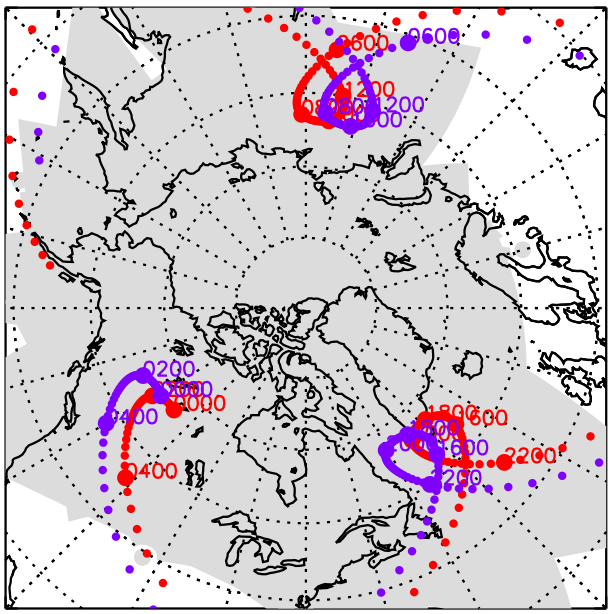
dce sps

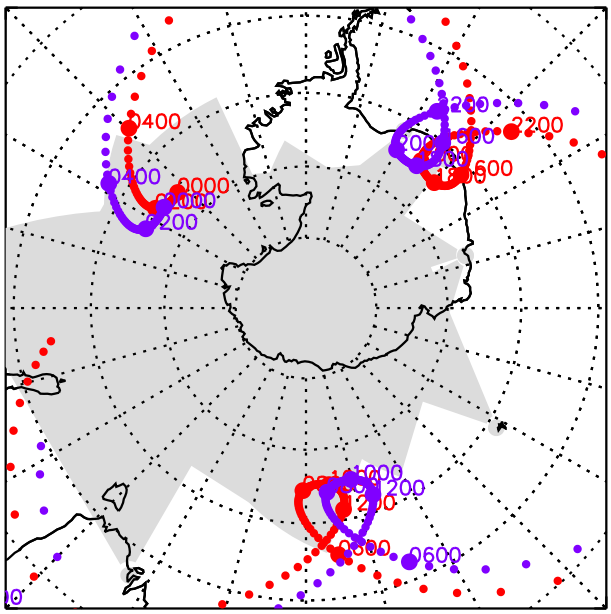


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

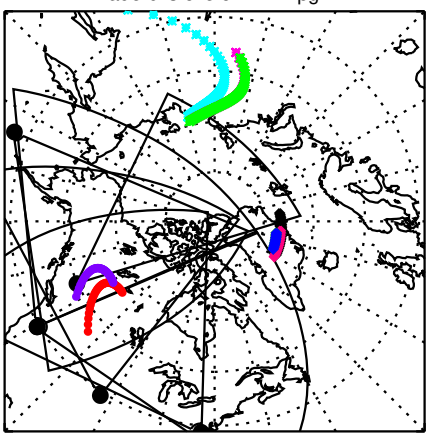
20–Aug–2015

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

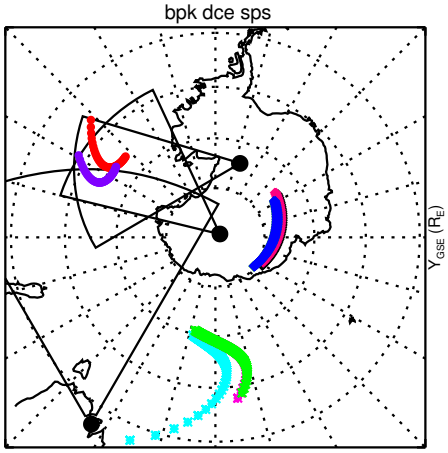


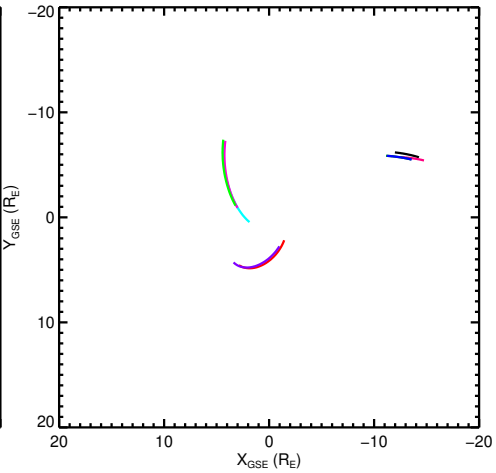


(a) 0000UT to 0355UT
ade bks cve cvw fhw pgr

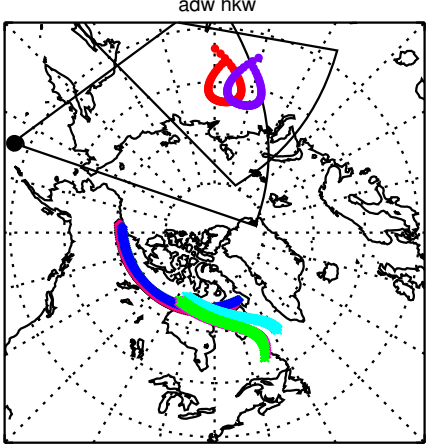


bpk dce sps

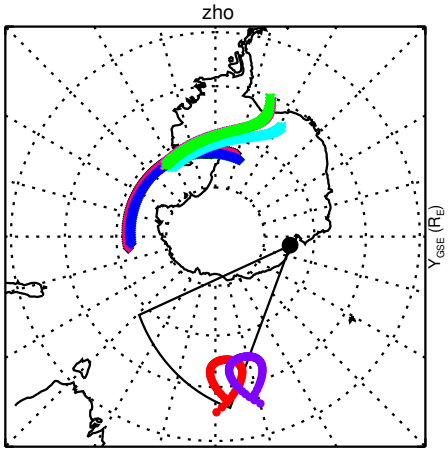


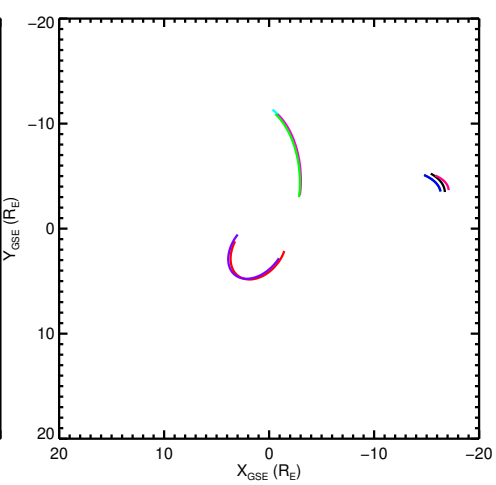


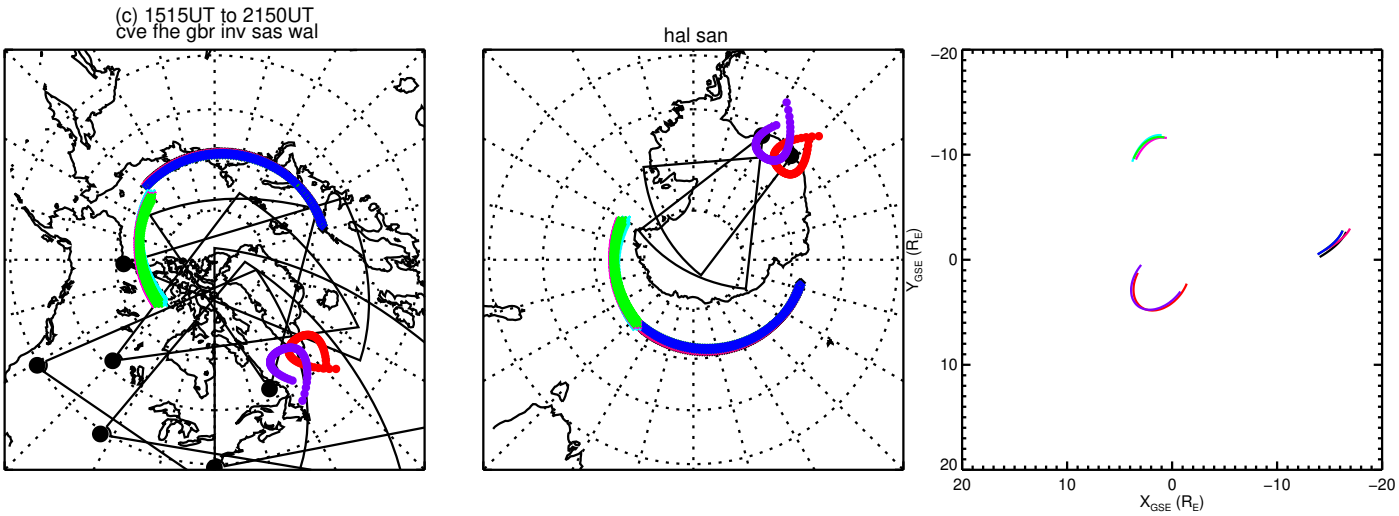
(b) 0615UT to 1255UT
adw hkw



zho



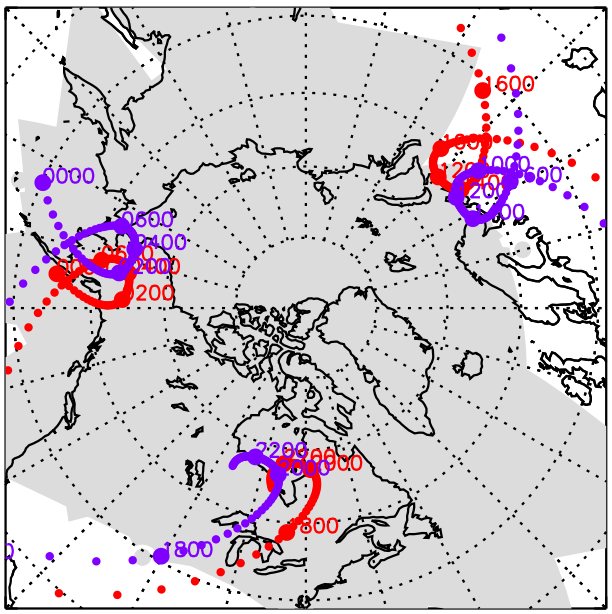


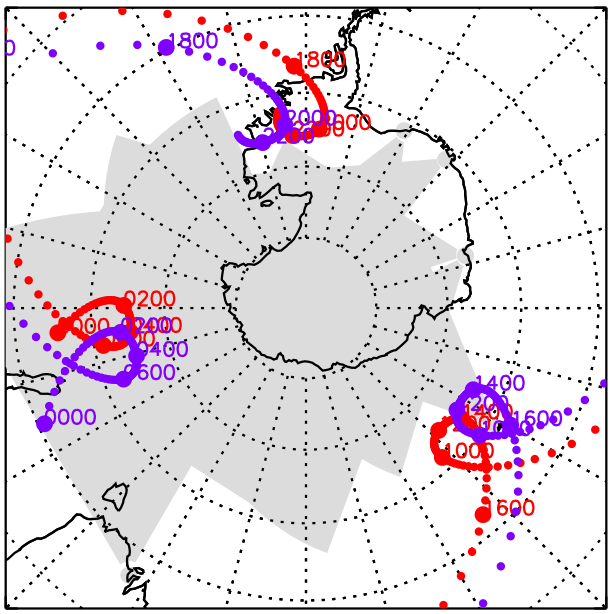

(c) 1515UT to 2150UT
cve fhe gbr inv sas wal
hal san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

