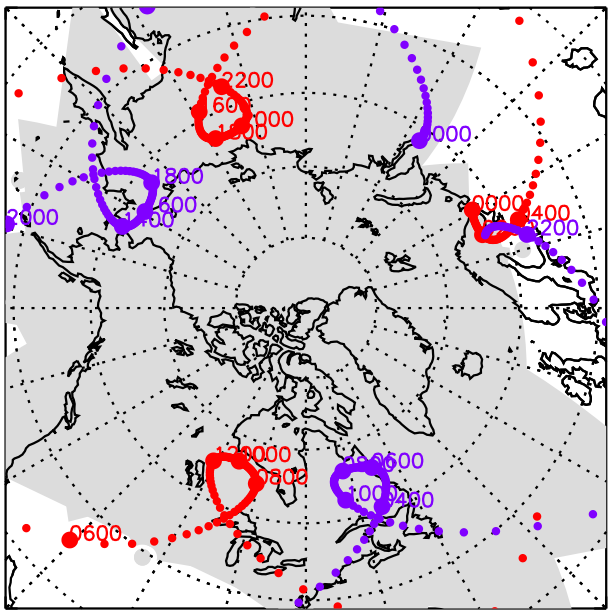
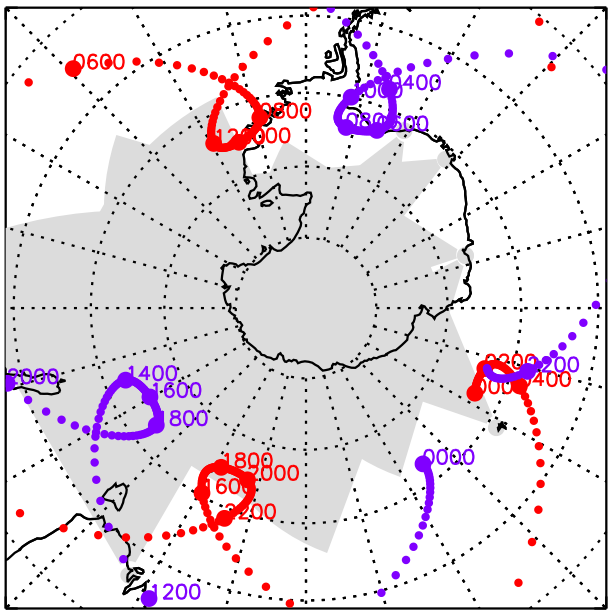
# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

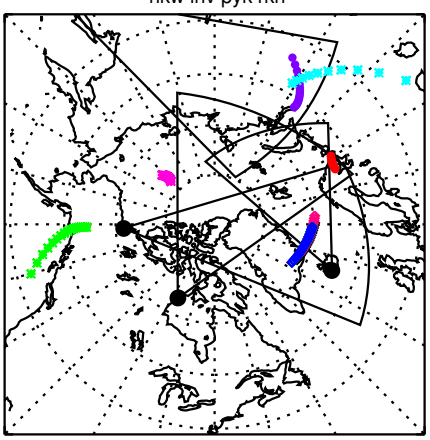
01−Aug−2016

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





(a) 0000UT to 0130UT
hkw inv pyk rkn



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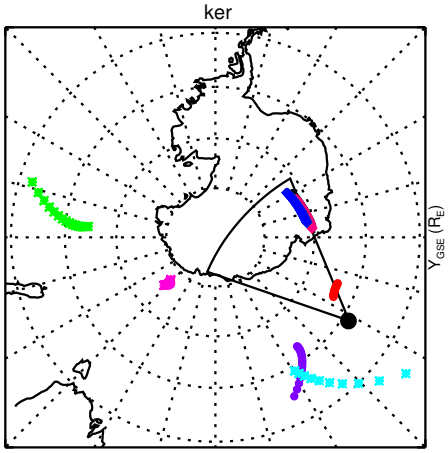
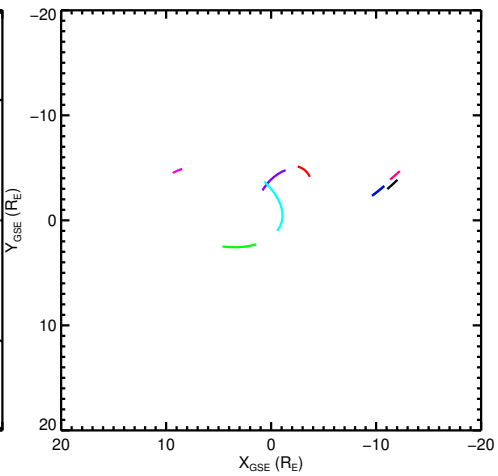
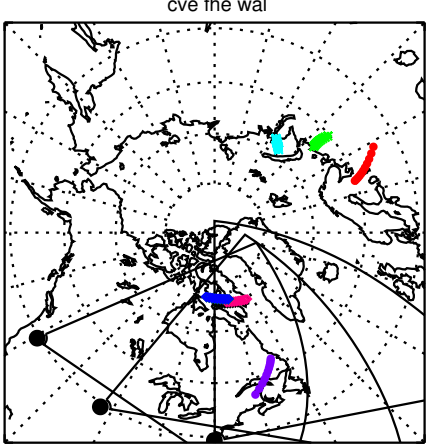
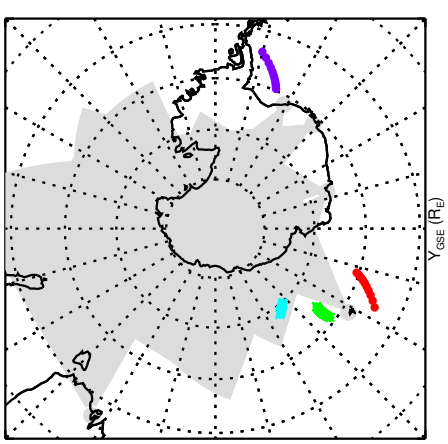
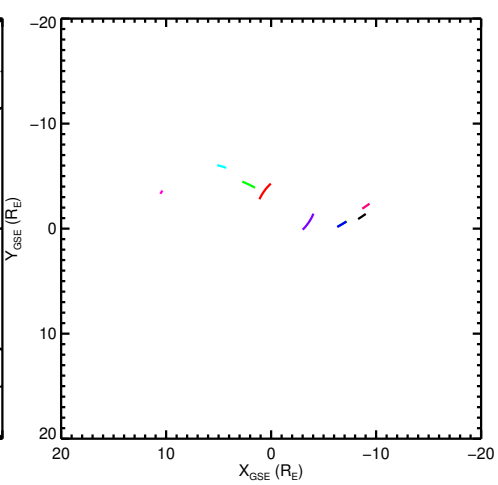




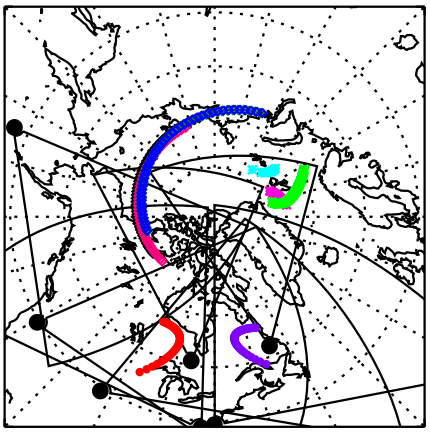

(b) 0335UT to 0425UT
cve fhe wal



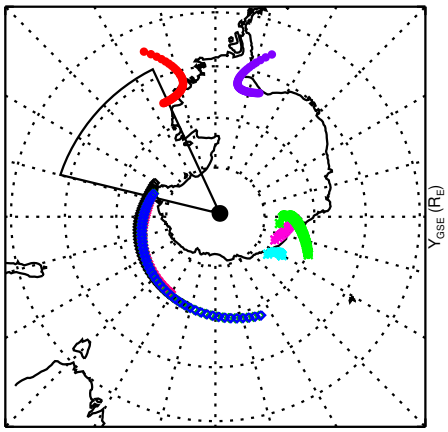


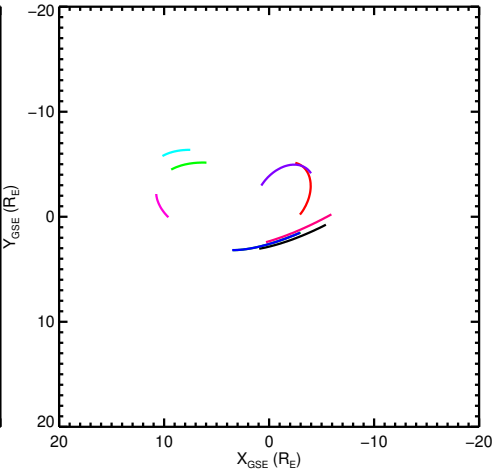


(c) 0630UT to 1030UT
ade bks cve fhe gbr kap wal

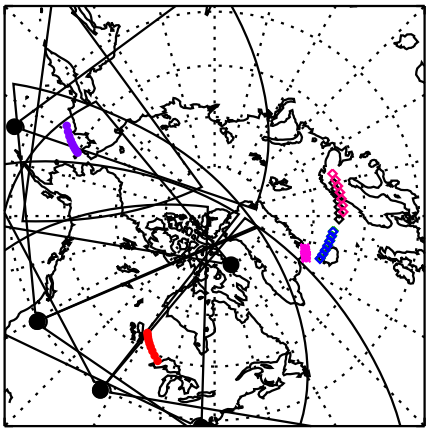


dce

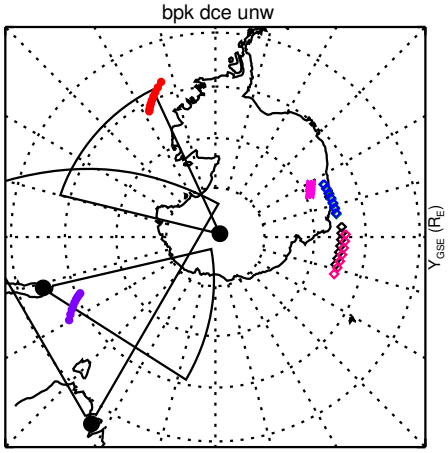


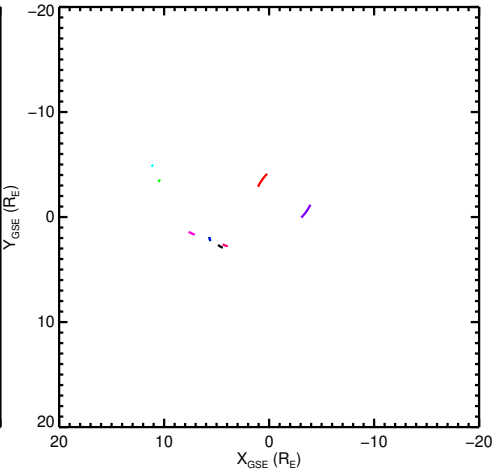



(d) 1240UT to 1320UT
adw bks cly cve cvw fhe fhw hok

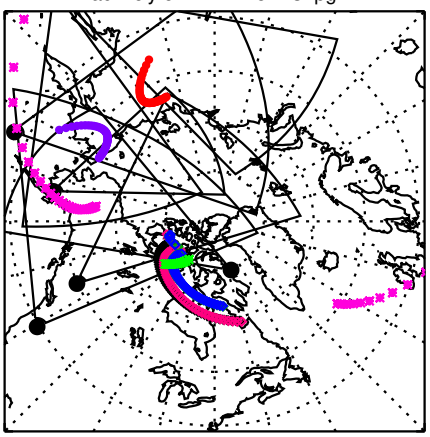


bpk dce unw

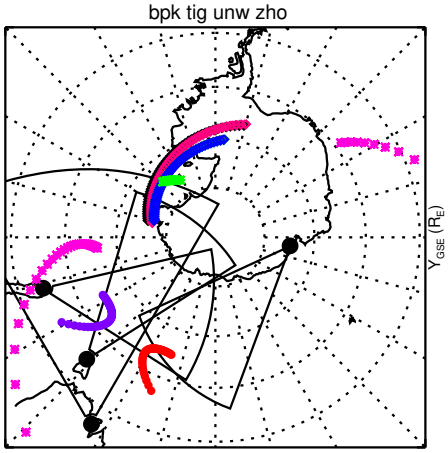


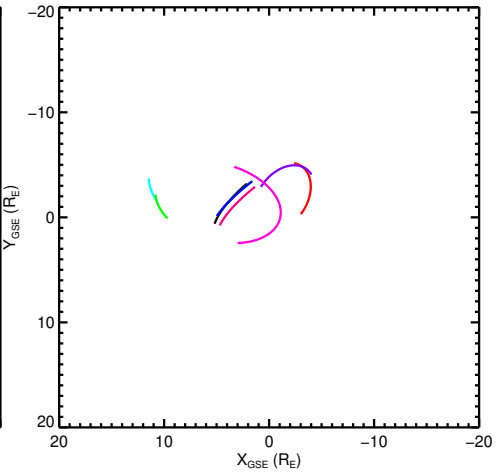



(e) 1530UT to 1935UT
adw cly cvw hkw hok ksr pgr

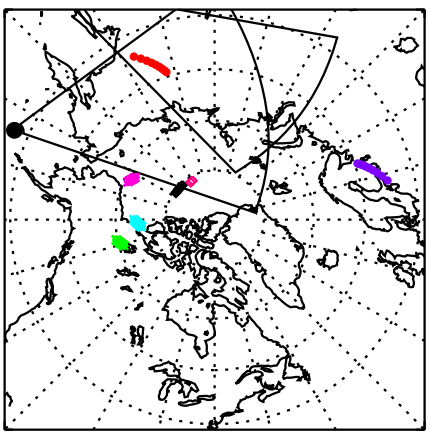


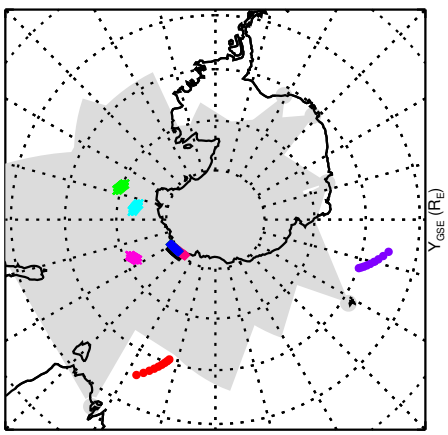
bpk tig unw zho

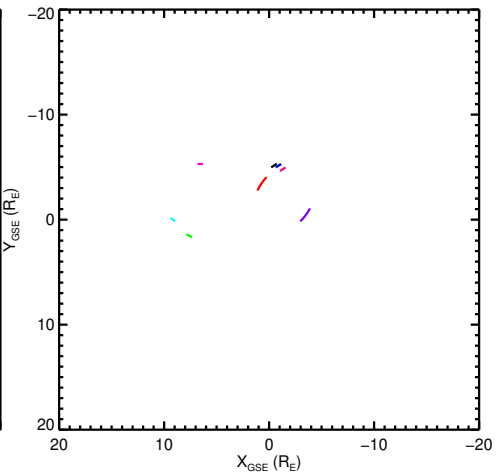





(f) 2140UT to 2220UT
adw hkw



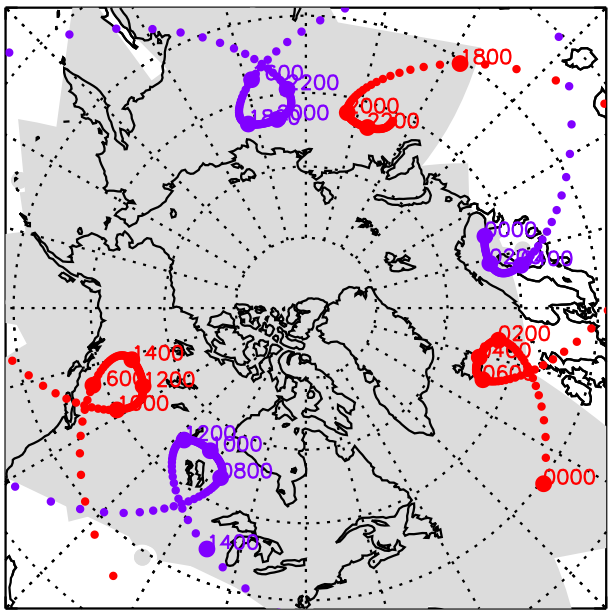


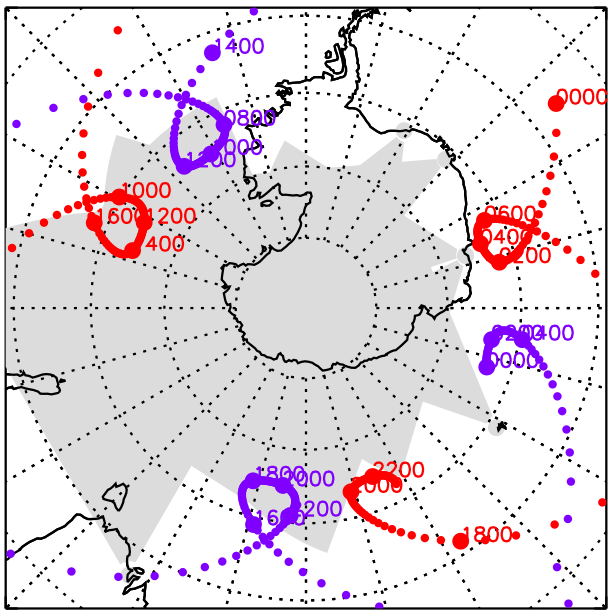


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

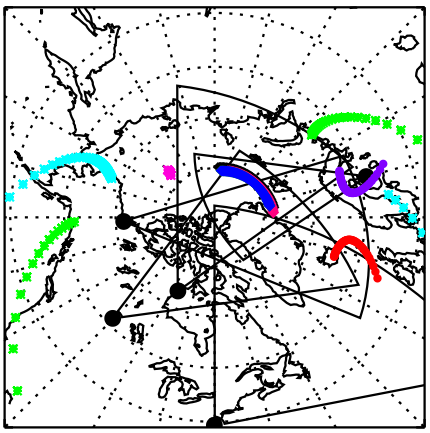
02–Aug–2016

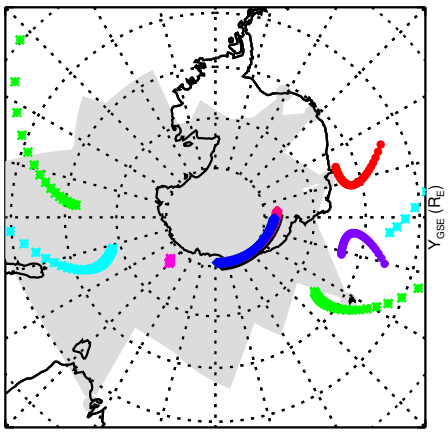
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

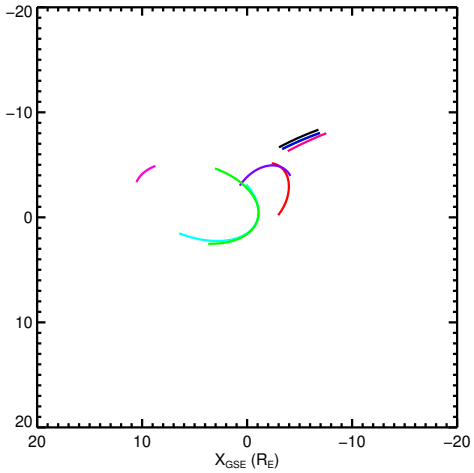




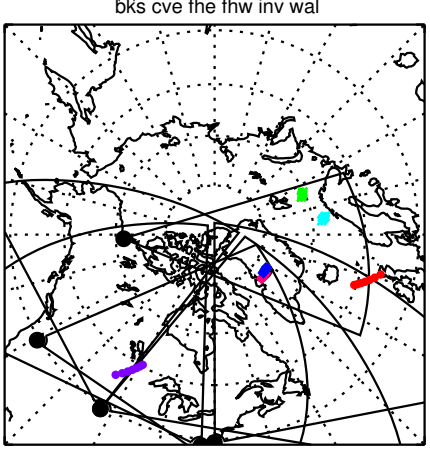
(a) 0025UT to 0435UT
han inv rkn sas wal



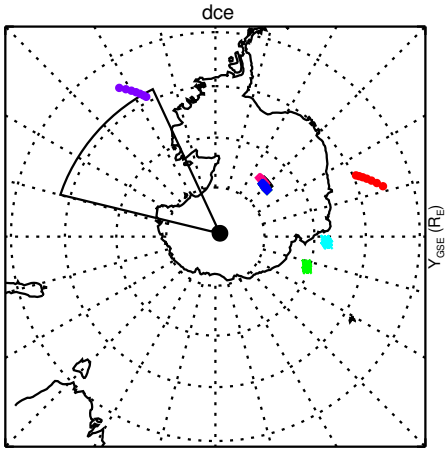


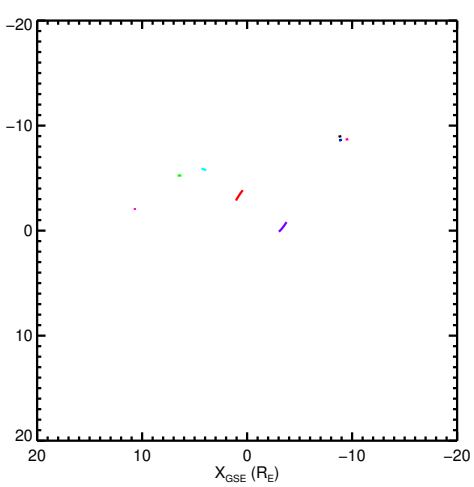



(b) 0645UT to 0715UT
bks cve fhe fhw inv wal

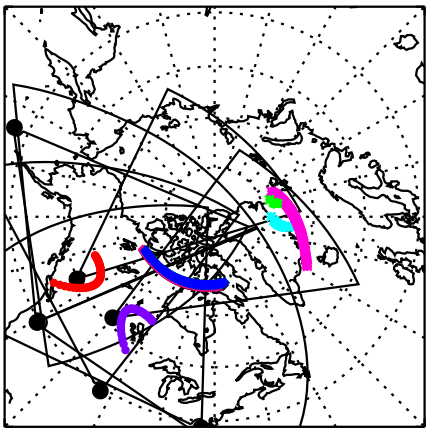


dce

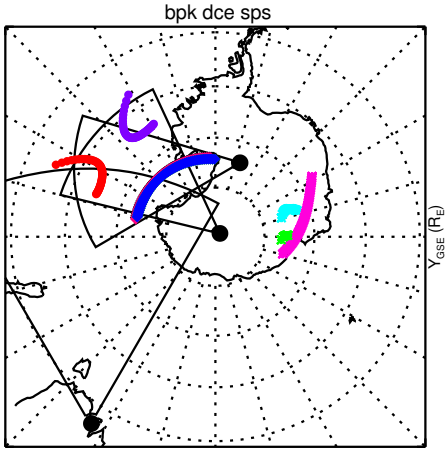


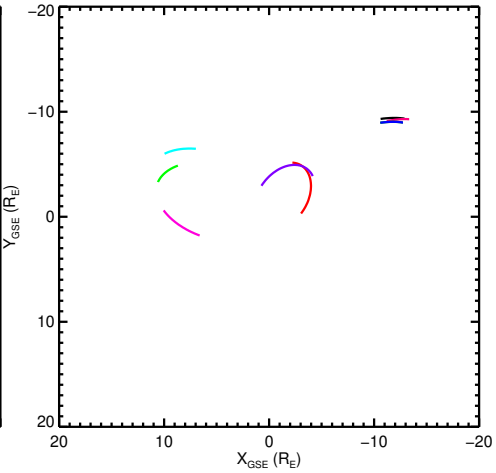


(c) 0925UT to 1340UT
ade bks cve cvw fhw pgr sas

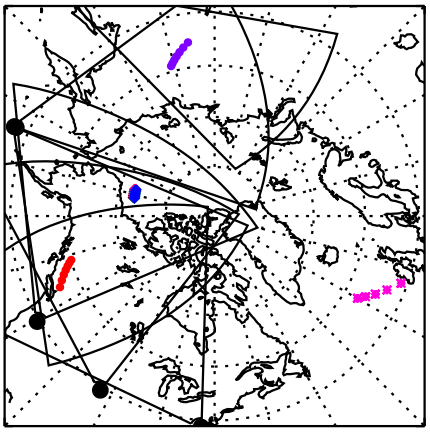


bpk dce sps

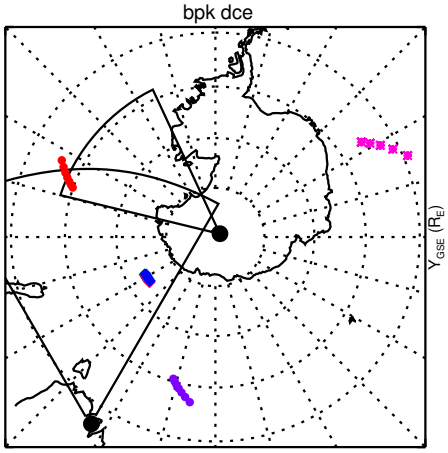


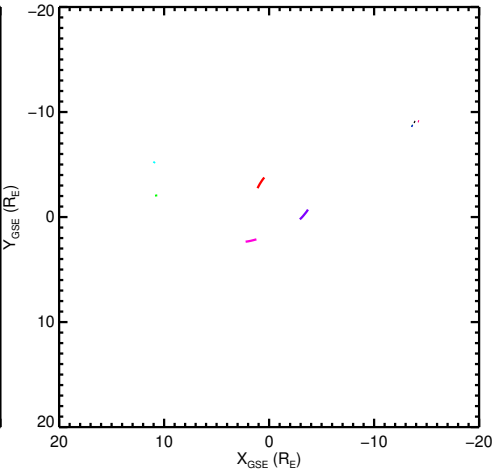



(d) 1545UT to 1615UT
ade adw bks cvw fhw hkw

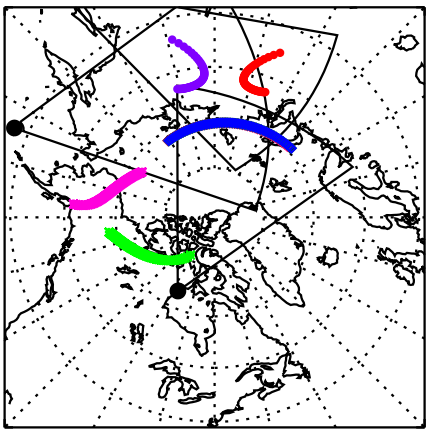


bpk dce

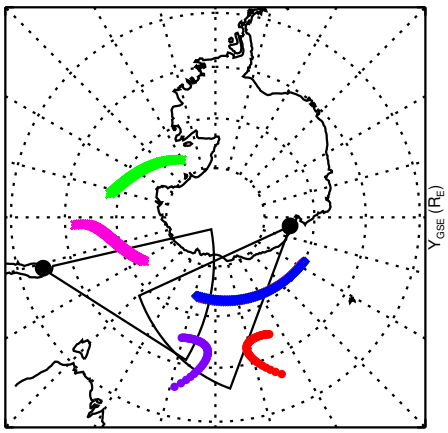


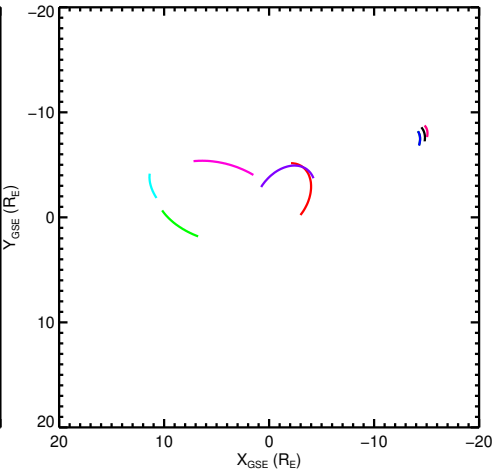



(e) 1820UT to 2245UT
adw hkw rkn



unw zho

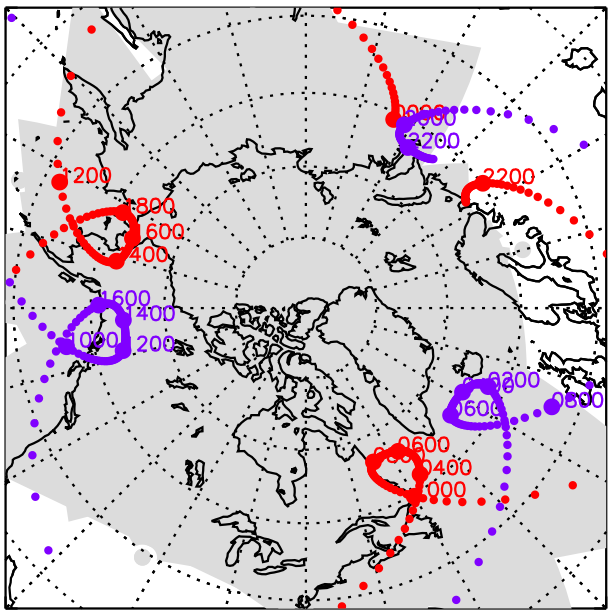


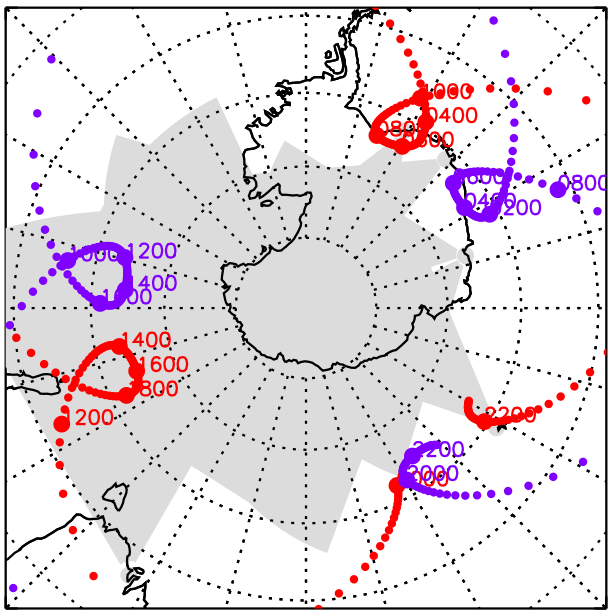


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

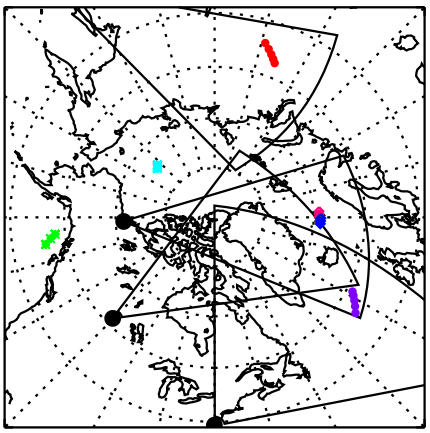
03–Aug–2016

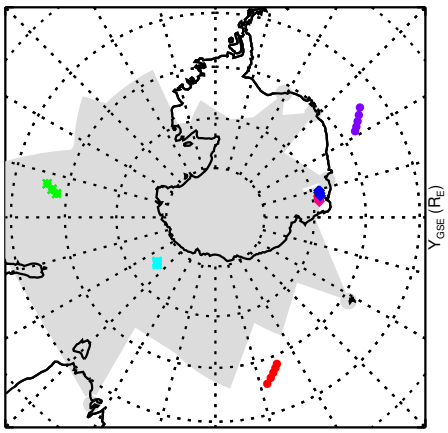
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

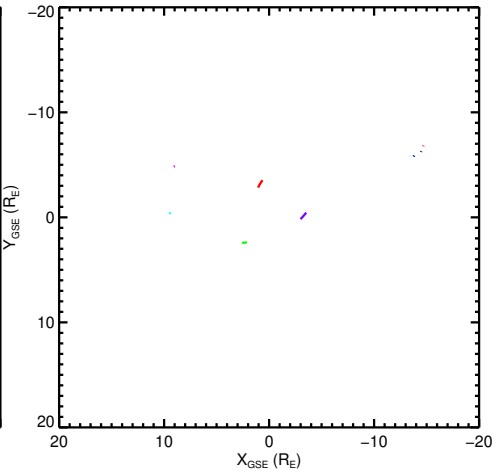




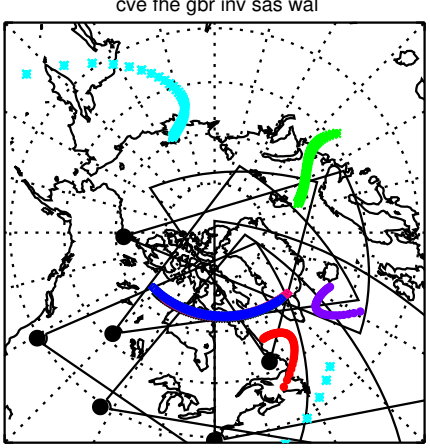
(a) 0050UT to 0110UT
hkw inv sas wal








(b) 0315UT to 0745UT
cve fhe gbr inv sas wal



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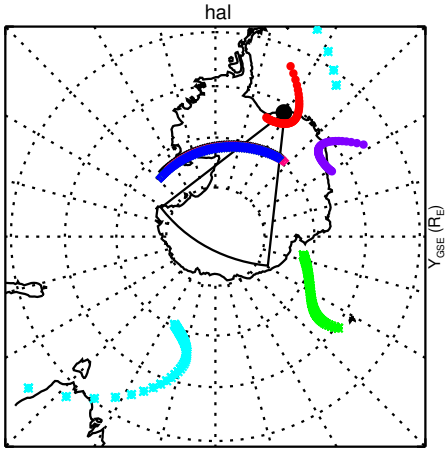
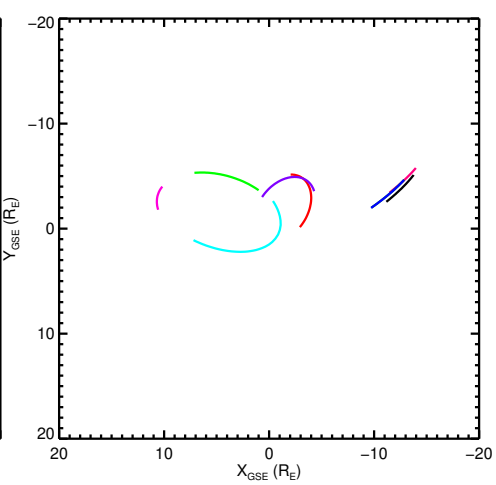
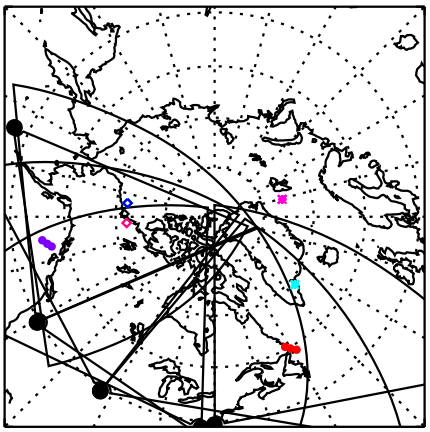
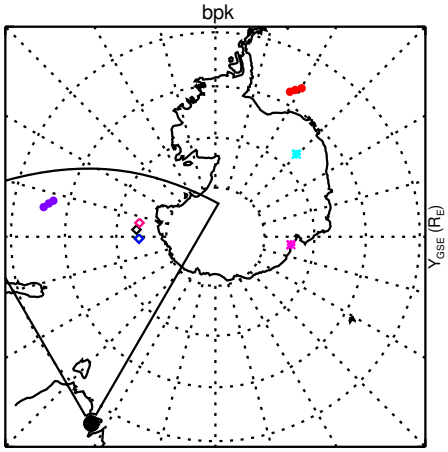