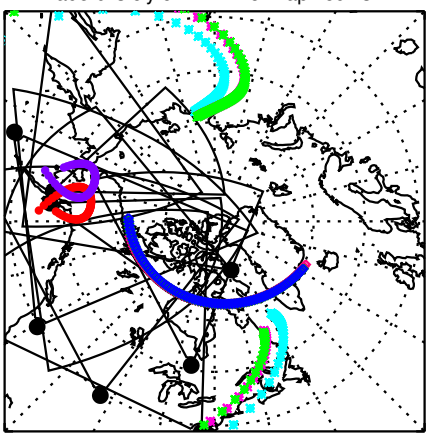
21−Aug−2015

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

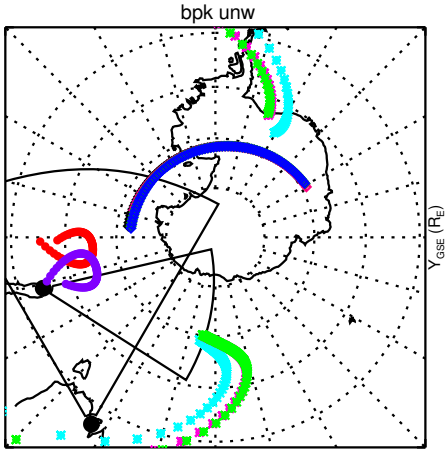


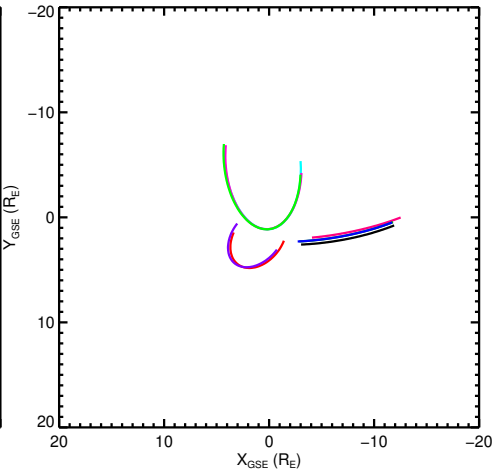


(a) 0020UT to 0650UT
ade bks cly cvw fhw hok kap kod ksr

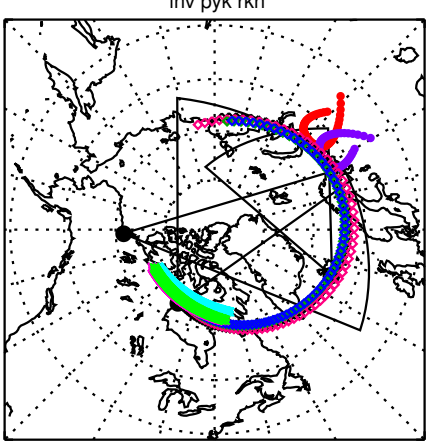


bpk unw

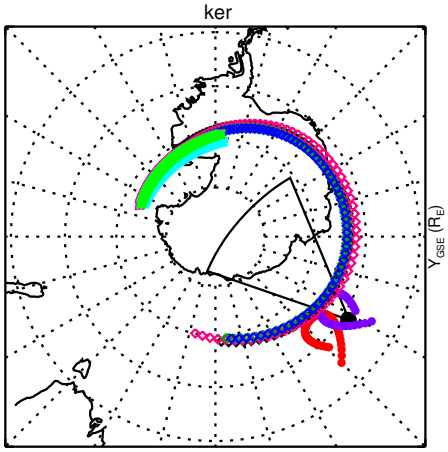


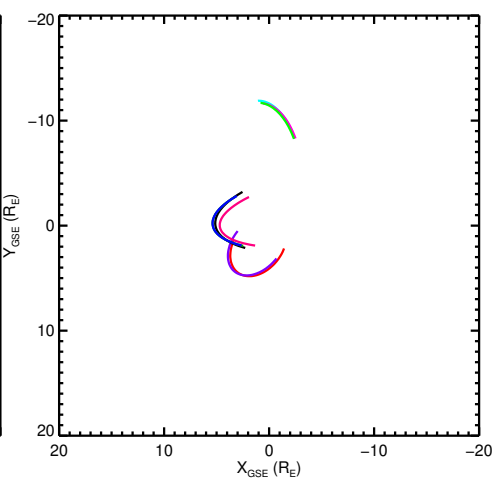


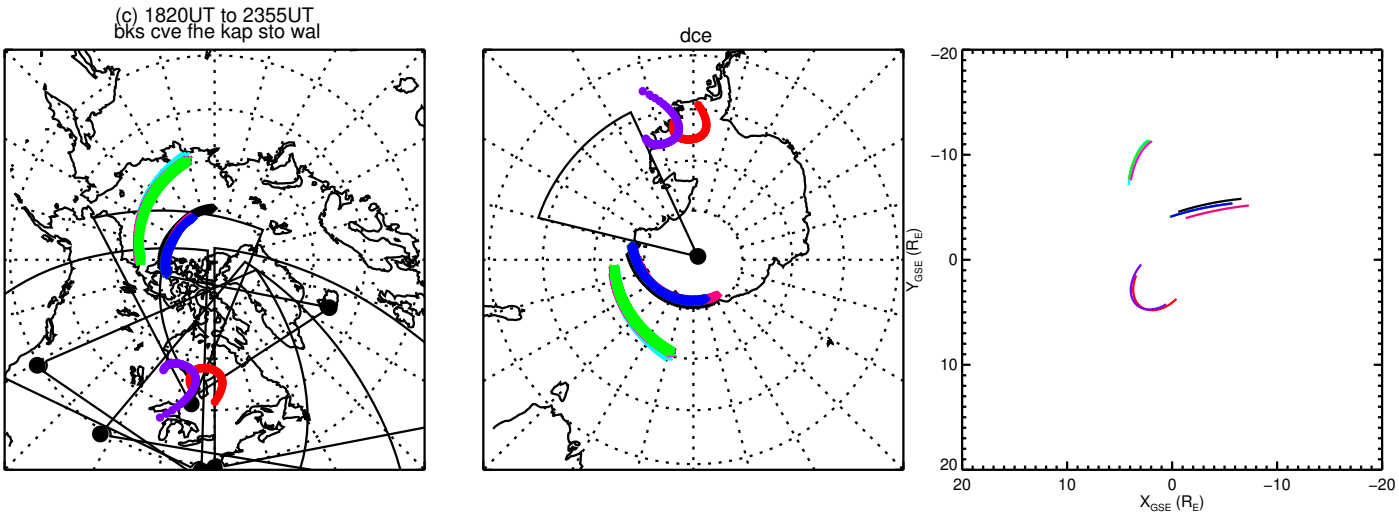
(b) 0920UT to 1550UT
inv pyk rkn



ker



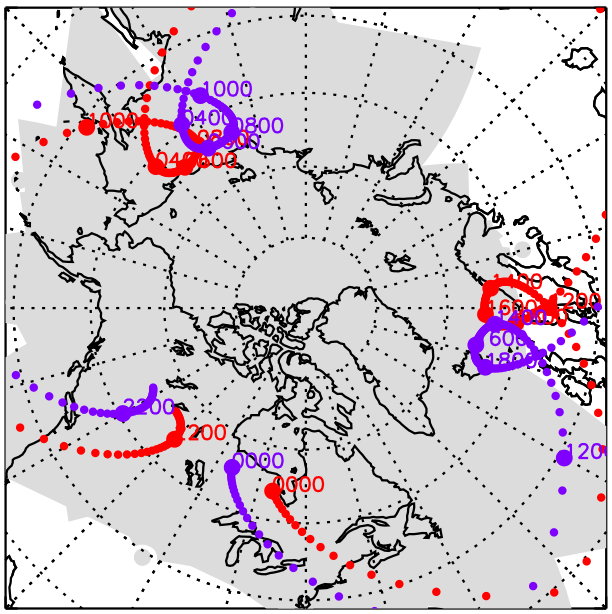


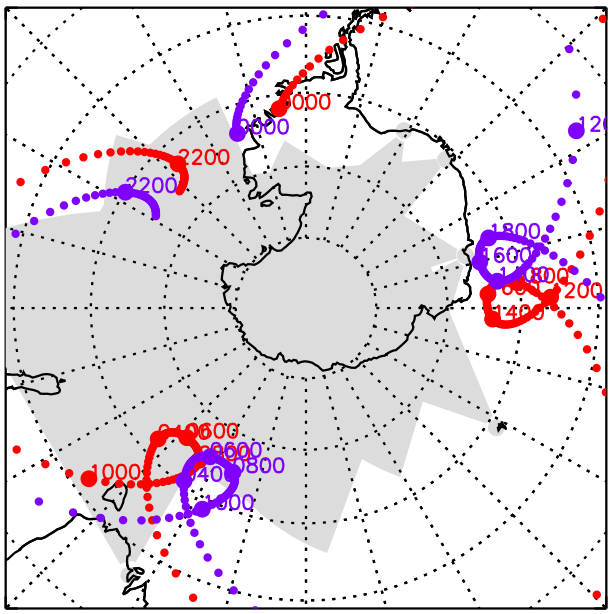

(c) 1820UT to 2355UT
bks cve fhe kap sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

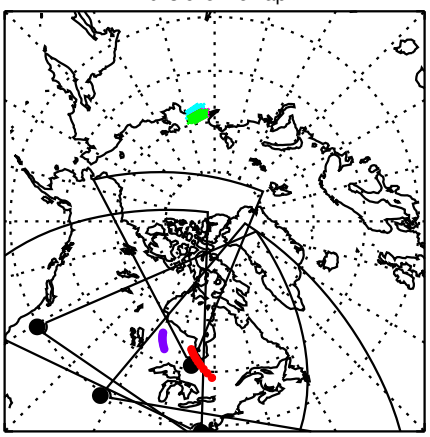
22–Aug–2015

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

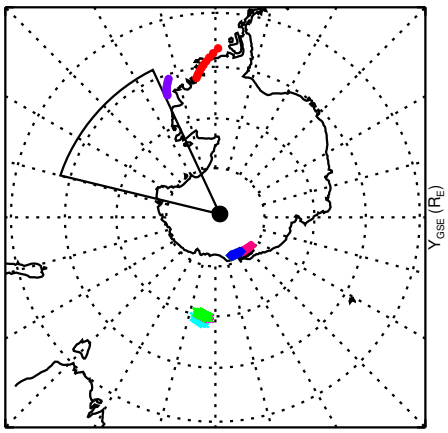


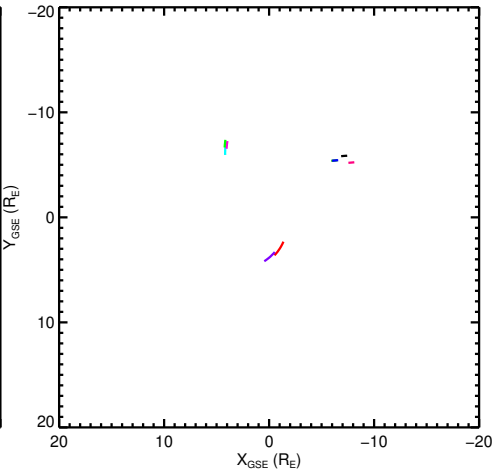


(a) 0000UT to 0045UT
bks cve fhe kap

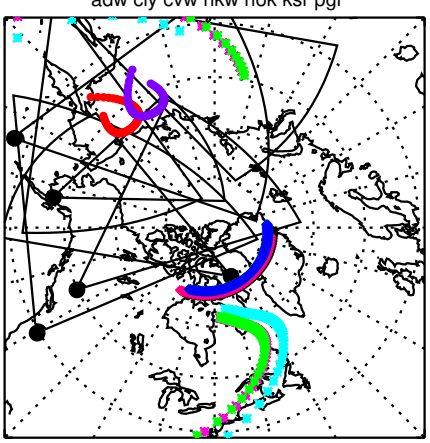


dce

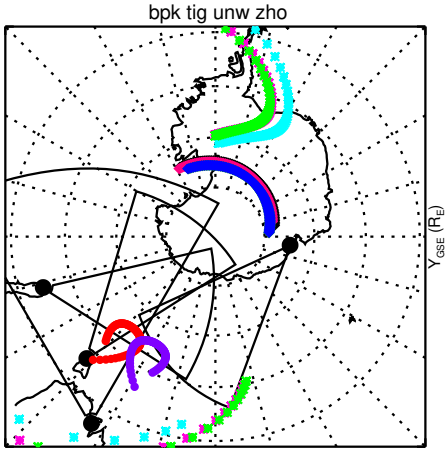


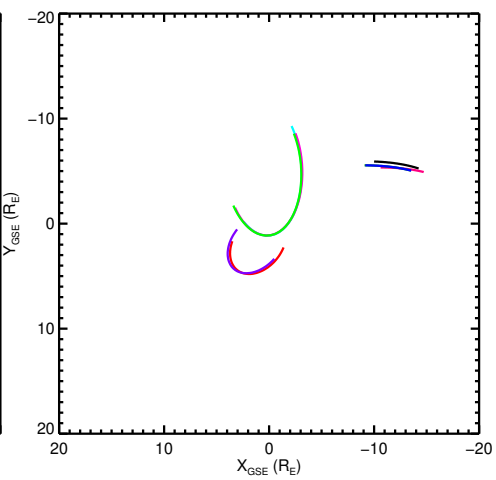


(b) 0325UT to 0945UT
adw cly cvw hkw hok ksr pgr

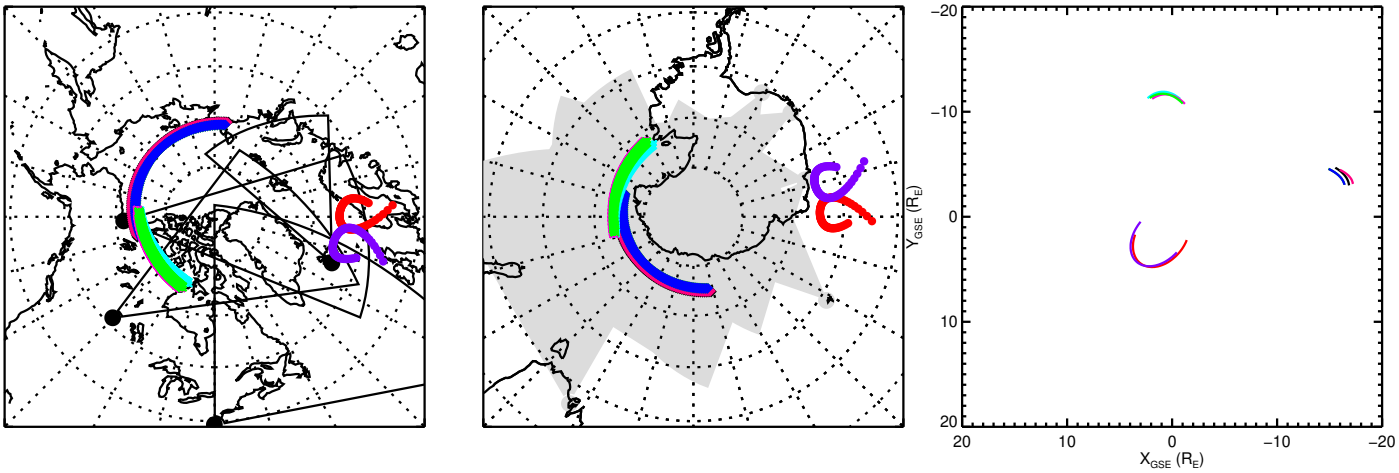


bpk tig unw zho



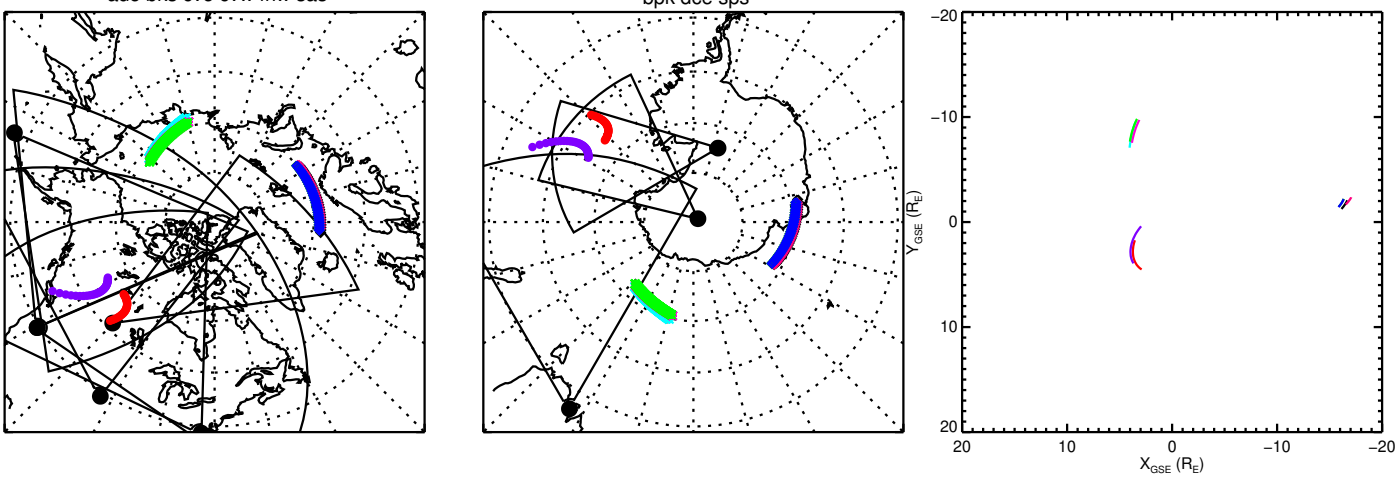


(c) 1225UT to 1845UT
inv pyk sas wal



(d) 2125UT to 2355UT
ade bks cve cvw fhw sas

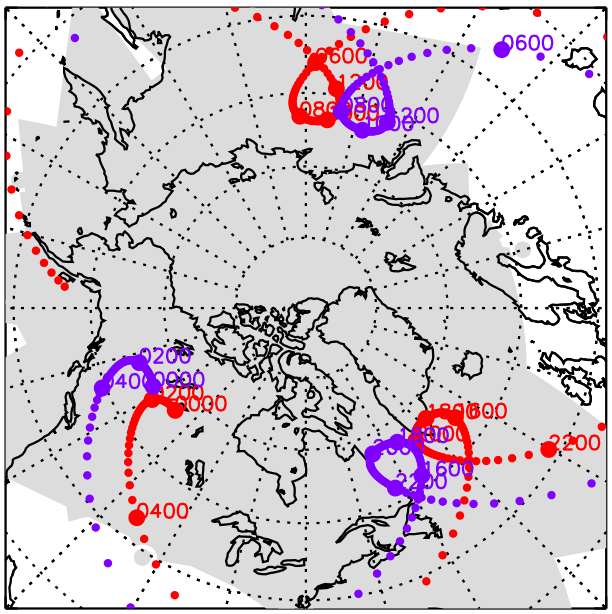
bpk dce sps

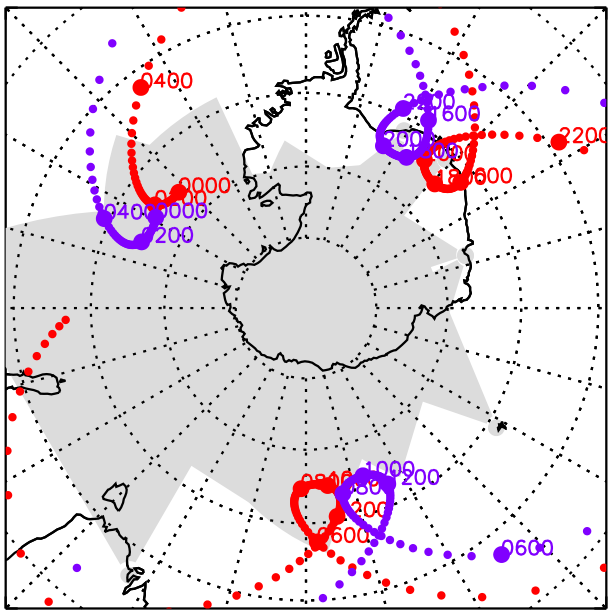


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

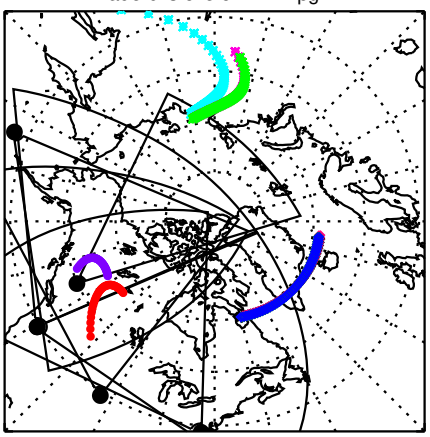
23–Aug–2015

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

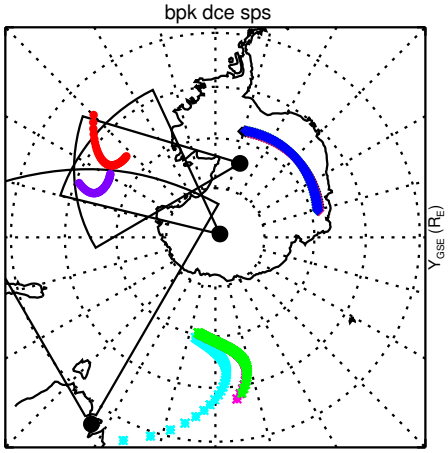


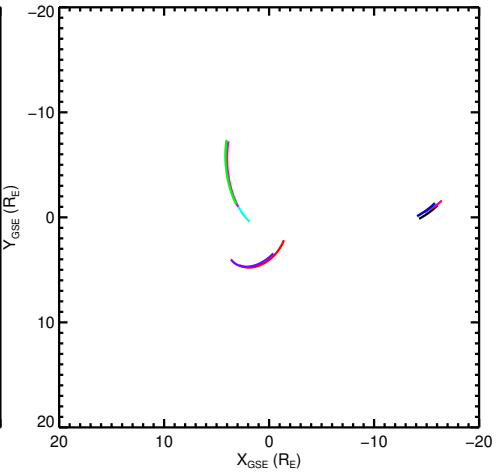


(a) 0000UT to 0345UT
ade bks cve cvw fhw pgr

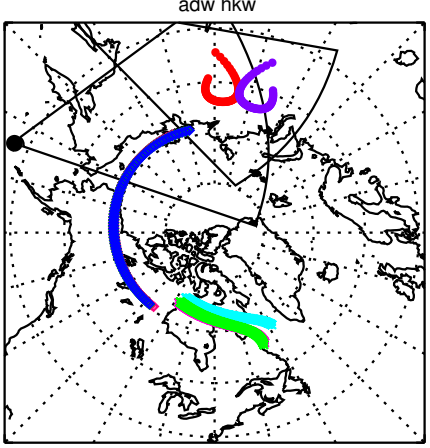


bpk dce sps

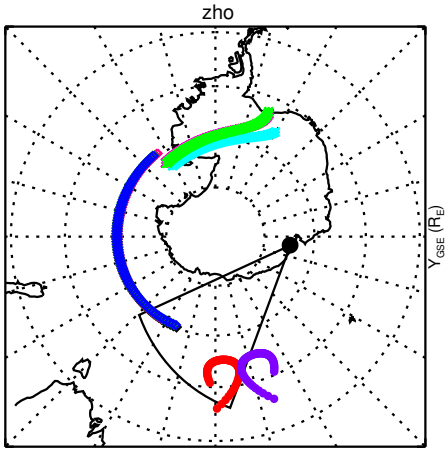


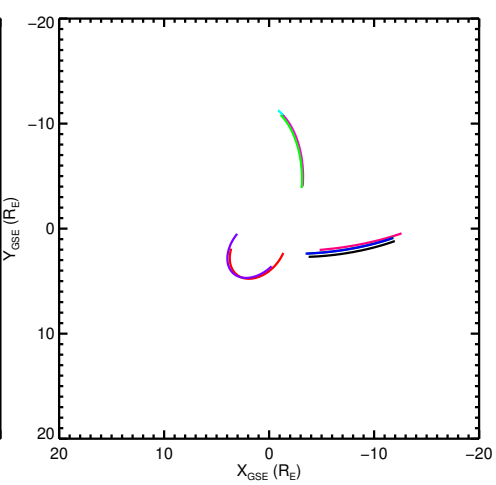


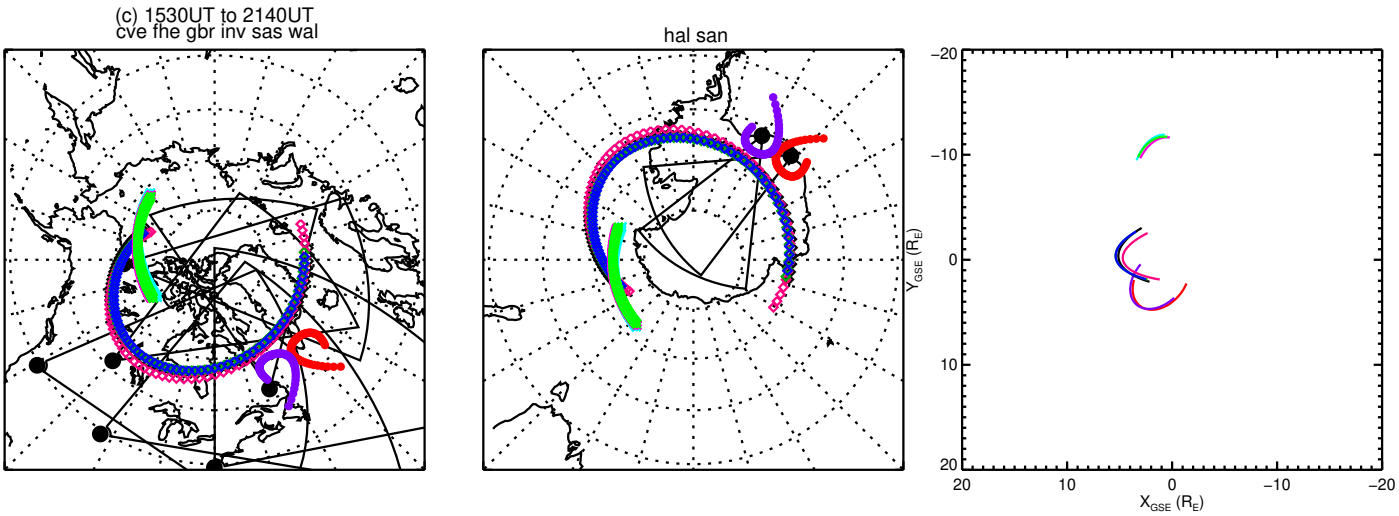
(b) 0630UT to 1240UT
adw hkw



zho



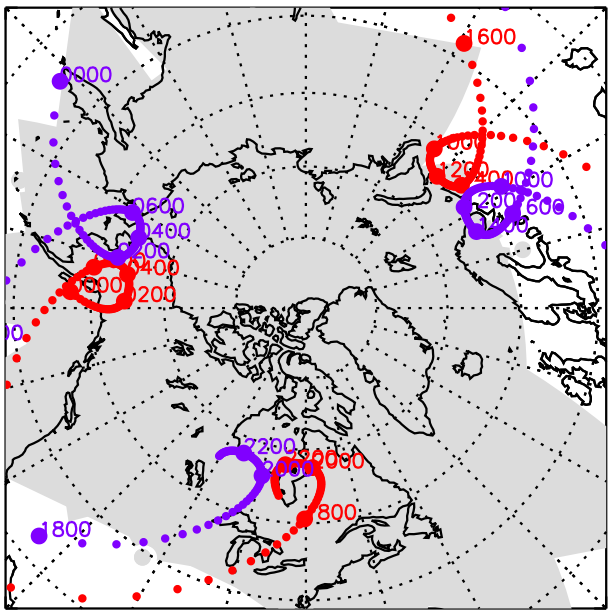


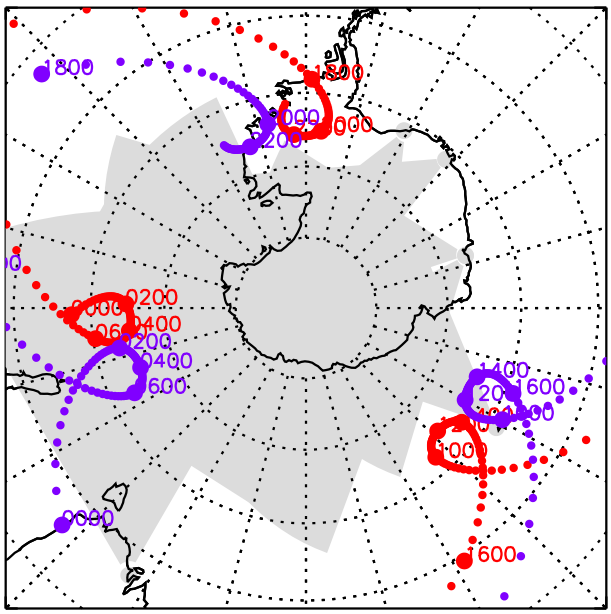

(c) 1530UT to 2140UT
cve fhe gbr inv sas wal
hal san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