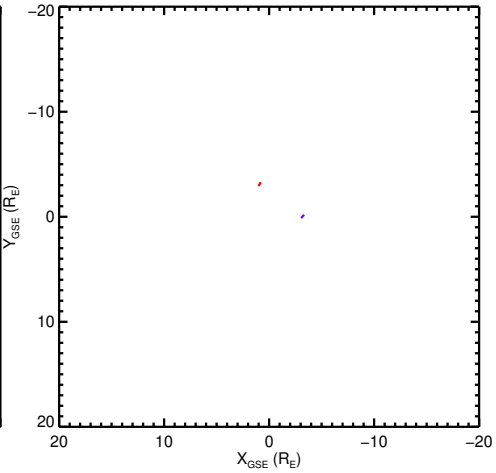


(c) 0955UT to 1005UT
ade bks cve cvw fhe fhw wal

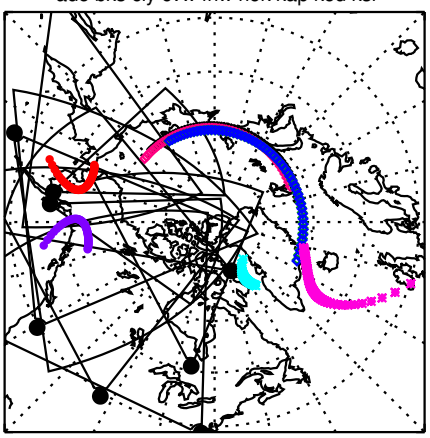


bpk

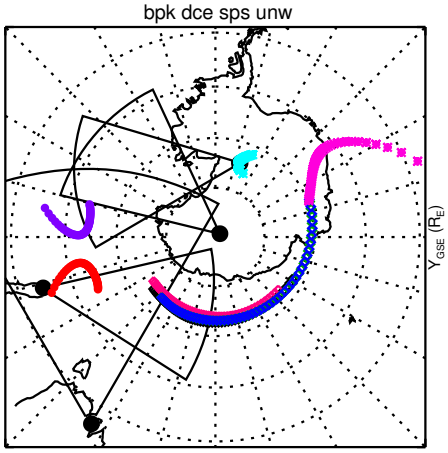


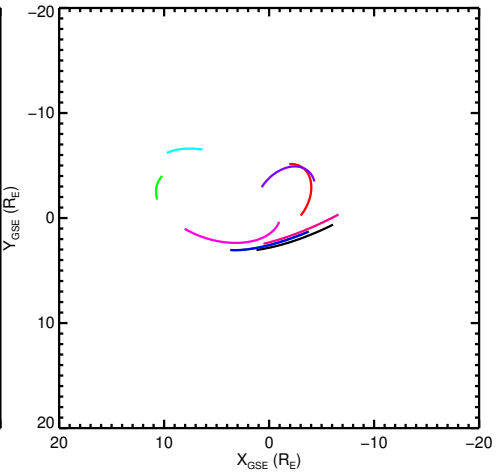



(d) 1215UT to 1650UT
ade bks cly cvw fhw hok kap kod ksr

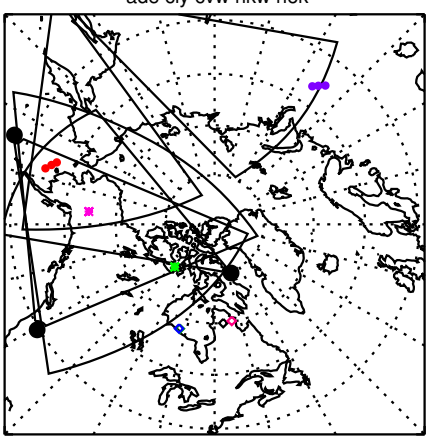


bpk dce sps unw

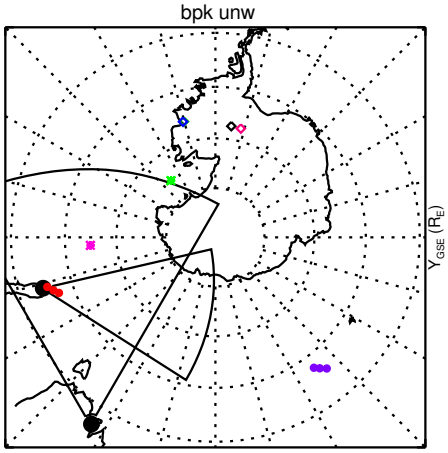


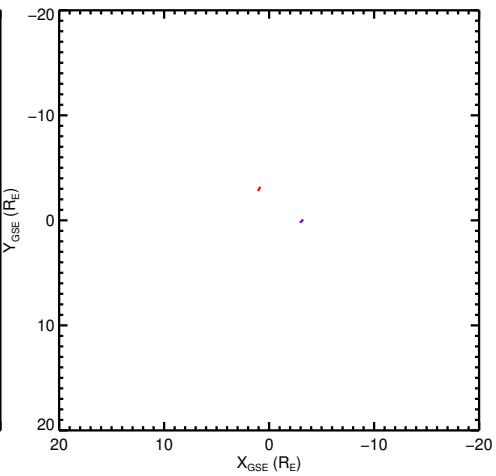



(e) 1855UT to 1905UT
ade cly cvw hkw hok

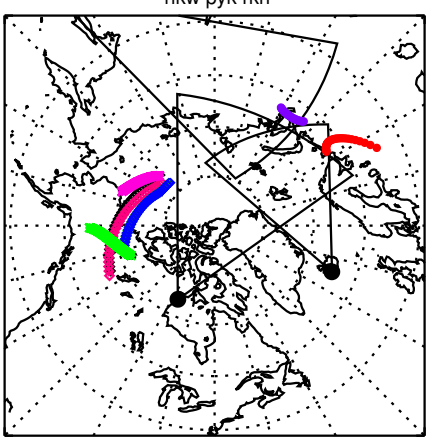


bpk unw

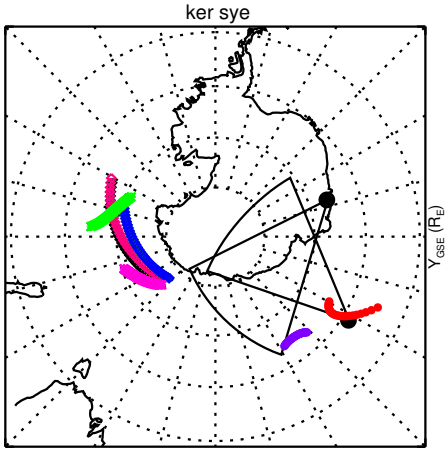


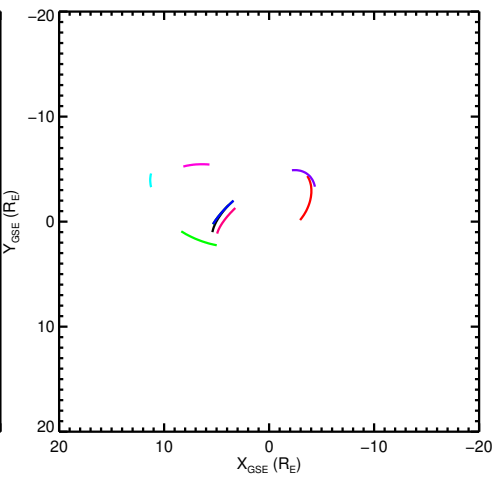



(f) 2110UT to 2355UT
hkw pyk rkn



ker sye

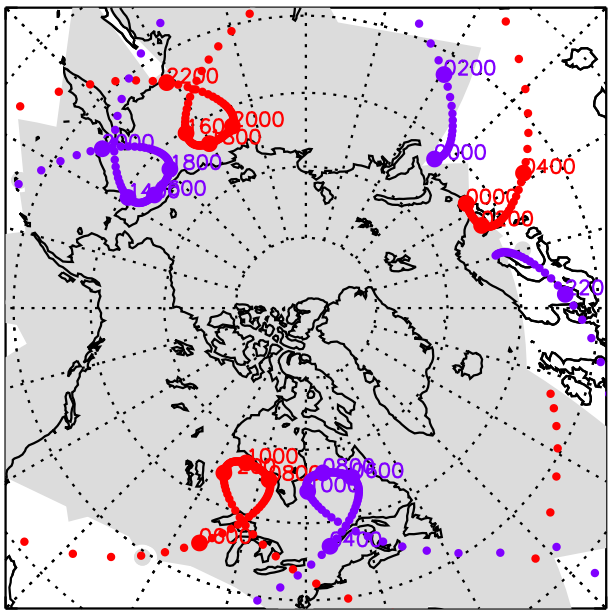


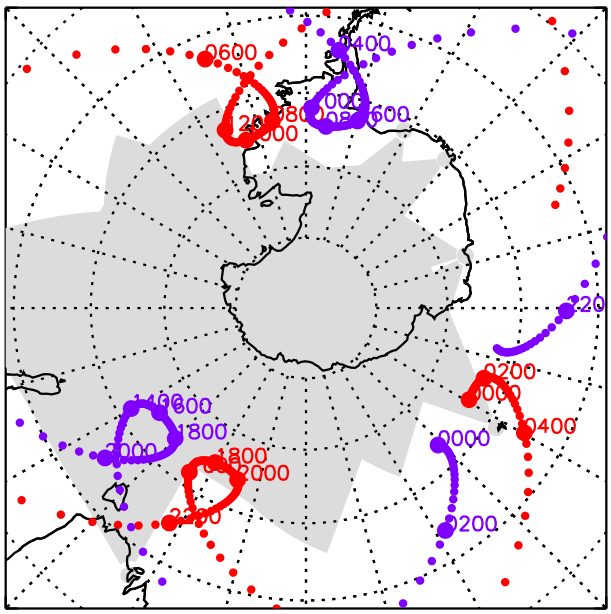


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

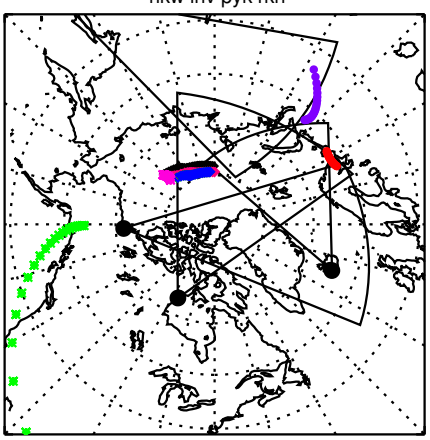
04–Aug–2016

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

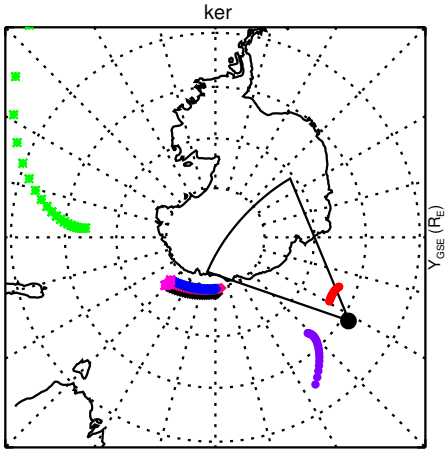


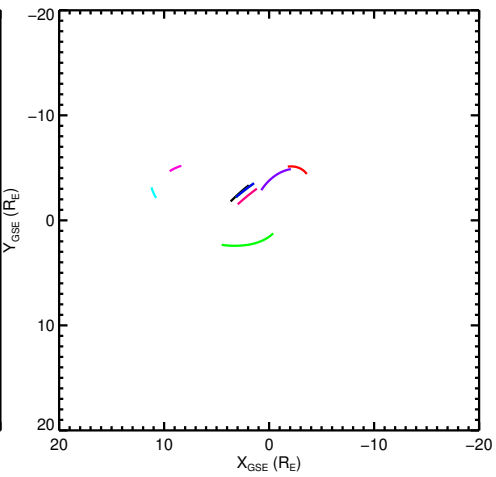


(a) 0000UT to 0155UT
hkw inv pyk rkn

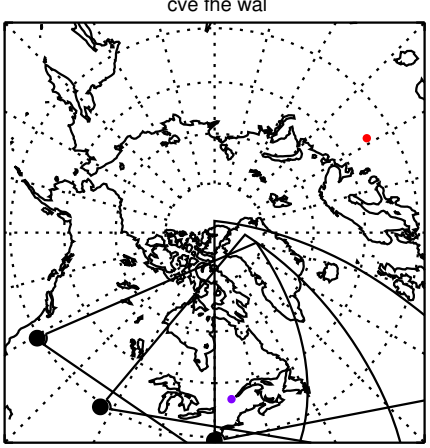


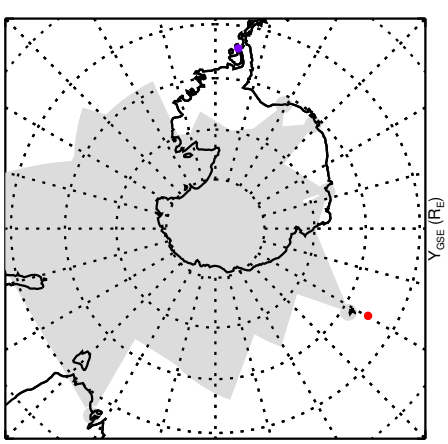
ker

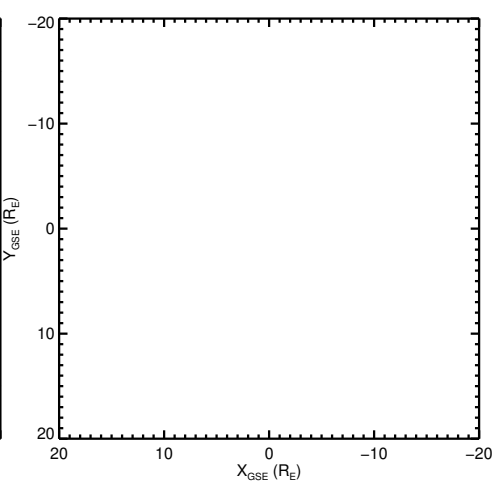




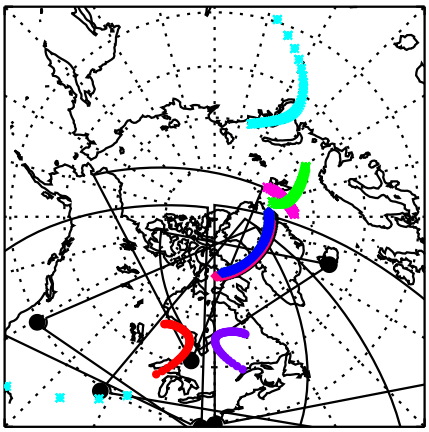

(b) 0400UT to 0400UT
cve fhe wal



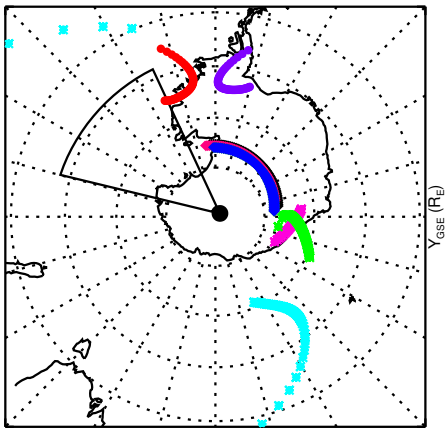


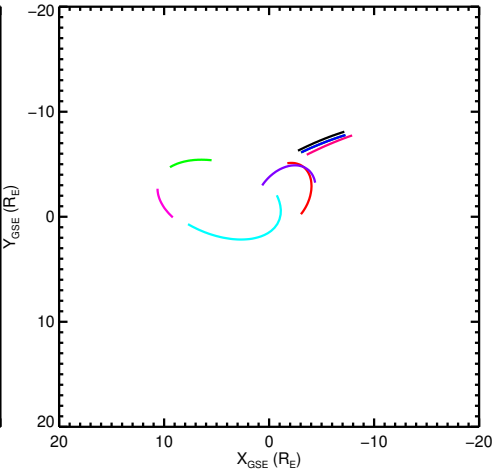


(c) 0610UT to 1055UT
bks cve fhe kap sto wal

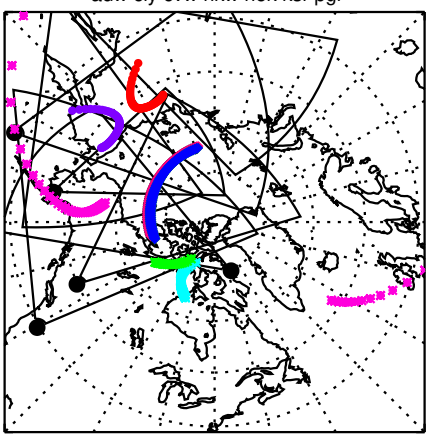


dce

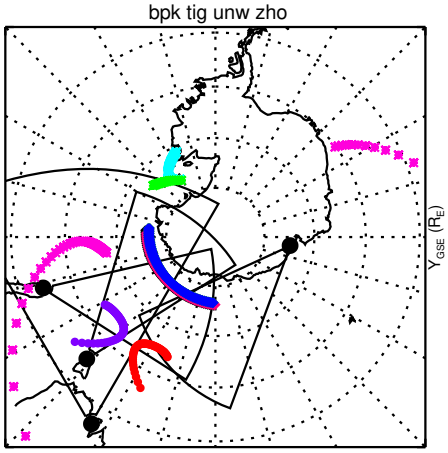


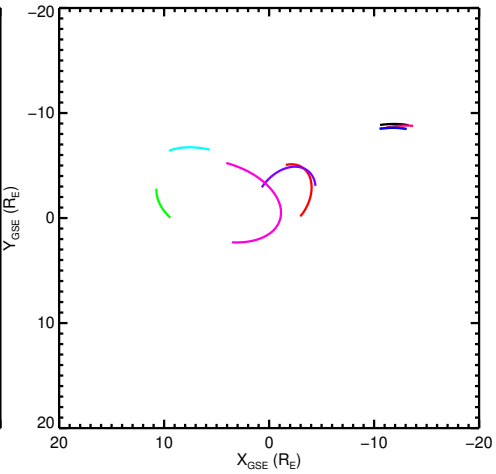



(d) 1505UT to 2000UT
adw cly cvw hkw hok ksr pgr



bpk tig unw zho

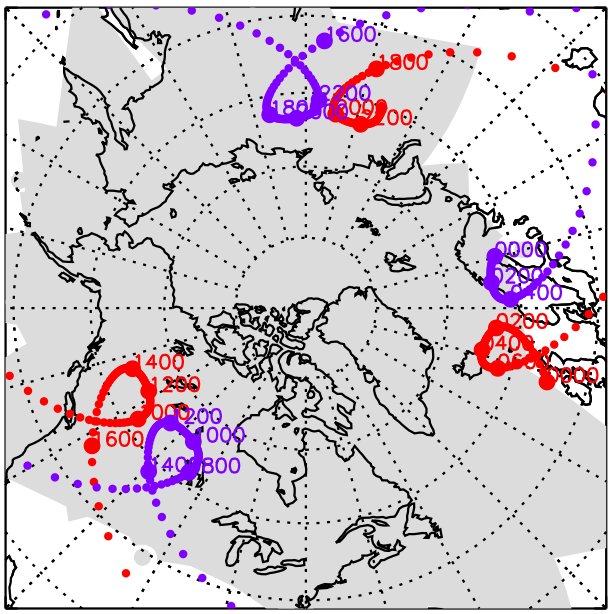


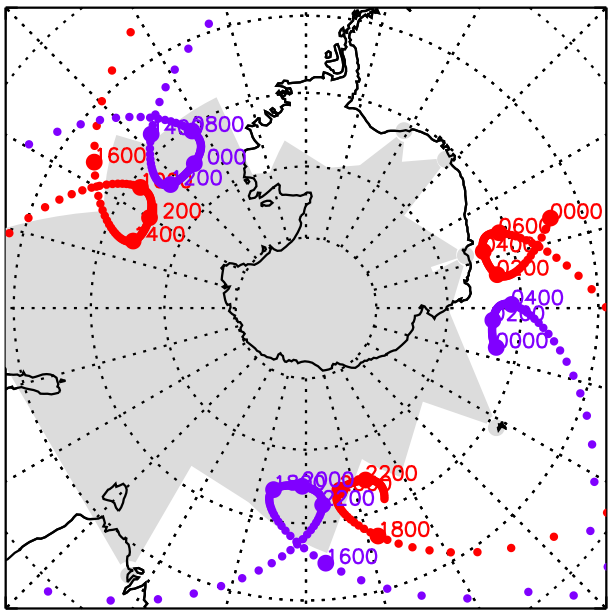


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

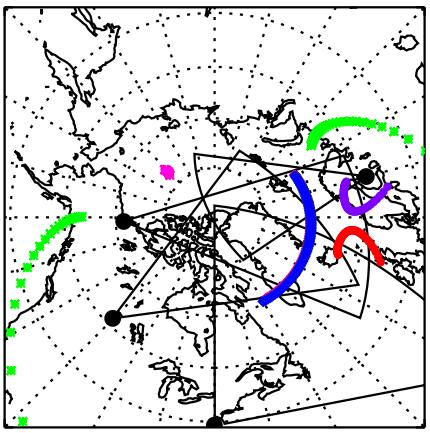
05–Aug–2016

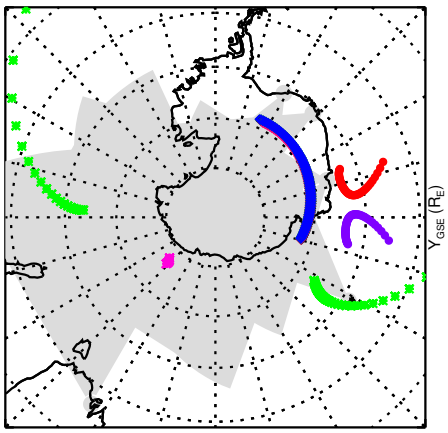
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

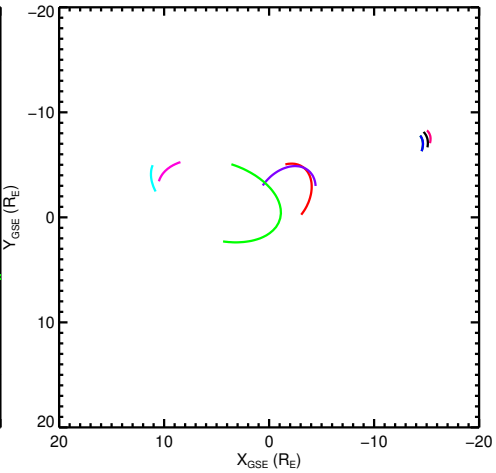




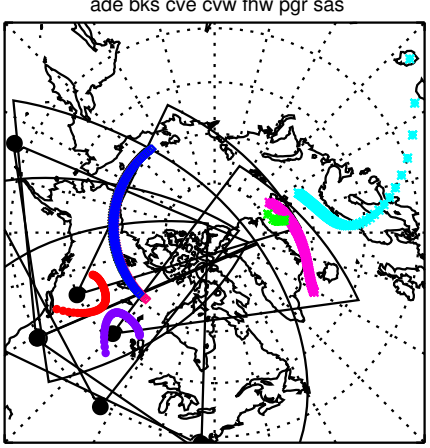
(a) 0005UT to 0500UT
han inv sas wal



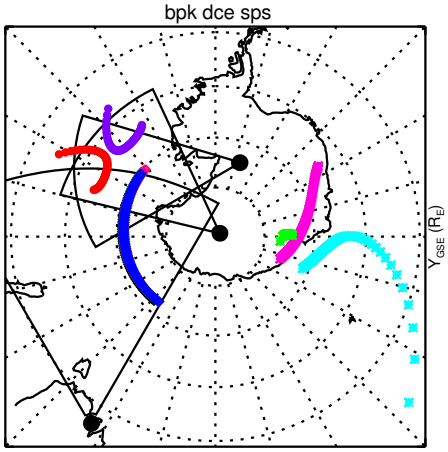


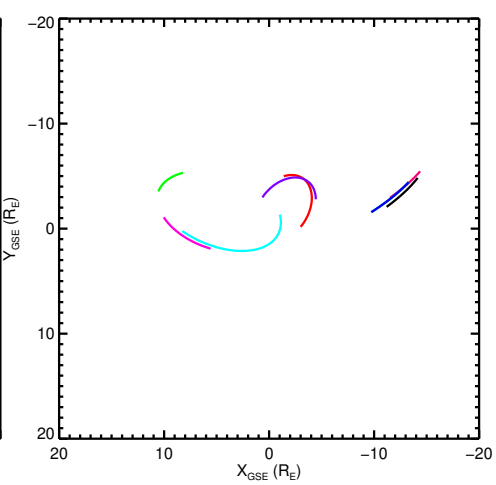


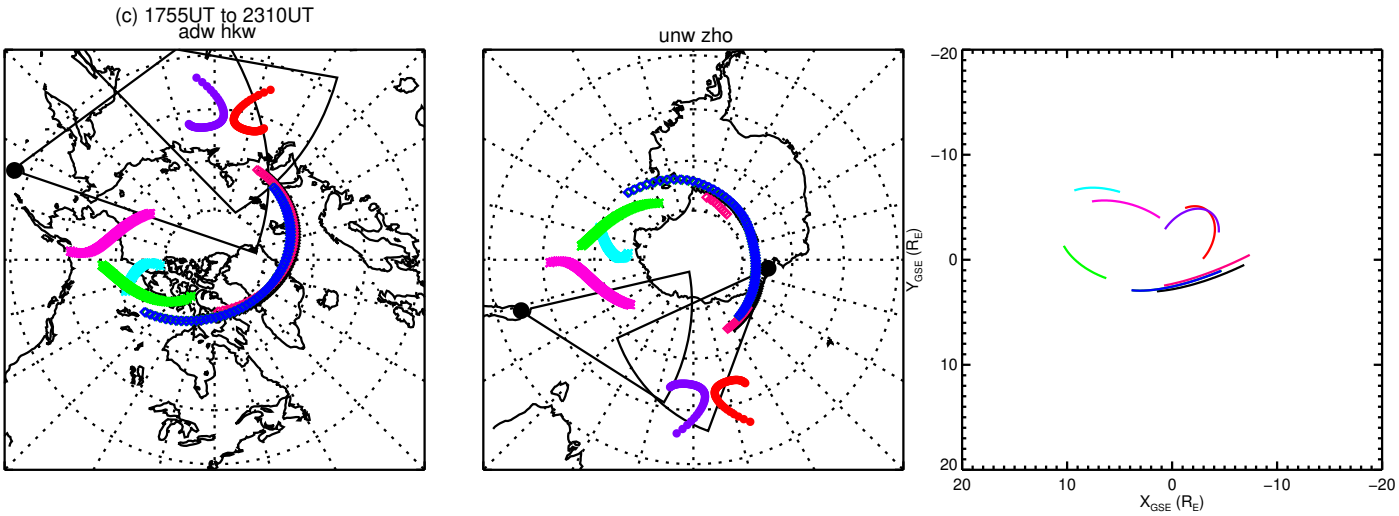

(b) 0900UT to 1405UT
ade bks cve cvw fhw pgr sas



bpk dce sps



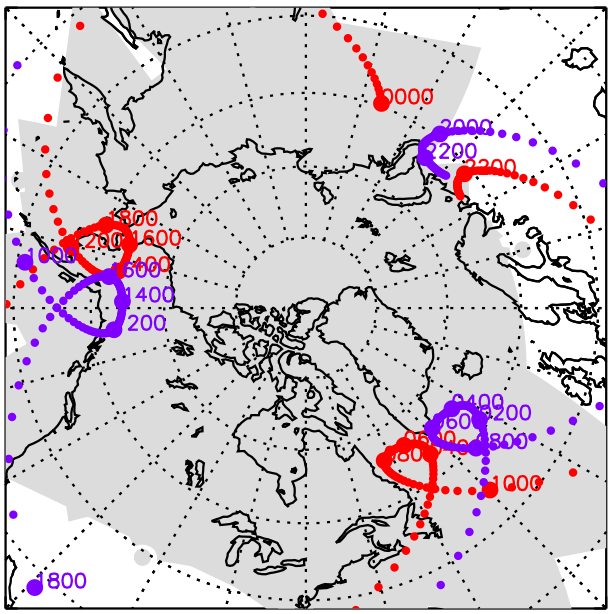


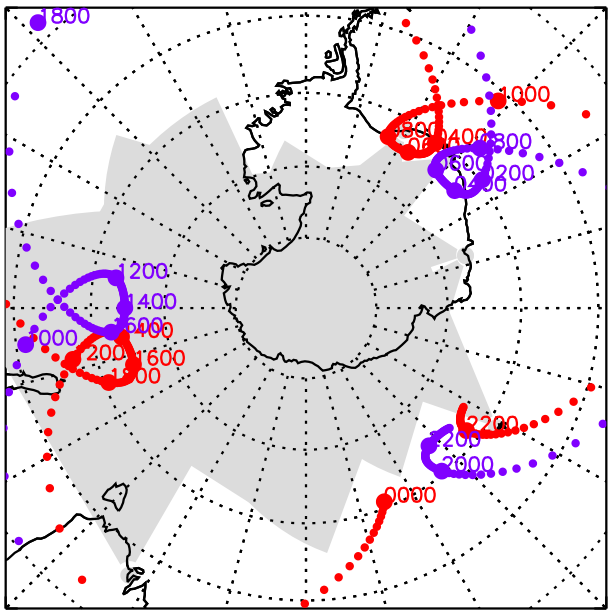

(c) 1755UT to 2310UT
adw hkw
unw zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

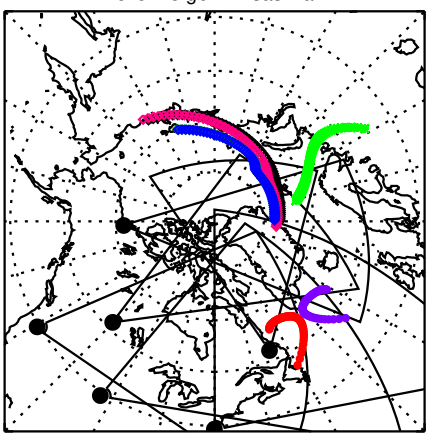
06–Aug–2016

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

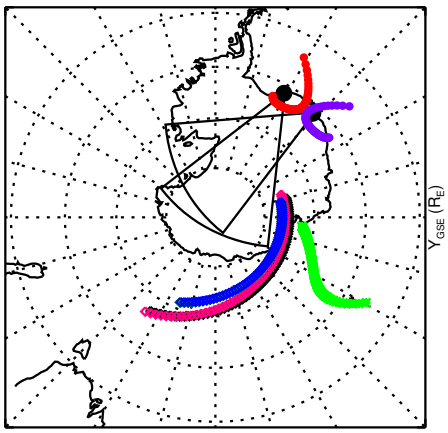


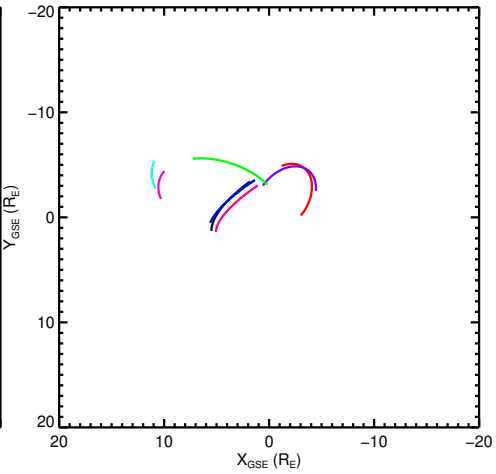


(a) 0255UT to 0810UT
cve fhe gbr inv sas wal

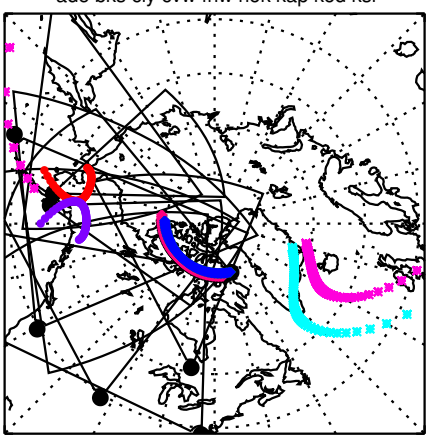


hal san

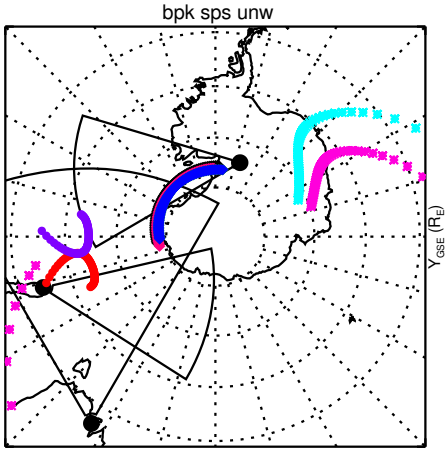


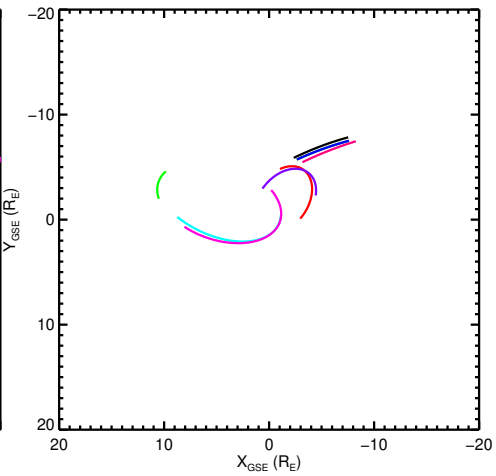


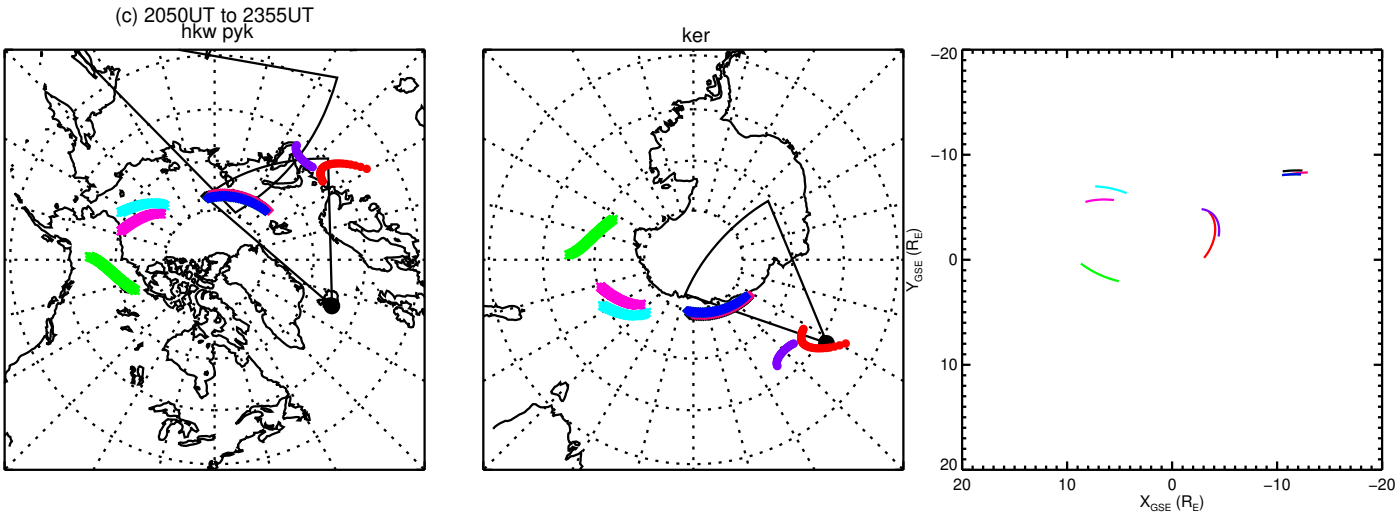

(b) 1150UT to 1715UT
ade bks cly cvw fhw hok kap kod ksr



bpk sps unw



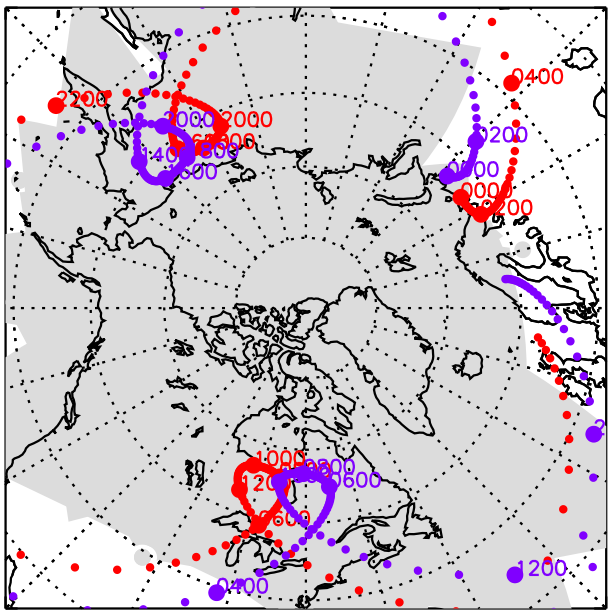


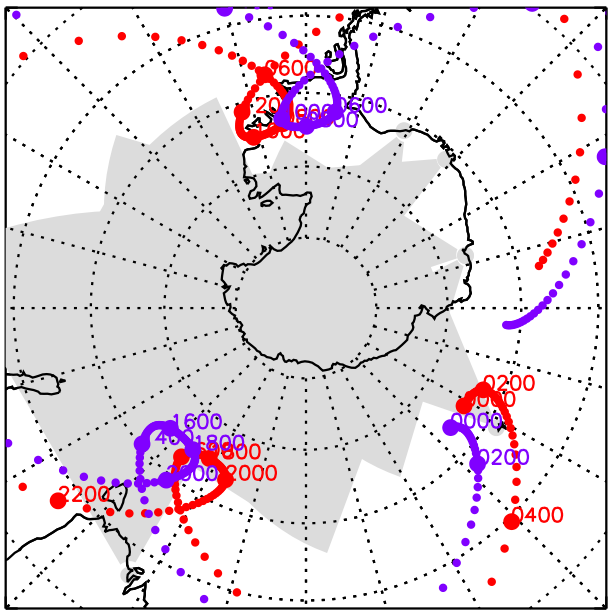

(c) 2050UT to 2355UT
hkw pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
$Y_{GSE}$ ($R_E$)
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