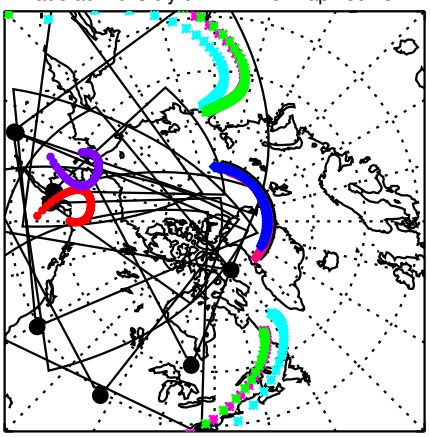
24–Aug–2015

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

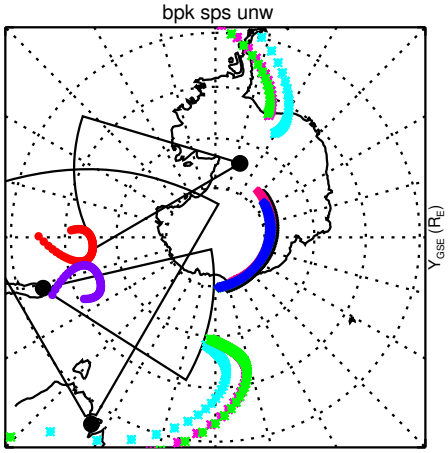


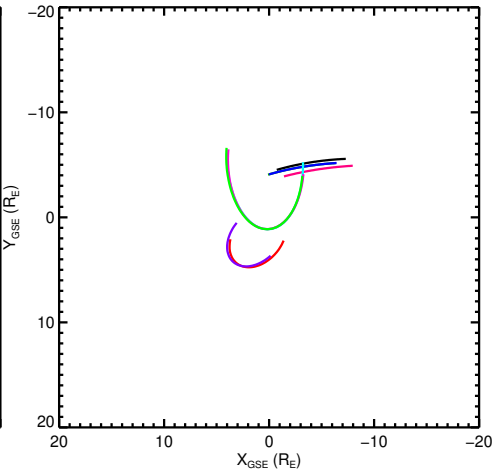


(a) 0035UT to 0640UT
ade adw bks cly cvw fhw hok kap kod ksr

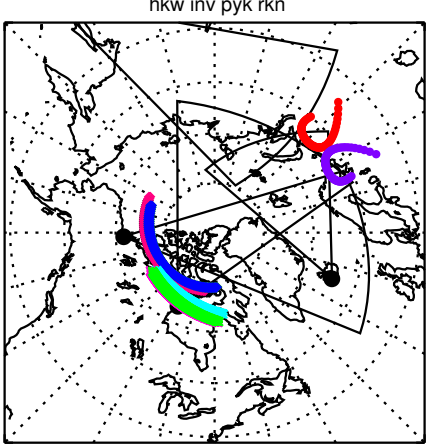


bpk sps unw

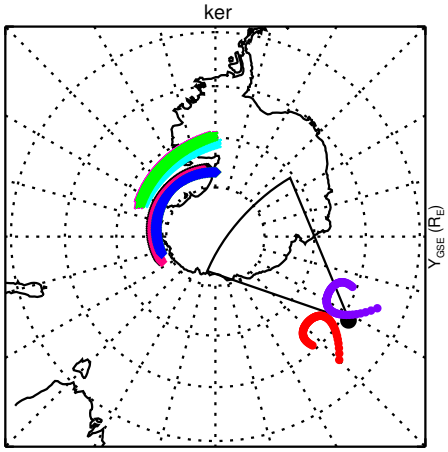


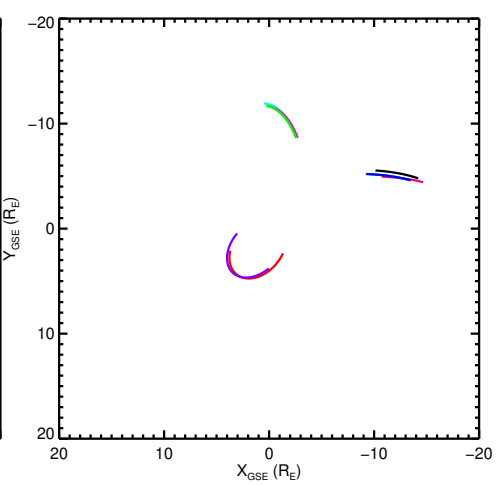


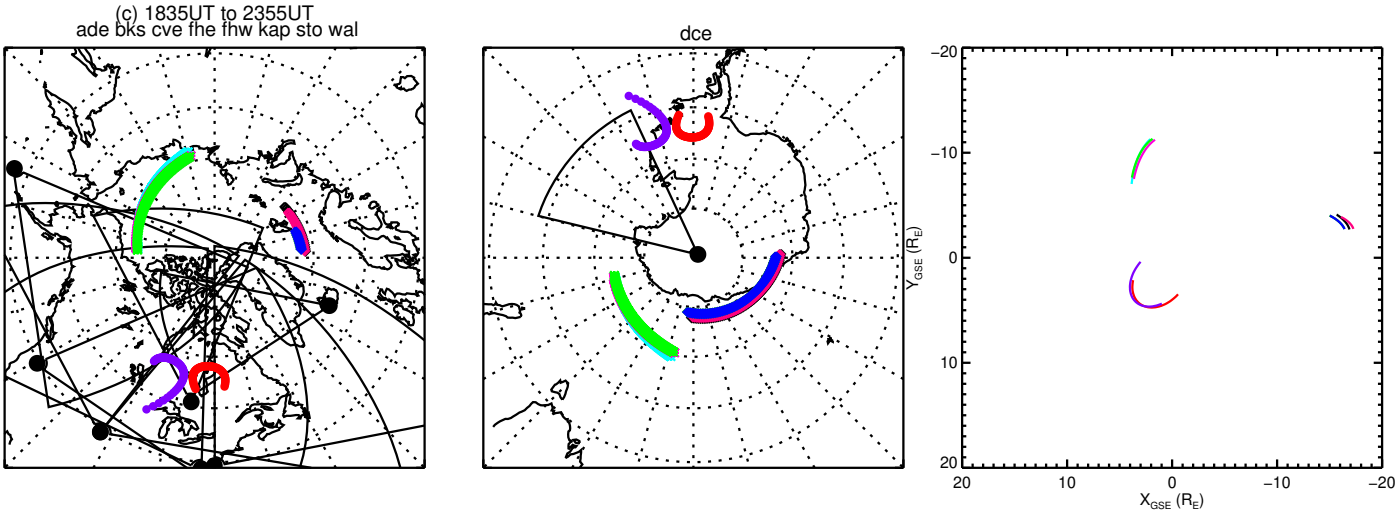
(b) 0935UT to 1535UT
hkw inv pyk rkn



ker



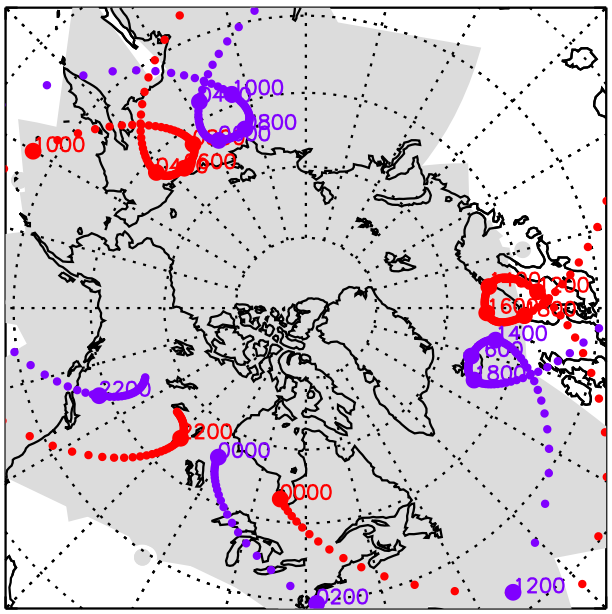


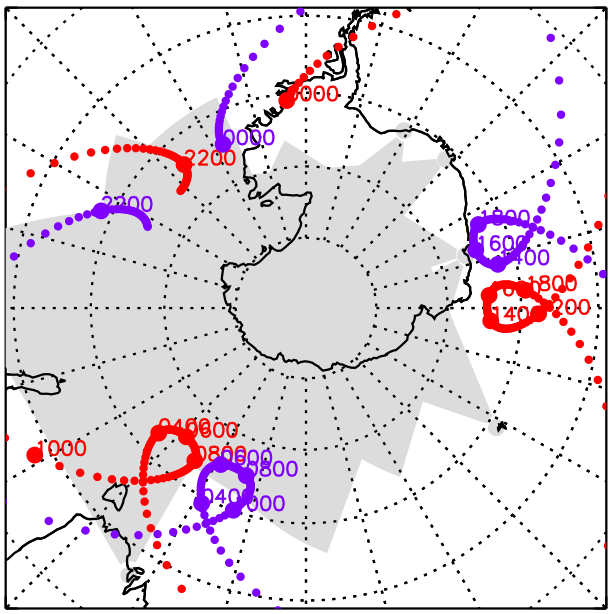

(c) 1835UT to 2355UT
ade bks cve fhe fhw kap sto wal
dce
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

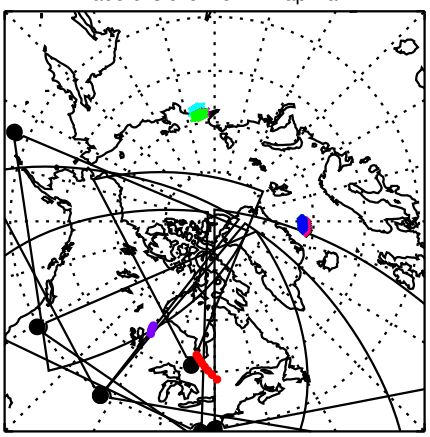
25–Aug–2015

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

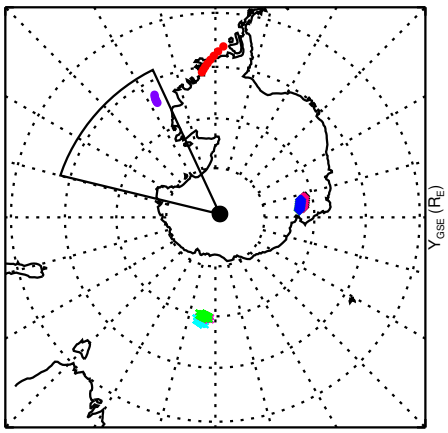


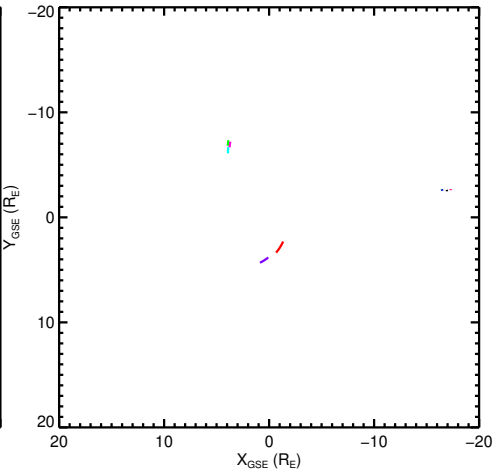


(a) 0000UT to 0035UT
ade bks cve fhe fhw kap wal

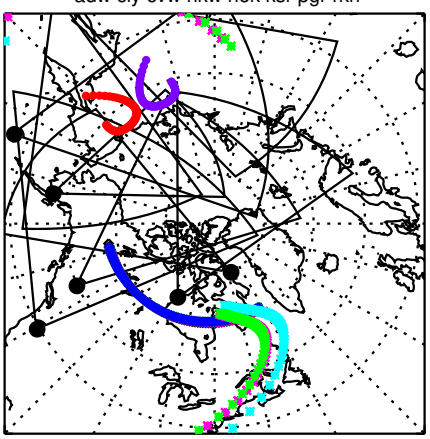


dce

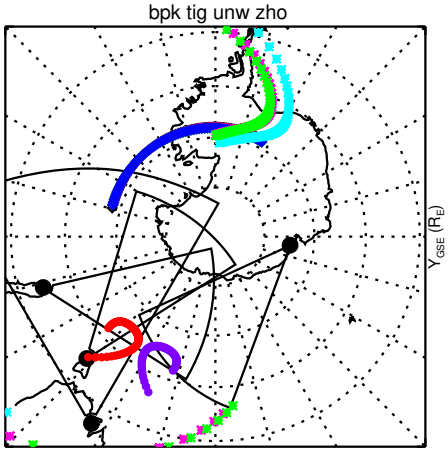


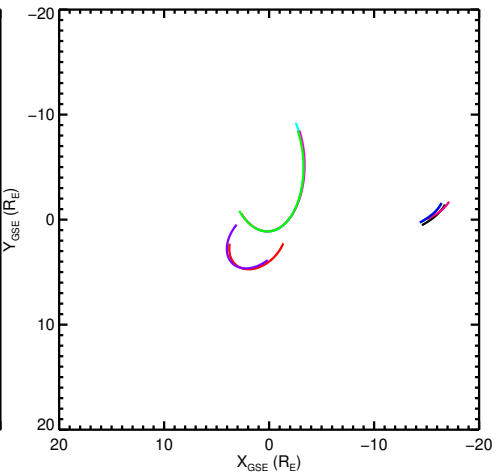


(b) 0340UT to 0935UT
adw cly cvw hkw hok ksr pgr rkn

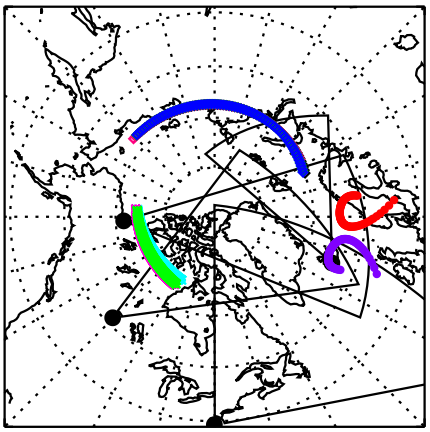


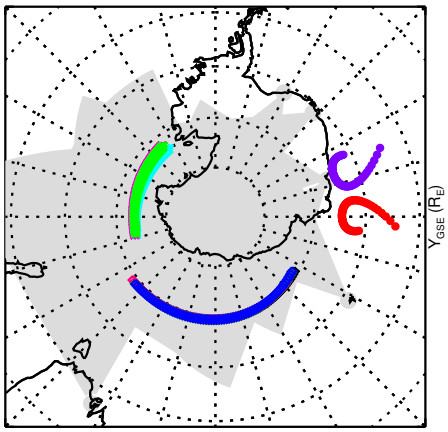
bpk tig unw zho

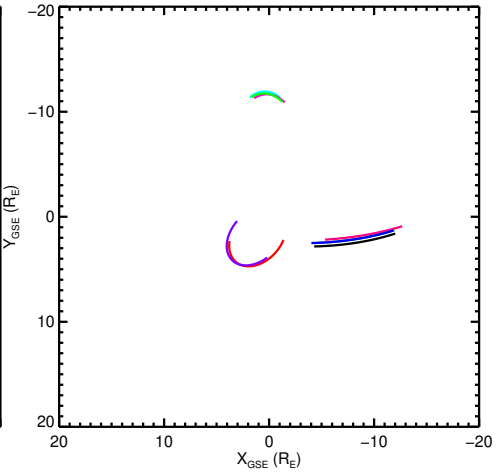




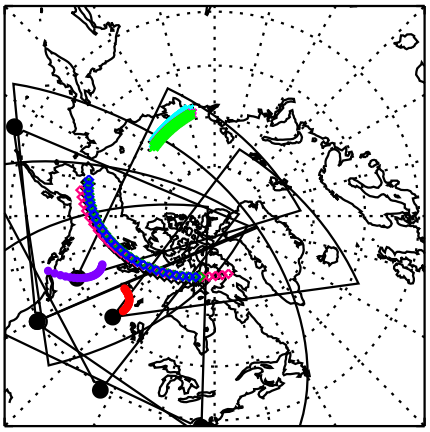
(c) 1240UT to 1835UT
inv pyk sas wal



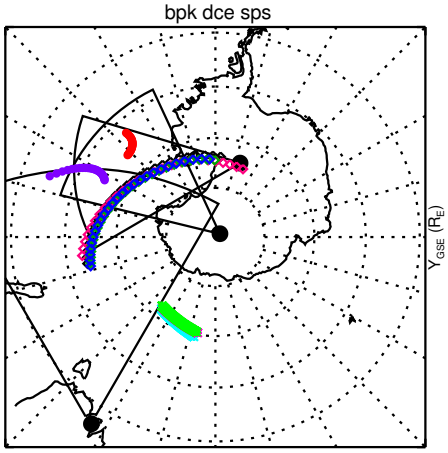


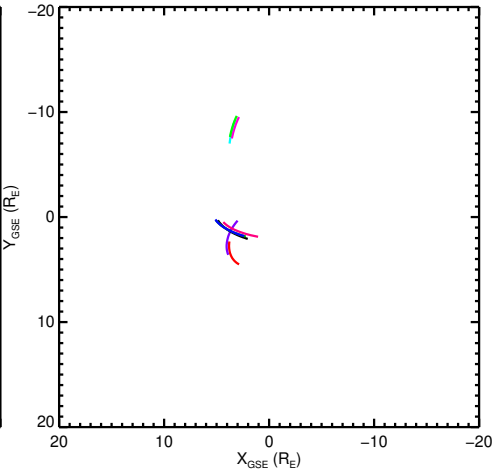


(d) 2140UT to 2355UT
ade bks cve cvw fhw pgr sas



bpk dce sps

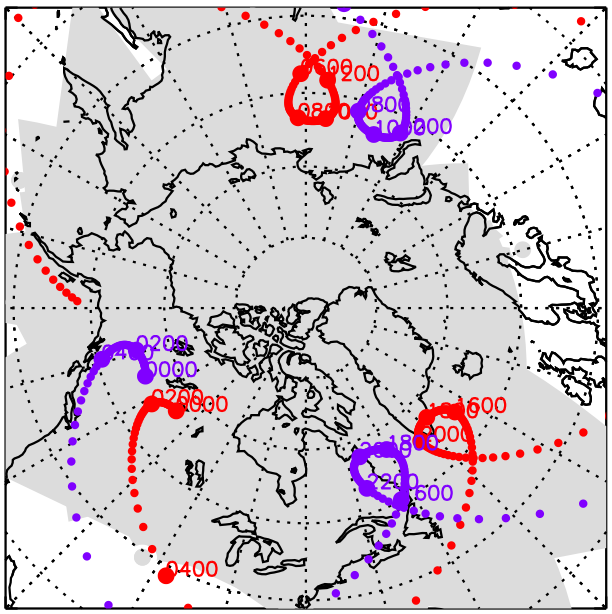


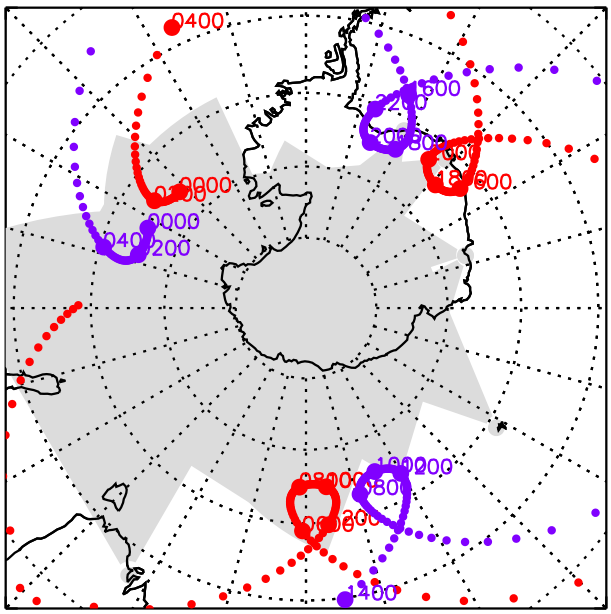


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

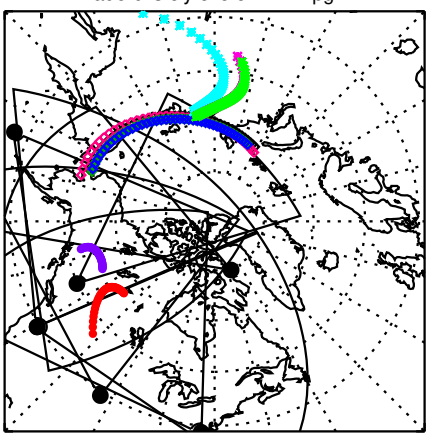
26–Aug–2015

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

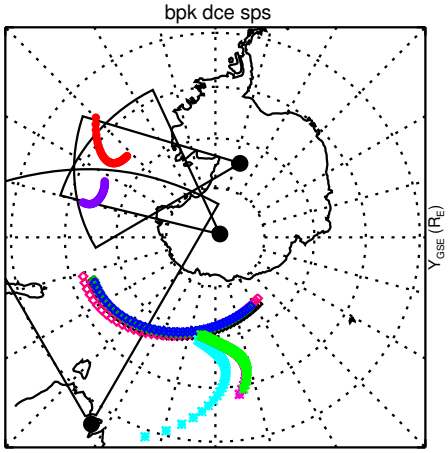


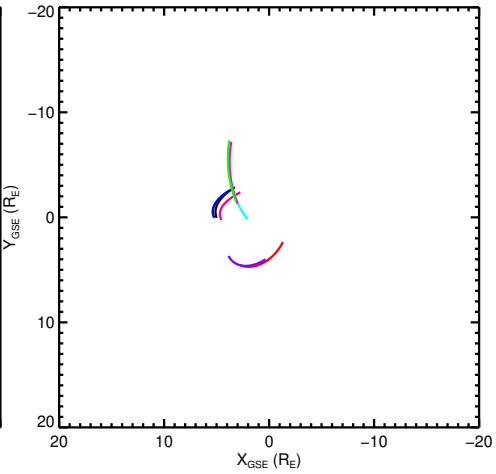


(a) 0000UT to 0330UT
ade bks cly cve cvw fhw pgr

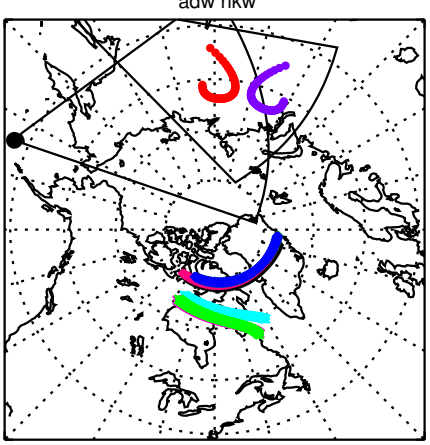


bpk dce sps

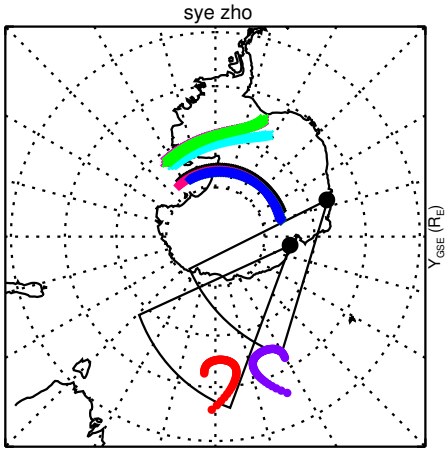


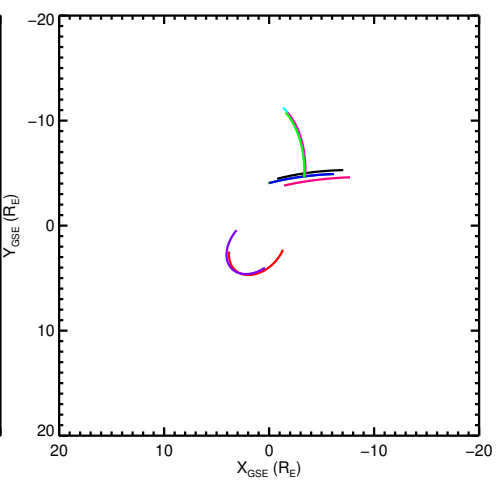


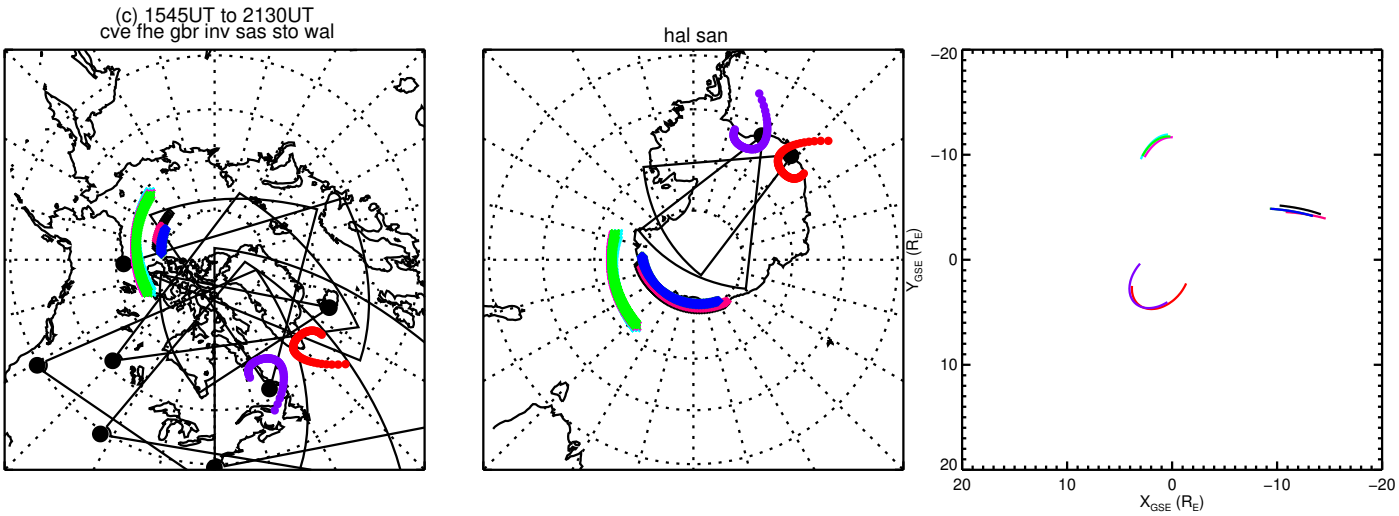
(b) 0645UT to 1230UT
adw hkw



sye zho



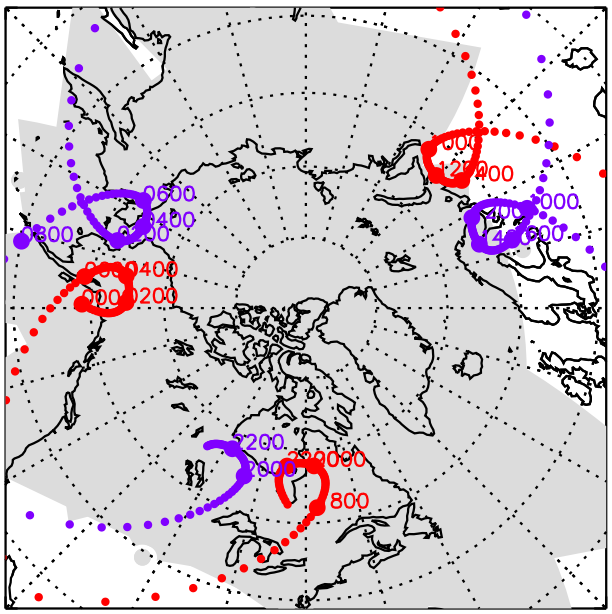


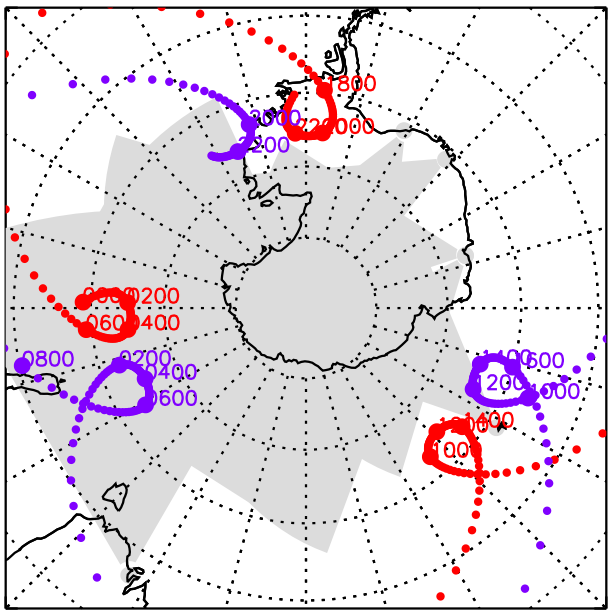

(c) 1545UT to 2130UT
cve fhe gbr inv sas sto wal
hal san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