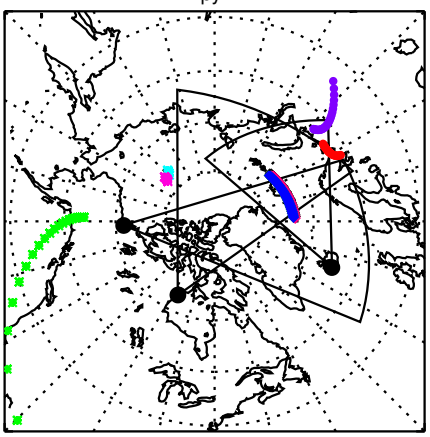
07–Aug–2016

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

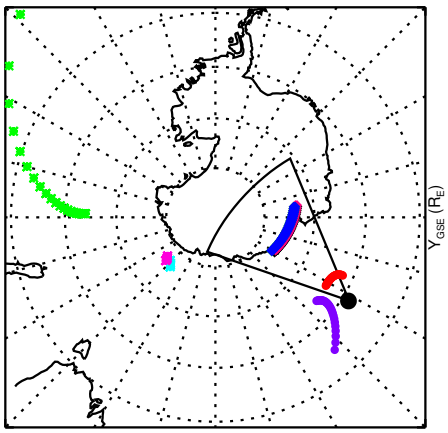


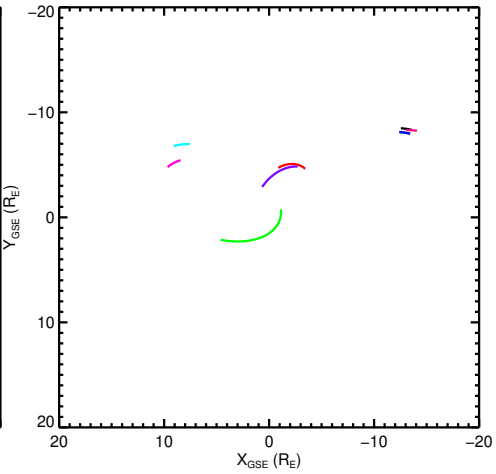




(a) 0000UT to 0220UT
inv pyk rkn

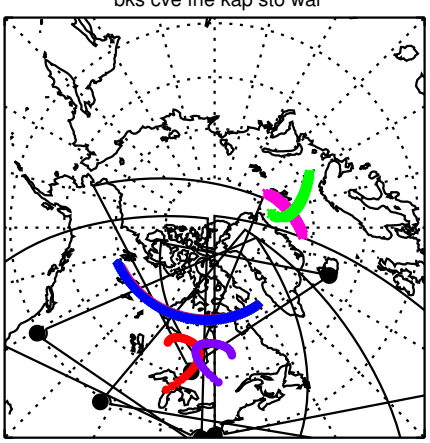


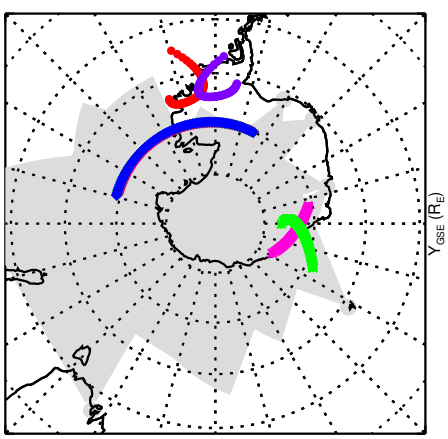
ker

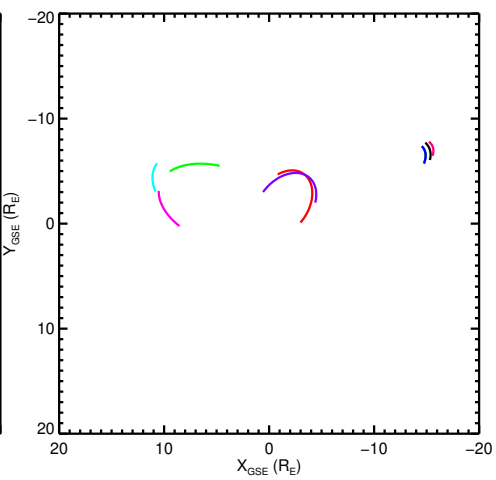





(b) 0545UT to 1120UT
bks cve fhe kap sto wal

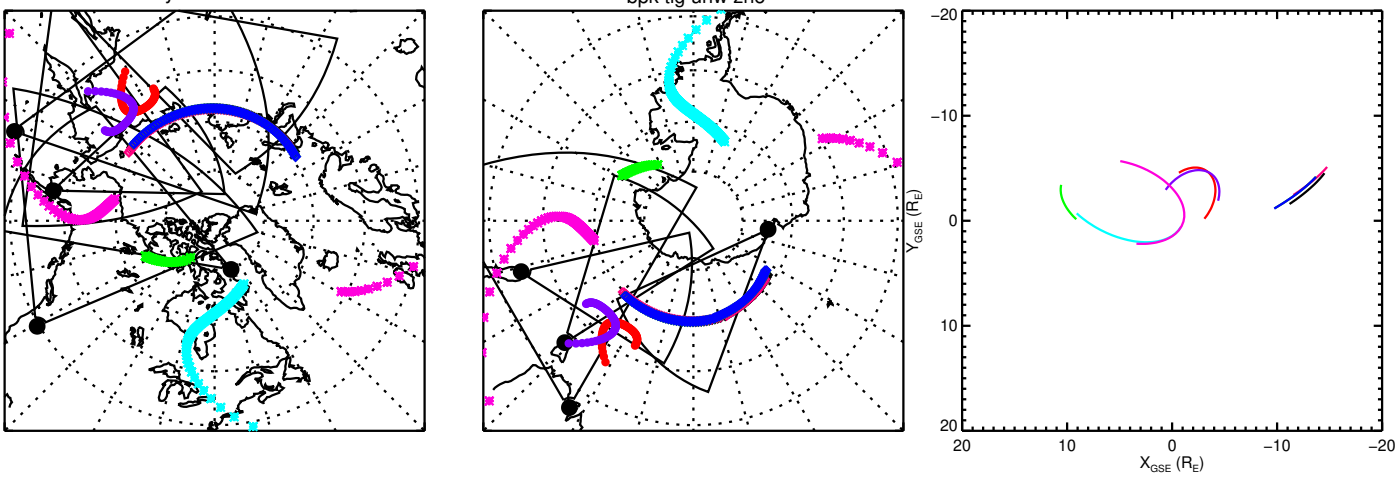




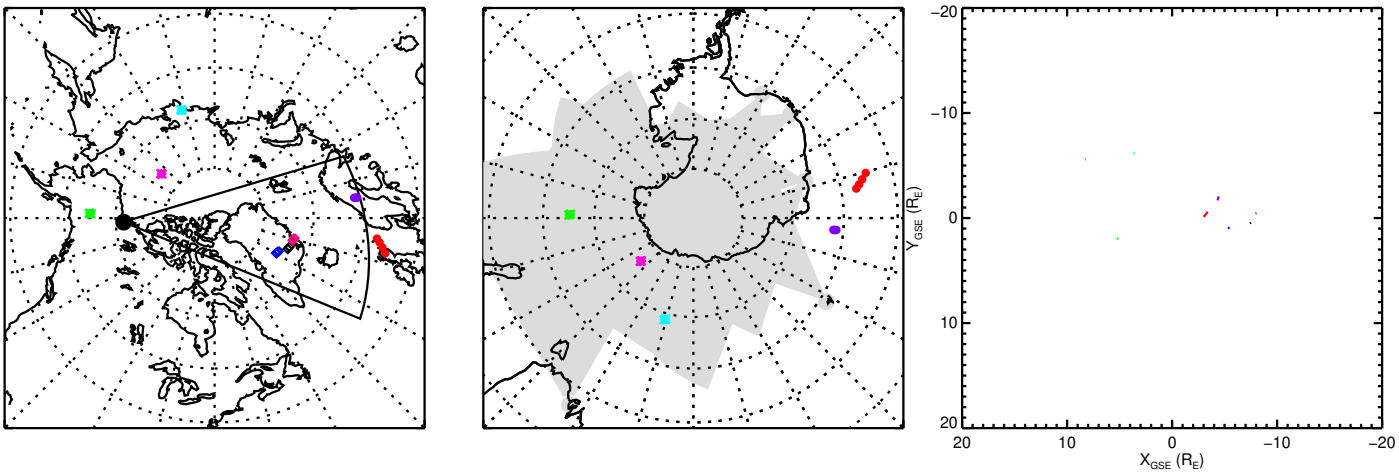


(c) 1445UT to 2025UT
adw cly cvw hkw hok ksr

bpk tig unw zho



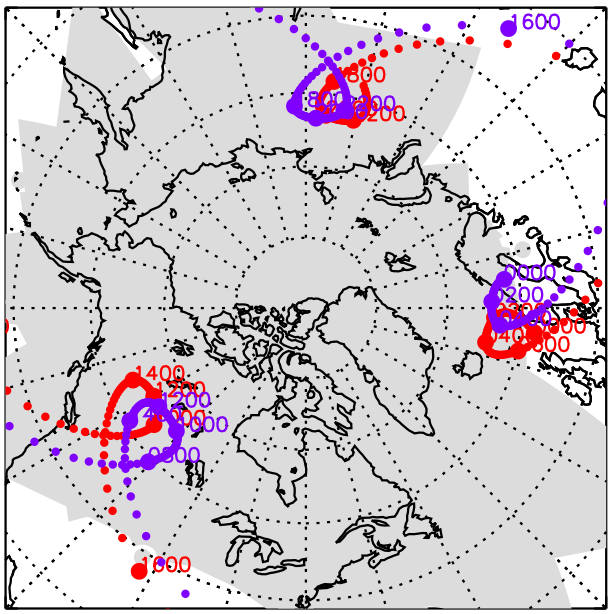

(d) 2340UT to 2355UT
inv

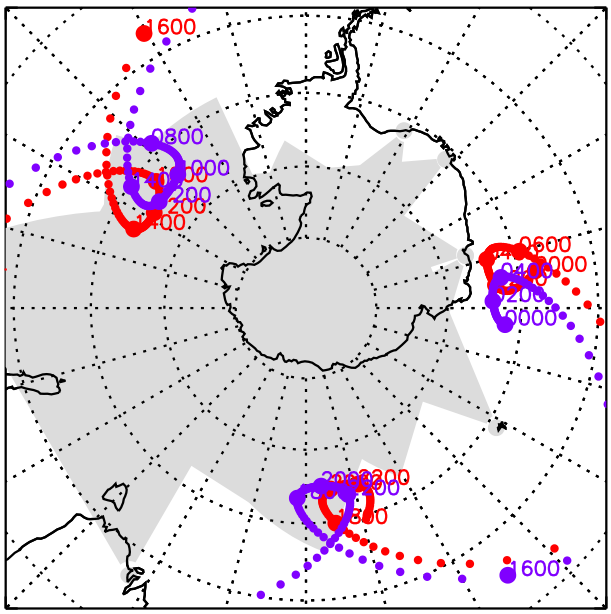


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

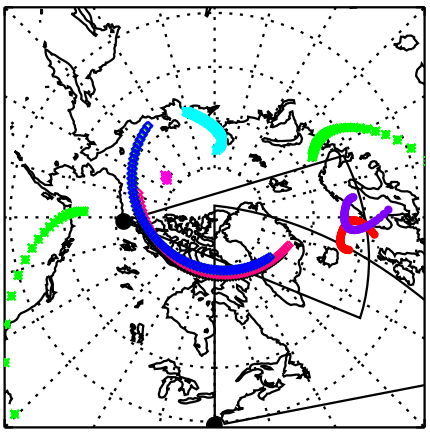
08–Aug–2016

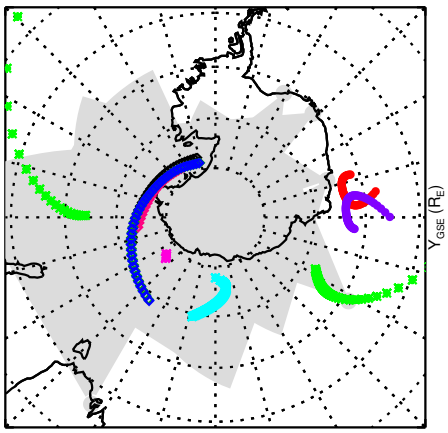
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

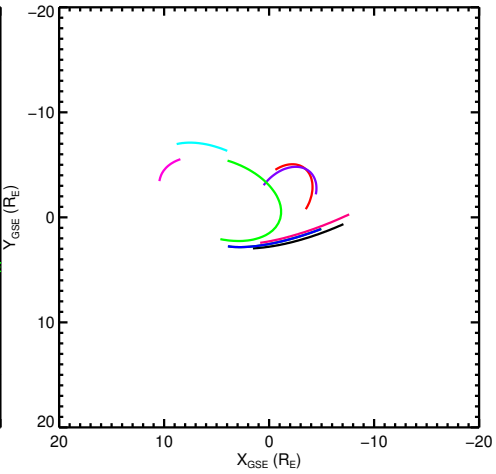




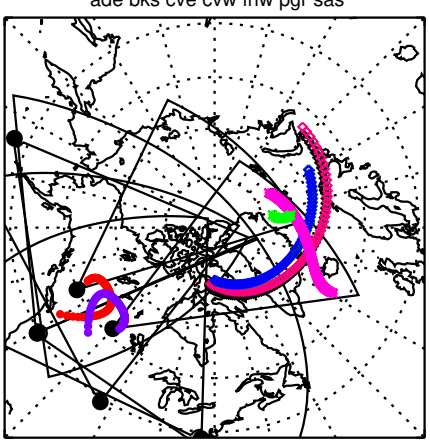
(a) 0000UT to 0525UT
inv wal



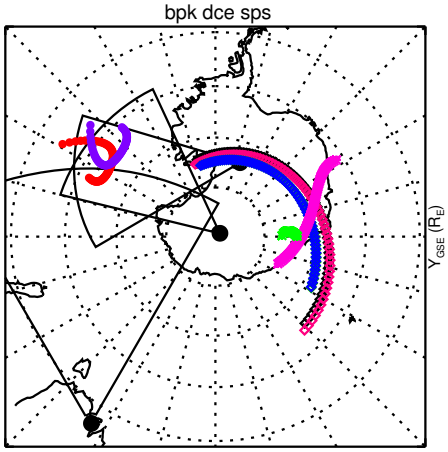


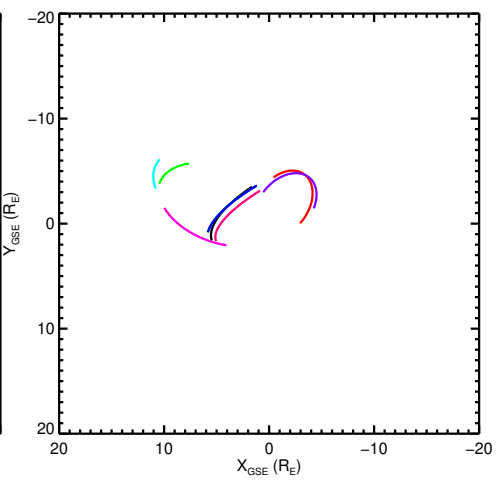


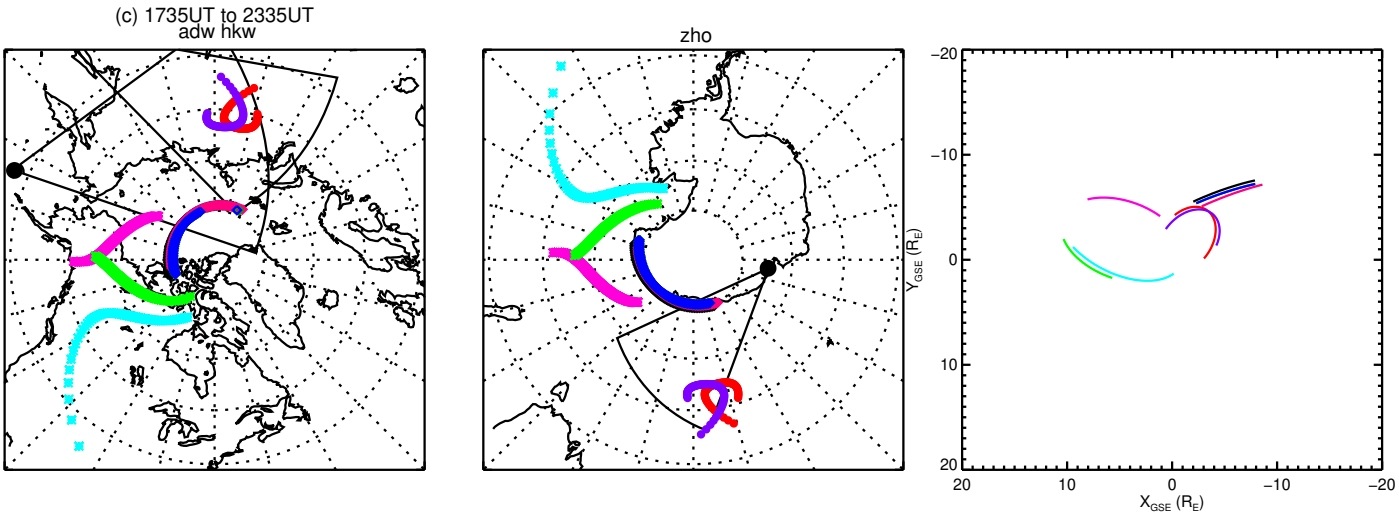

(b) 0835UT to 1430UT
ade bks cve cvw fhw pgr sas



bpk dce sps



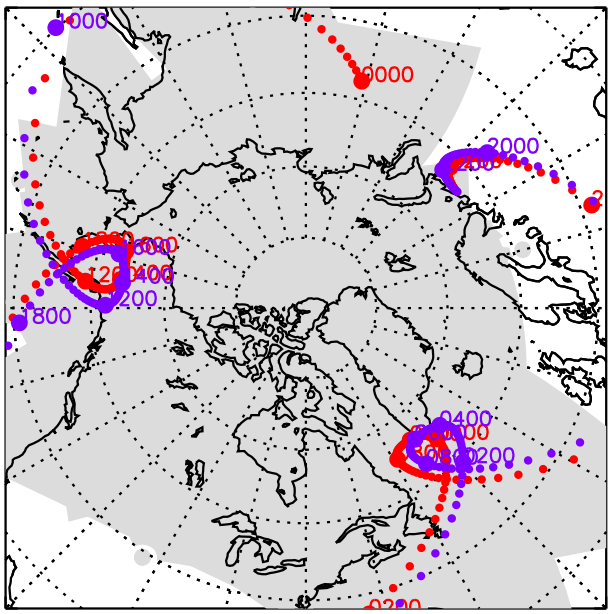


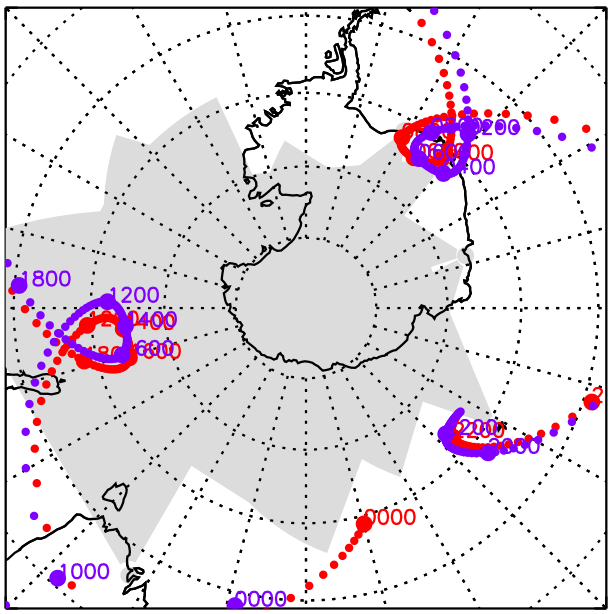

(c) 1735UT to 2335UT
adw hkw
zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

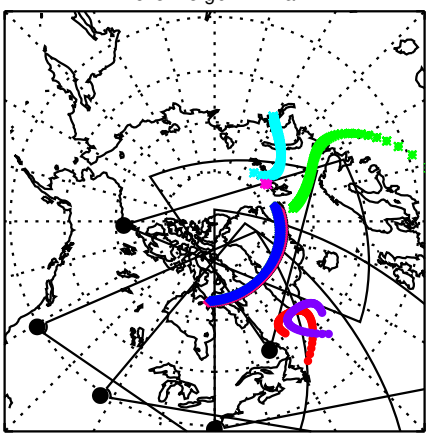
09–Aug–2016

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

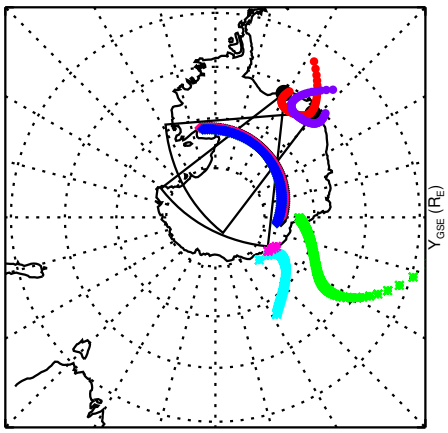


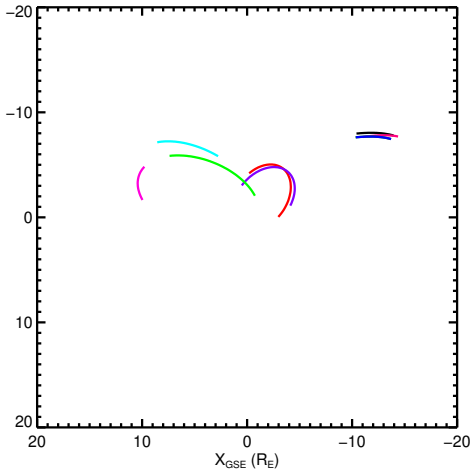




(a) 0230UT to 0835UT
cve fhe gbr inv wal

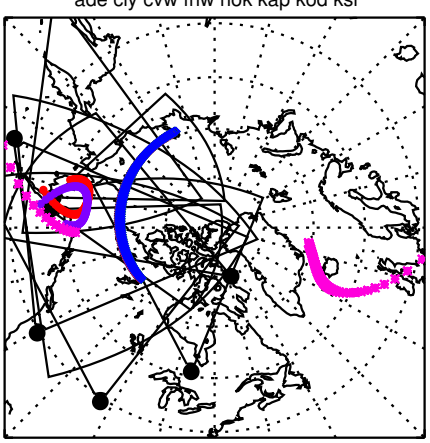


hal san

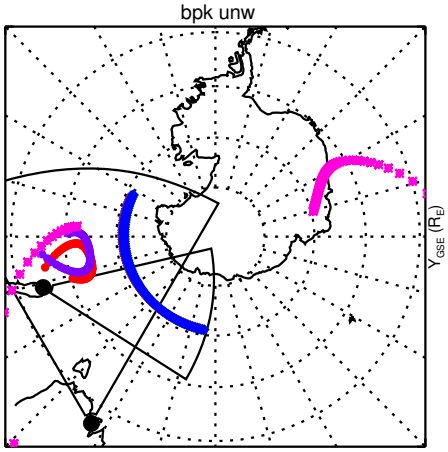


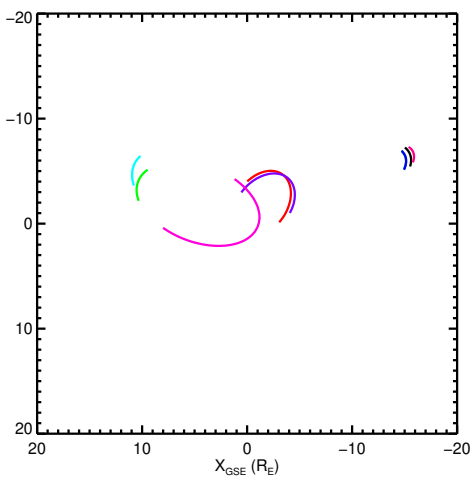


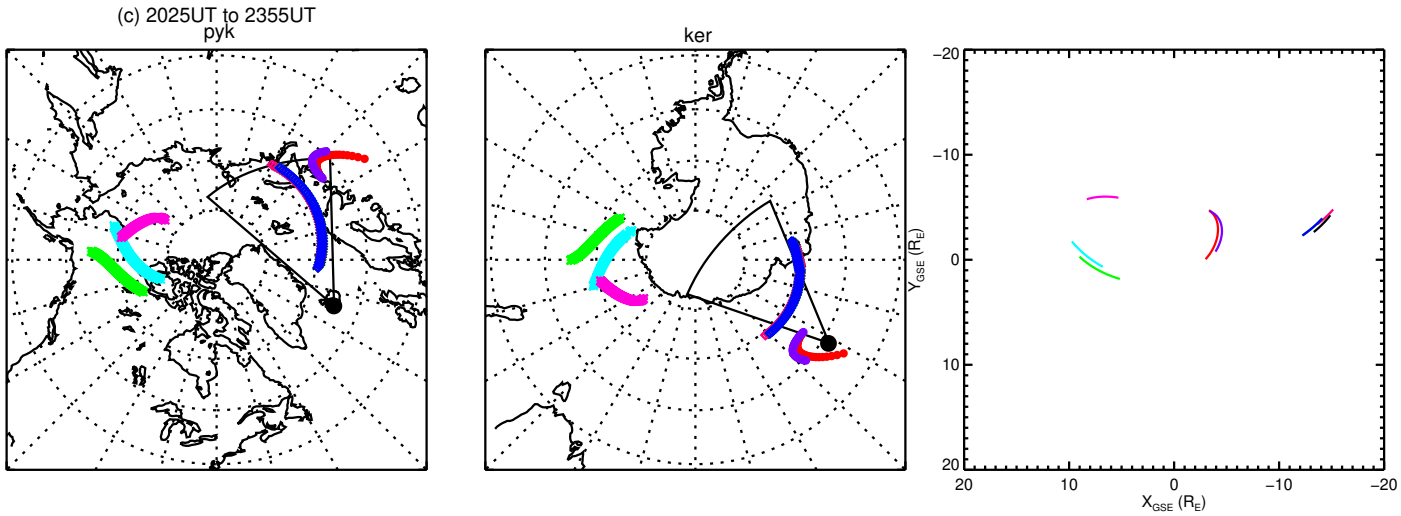

(b) 1130UT to 1740UT
ade cly cvw fhw hok kap kod ksr



bpk unw



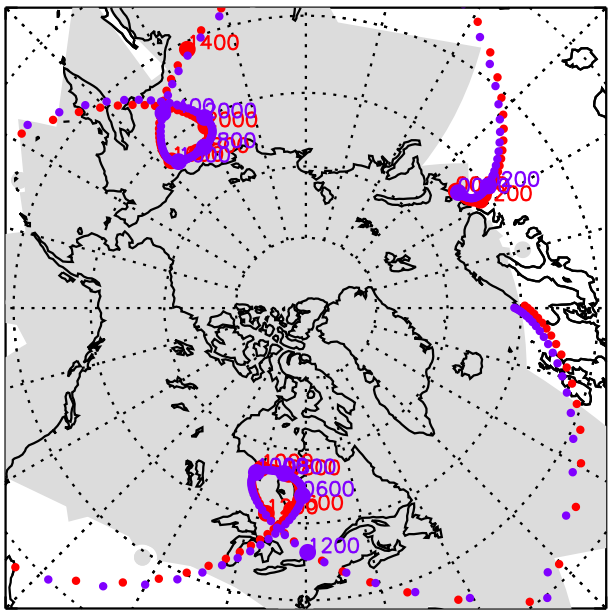


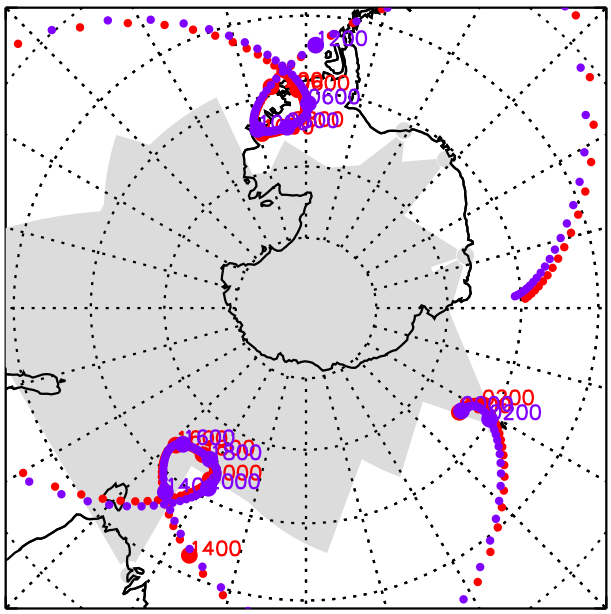

(c) 2025UT to 2355UT
pyk
ker
20
10
0
−10
−20
$Y_{GSE}$ ($R_E$)
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

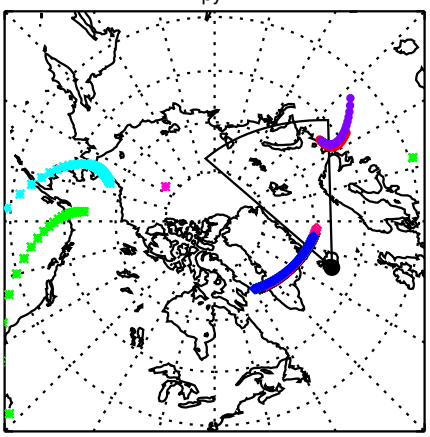
10–Aug–2016

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

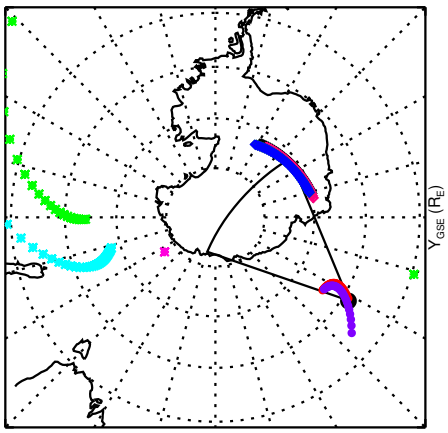


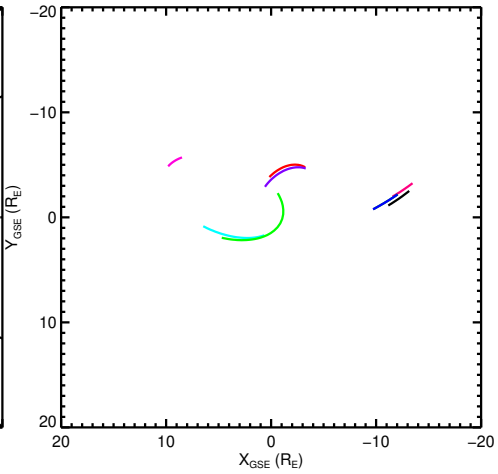


(a) 0000UT to 0245UT
pyk

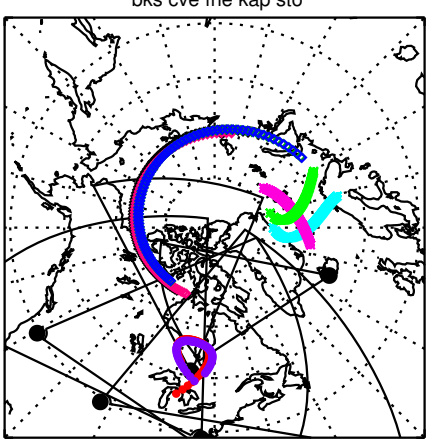


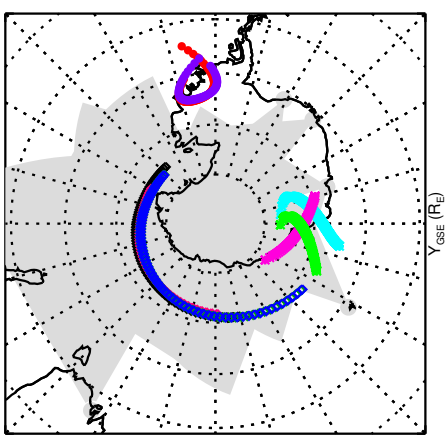
ker

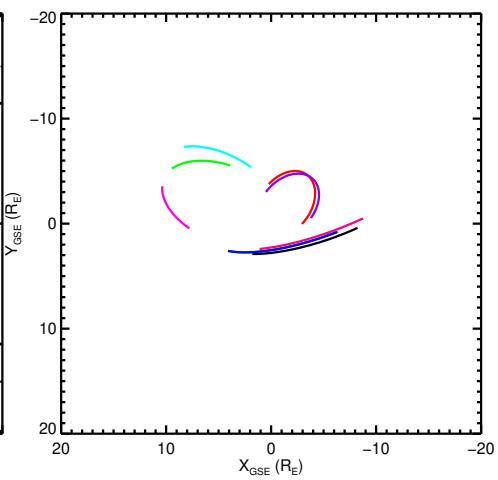




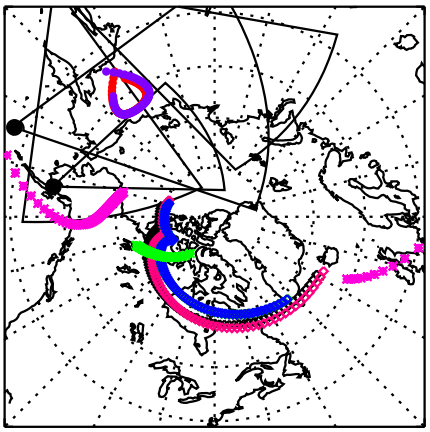

(b) 0520UT to 1145UT
bks cve fhe kap sto



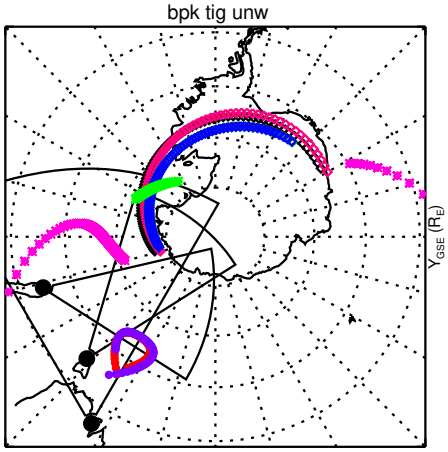


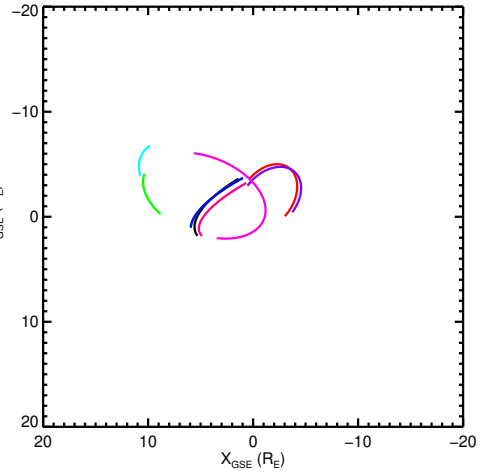


(c) 1420UT to 2050UT
adw hkw hok ksr

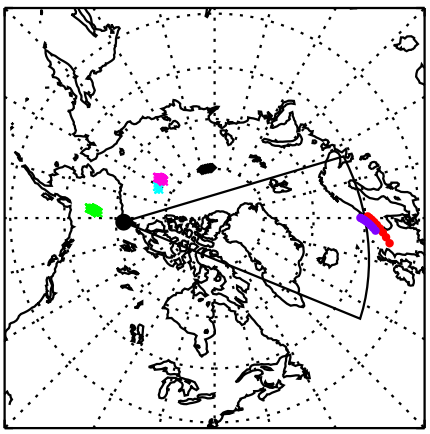


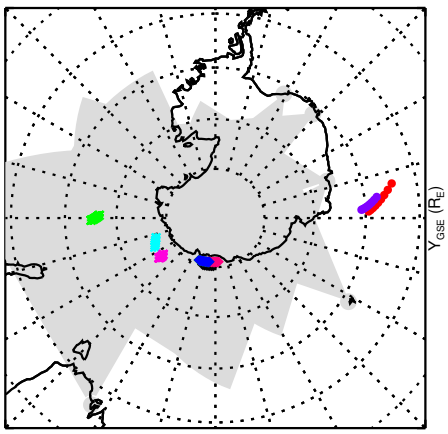
bpk tig unw

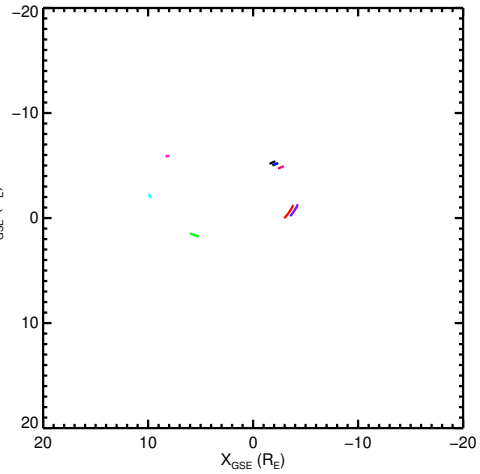





(d) 2315UT to 2355UT
inv



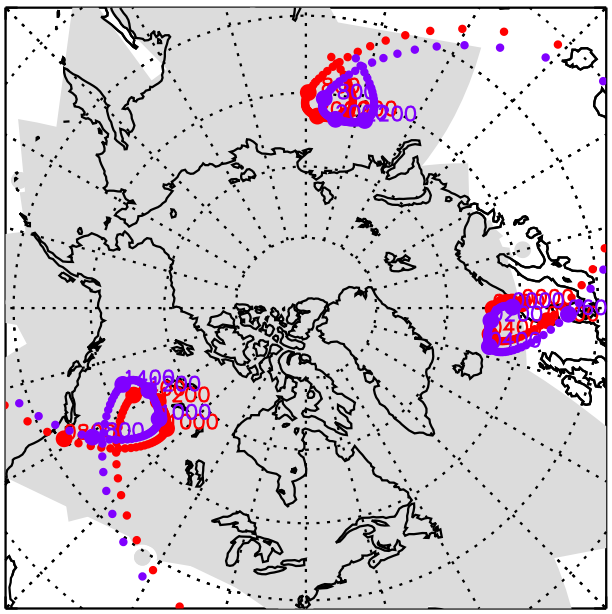


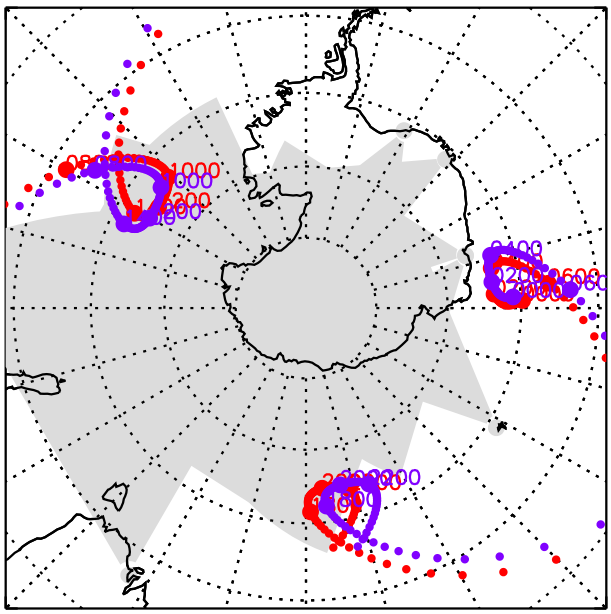


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

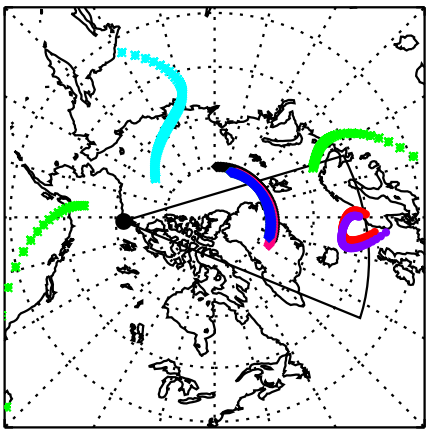
11−Aug−2016

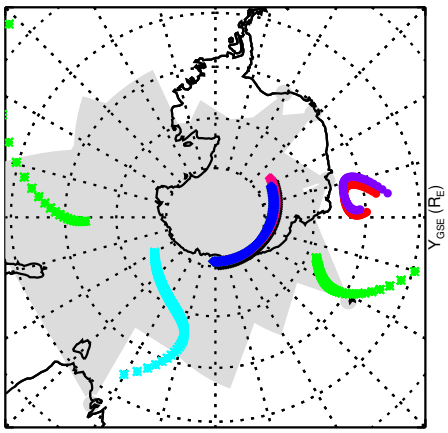
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

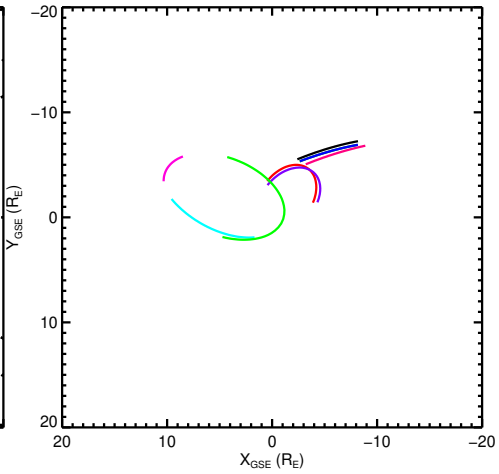




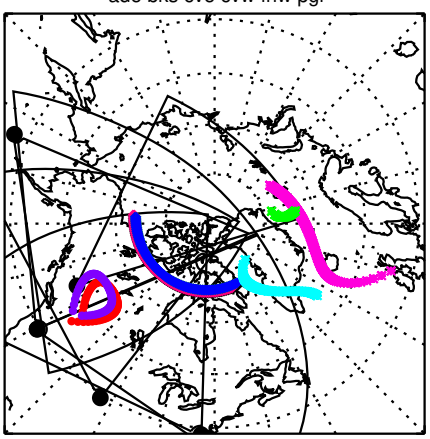
(a) 0000UT to 0550UT
inv



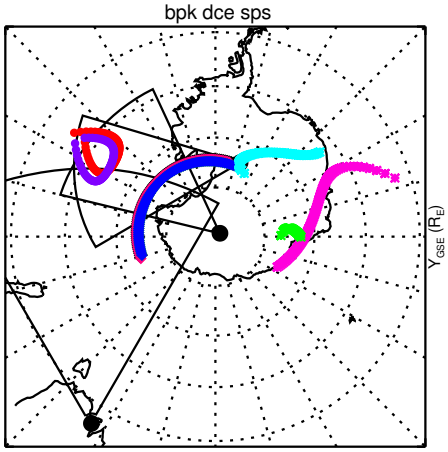


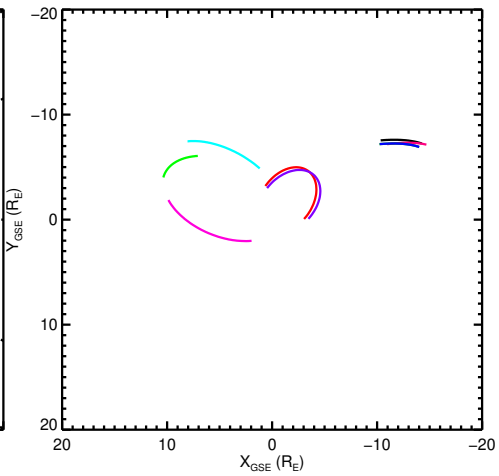


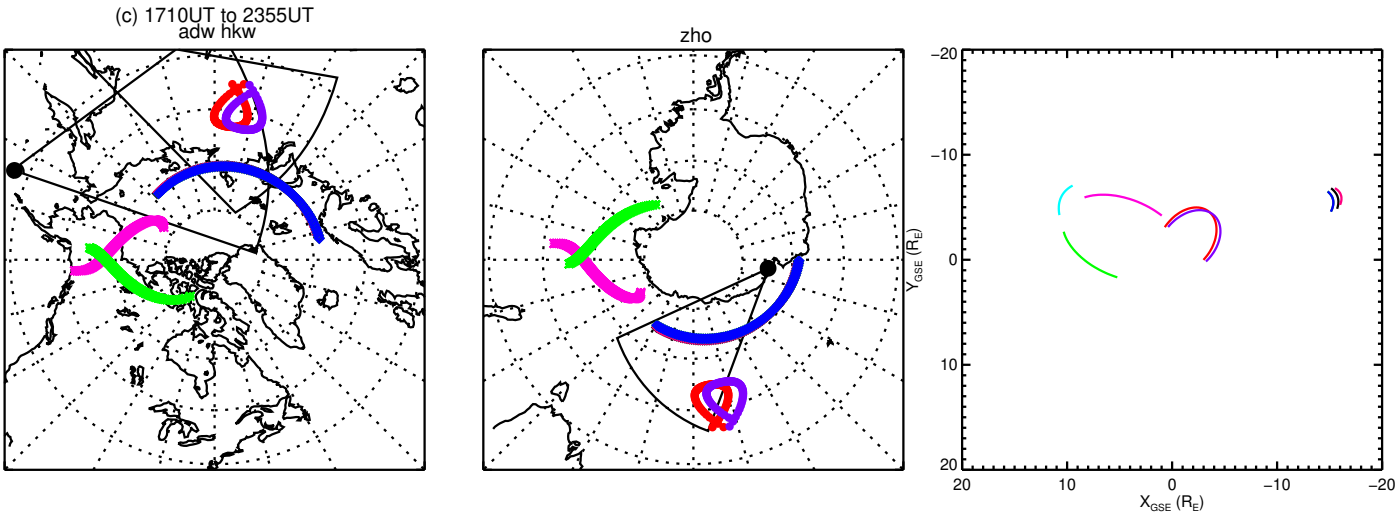

(b) 0815UT to 1455UT
ade bks cve cvw fhw pgr



bpk dce sps



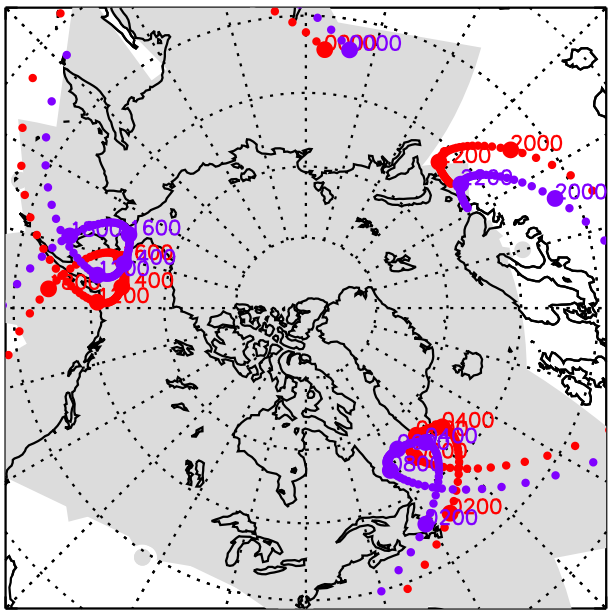


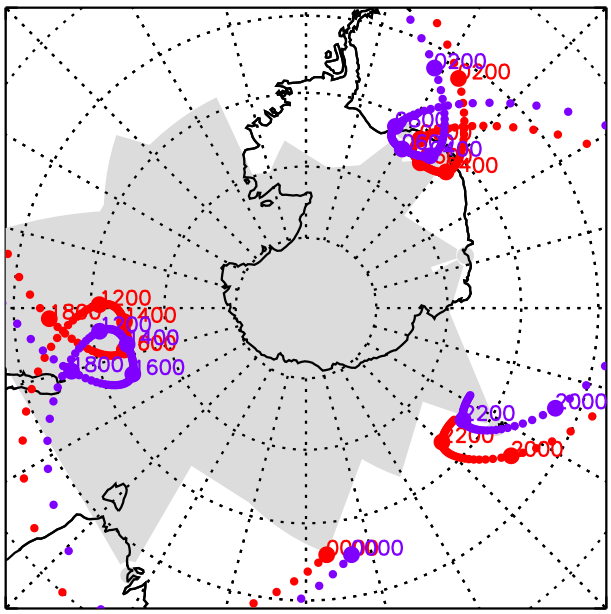

(c) 1710UT to 2355UT
adw hkw
zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