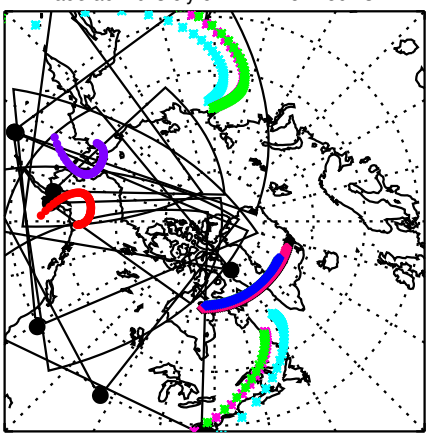
27–Aug–2015

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

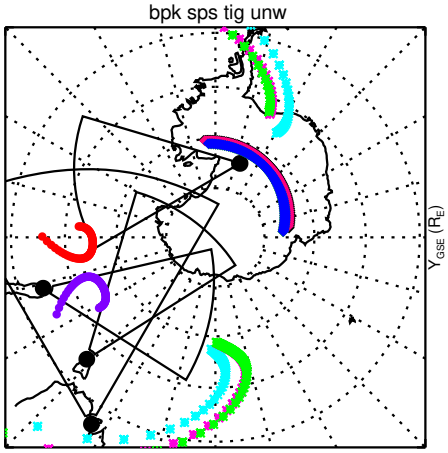


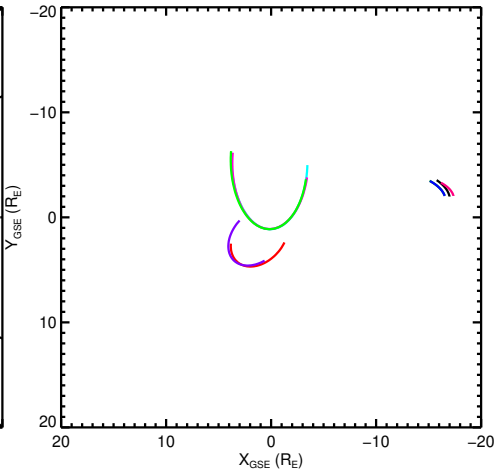


(a) 0045UT to 0625UT
ade adw bks cly cvw fhw hok kod ksr

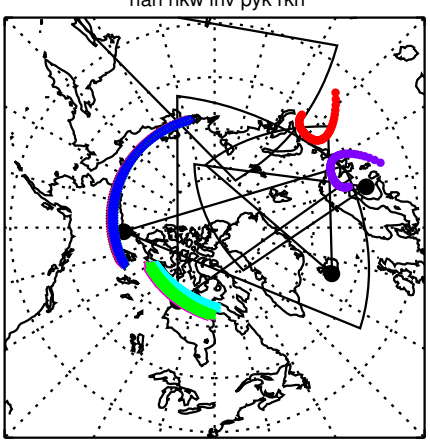


bpk sps tig unw

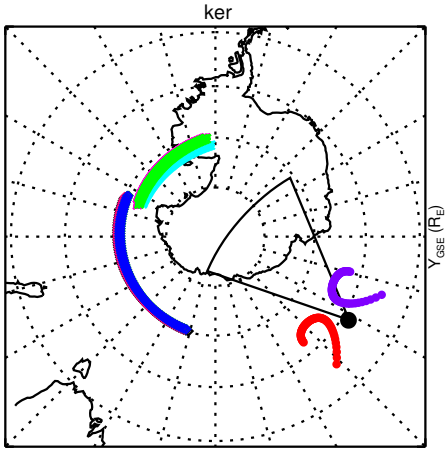


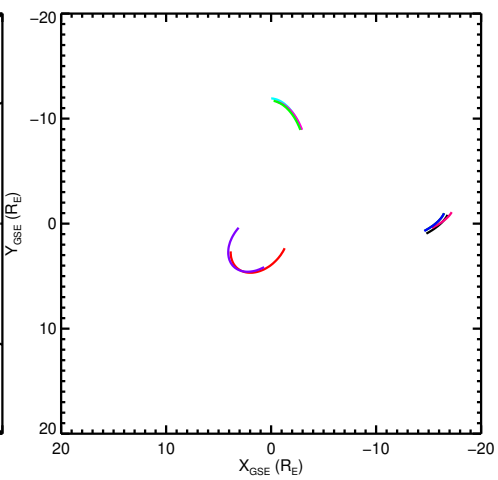


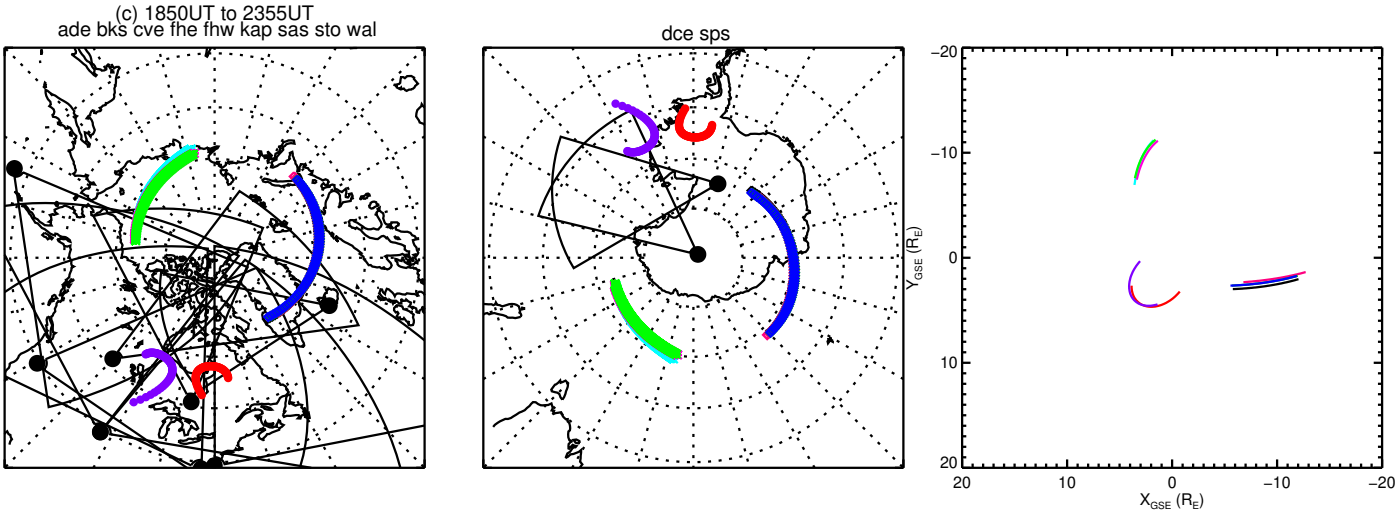
(b) 0950UT to 1525UT
han hkw inv pyk rkn



ker



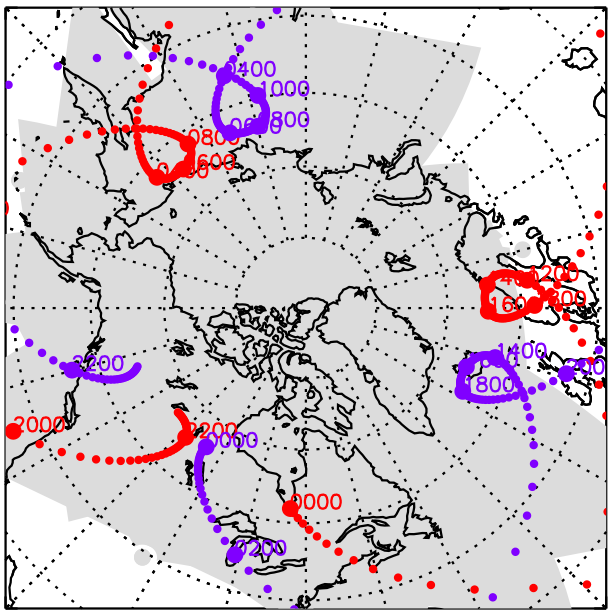


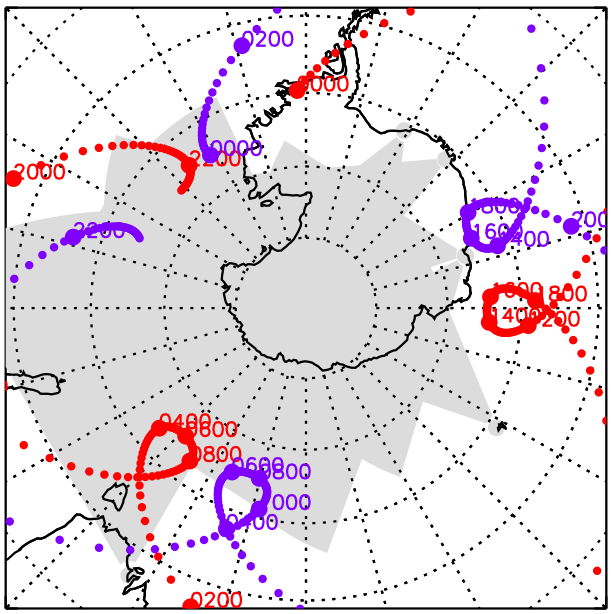

(c) 1850UT to 2355UT
ade bks cve fhe fhw kap sas sto wal
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