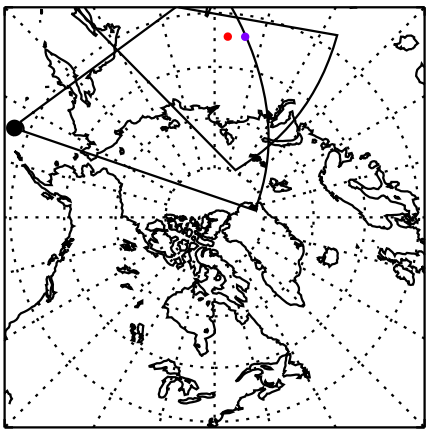
12–Aug–2016

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

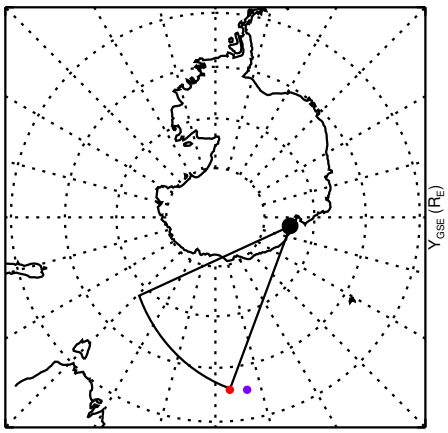


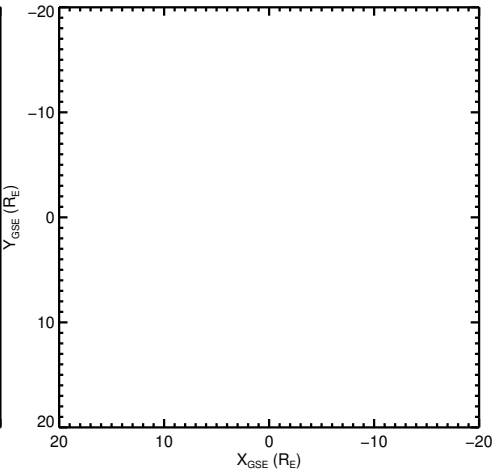


(a) 0000UT to 0000UT
adw hkw

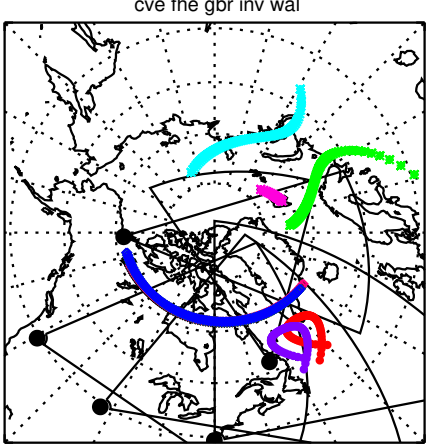


zho

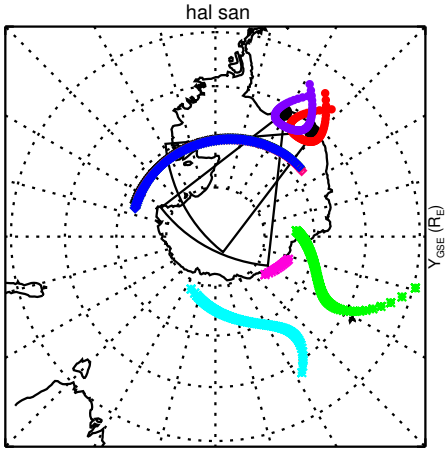


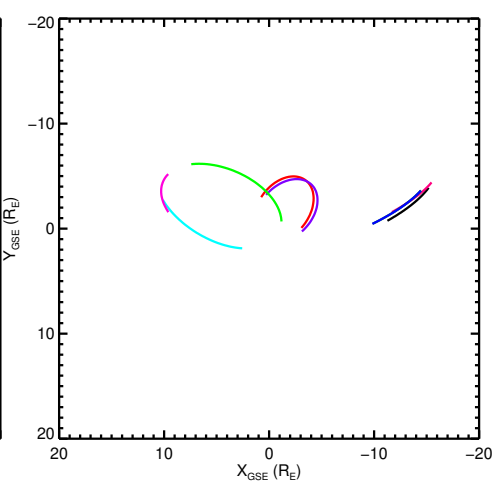



(b) 0210UT to 0855UT
cve fhe gbr inv wal

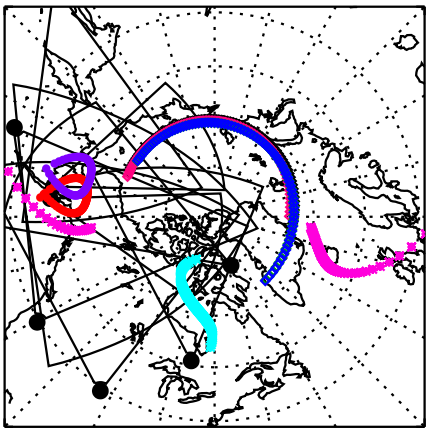


hal san

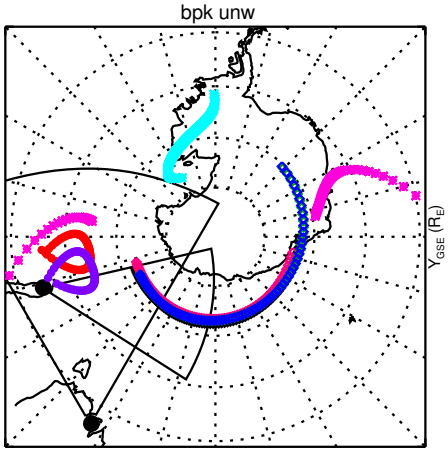


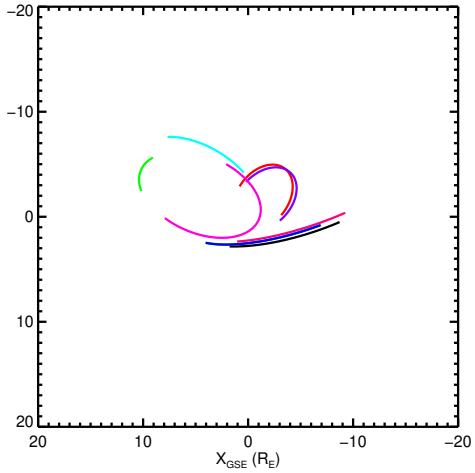


(c) 1110UT to 1755UT
ade cly cvw fhw hok kap kod ksr

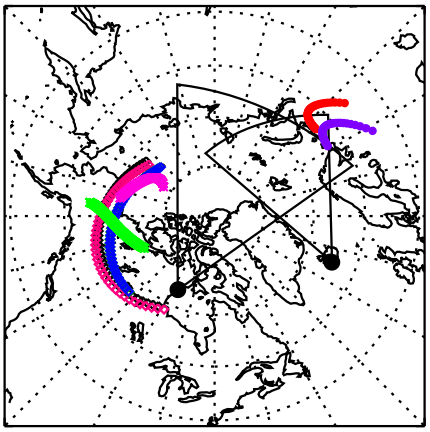


bpk unw

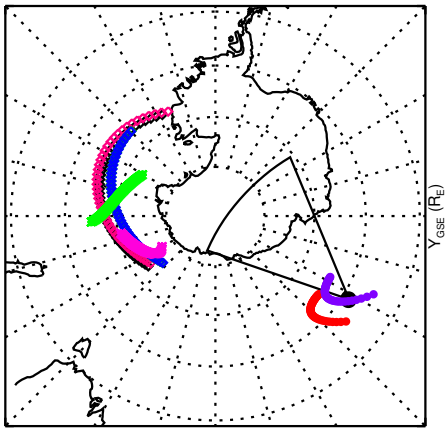


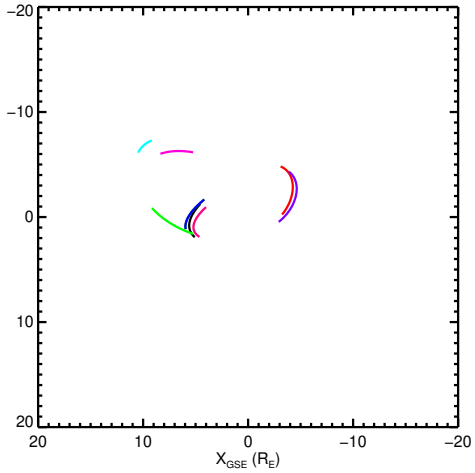



(d) 2010UT to 2355UT
pyk rkn



ker

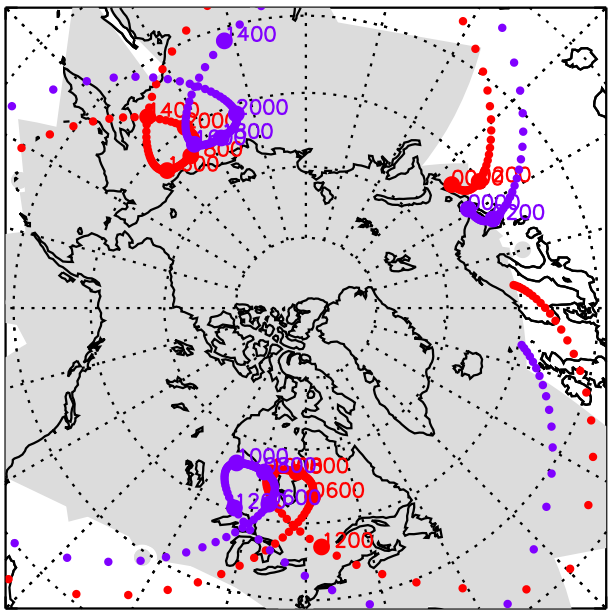


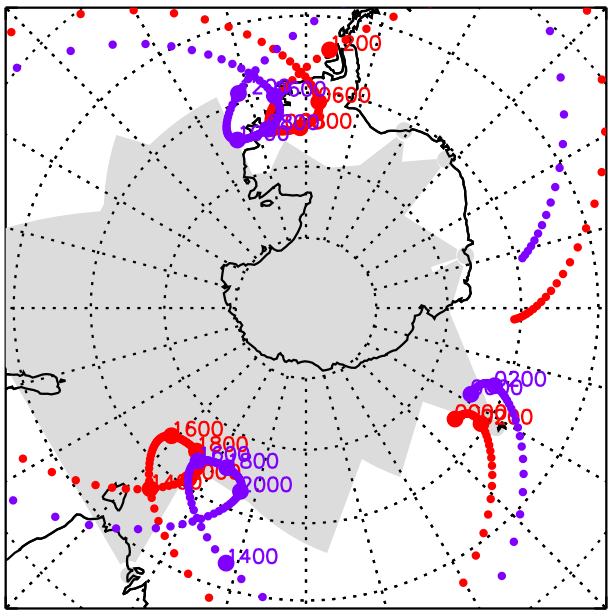


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

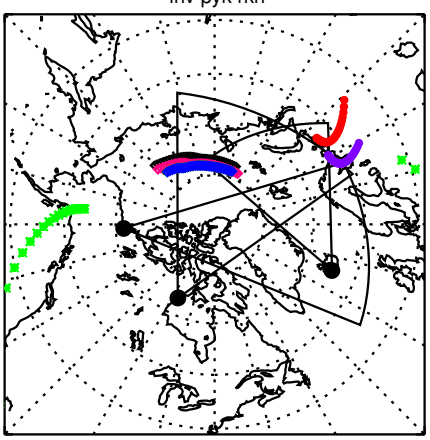
13–Aug–2016

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

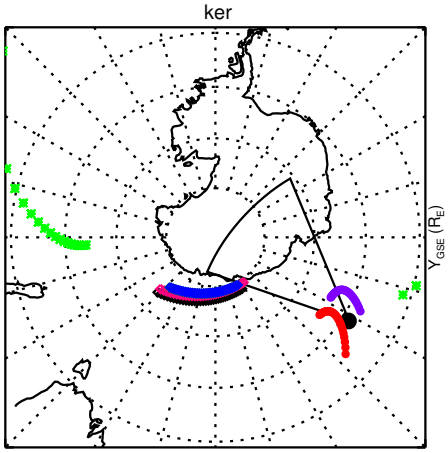


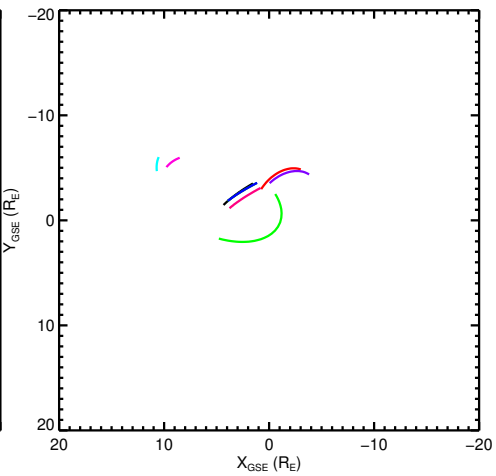


(a) 0000UT to 0250UT
inv pyk rkn

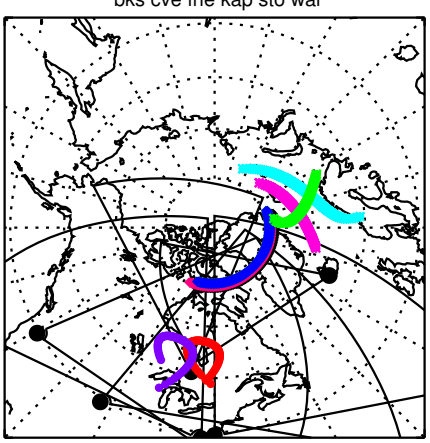


ker

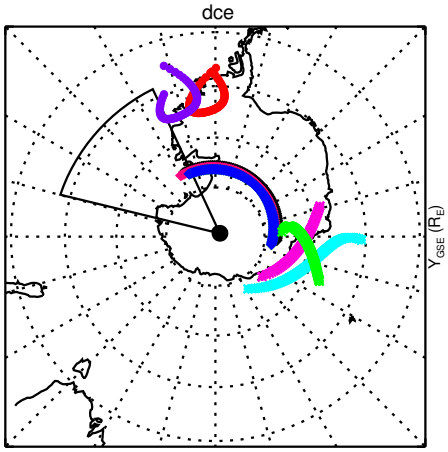


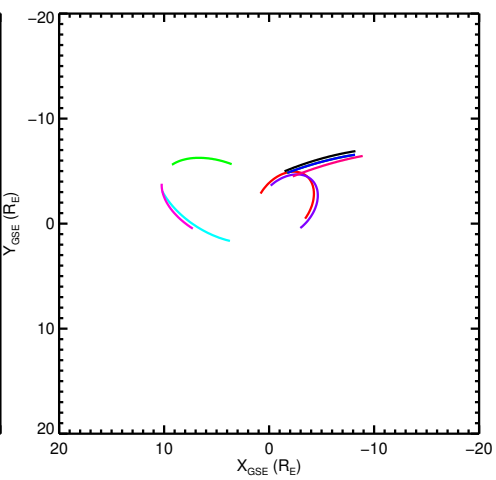



(b) 0515UT to 1150UT
bks cve fhe kap sto wal



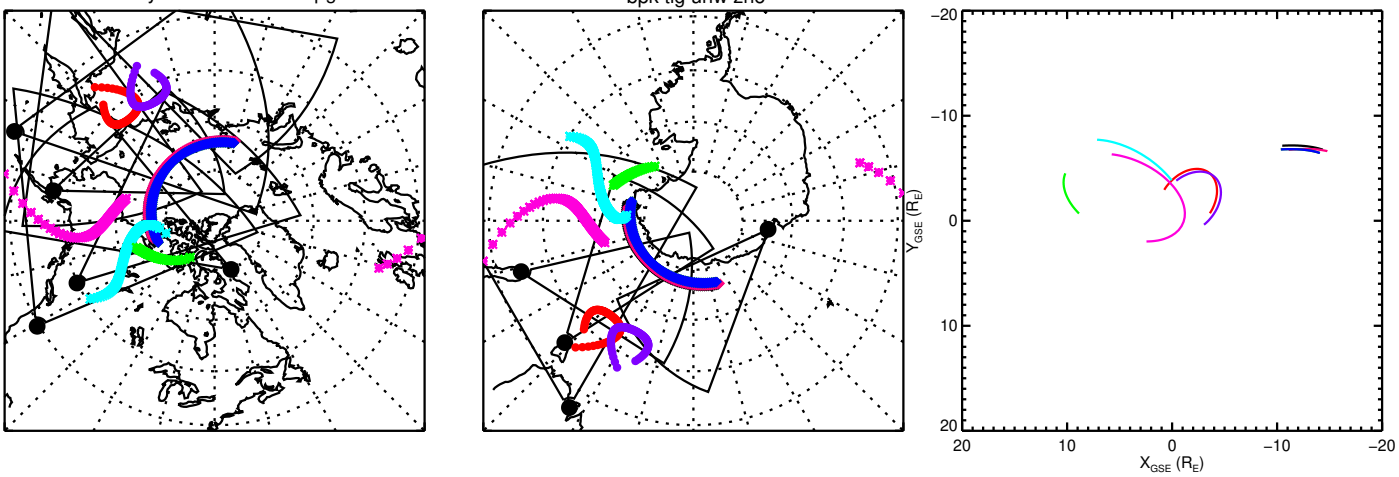
dce



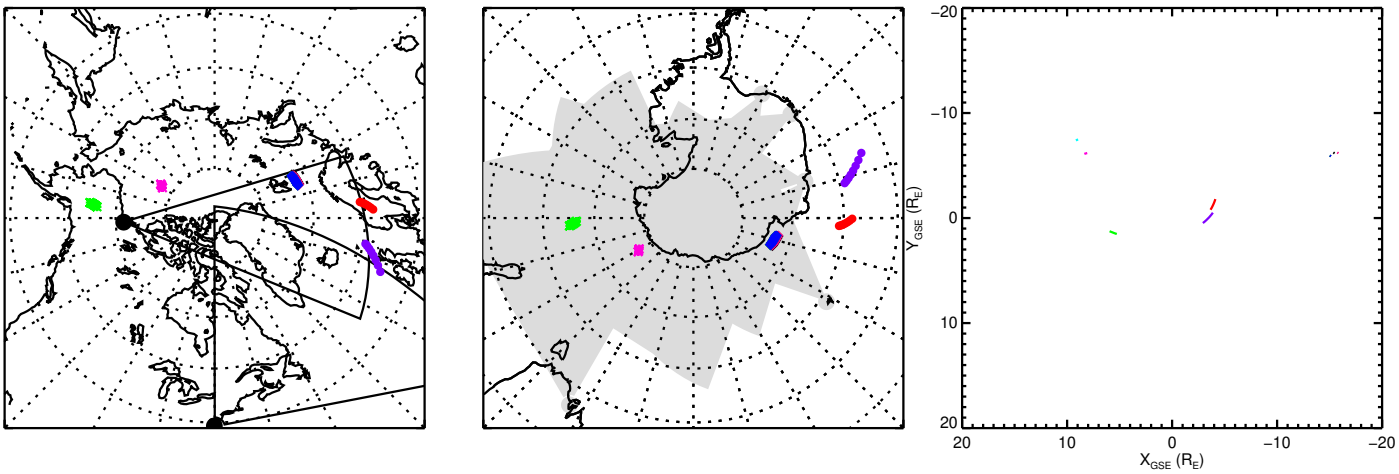


(c) 1420UT to 2045UT
adw cly cvw hkw hok ksr pgr

bpk tig unw zho



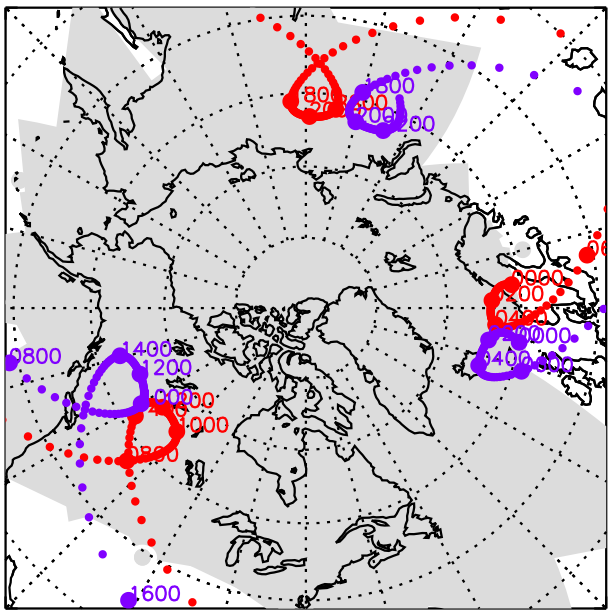

(d) 2320UT to 2355UT
inv wal

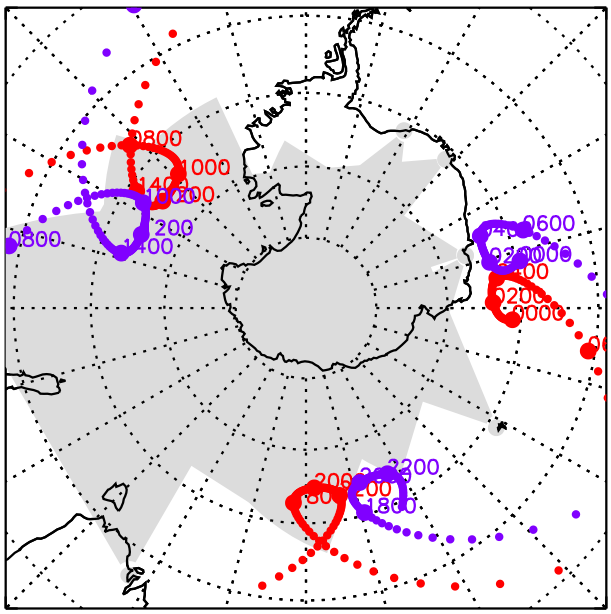


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

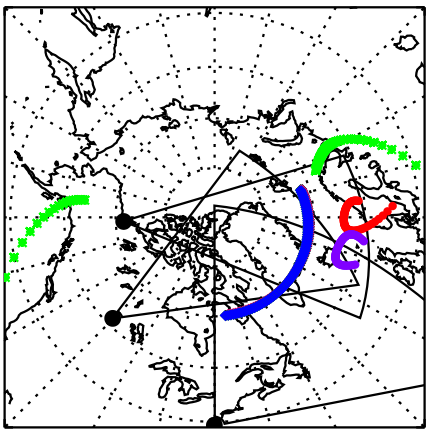
14–Aug–2016

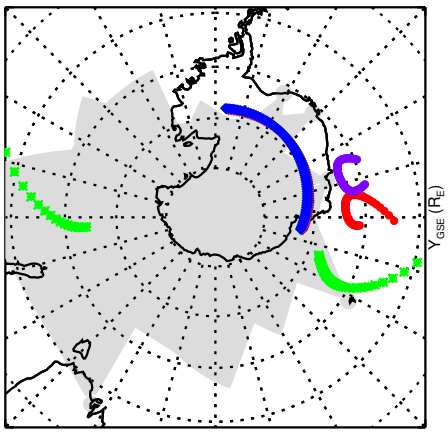
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

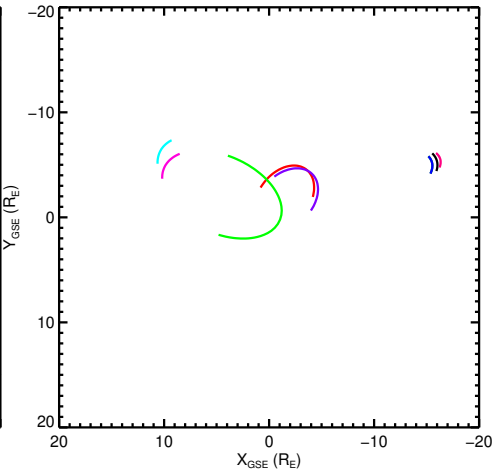




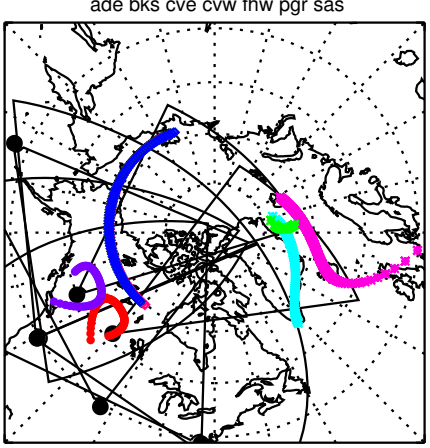
(a) 0000UT to 0545UT
inv sas wal



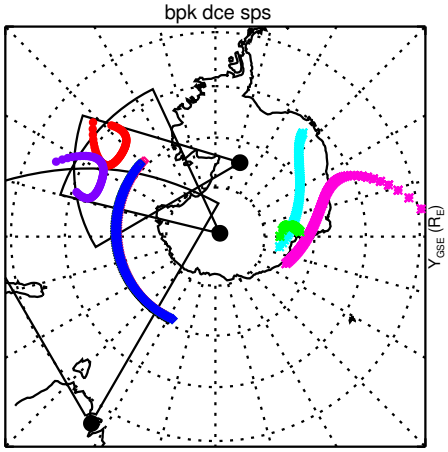


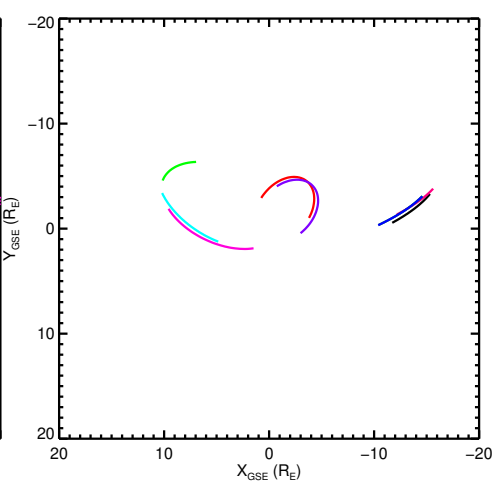


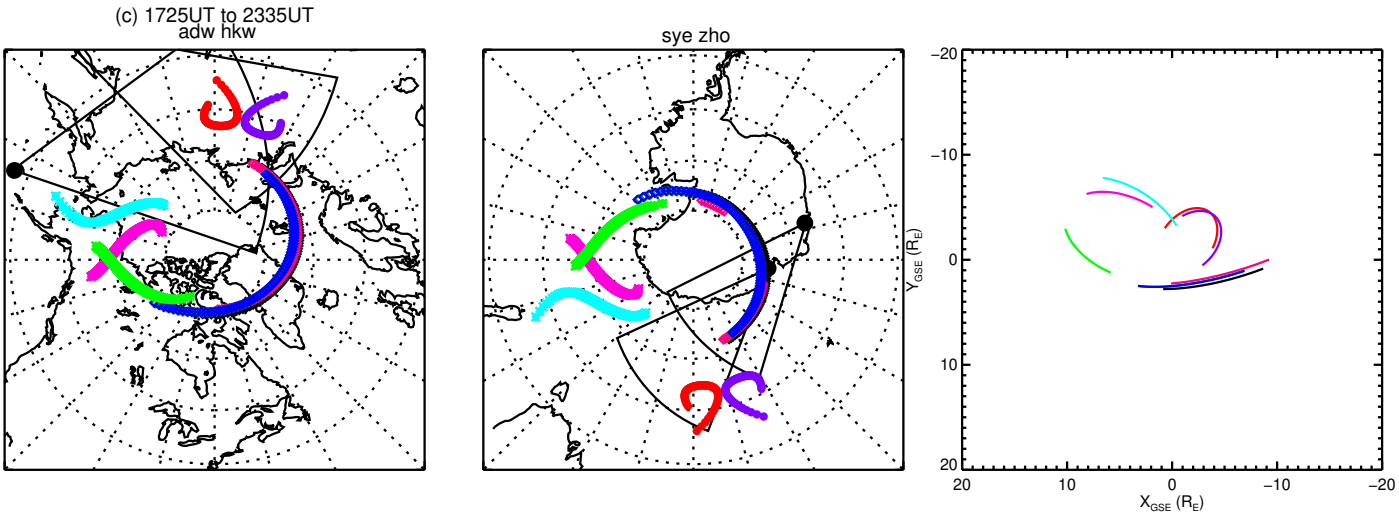

(b) 0825UT to 1440UT
ade bks cve cvw fhw pgr sas



bpk dce sps



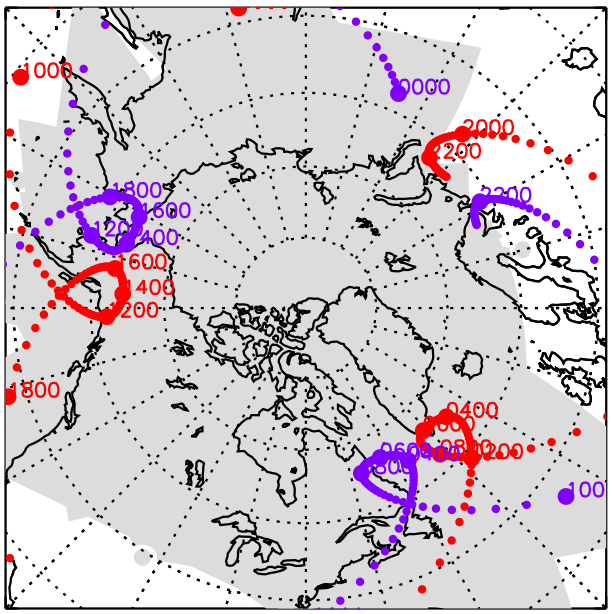


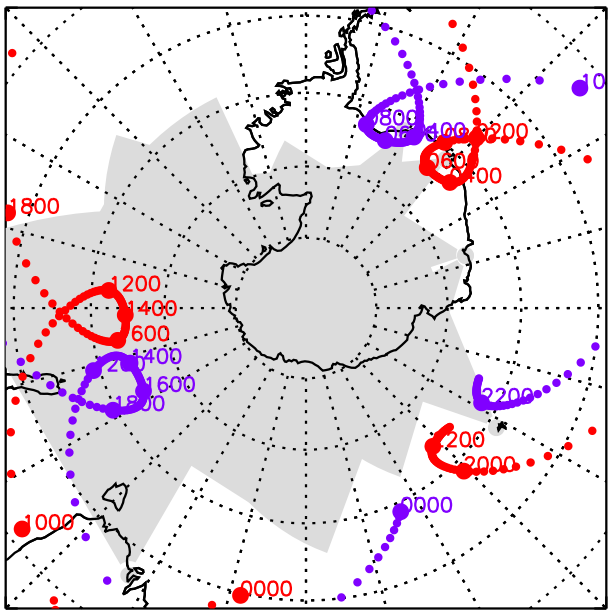

(c) 1725UT to 2335UT
adw hkw
sye zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

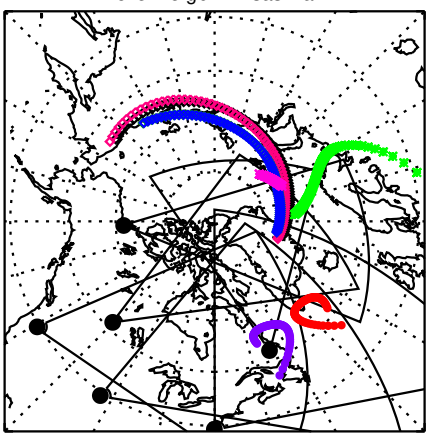
15–Aug–2016

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

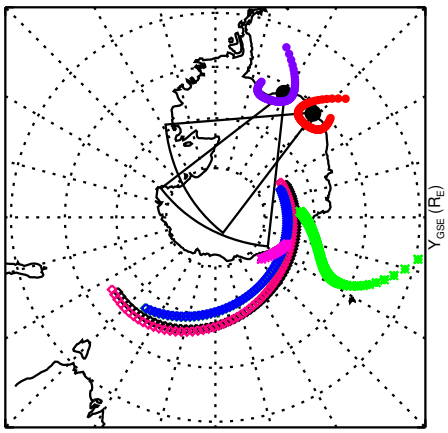


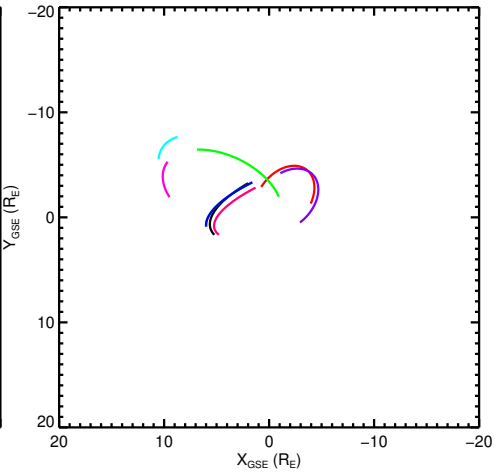


(a) 0230UT to 0835UT
cve fhe gbr inv sas wal

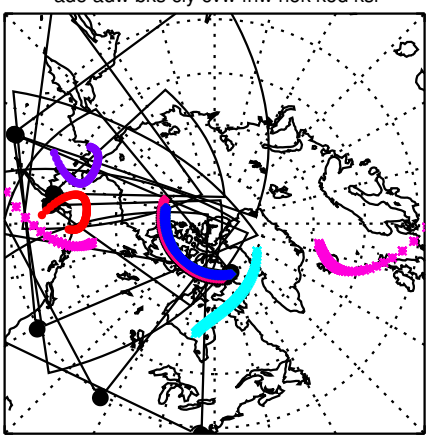


hal san

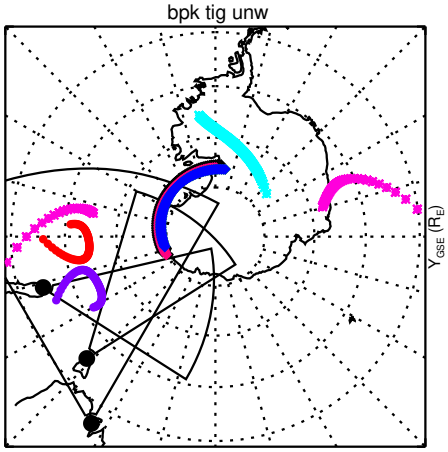


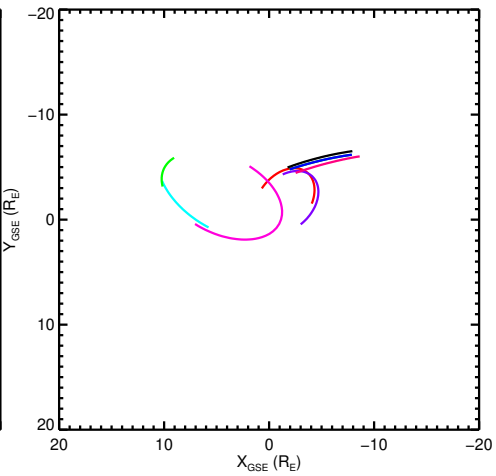


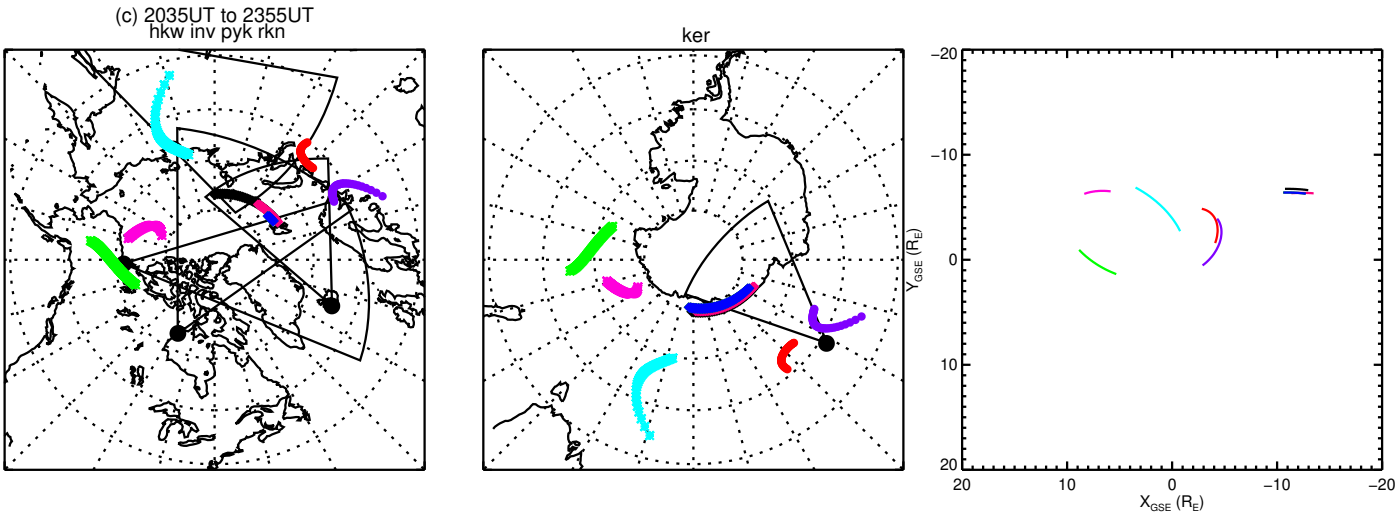

(b) 1135UT to 1730UT
ade adw bks cly cvw fhw hok kod ksr



bpk tig unw



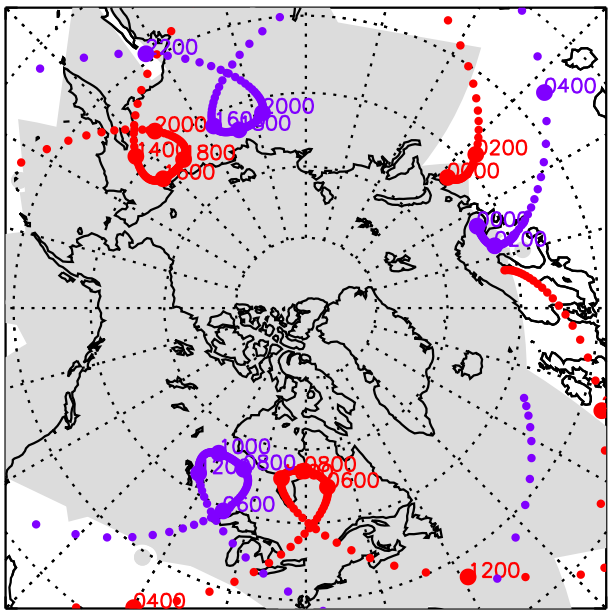


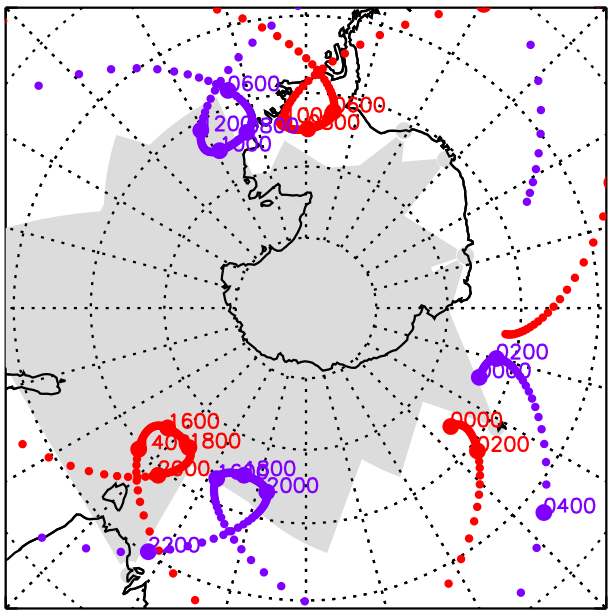

(c) 2035UT to 2355UT
hkw inv pyk rkn
ker
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

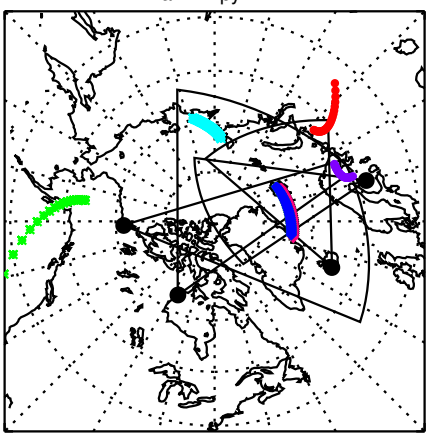
16–Aug–2016

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

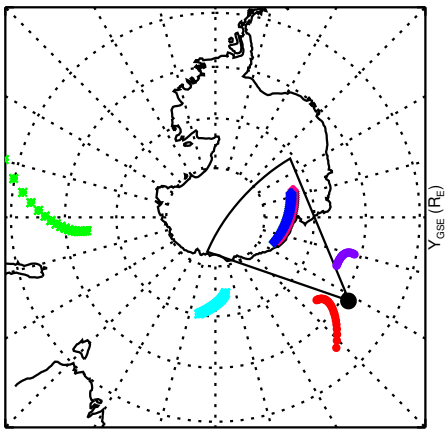


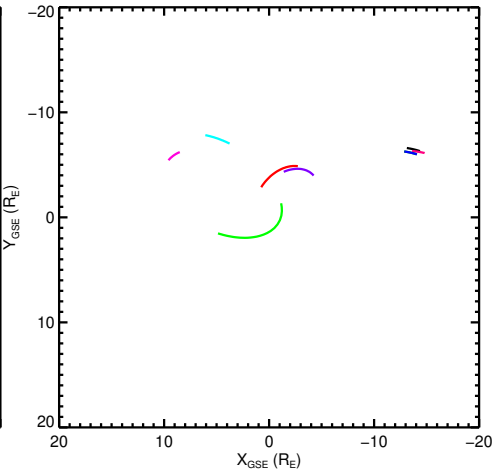




(a) 0000UT to 0230UT
han inv pyk rkn

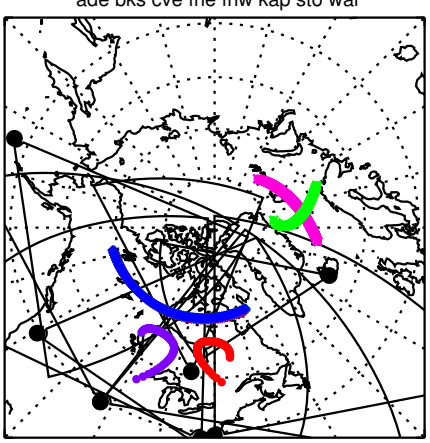


ker

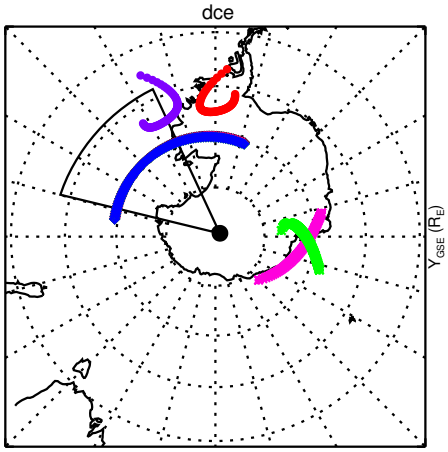


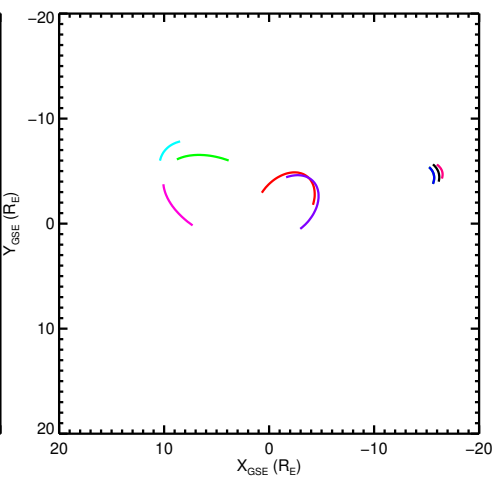



(b) 0540UT to 1125UT
ade bks cve fhe fhw kap sto wal



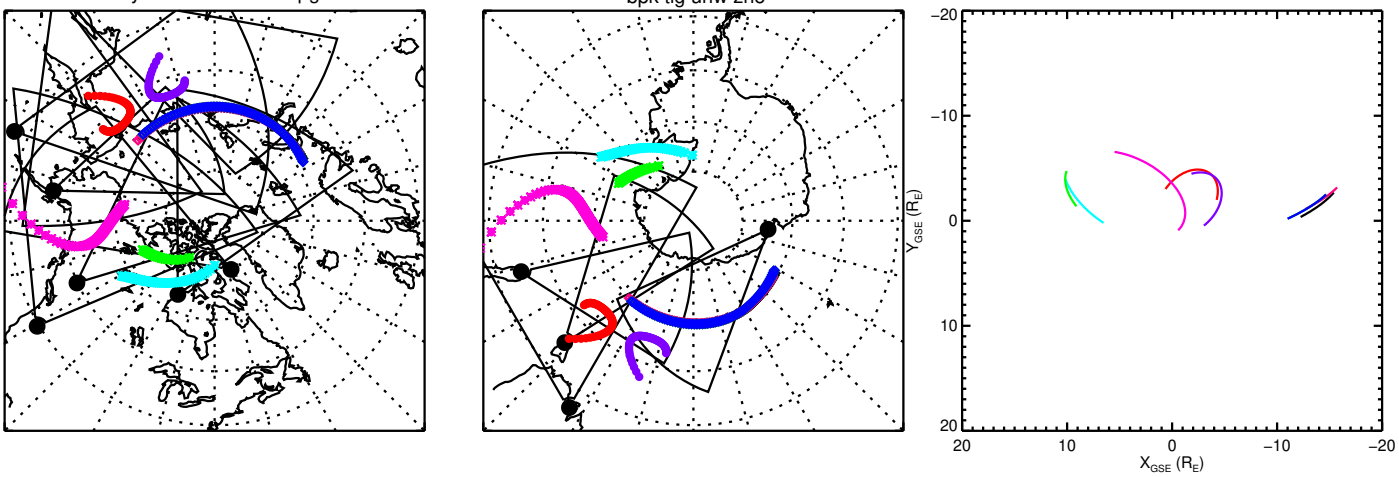
dce



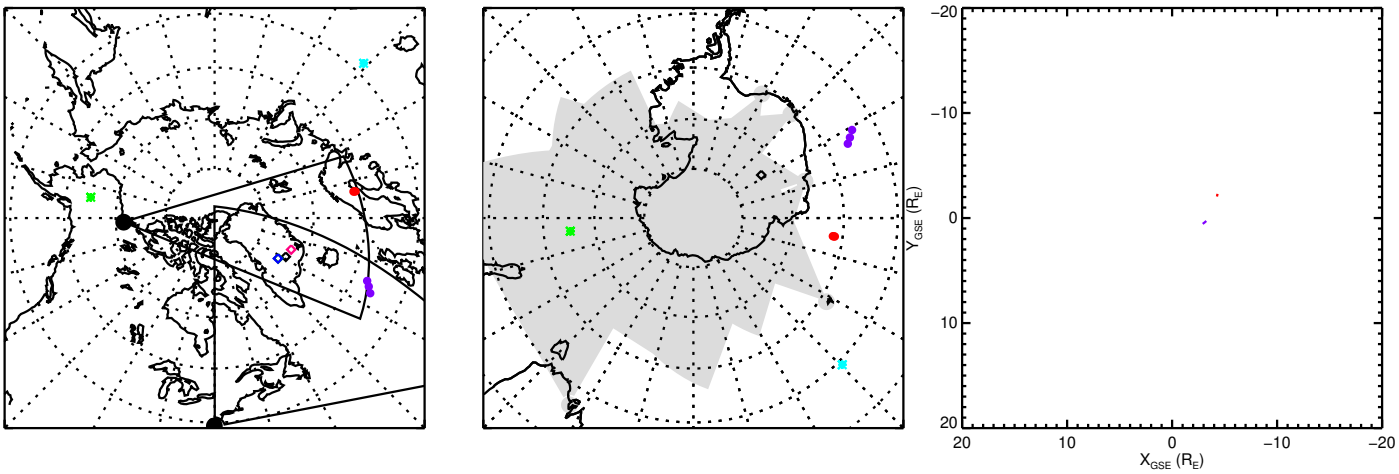


(c) 1445UT to 2020UT
adw cly cvw hkw hok ksr pgr rkn

bpk tig unw zho



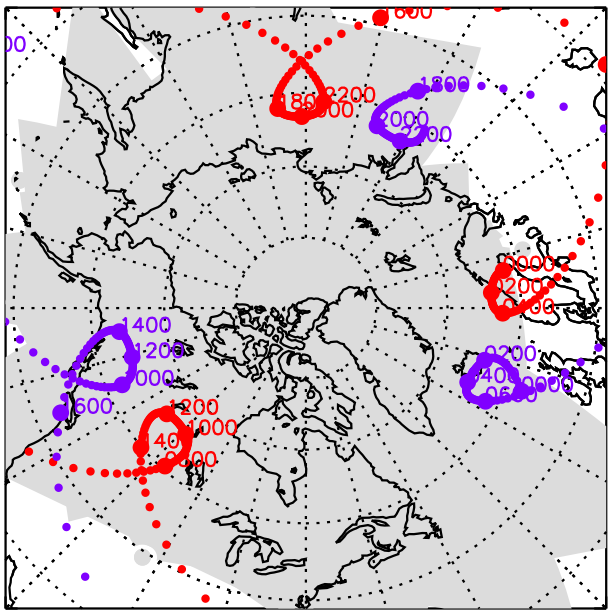

(d) 2345UT to 2355UT
inv wal

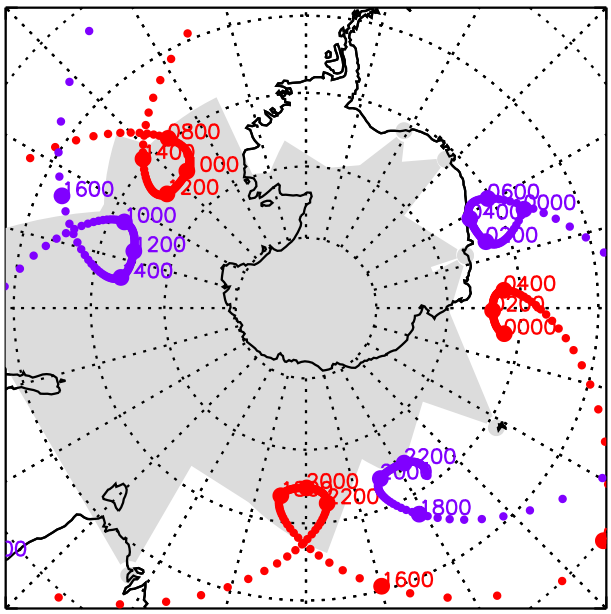


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

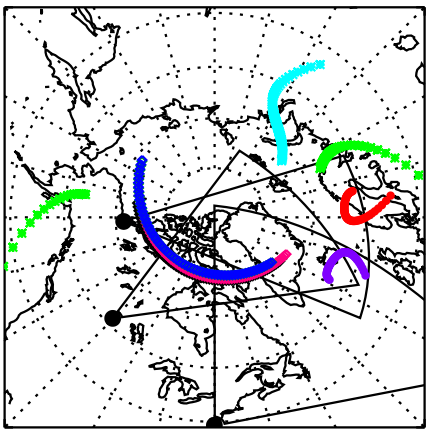
17–Aug–2016

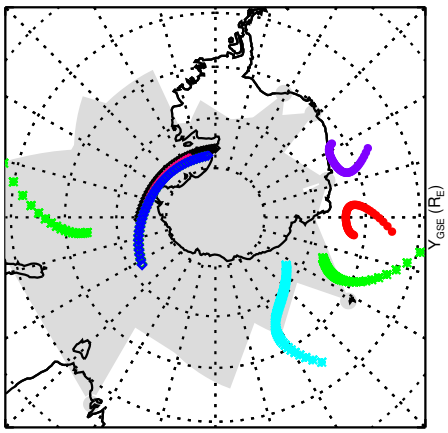
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

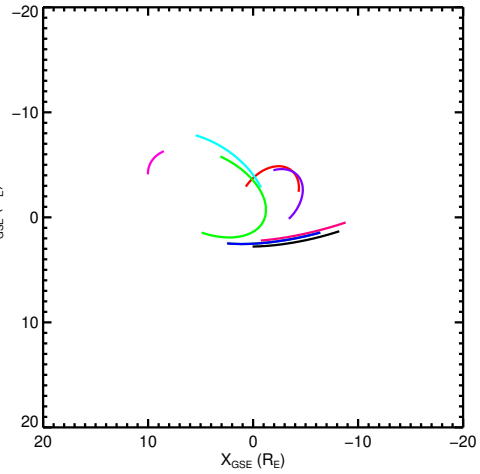




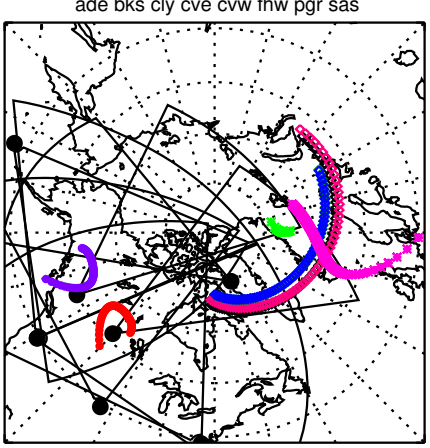
(a) 0000UT to 0520UT
inv sas wal



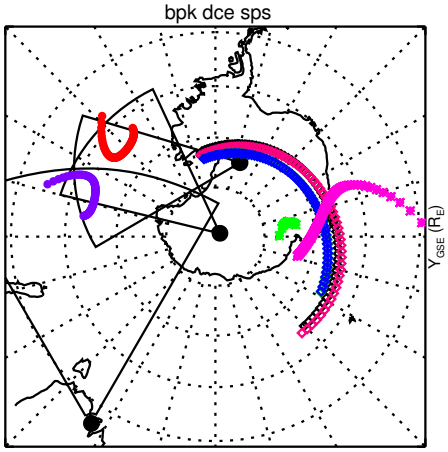


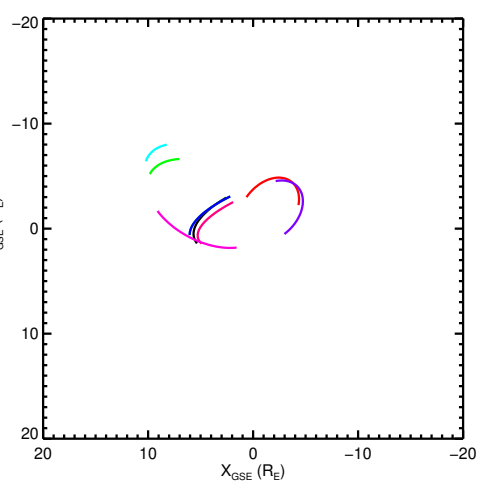


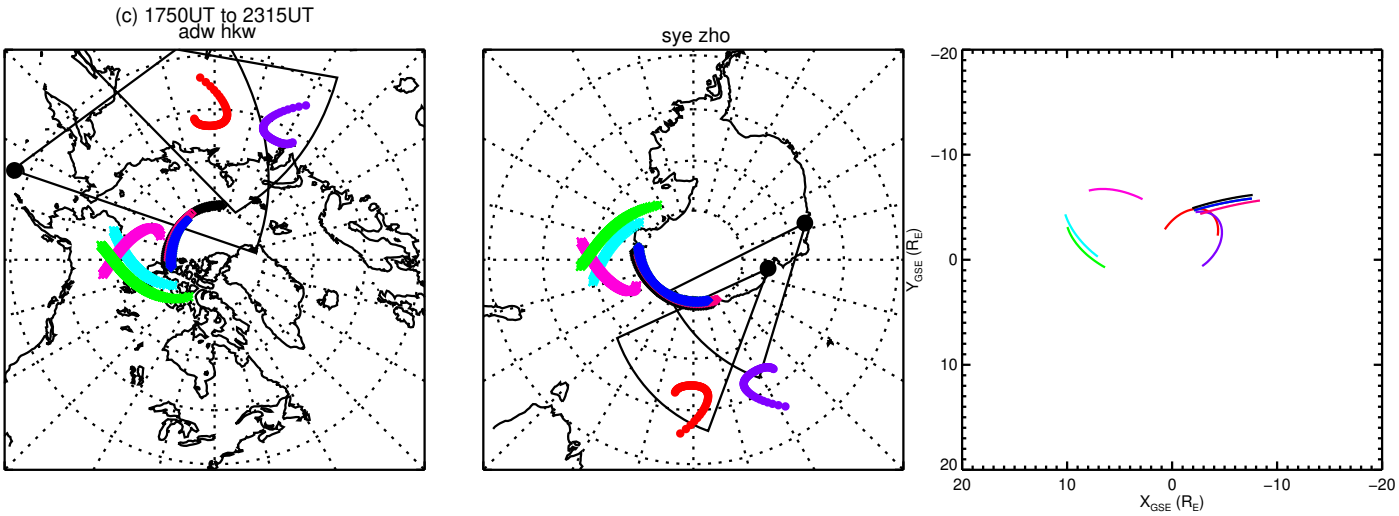

(b) 0850UT to 1415UT
ade bks cly cve cvw fhw pgr sas



bpk dce sps



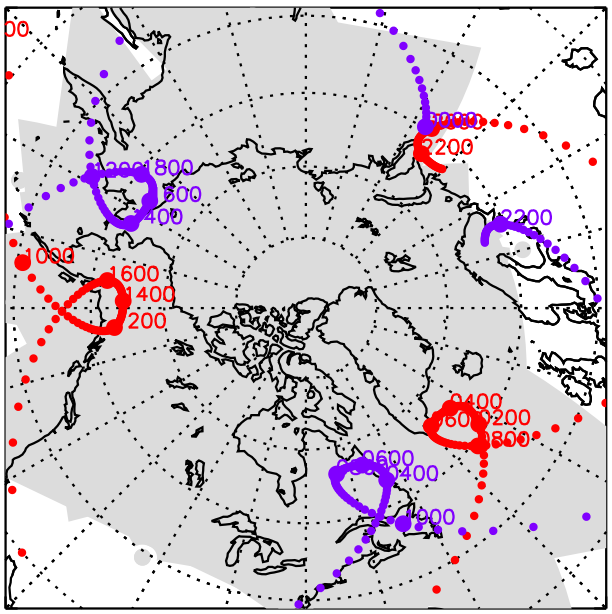


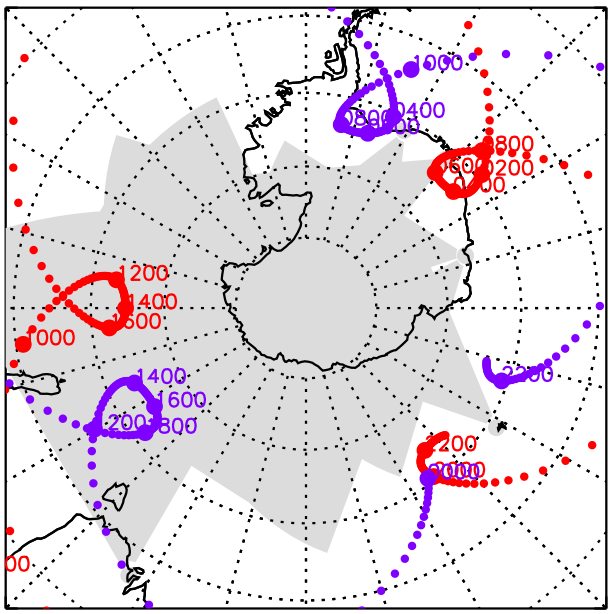

(c) 1750UT to 2315UT
adw hkw
sye zho
−20
−10
0
10
20
$Y_{GSE}$ ($R_E$)
20
10
0
−10
−20
$X_{GSE}$ ($R_E$)

# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

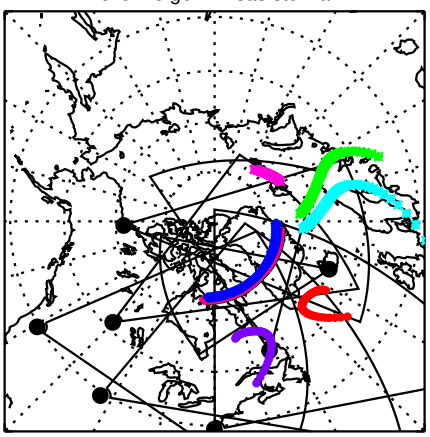
18–Aug–2016

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

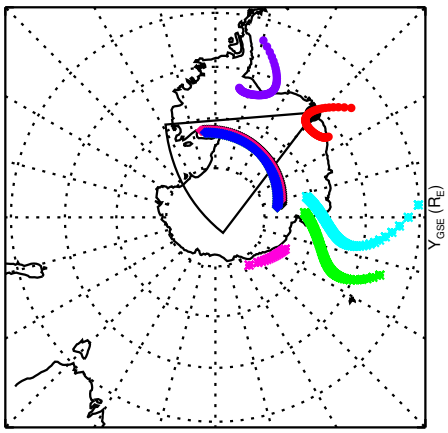


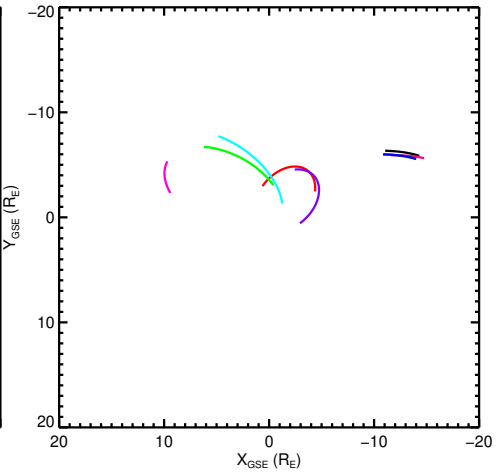


(a) 0255UT to 0810UT
cve fhe gbr inv sas sto wal

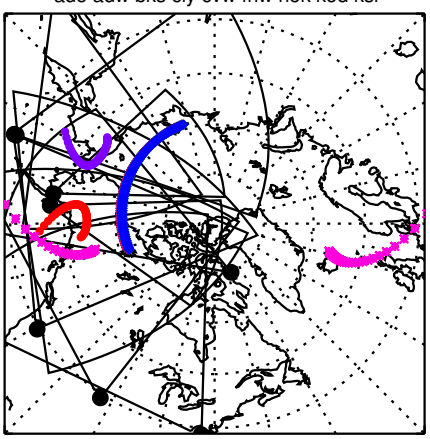


san

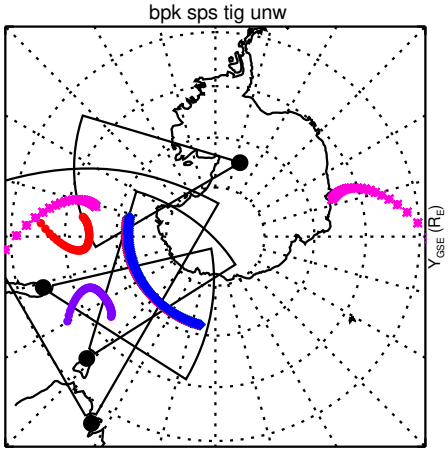


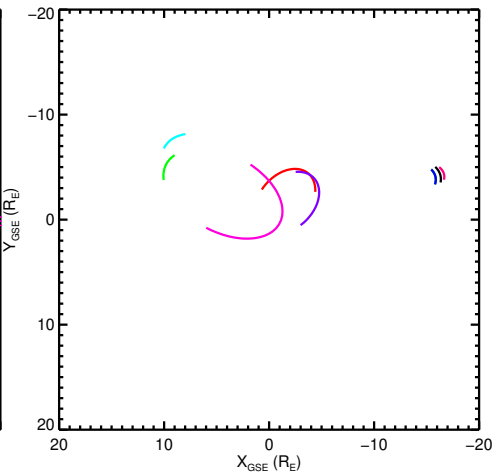



(b) 1200UT to 1710UT
ade adw bks cly cvw fhw hok kod ksr

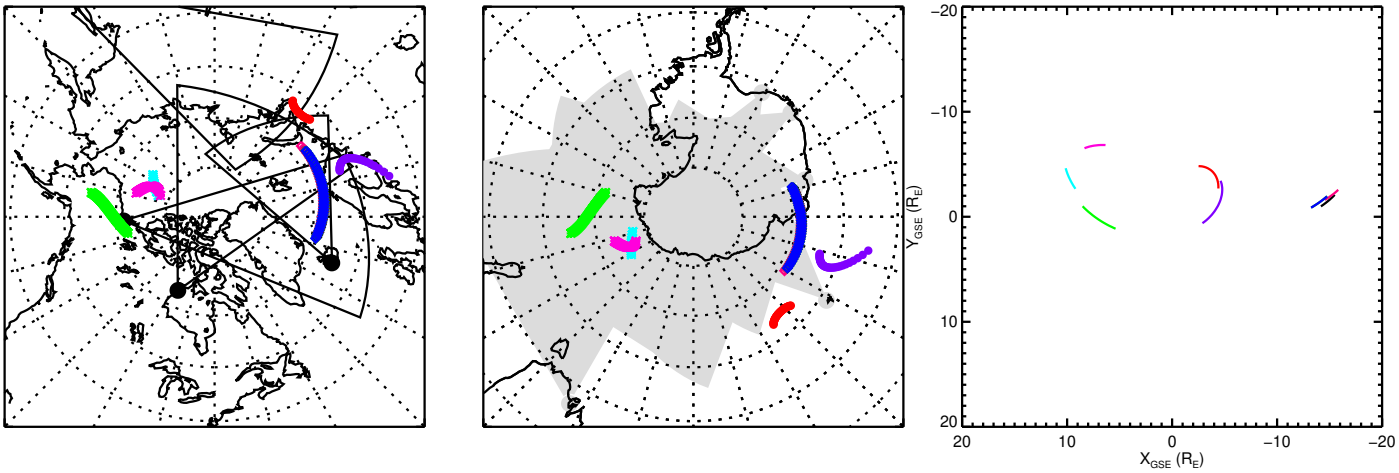


bpk sps tig unw





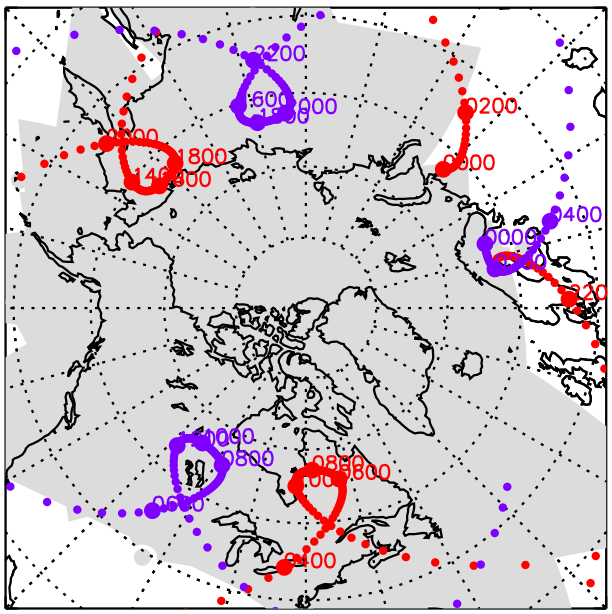
(c) 2100UT to 2355UT
hkw inv pyk rkn

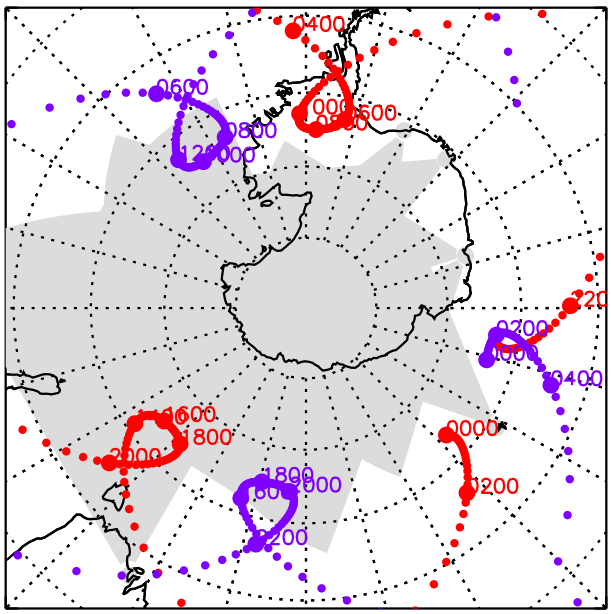


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

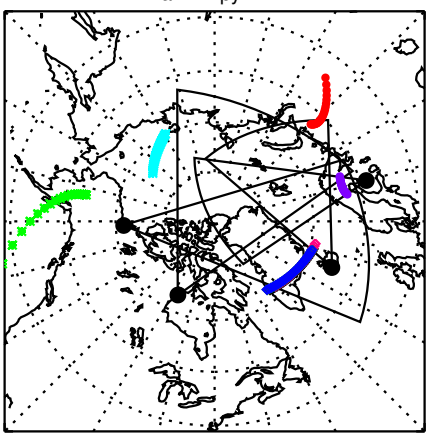
19–Aug–2016

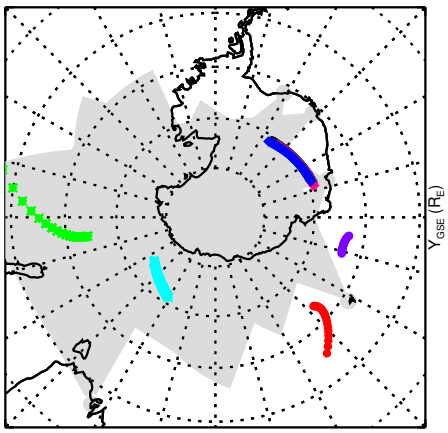
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

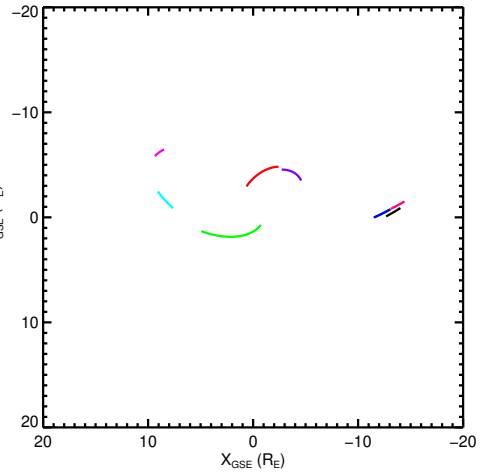




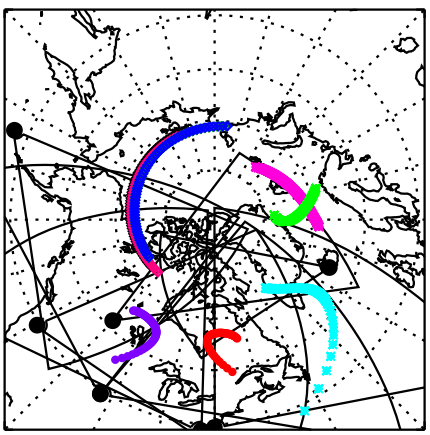
(a) 0000UT to 0205UT
han inv pyk rkn



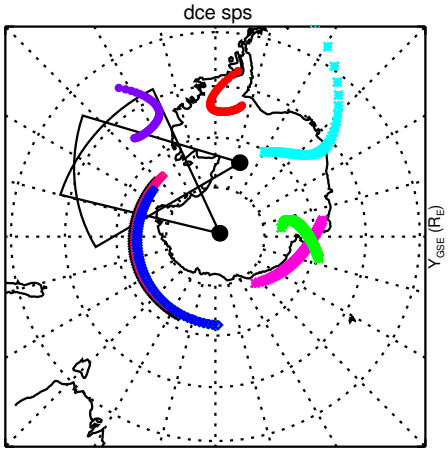


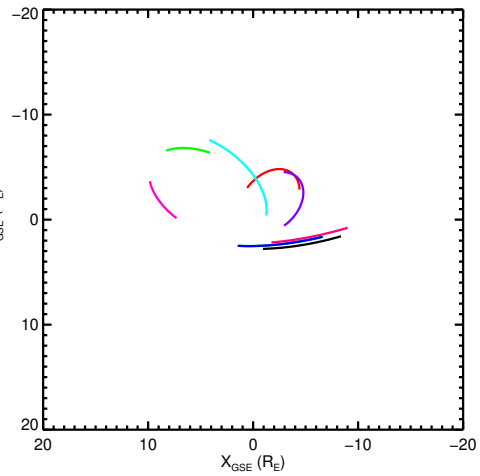



(b) 0605UT to 1100UT
ade bks cve fhe fhw sas sto wal



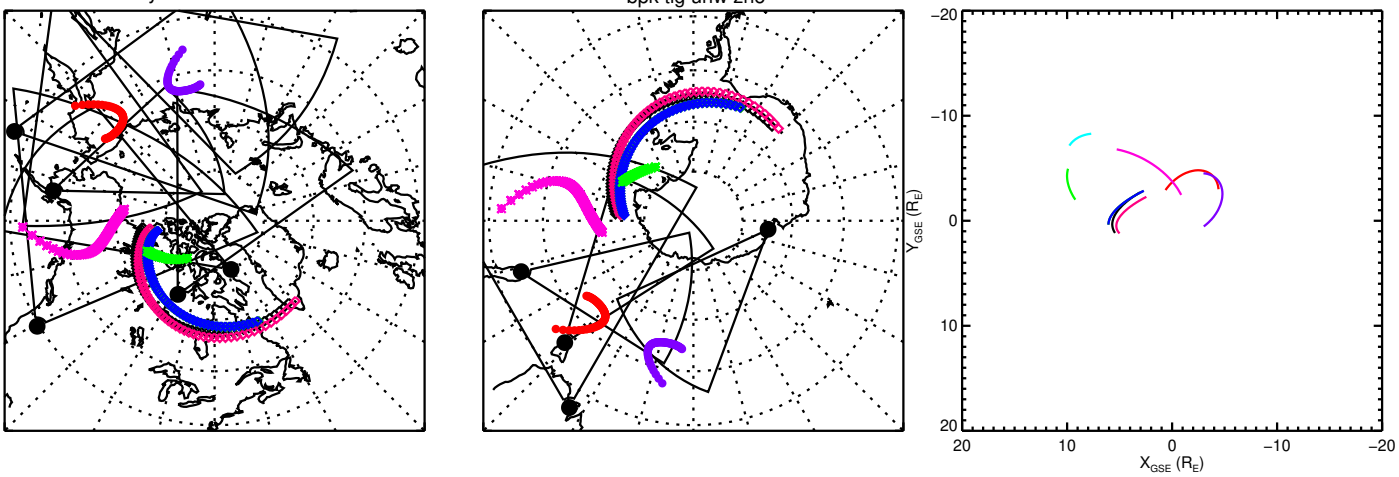
dce sps



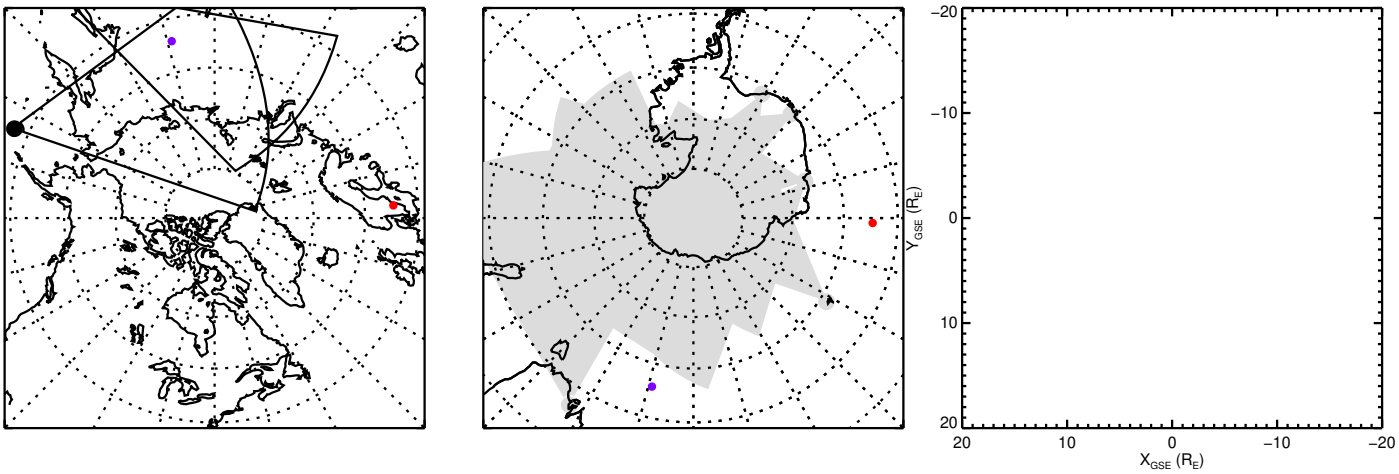


(c) 1510UT to 2000UT
adw cly cvw hkw hok ksr rkn

bpk tig unw zho



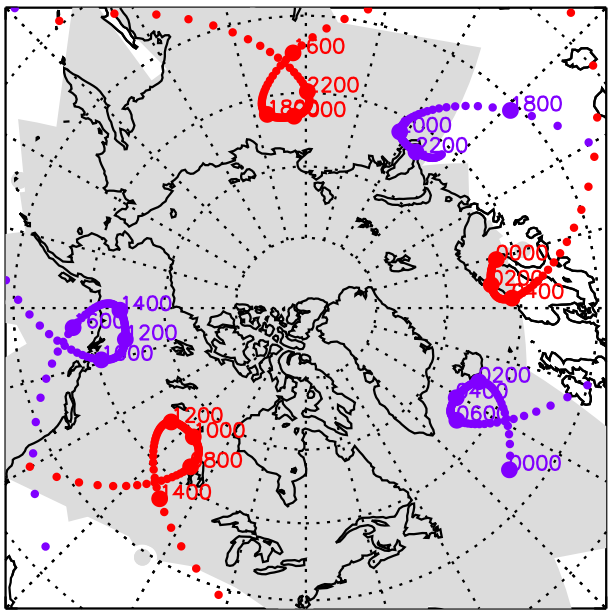

(d) 2205UT to 2205UT
adw hkw

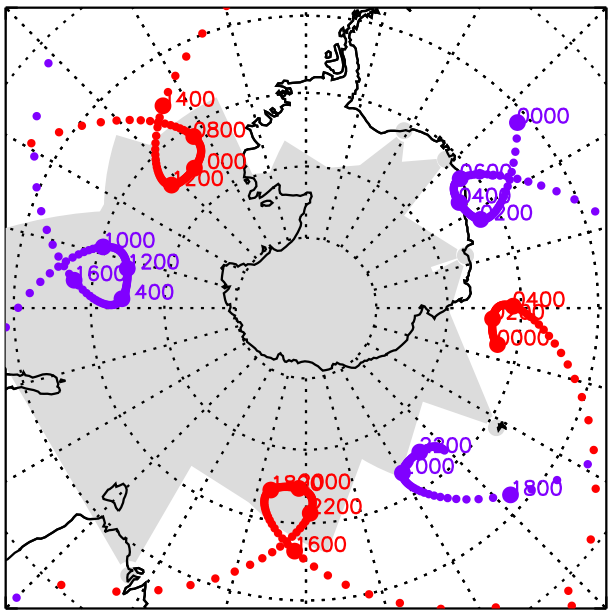


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

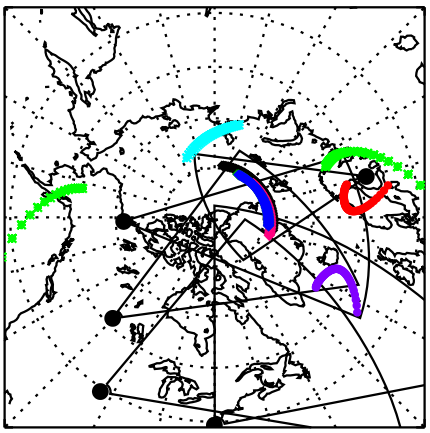
20–Aug–2016

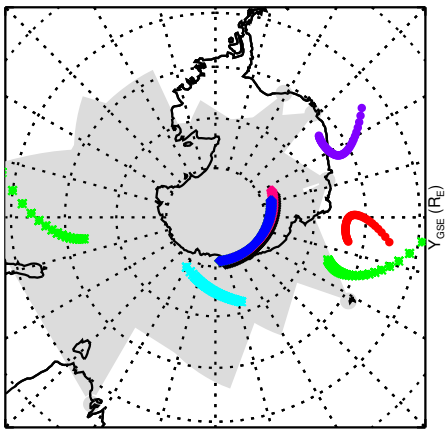
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