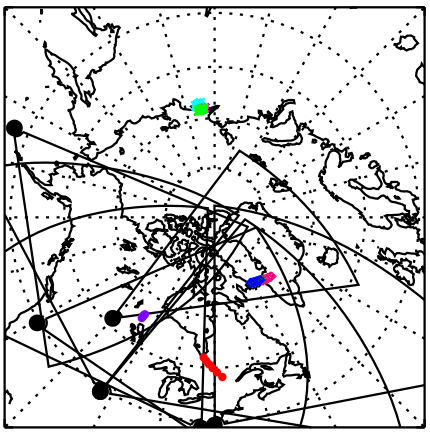
28–Aug–2015

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

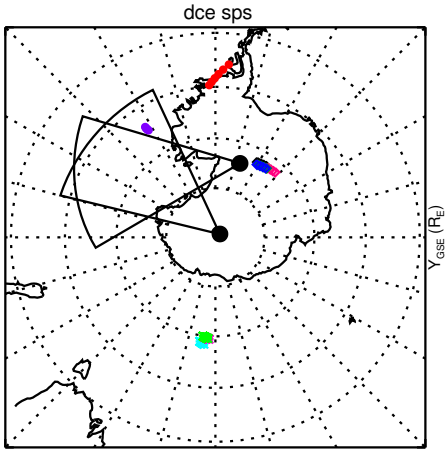


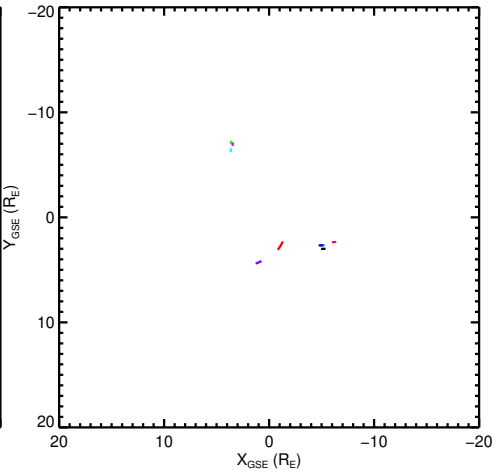


(a) 0000UT to 0025UT
ade bks cve fhe fhw sas wal

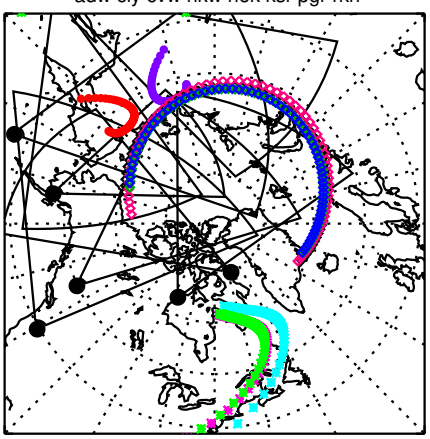


dce sps

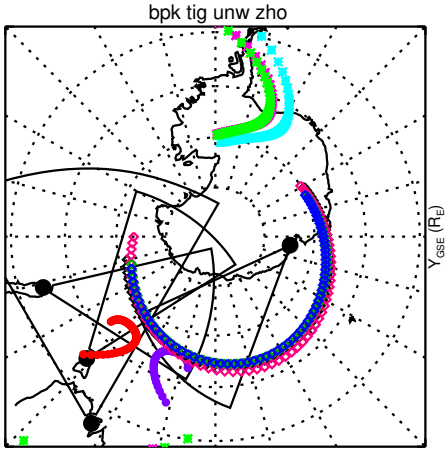


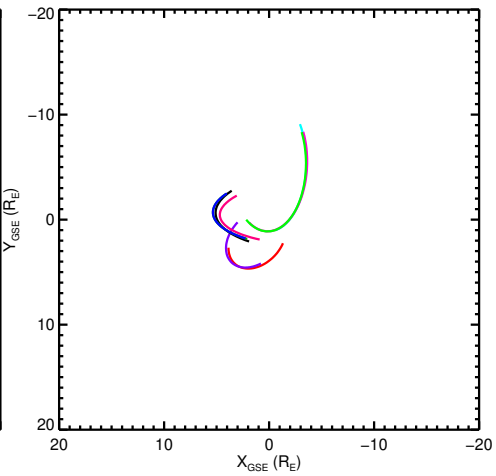


(b) 0350UT to 0925UT
adw cly cvw hkw hok ksr pgr rkn

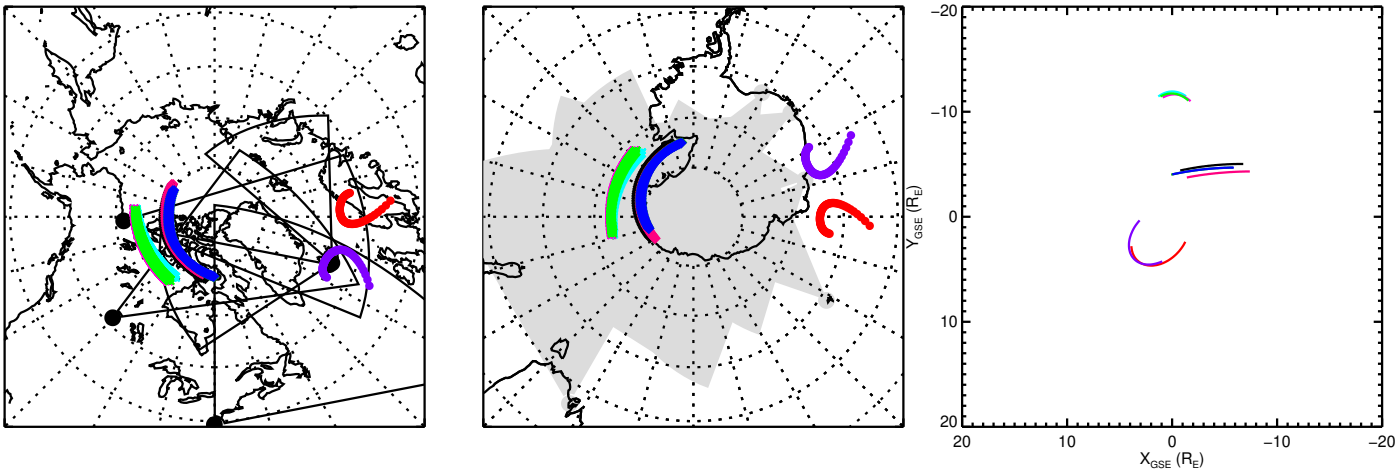


bpk tig unw zho



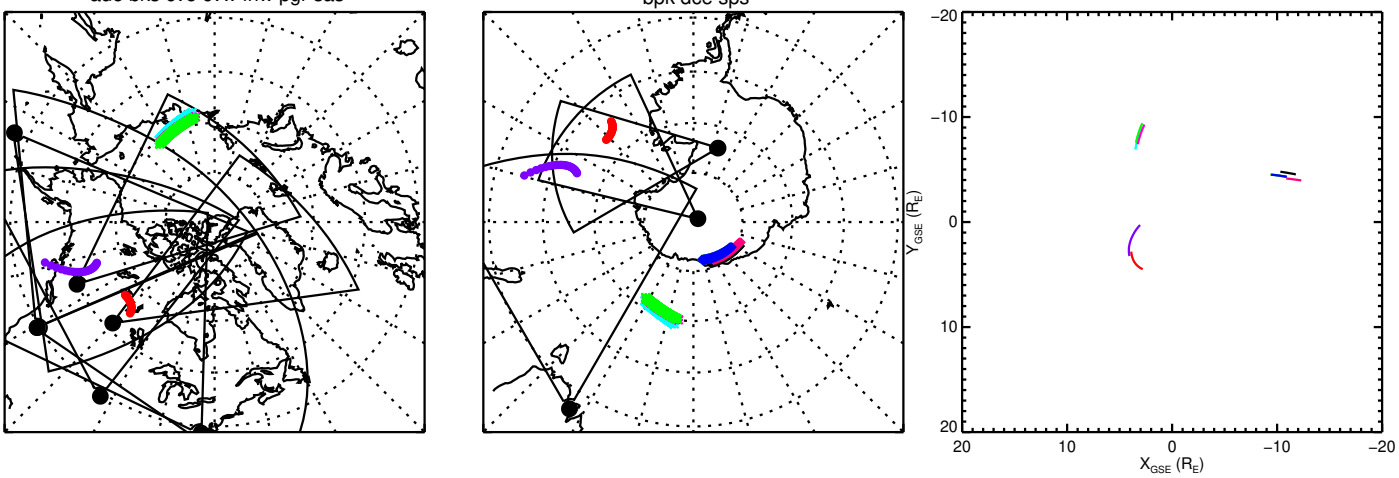


(c) 1255UT to 1820UT
inv pyk sas sto wal



(d) 2155UT to 2355UT
ade bks cve cvw fhw pgr sas

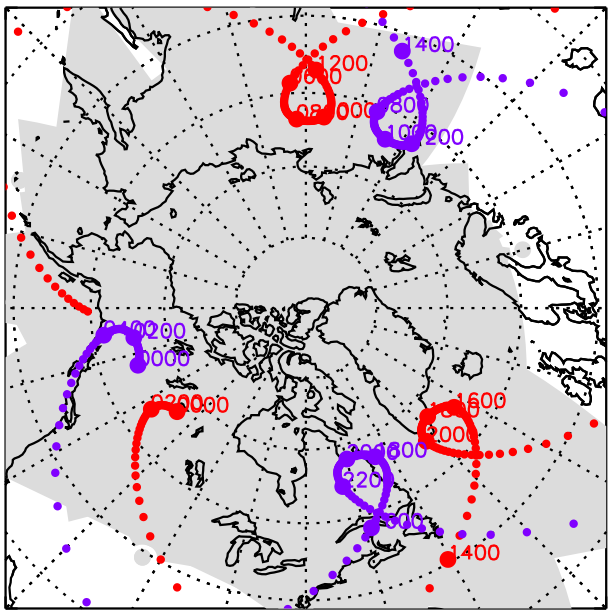
bpk dce sps

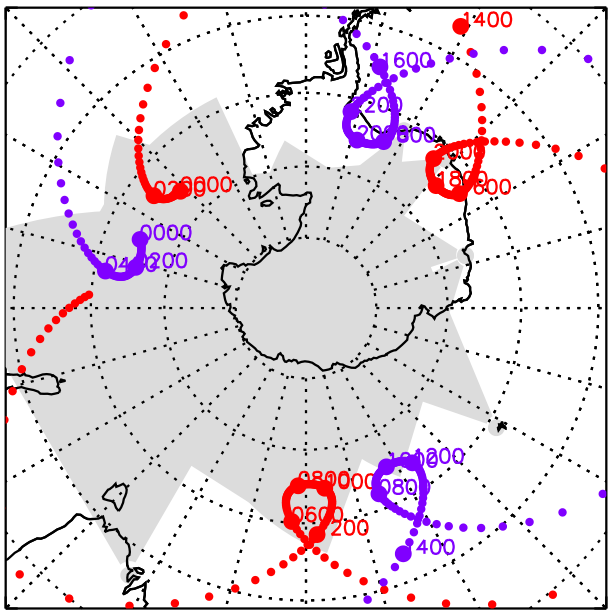


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

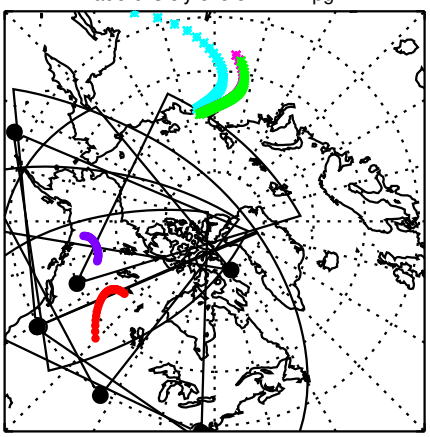
29–Aug–2015

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

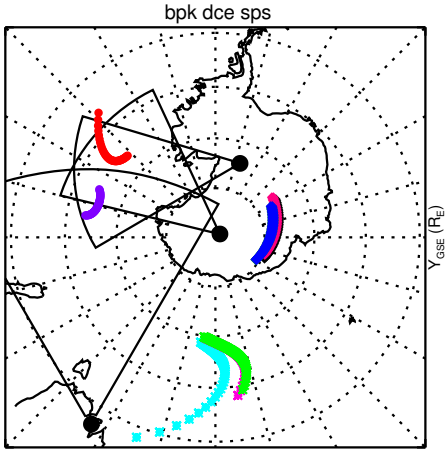


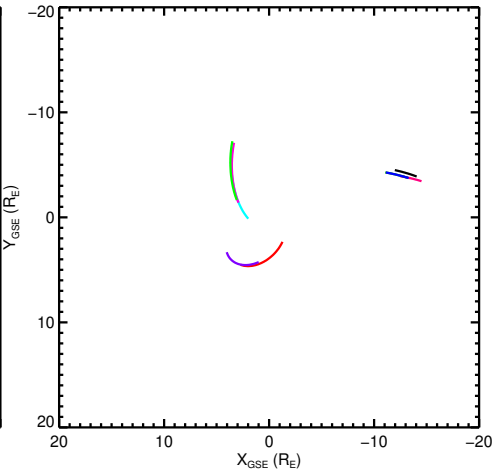


(a) 0000UT to 0320UT
ade bks cly cve cvw fhw pgr

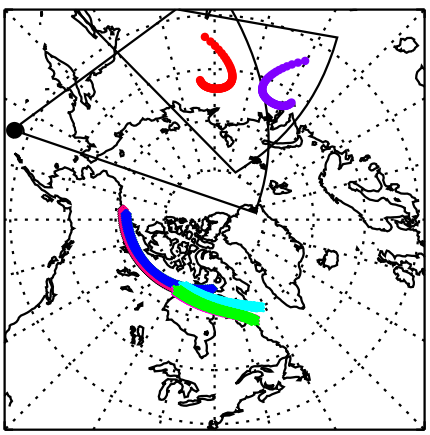


bpk dce sps

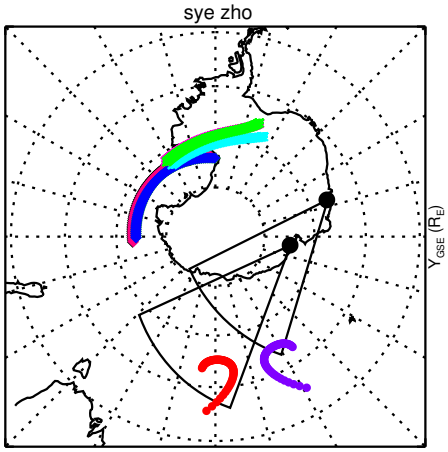


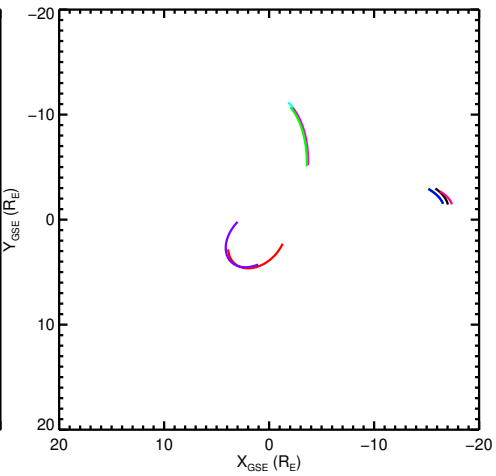


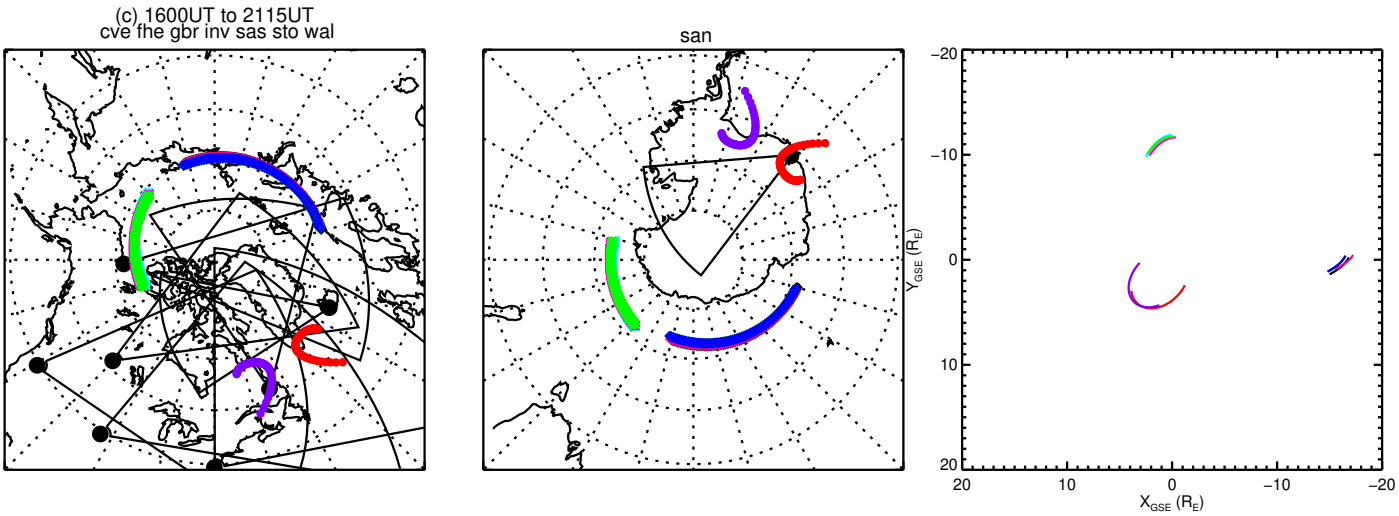
(b) 0655UT to 1220UT
adw hkw



sye zho



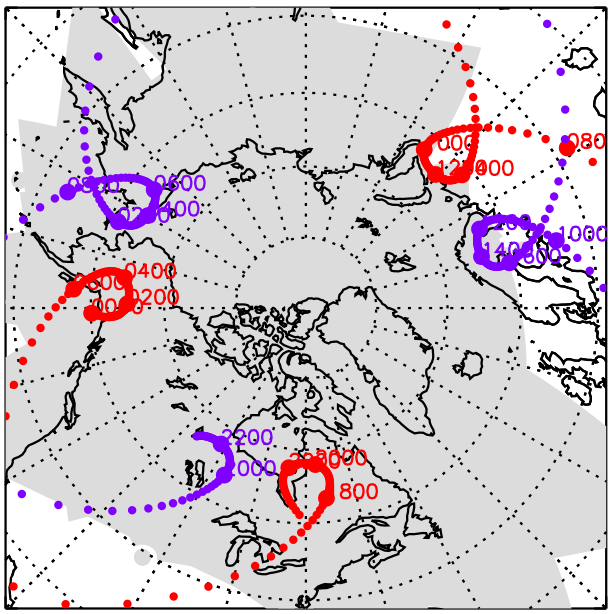


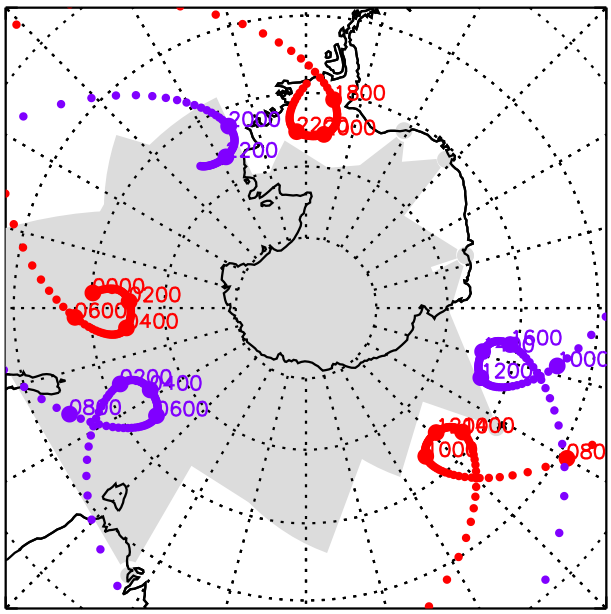

(c) 1600UT to 2115UT
cve fhe gbr inv sas sto wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