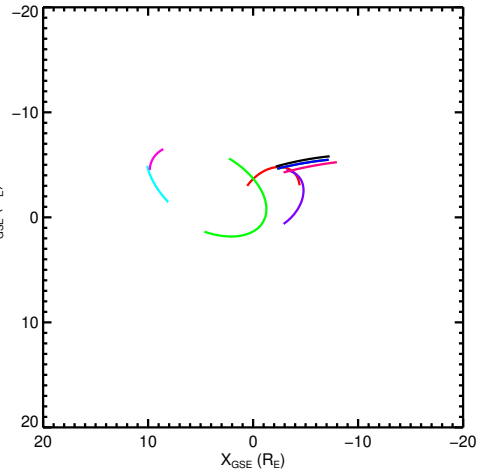




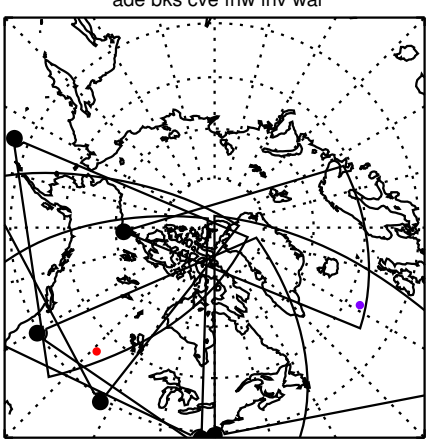
(a) 0010UT to 0455UT
fhe han inv sas wal

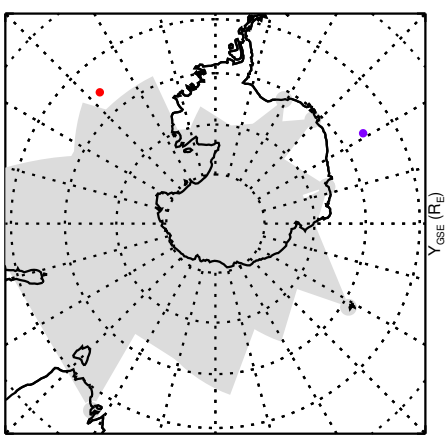


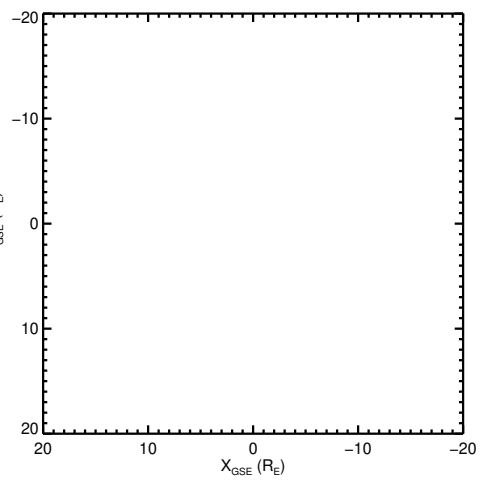




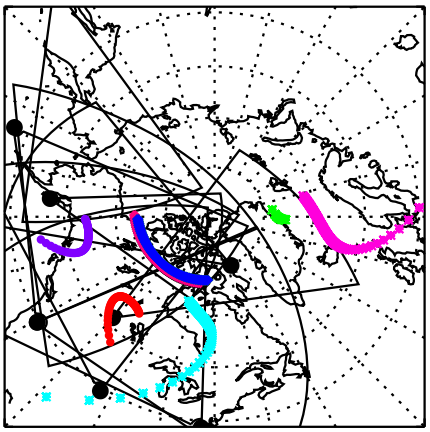

(b) 0705UT to 0705UT
ade bks cve fhw inv wal



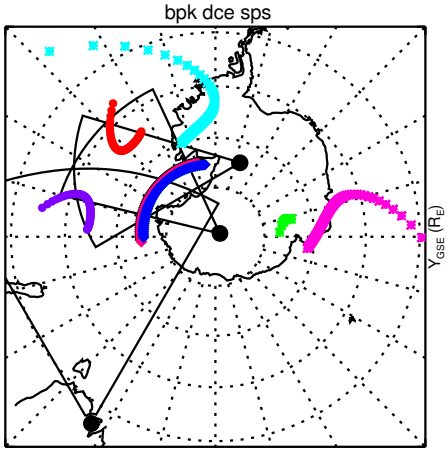


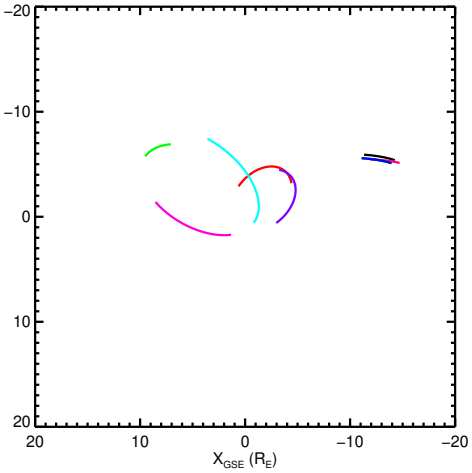


(c) 0915UT to 1355UT
ade bks cly cve cvw fhw hok kod sas

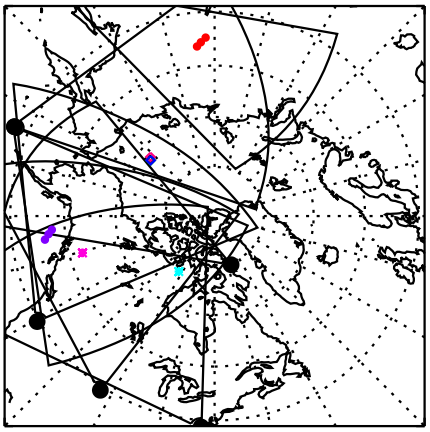


bpk dce sps

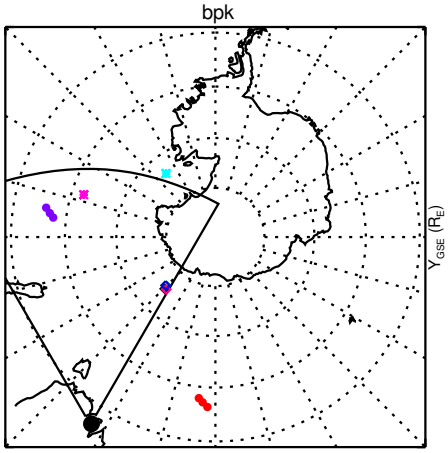


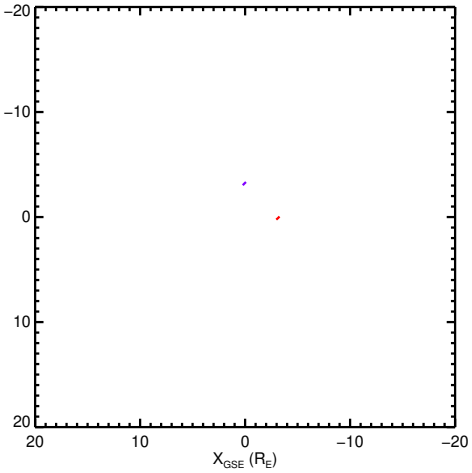



(d) 1600UT to 1610UT
ade adw bks cly cvw fhw hkw

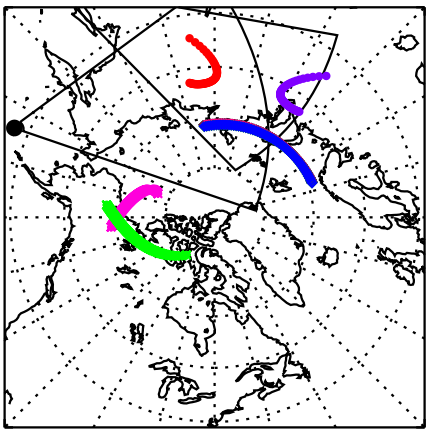


bpk

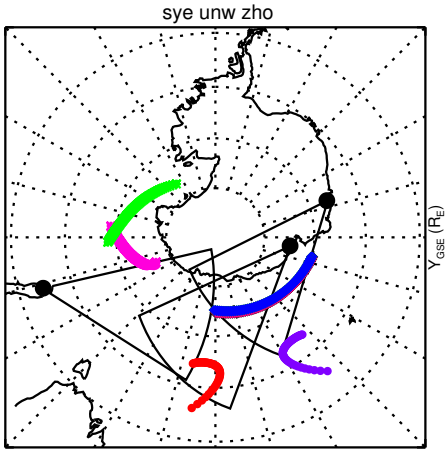


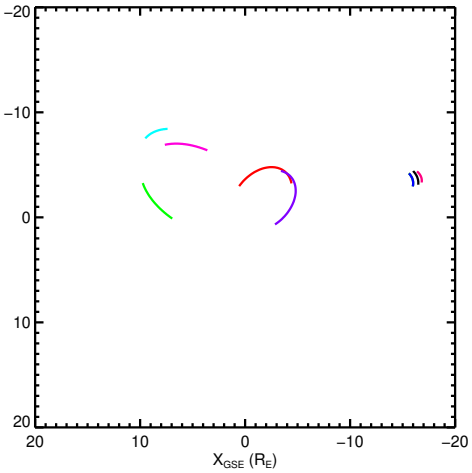



(e) 1815UT to 2250UT
adw hkw



sye unw zho

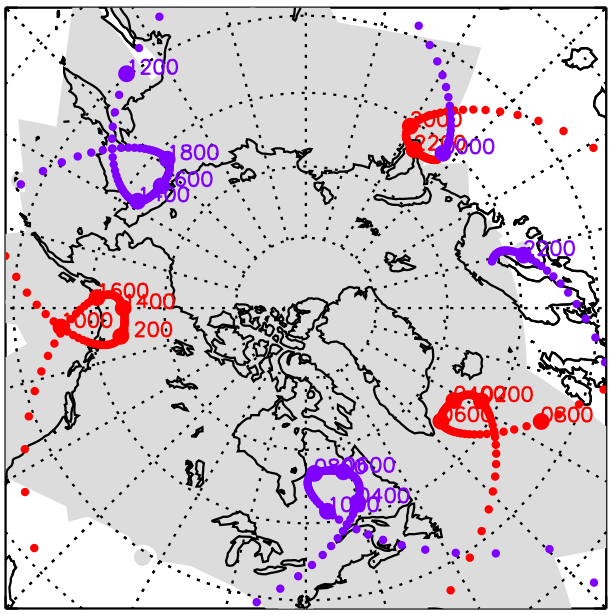


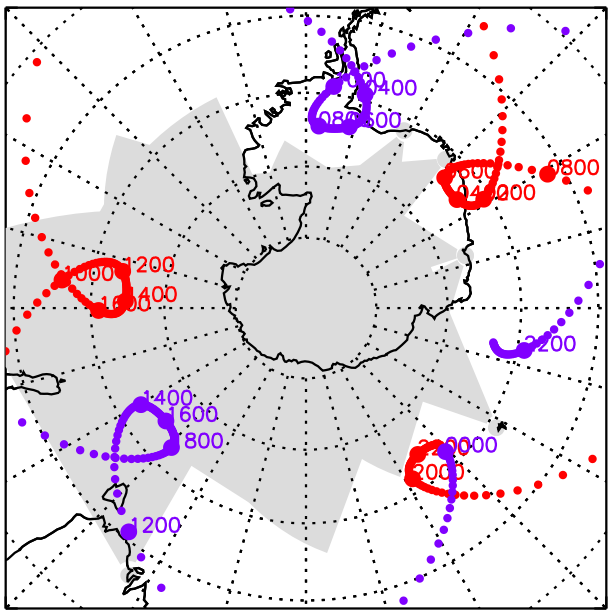


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

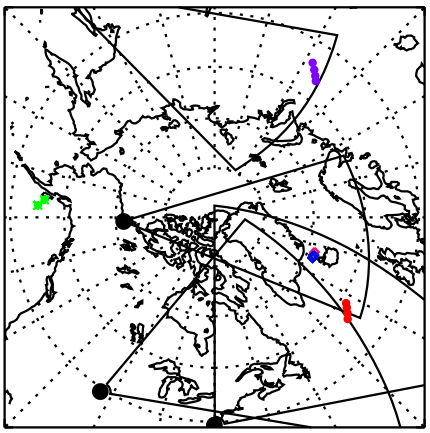
21−Aug−2016

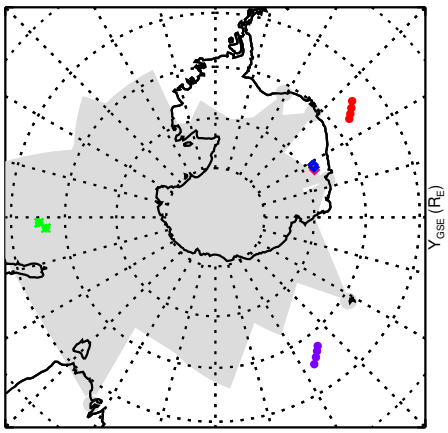
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

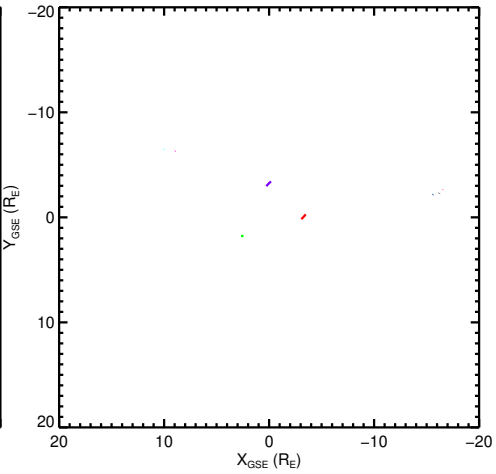




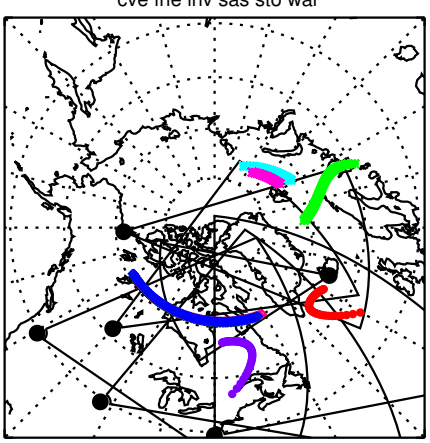
(a) 0100UT to 0115UT
fhe hkw inv wal

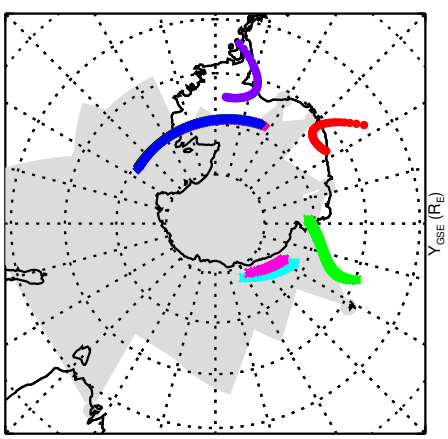


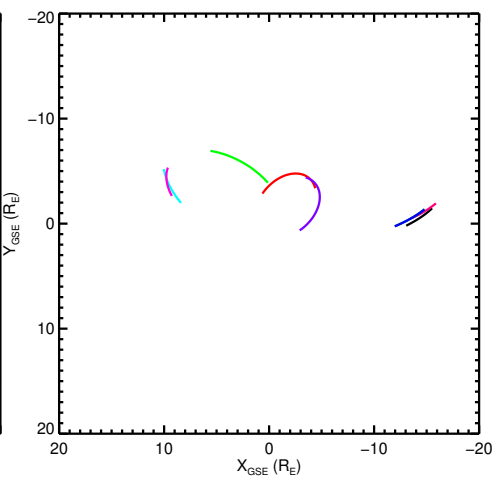




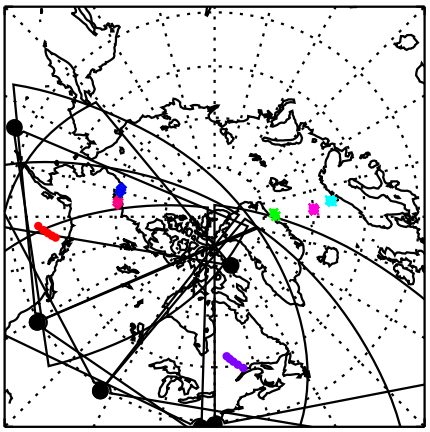

(b) 0320UT to 0750UT
cve fhe inv sas sto wal



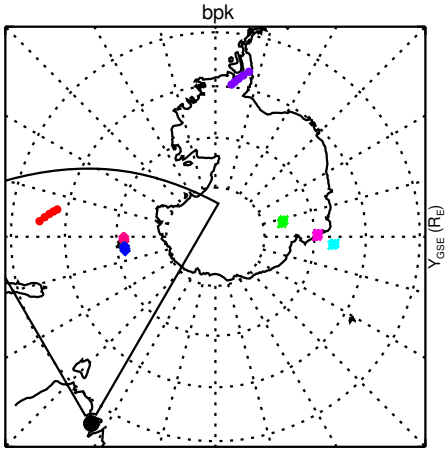


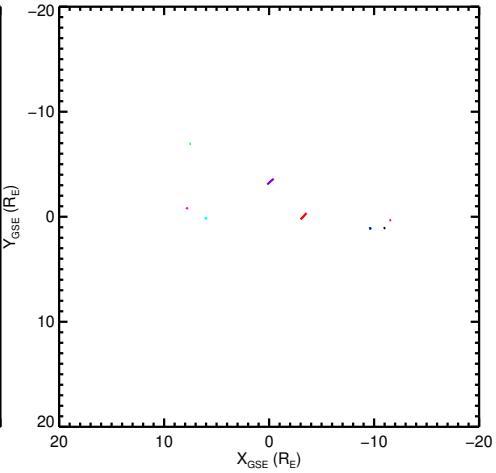


(c) 0955UT to 1015UT
ade bks cly cve cvw fhe fhw wal

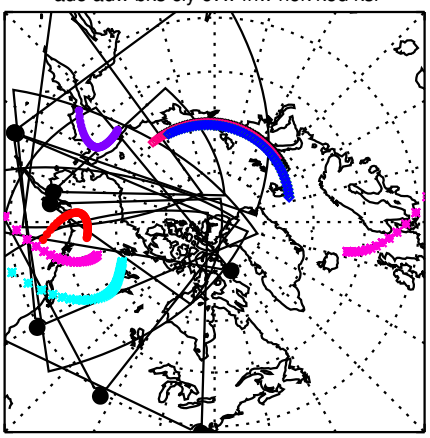


bpk

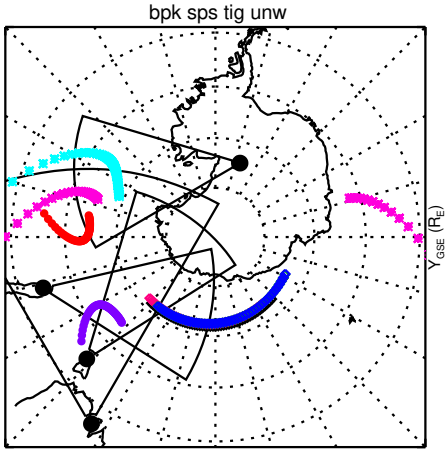


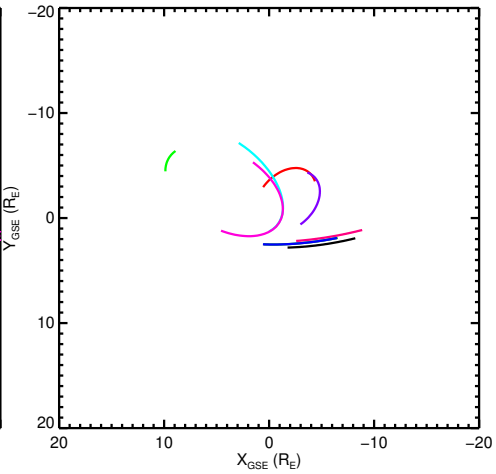



(d) 1225UT to 1645UT
ade adw bks cly cvw fhw hok kod ksr

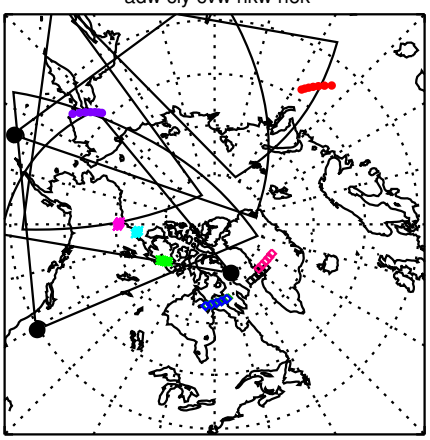


bpk sps tig unw

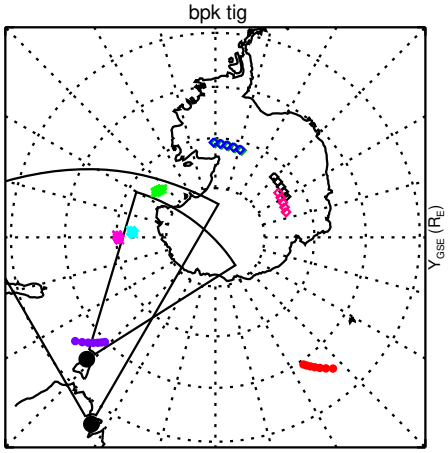


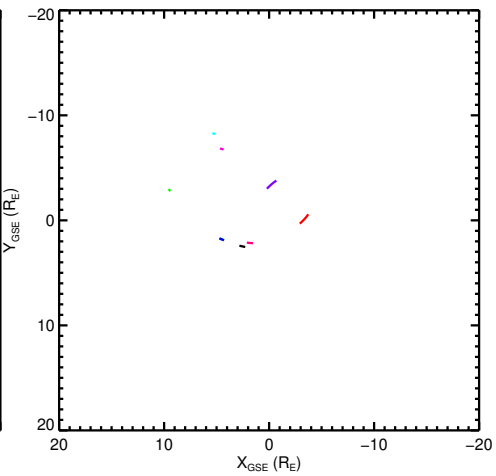



(e) 1850UT to 1920UT
adw cly cvw hkw hok

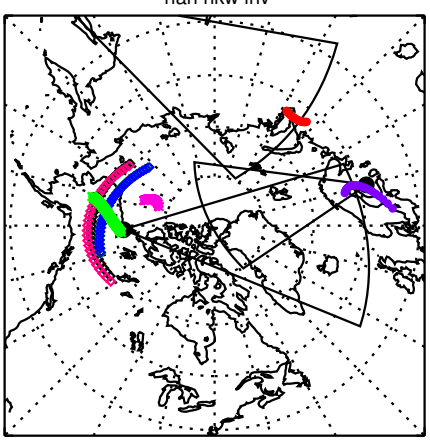


bpk tig

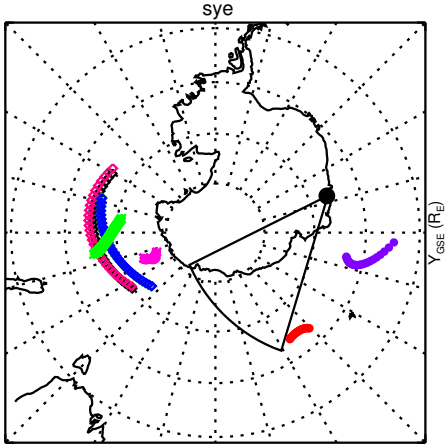


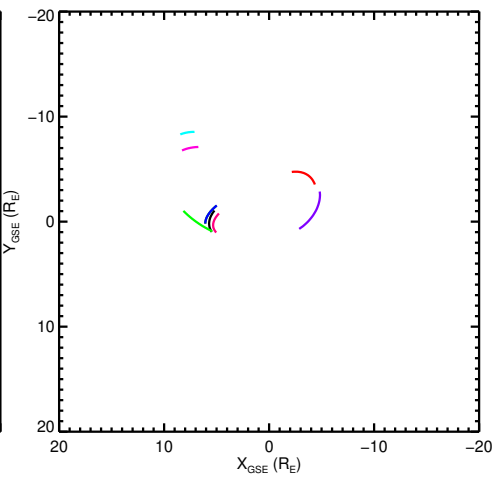



(f) 2125UT to 2355UT
han hkw inv



sye

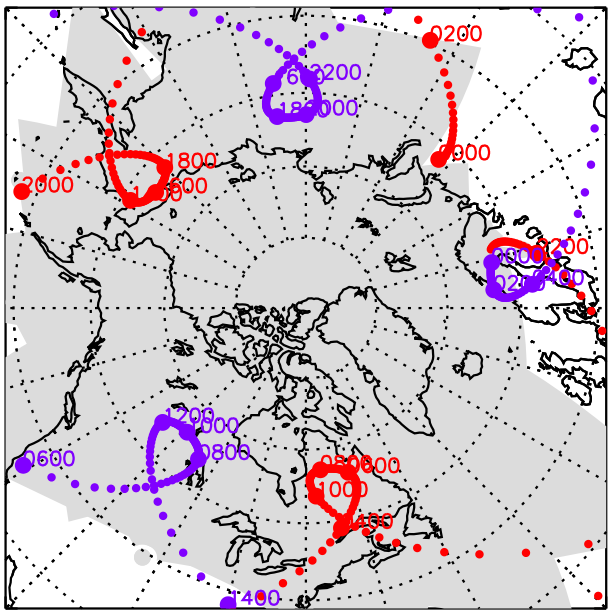


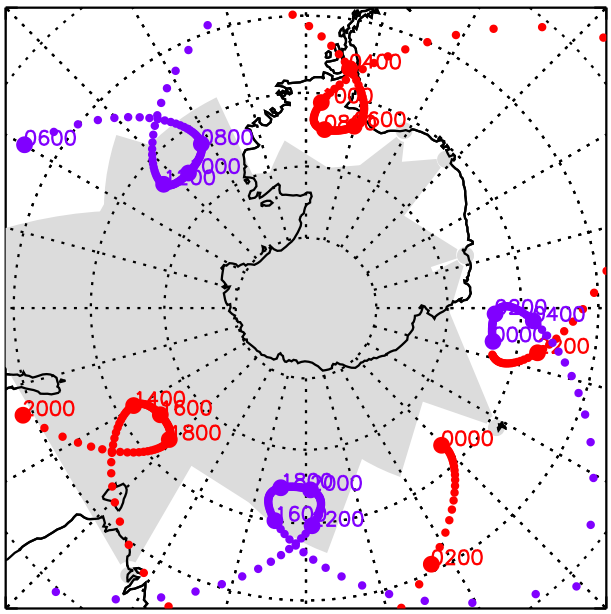


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

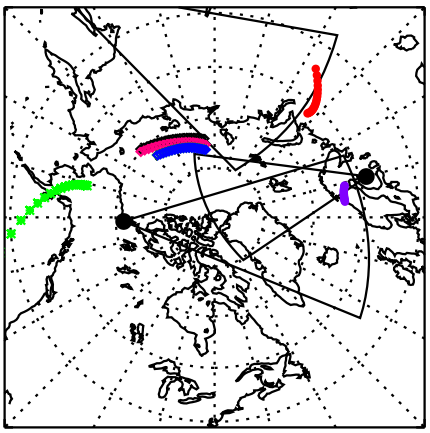
22–Aug–2016

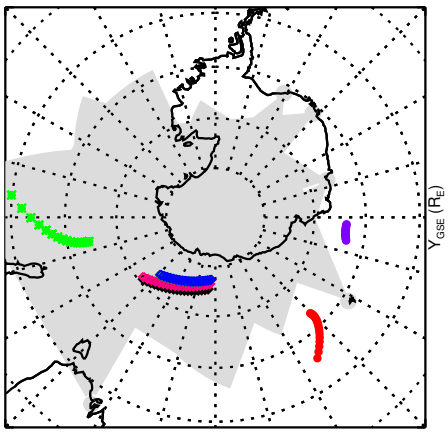
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

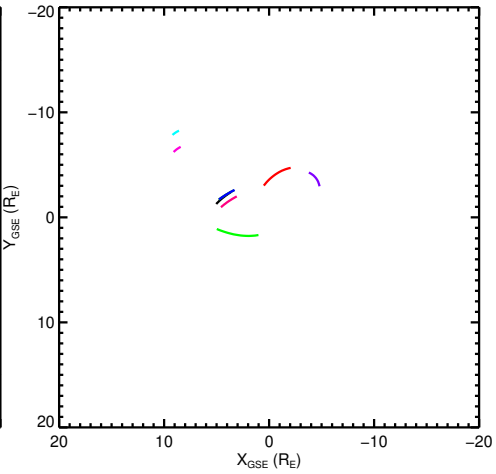




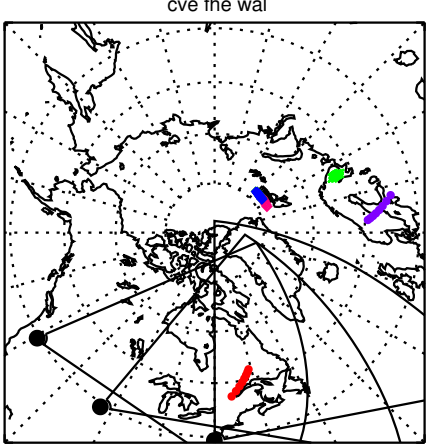
(a) 0000UT to 0140UT
han hkw inv

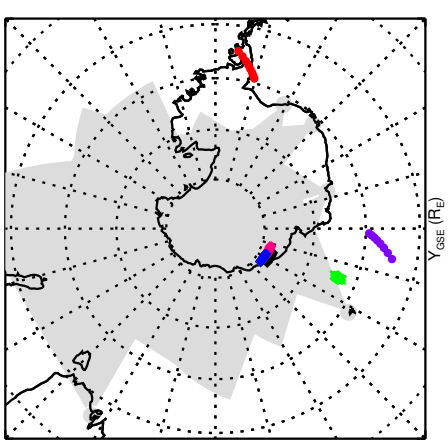


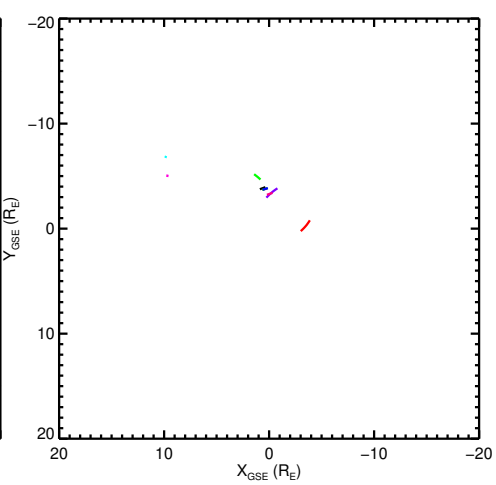




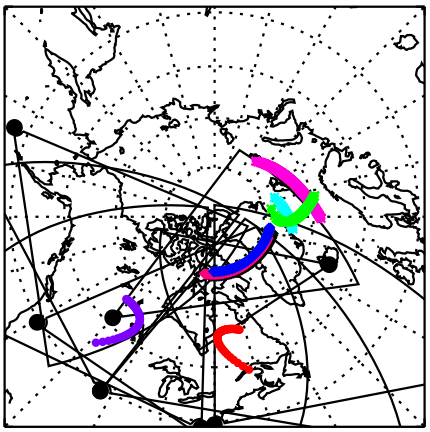

(b) 0350UT to 0425UT
cve fhe wal



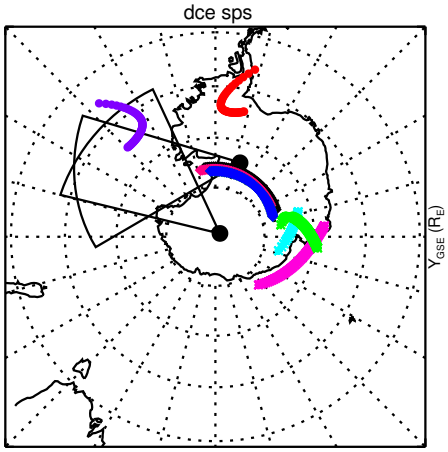


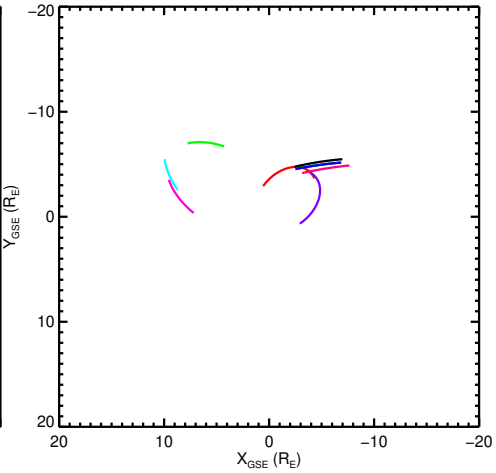


(c) 0630UT to 1040UT
ade bks cve fhe fhw sas sto wal

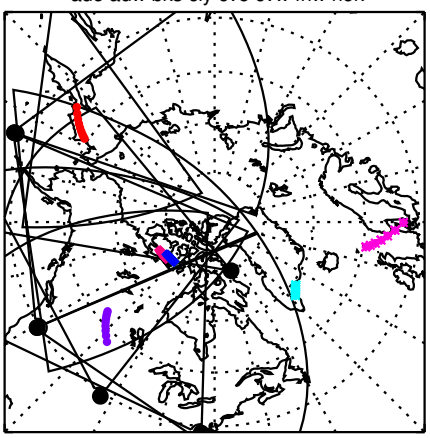


dce sps

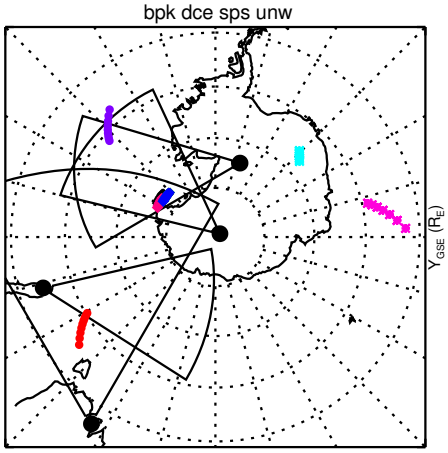


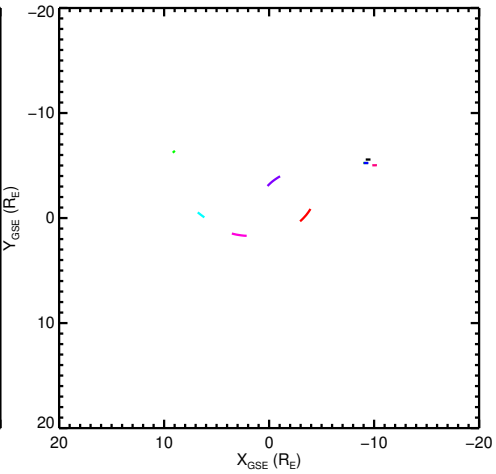



(d) 1245UT to 1325UT
ade adw bks cly cve cvw fhw hok

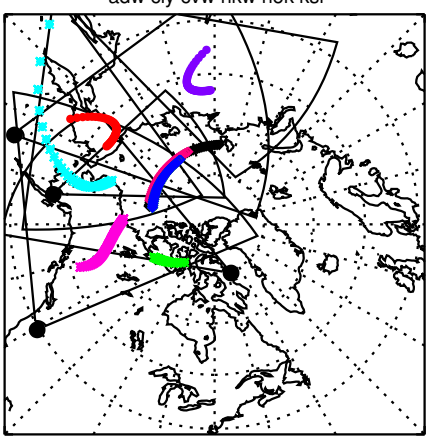


bpk dce sps unw

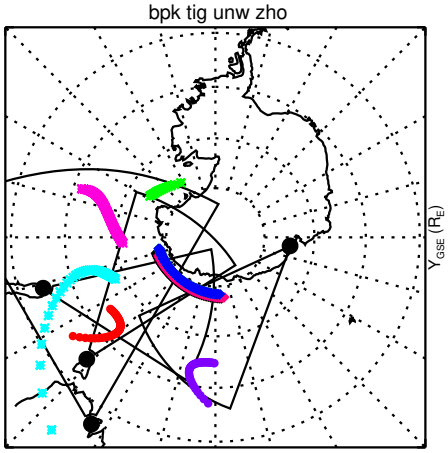


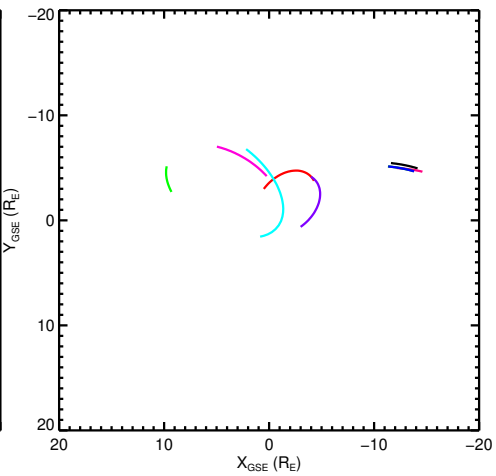



(e) 1535UT to 1935UT
adw cly cvw hkw hok ksr

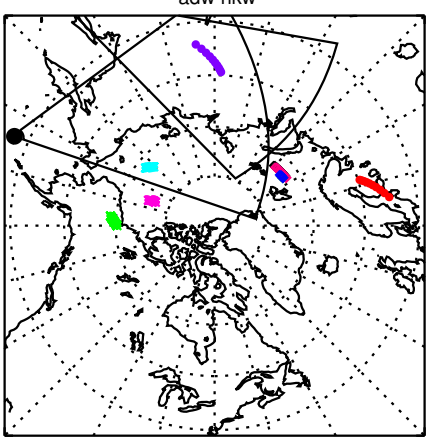


bpk tig unw zho

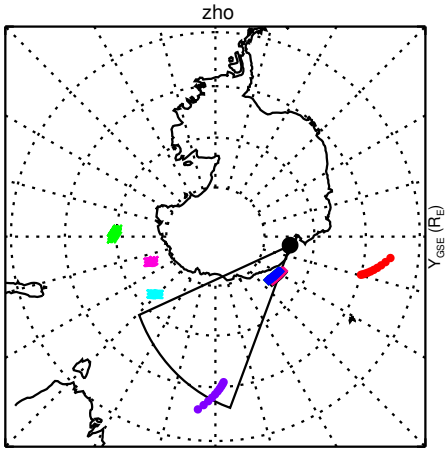


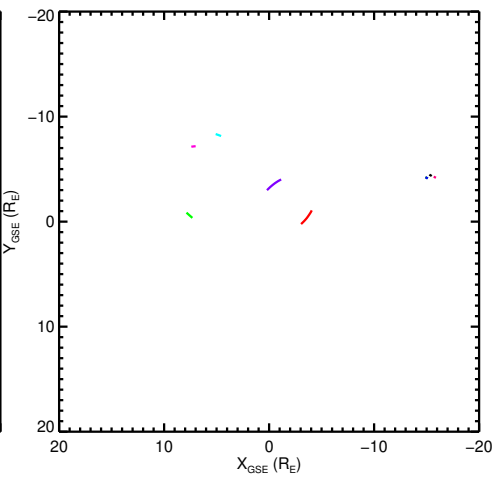



(f) 2145UT to 2230UT
adw hkw



zho

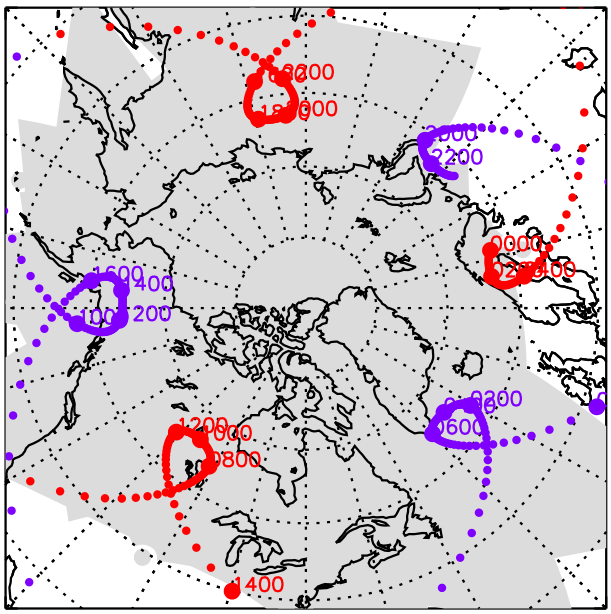


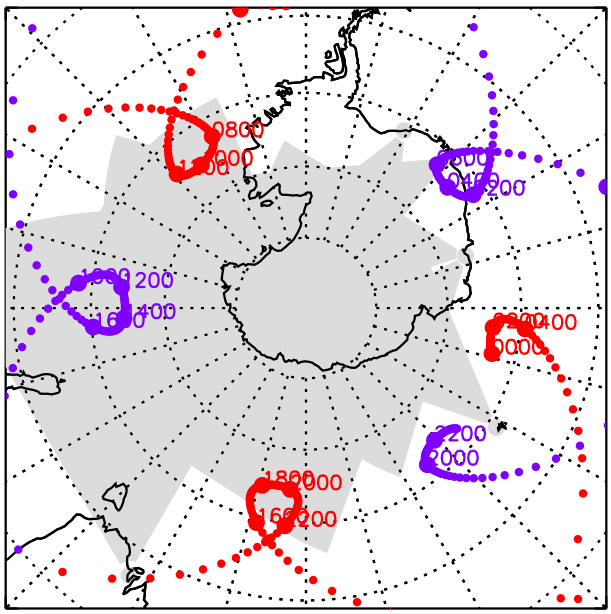


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

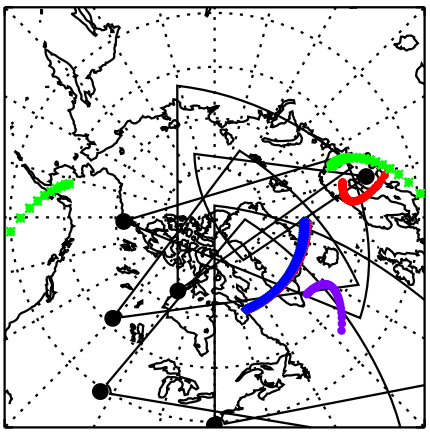
23–Aug–2016

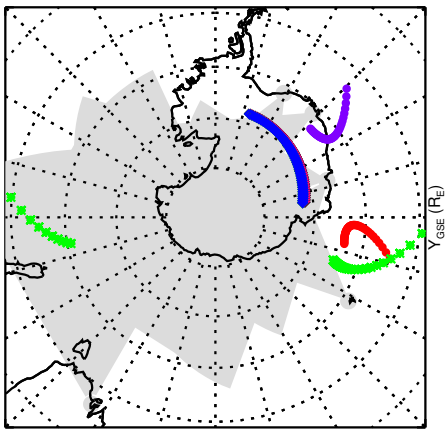
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

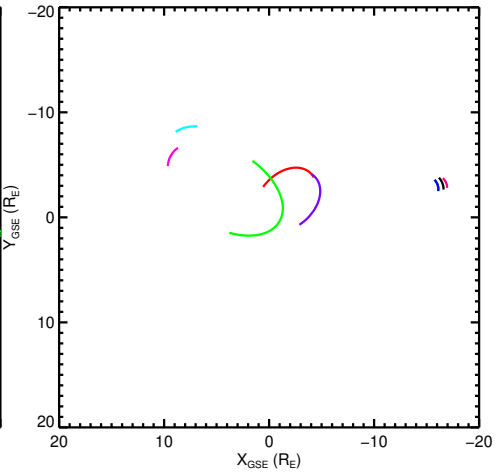




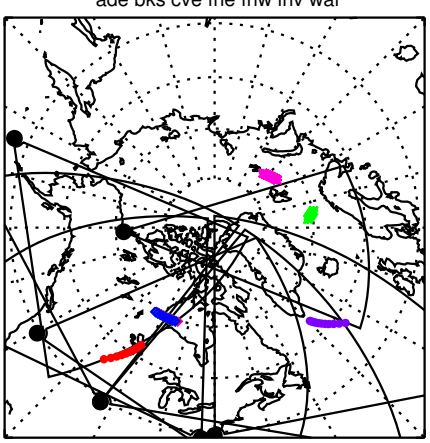
(a) 0035UT to 0435UT
fhe han inv rkn sas wal



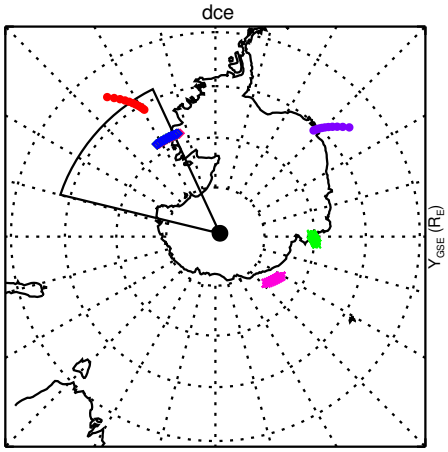


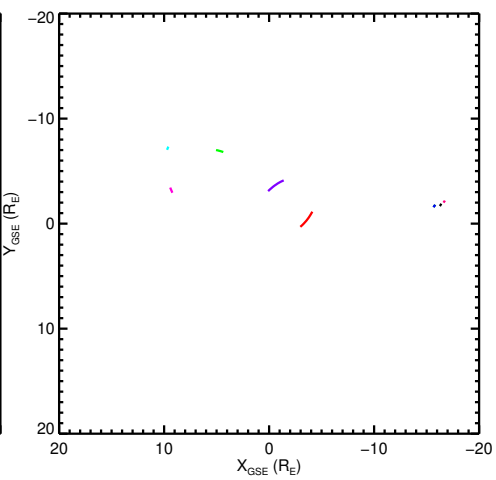



(b) 0640UT to 0730UT
ade bks cve fhe fhw inv wal

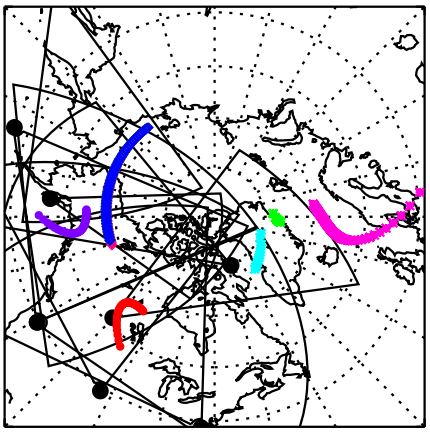


dce

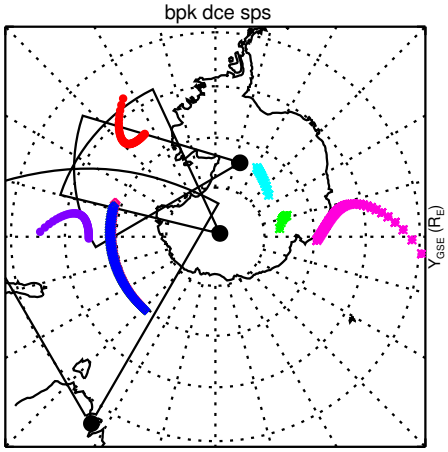


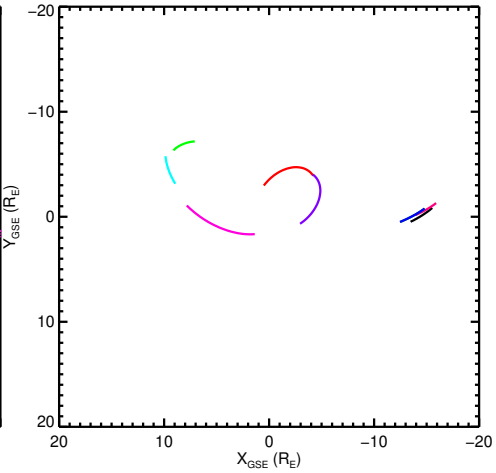


(c) 0940UT to 1330UT
ade bks cly cve cvw fhw hok kod sas

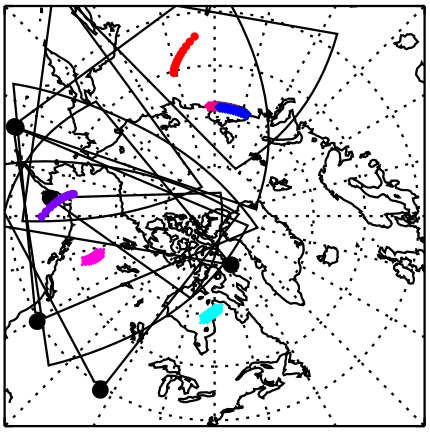


bpk dce sps

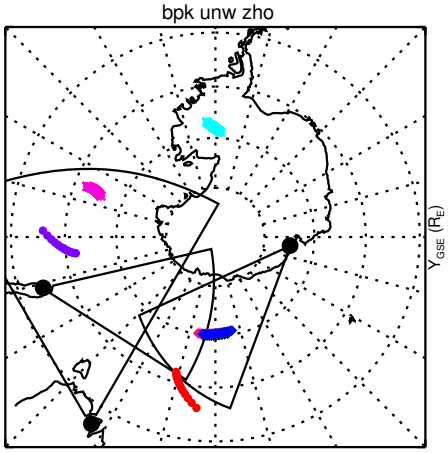


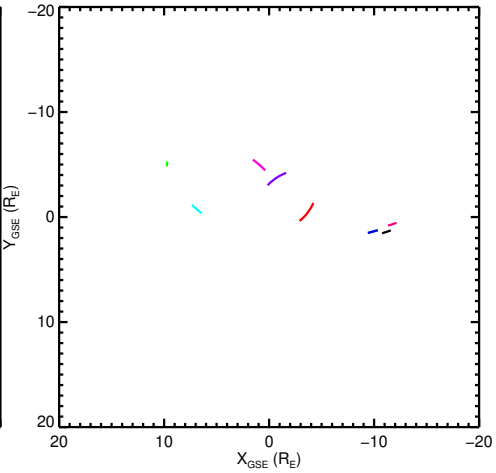



(d) 1535UT to 1635UT
ade adw cly cvw fhw hkw hok kod

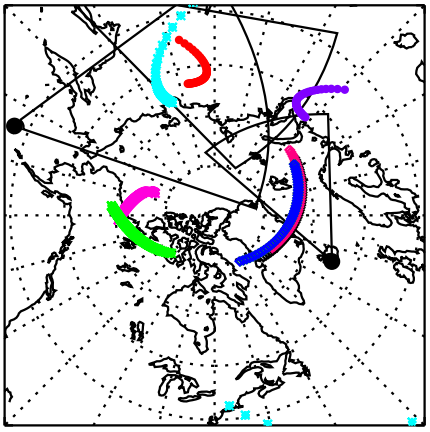


bpk unw zho

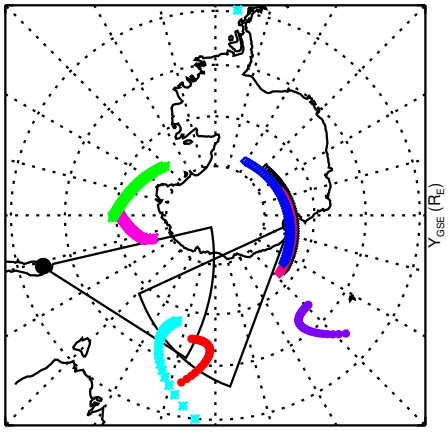


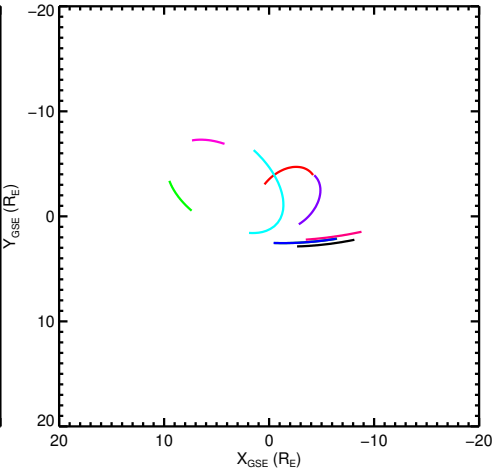



(e) 1840UT to 2225UT
adw hkw pyk



unw zho

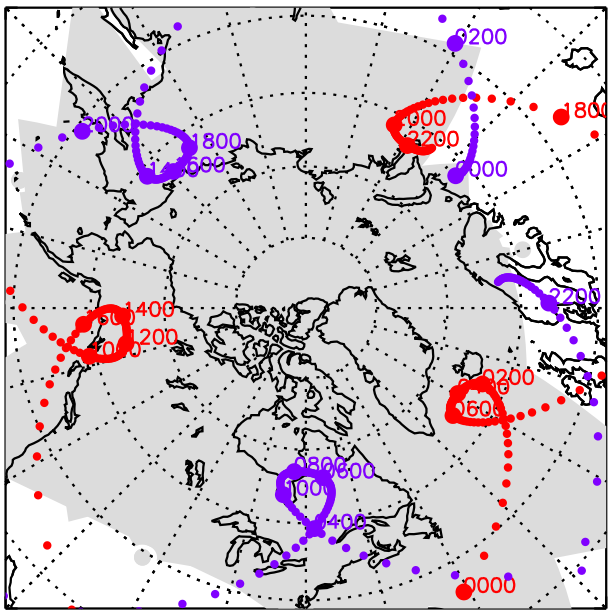


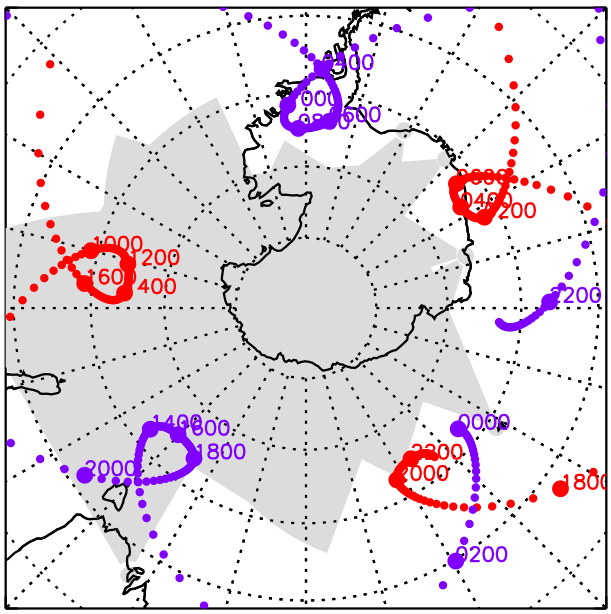


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

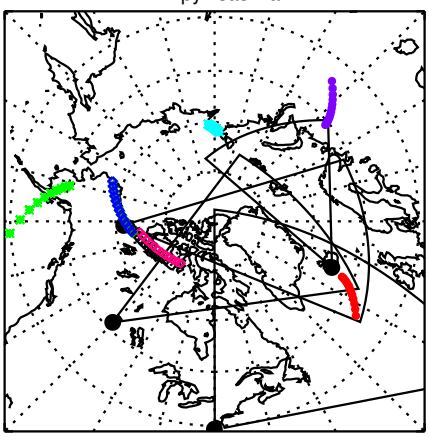
24–Aug–2016

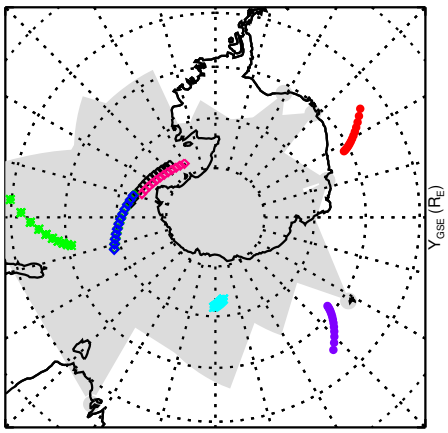
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

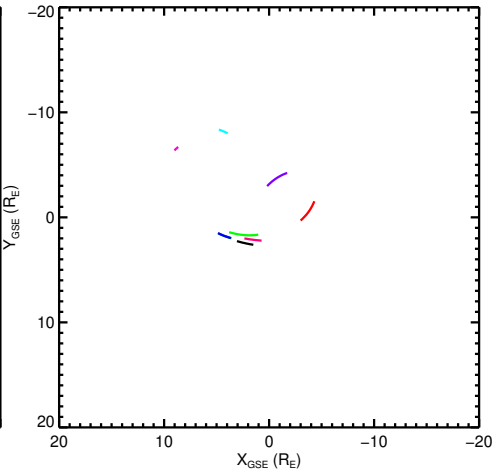


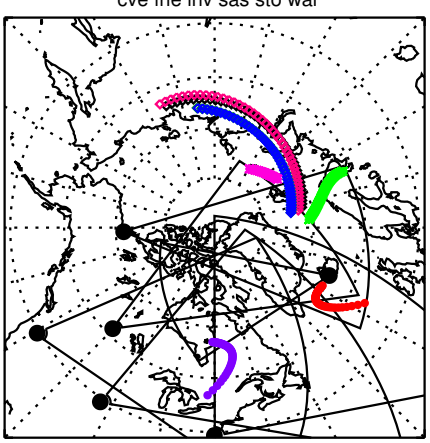

(a) 0035UT to 0140UT
inv pyk sas wal

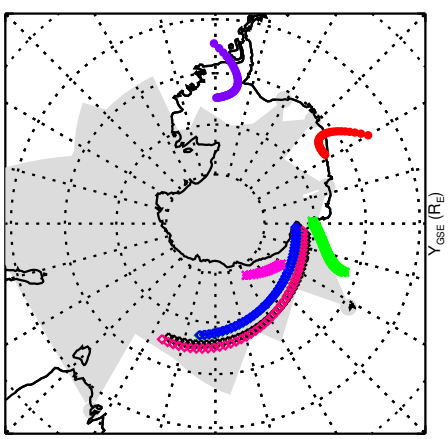


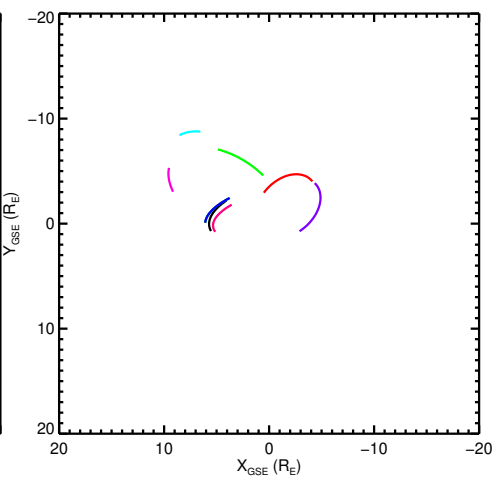




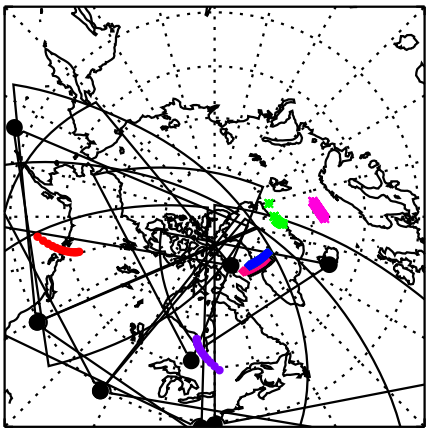

(b) 0345UT to 0725UT
cve fhe inv sas sto wal



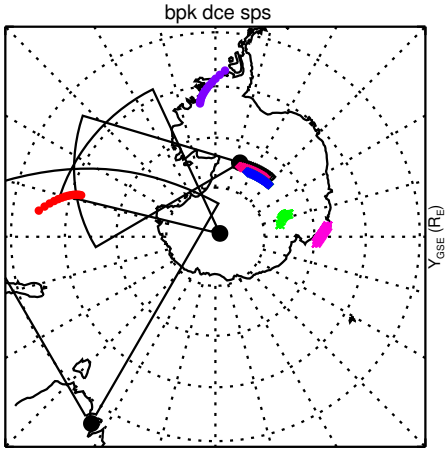


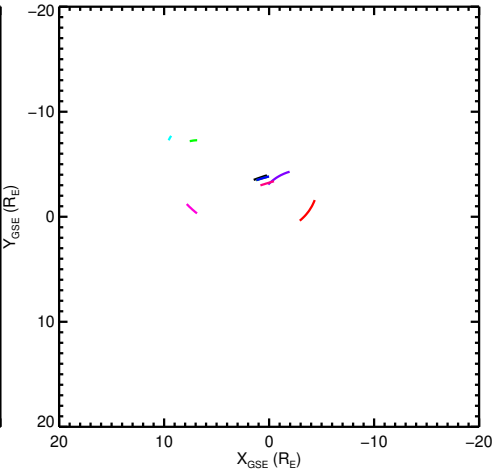


(c) 0930UT to 1040UT
ade bks cly cve cvw fhe fhw kap sto wal

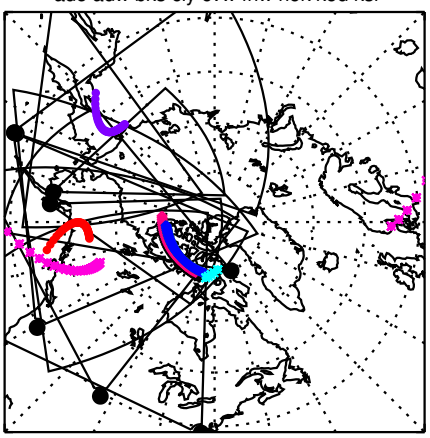


bpk dce sps

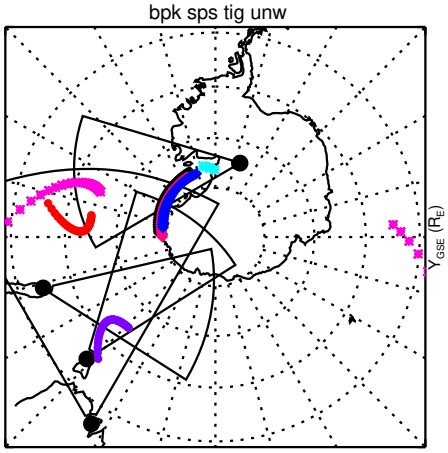


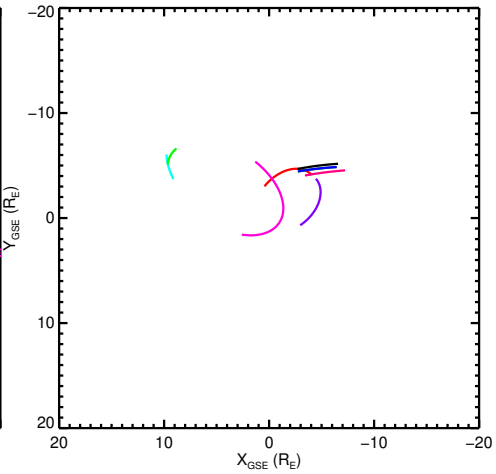



(d) 1250UT to 1620UT
ade adw bks cly cvw fhw hok kod ksr

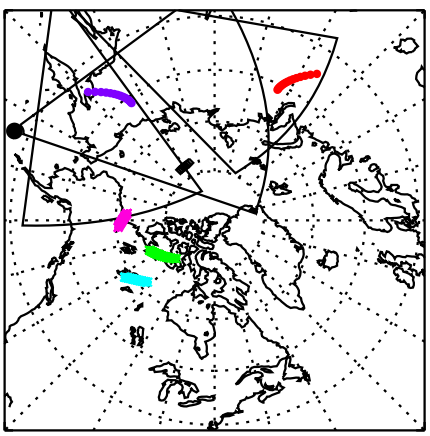


bpk sps tig unw

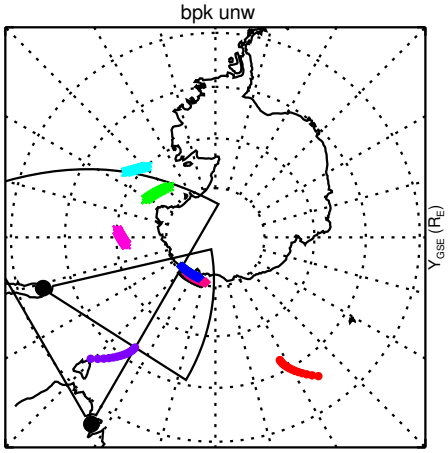


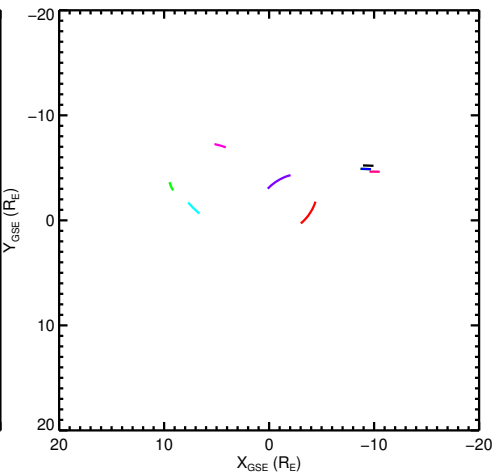



(e) 1830UT to 1945UT
adw hkw hok

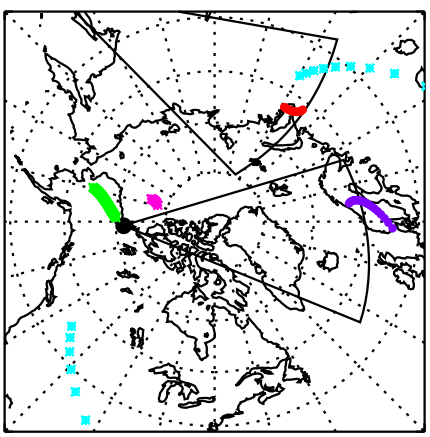


bpk unw

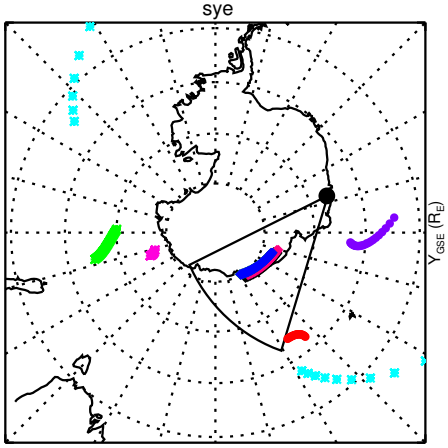


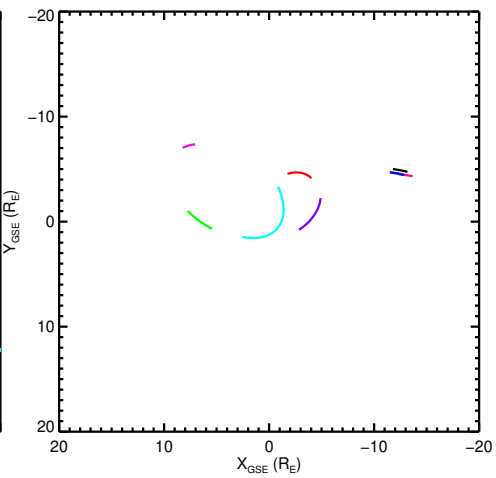



(f) 2150UT to 2355UT
hkw inv



sye

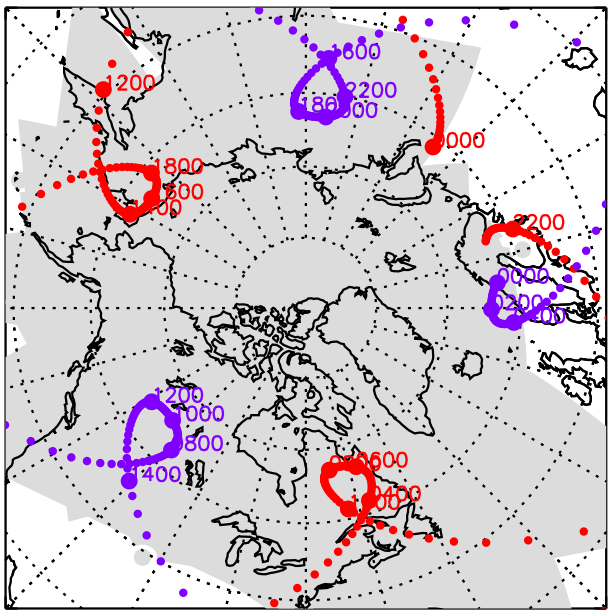


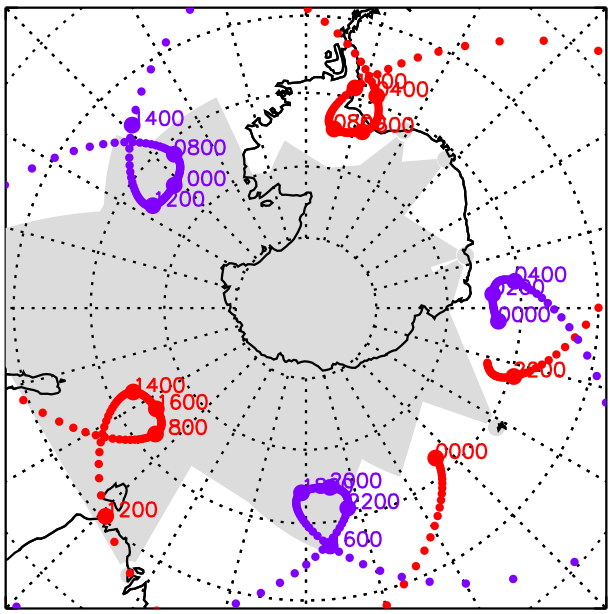


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

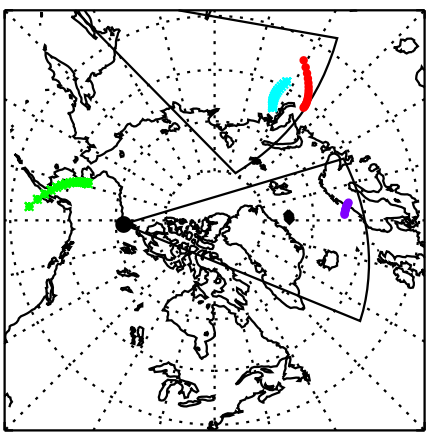
25–Aug–2016

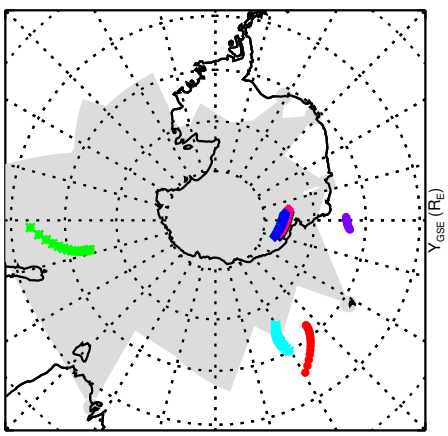
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