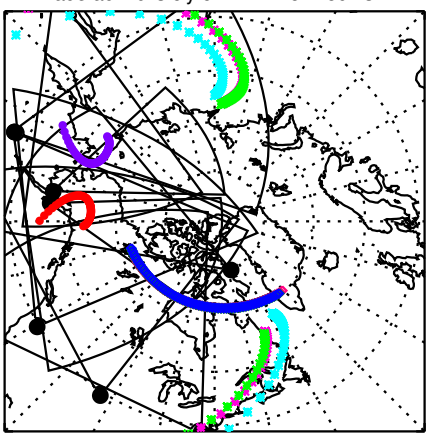
30–Aug–2015

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

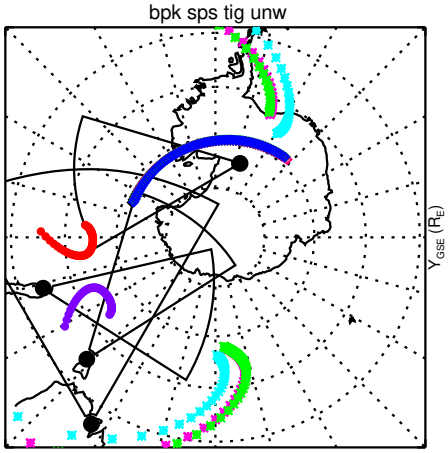


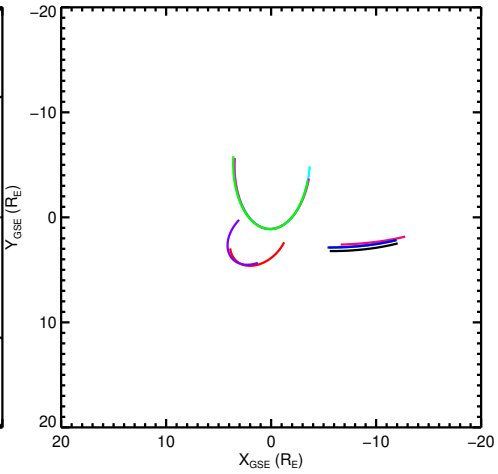


(a) 0100UT to 0615UT
ade adw bks cly cvw fhw hok kod ksr

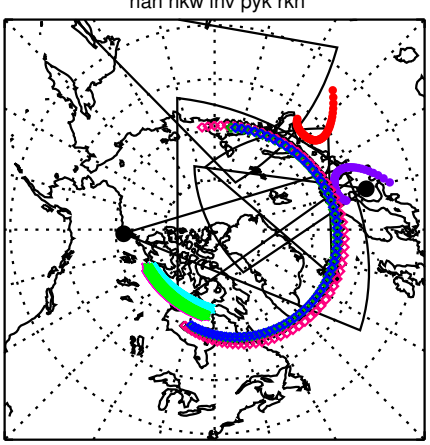


bpk sps tig unw

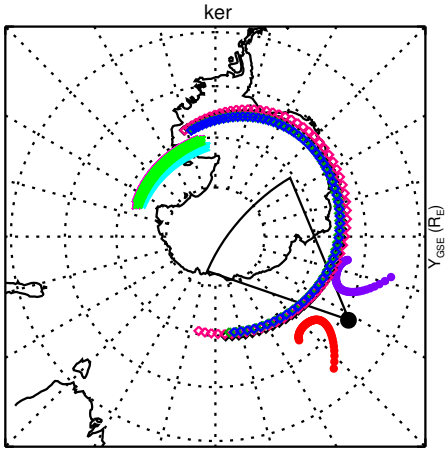


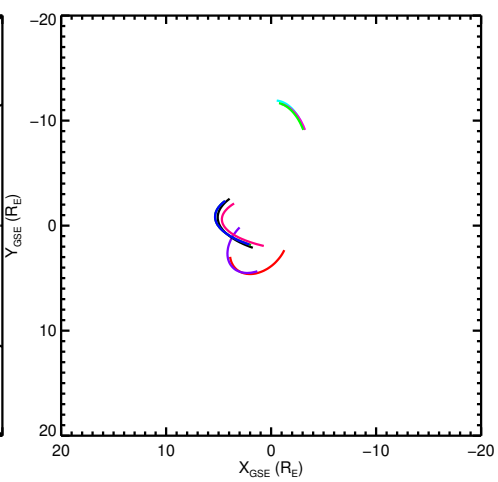


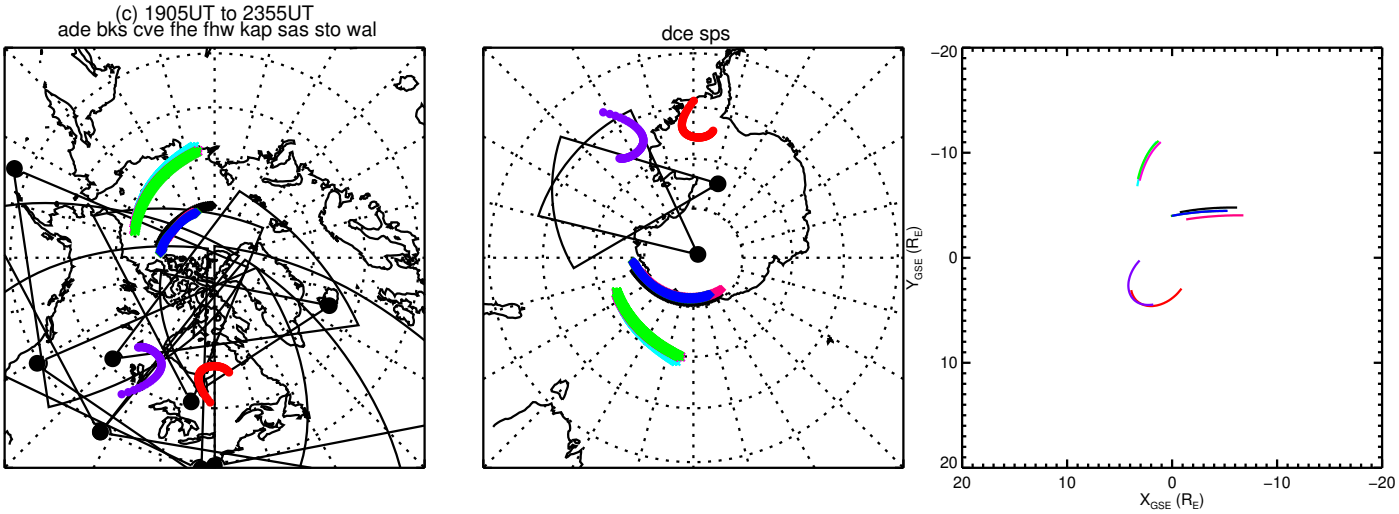
(b) 1000UT to 1515UT
han hkw inv pyk rkn



ker



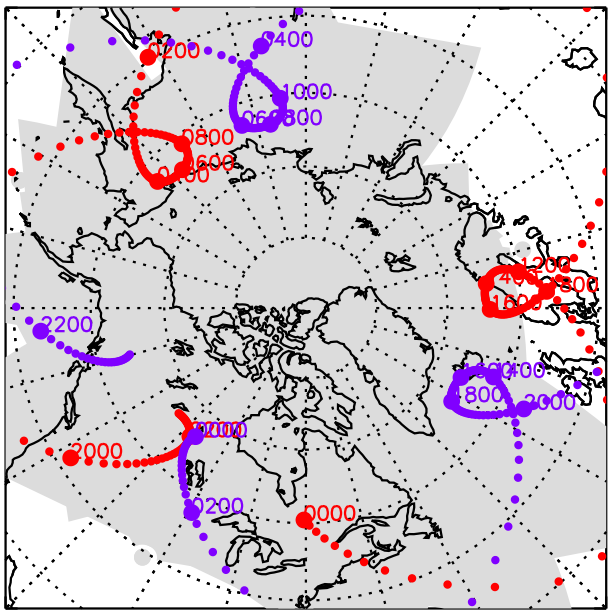


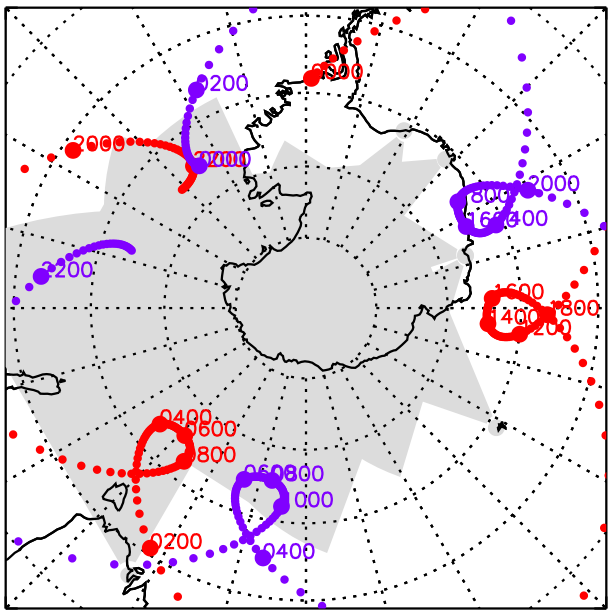

(c) 1905UT to 2355UT
ade bks cve fhe fhw kap sas sto wal
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

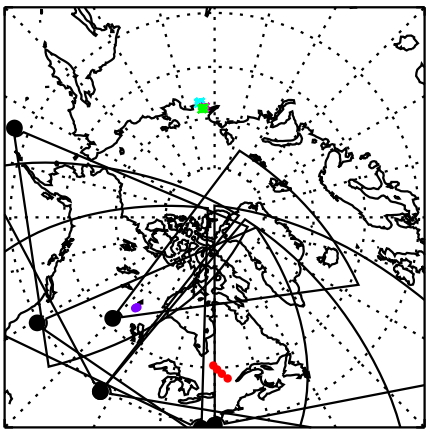
31−Aug−2015

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

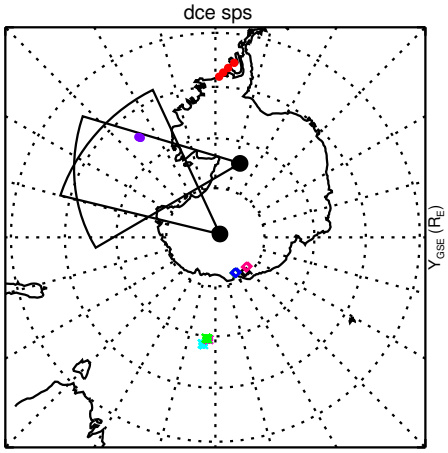


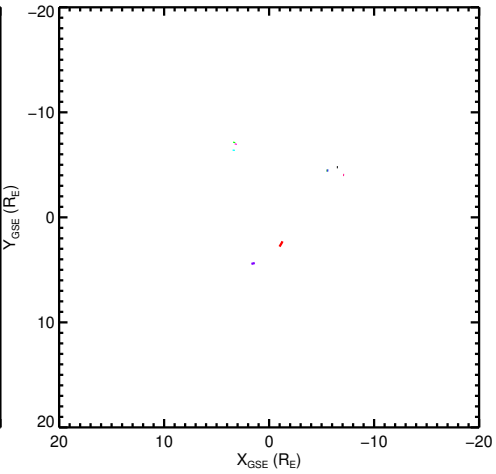


(a) 0000UT to 0015UT
ade bks cve fhe fhw sas wal

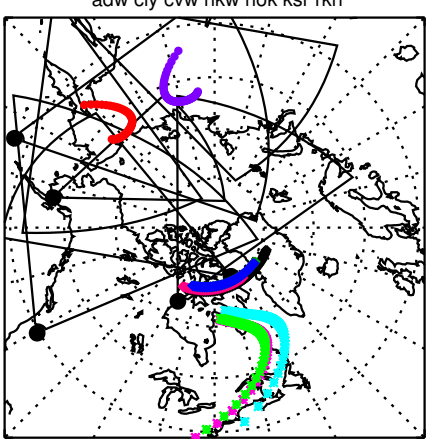


dce sps

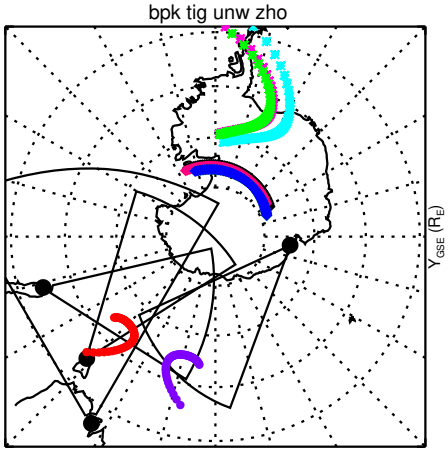


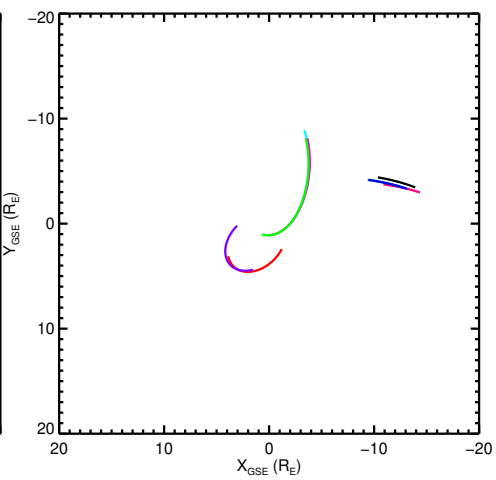


(b) 0405UT to 0910UT
adw cly cvw hkw hok ksr rkn

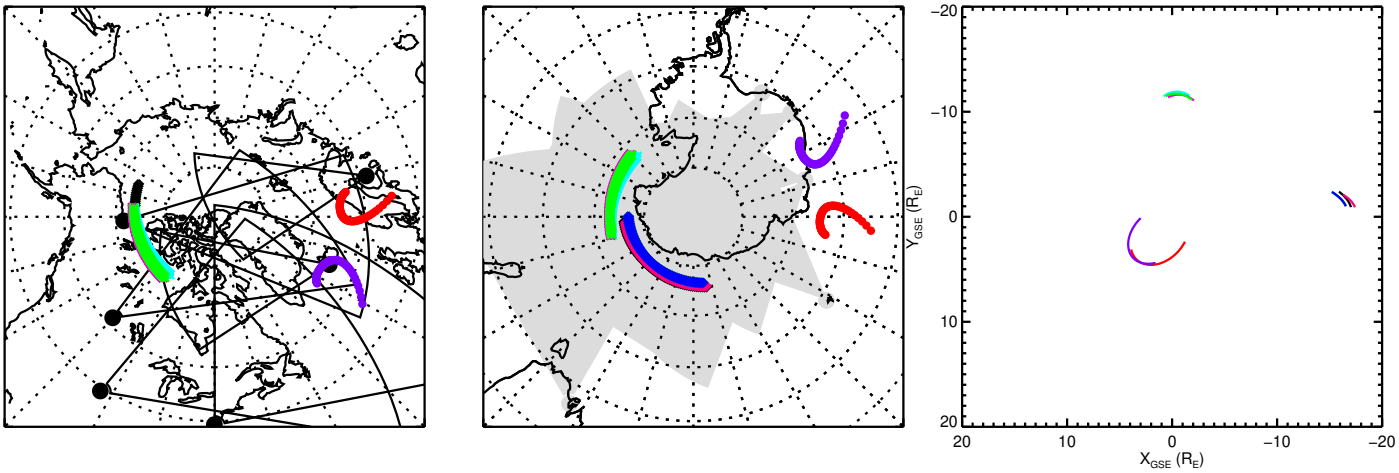


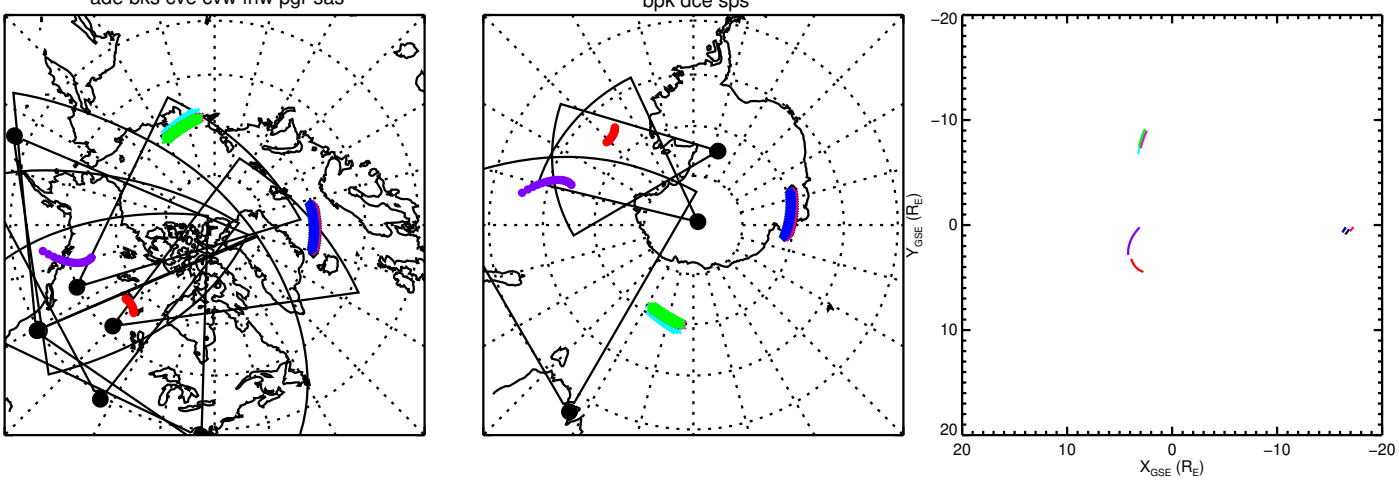
bpk tig unw zho





(c) 1305UT to 1810UT
fhe han inv sas sto wal



(d) 2210UT to 2355UT
ade bks cve cvw fhw pgr sas

bpk dce sps