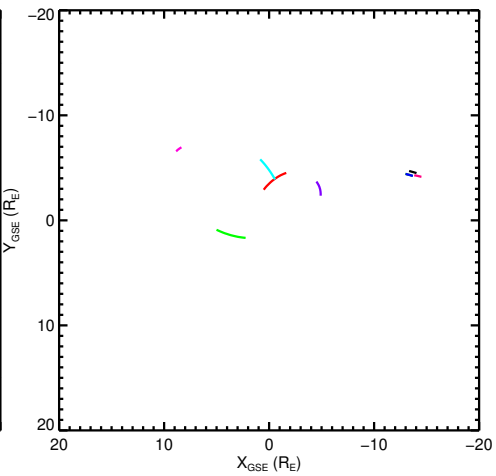




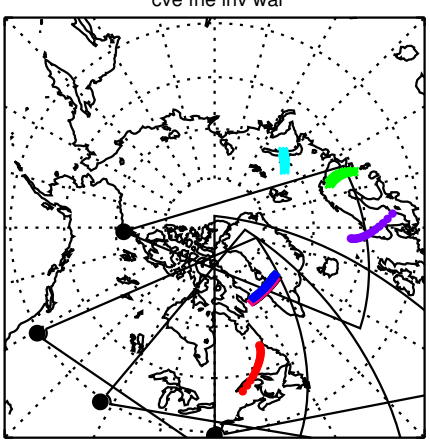
(a) 0000UT to 0120UT
hkw inv

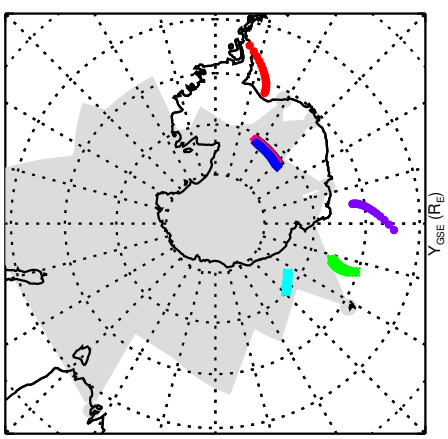


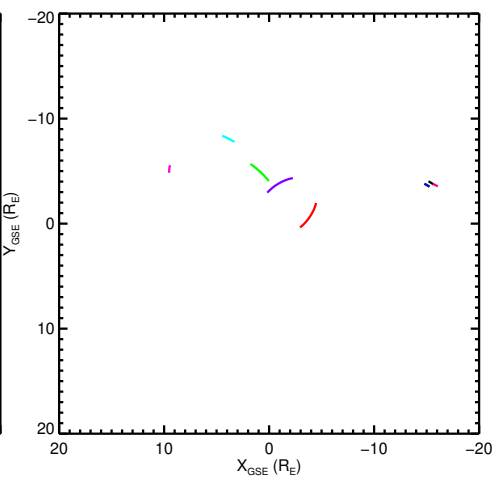




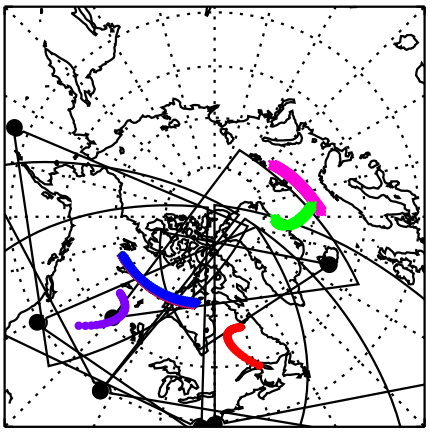

(b) 0325UT to 0450UT
cve fhe inv wal



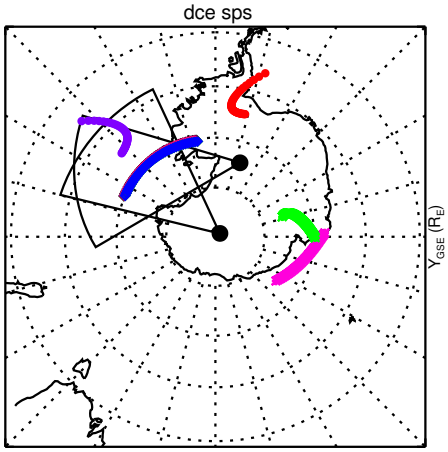


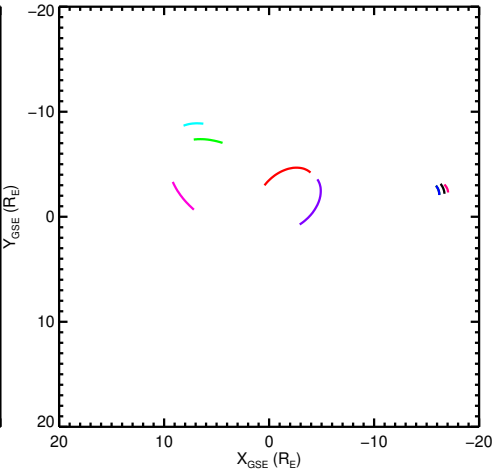


(c) 0655UT to 1015UT
ade bks cve fhe fhw sas sto wal

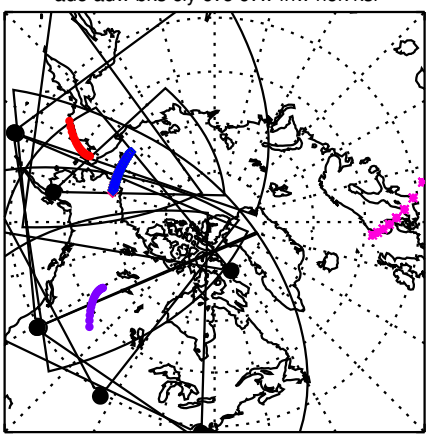


dce sps

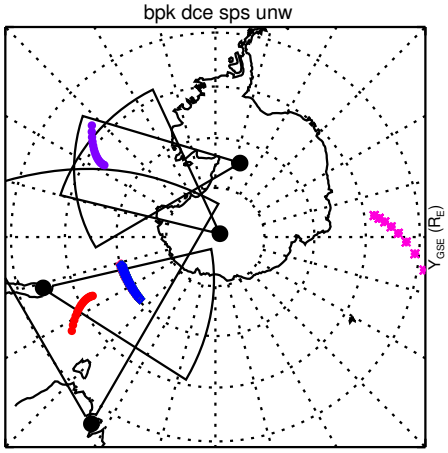


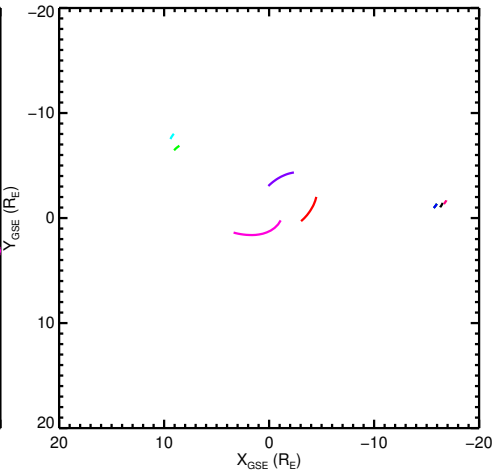



(d) 1225UT to 1350UT
ade adw bks cly cve cvw fhw hok ksr

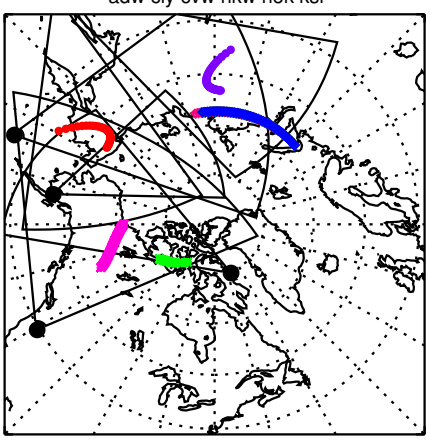


bpk dce sps unw

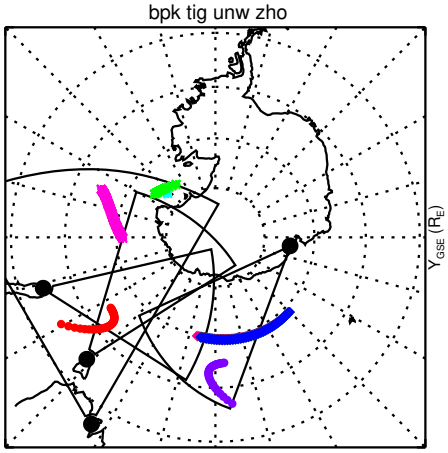


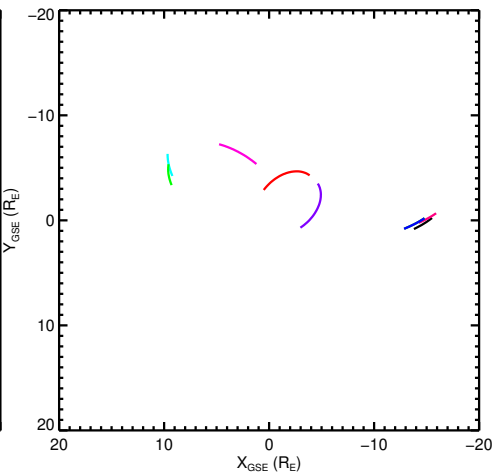



(e) 1600UT to 1915UT
adw cly cvw hkw hok ksr

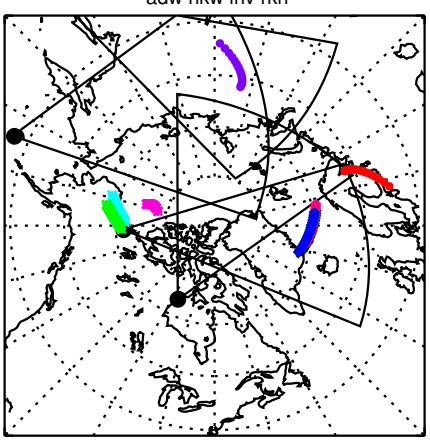


bpk tig unw zho

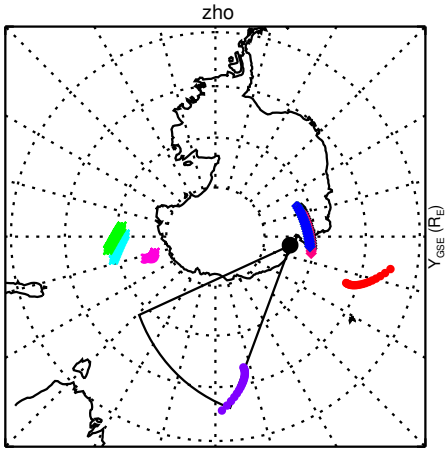


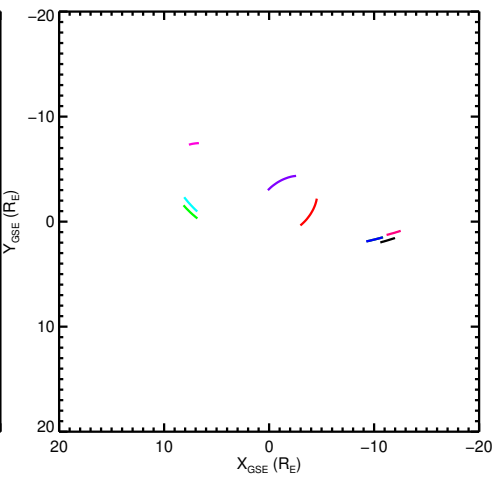



(f) 2120UT to 2255UT
adw hkw inv rkn



zho

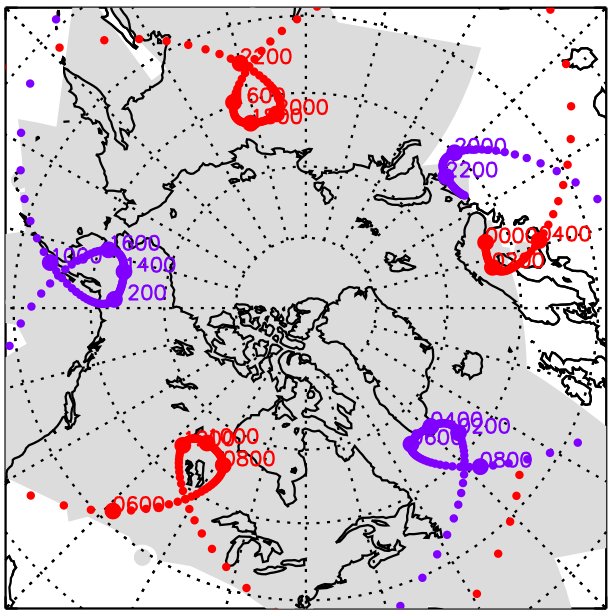


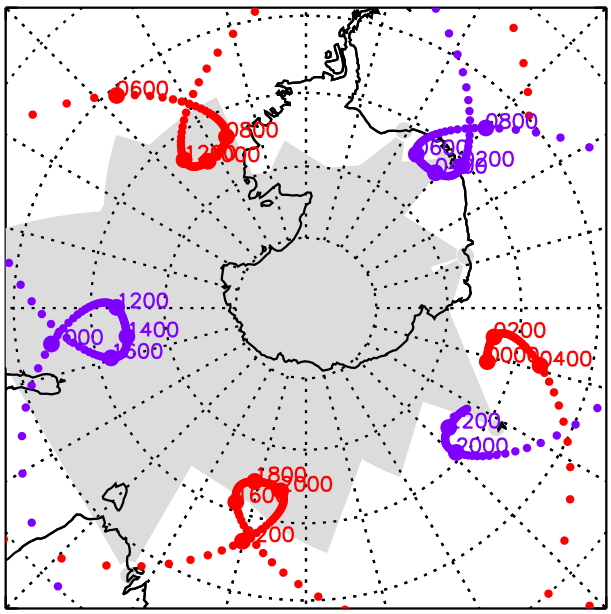


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

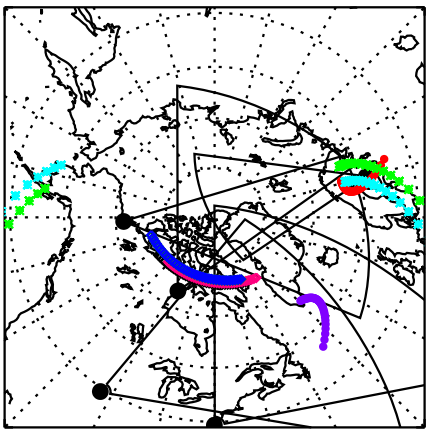
26–Aug–2016

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

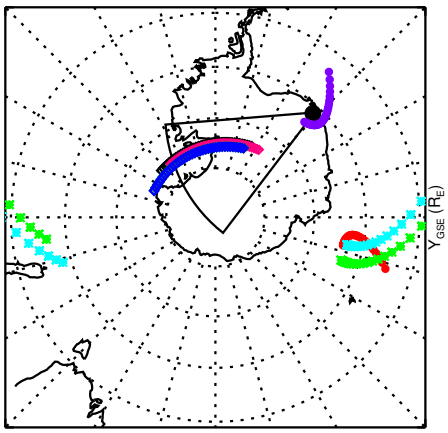


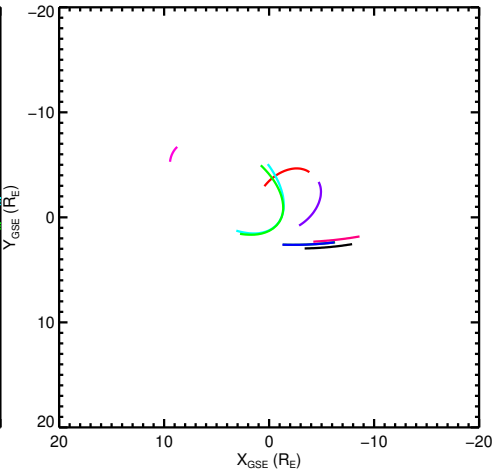


(a) 0100UT to 0410UT
fhe han inv rkn wal

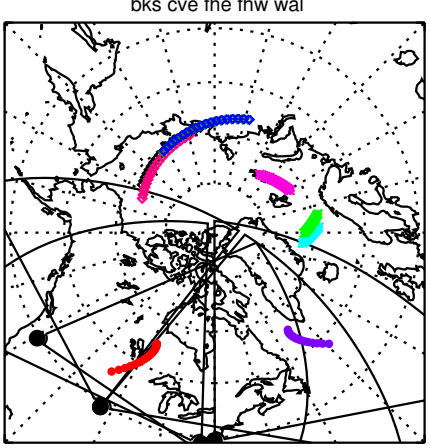


san

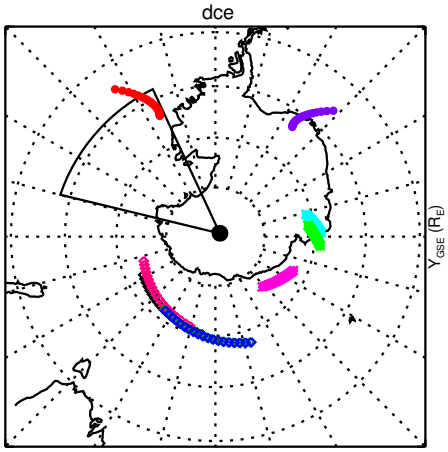


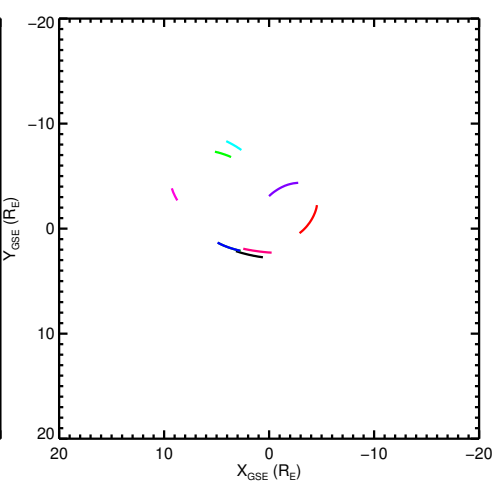



(b) 0615UT to 0755UT
bks cve fhe fhw wal

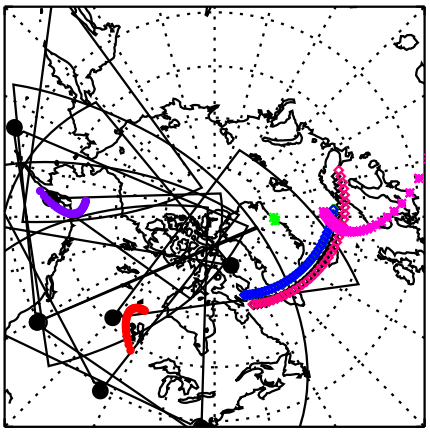


dce

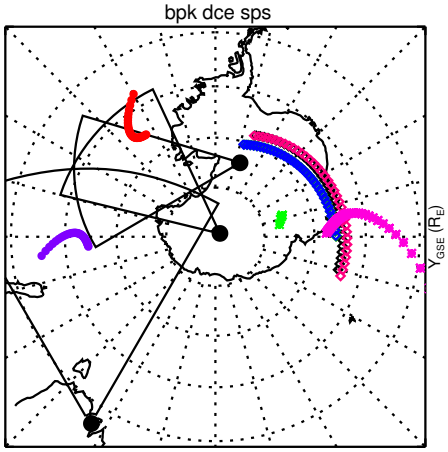


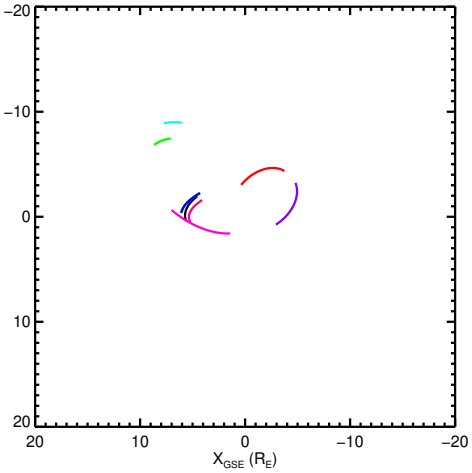


(c) 1005UT to 1305UT
ade bks cly cve cvw fhw hok kod sas

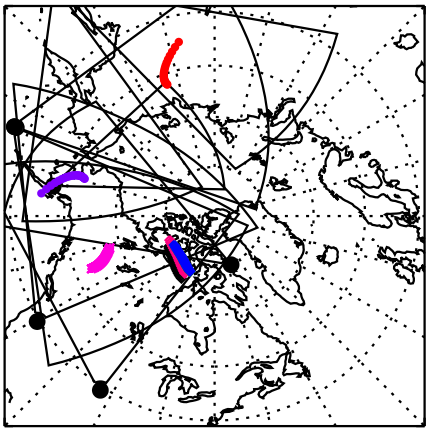


bpk dce sps

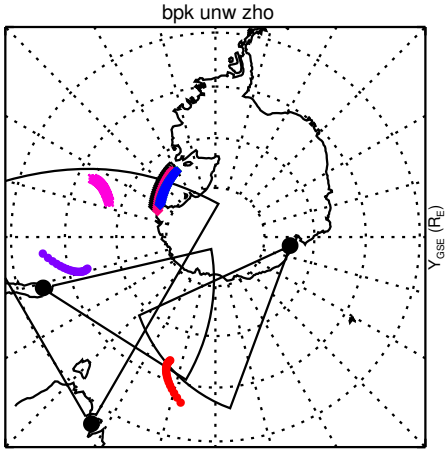


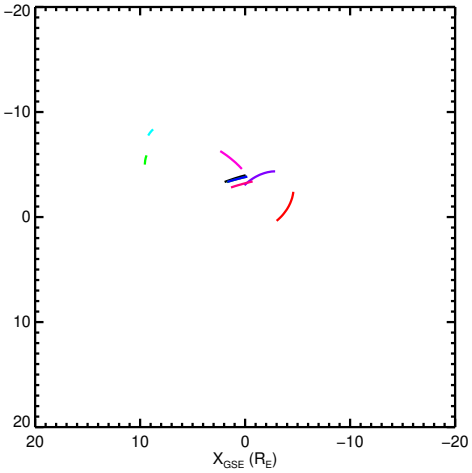



(d) 1515UT to 1700UT
ade adw cly cvw fhw hkw hok ksr

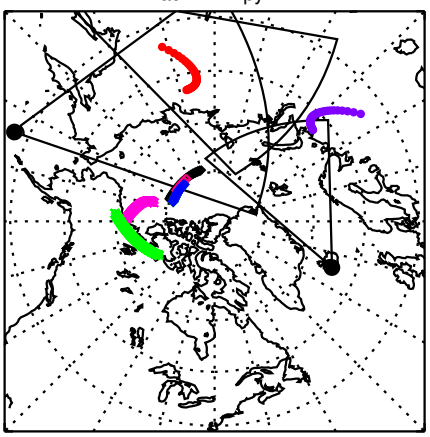


bpk unw zho

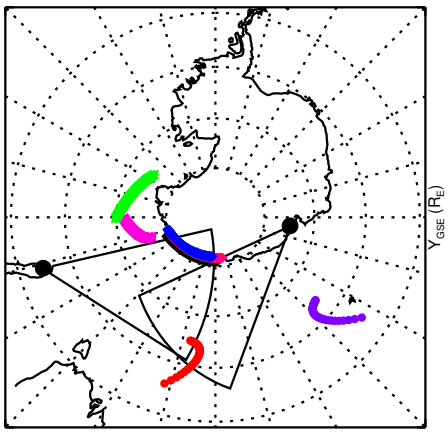


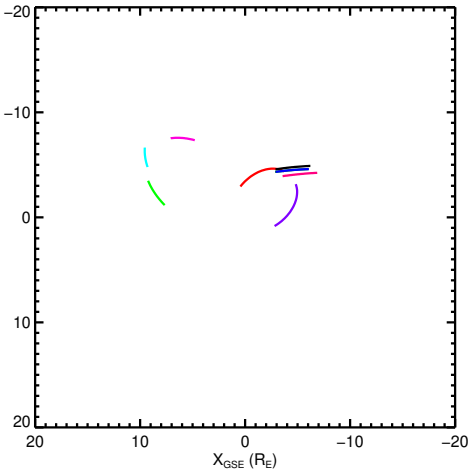



(e) 1905UT to 2205UT
adw hkw pyk



unw zho

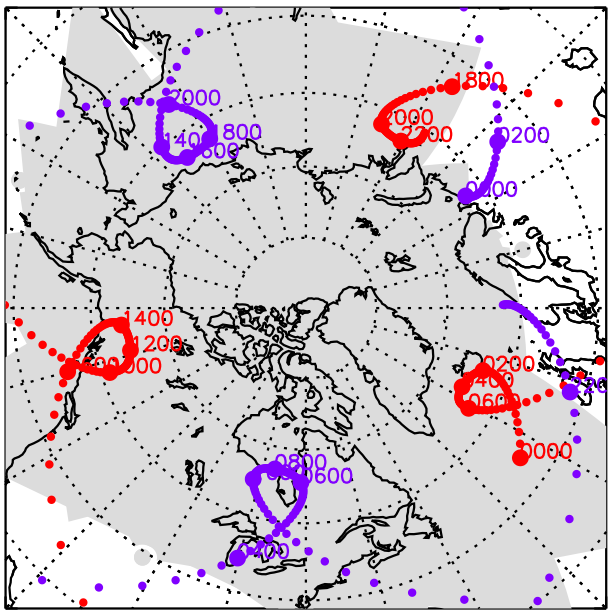


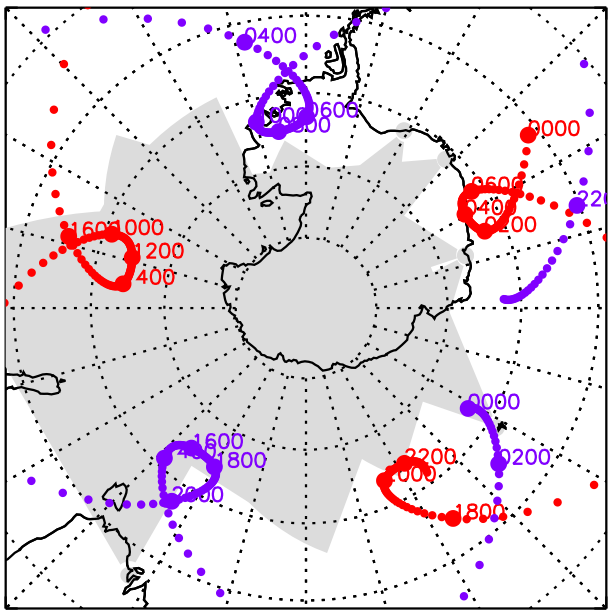


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

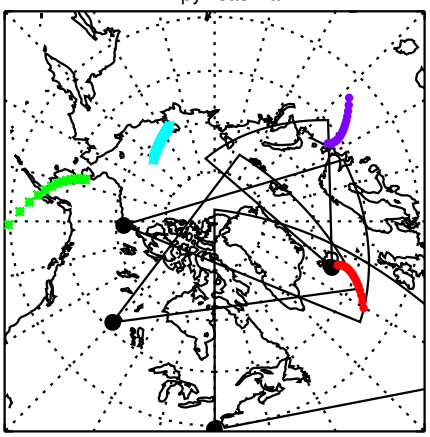
27−Aug−2016

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

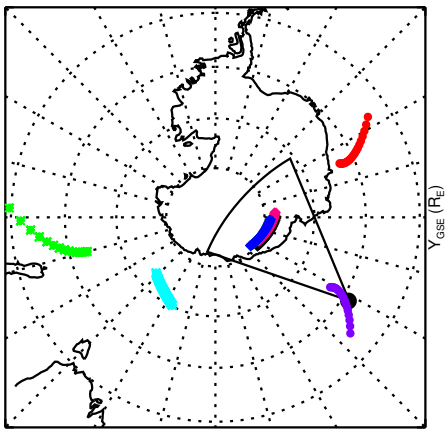


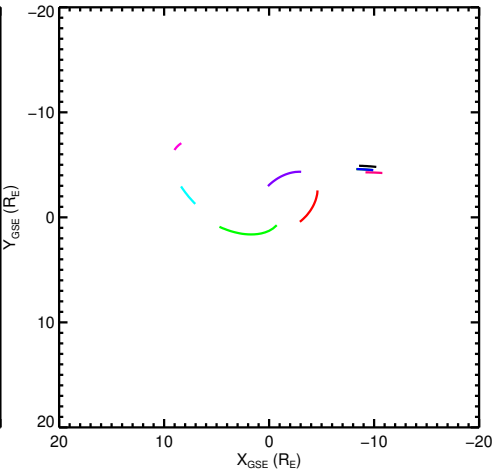


(a) 0010UT to 0205UT
inv pyk sas wal

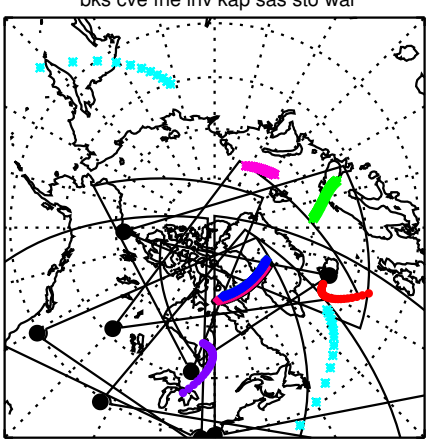


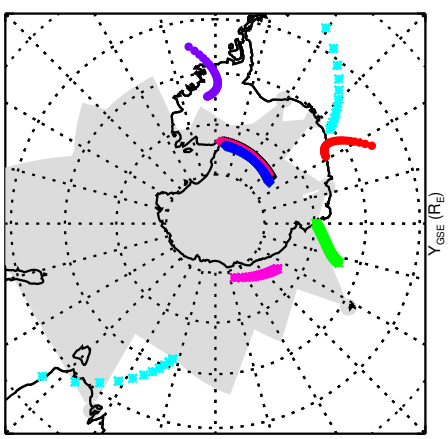
ker

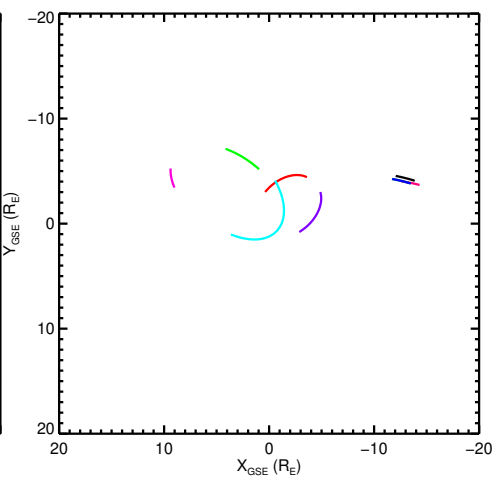




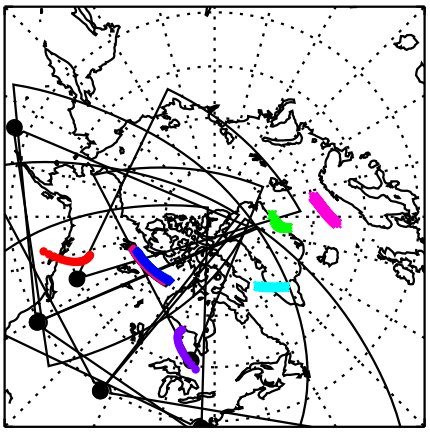

(b) 0410UT to 0700UT
bks cve fhe inv kap sas sto wal



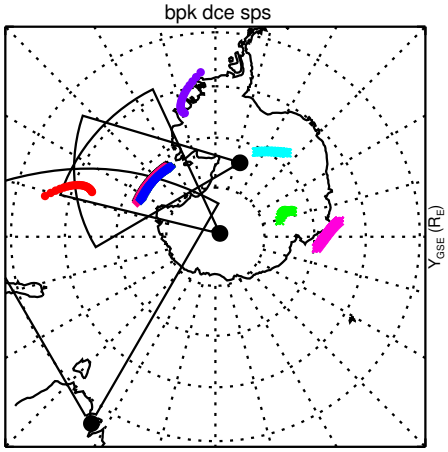


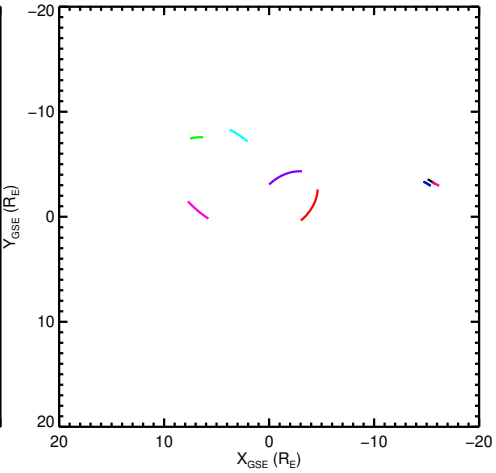


(c) 0910UT to 1105UT
ade bks cve cvw fhe fhw kap pgr

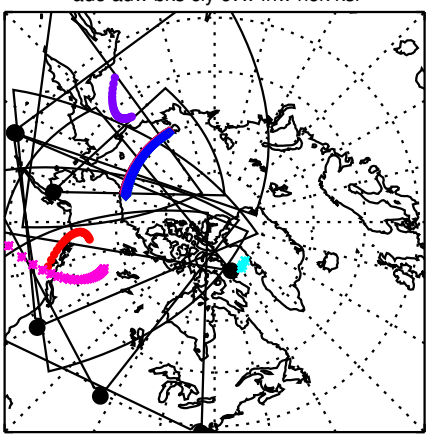


bpk dce sps

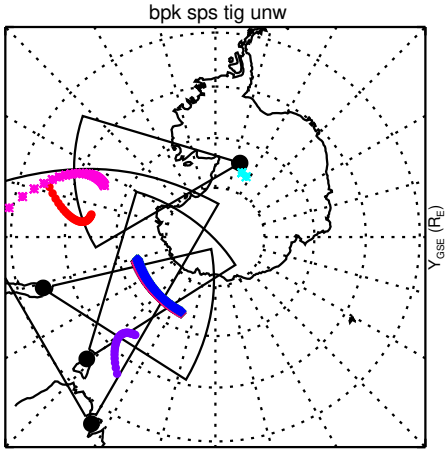


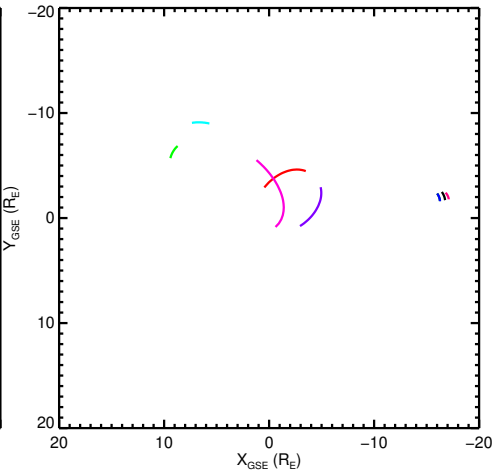



(d) 1315UT to 1600UT
ade adw bks cly cvw fhw hok ksr

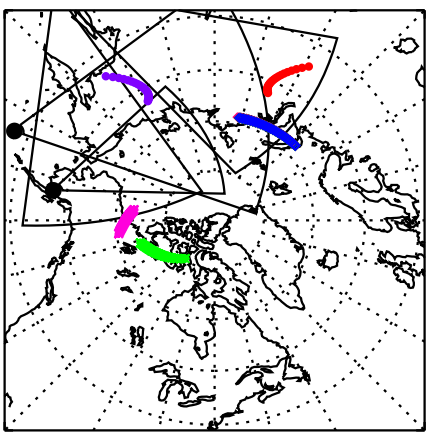


bpk sps tig unw

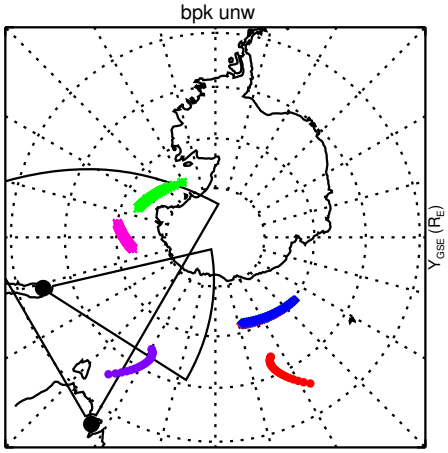


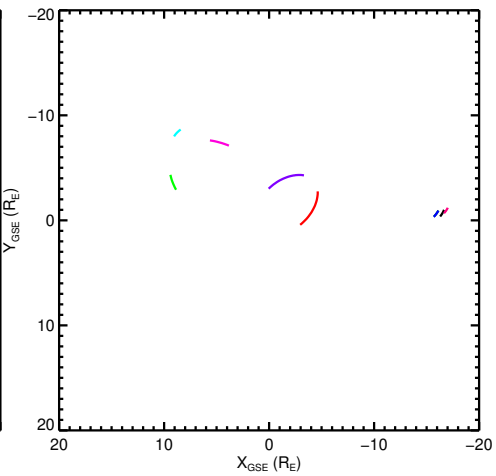



(e) 1805UT to 2010UT
adw hkw hok ksr

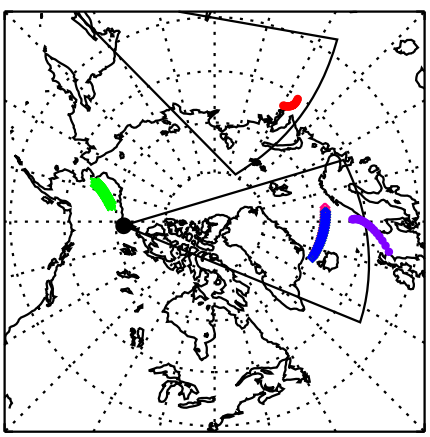


bpk unw

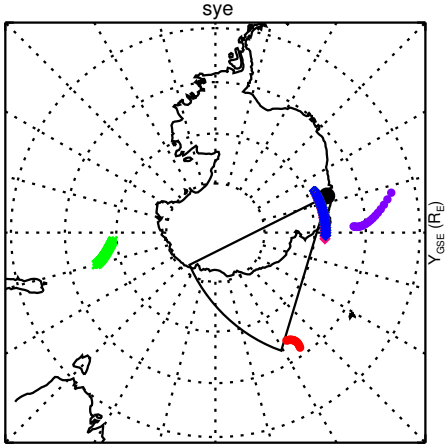


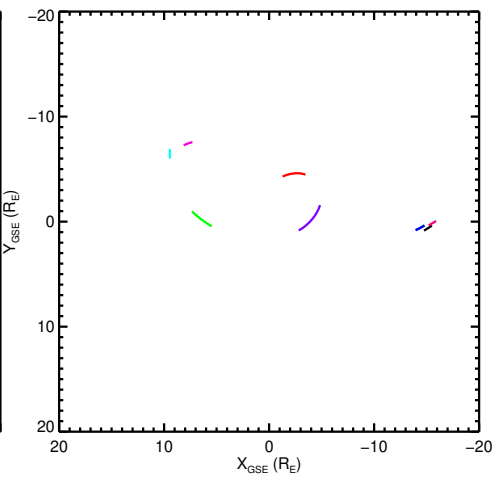



(f) 2215UT to 2355UT
hkw inv



sye

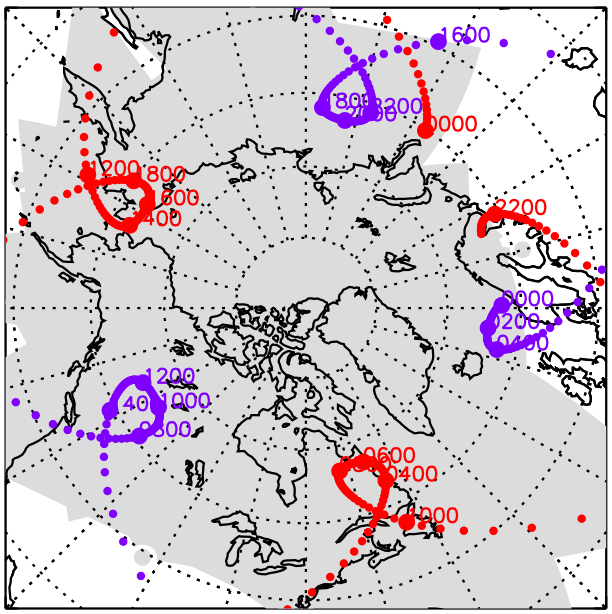


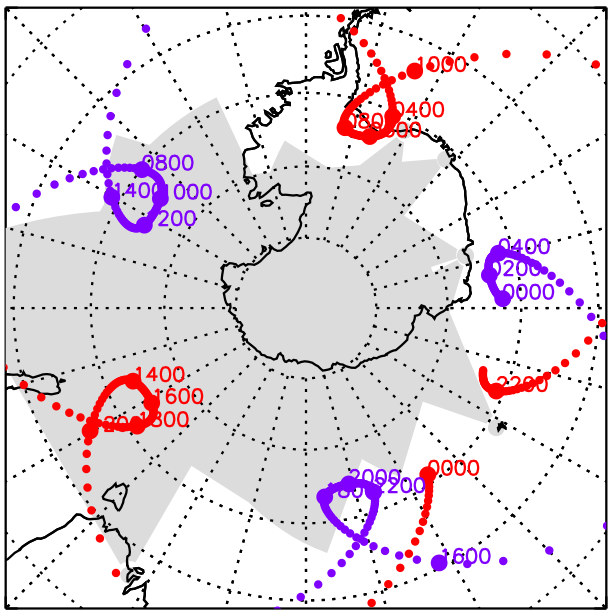


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

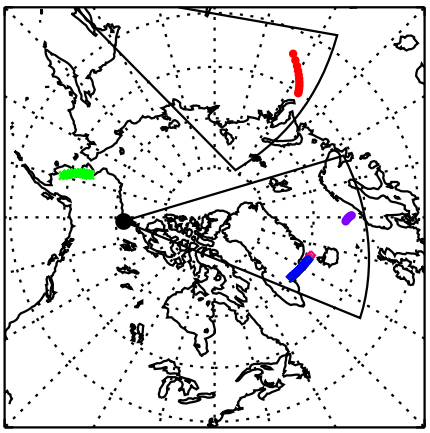
28–Aug–2016

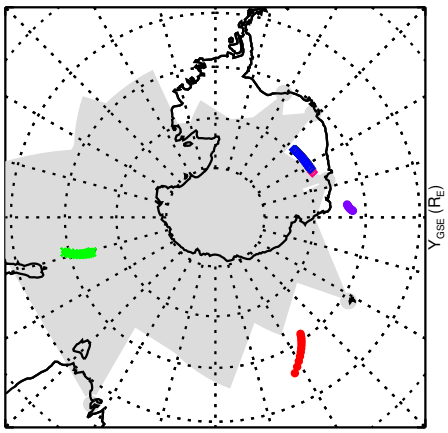
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

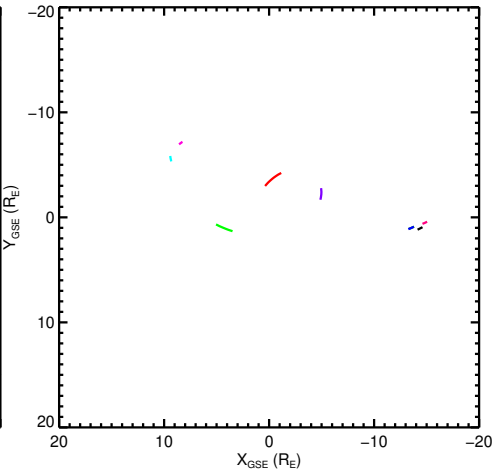




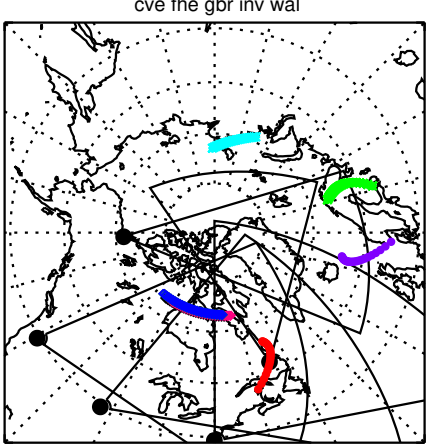
(a) 0000UT to 0055UT
hkw inv

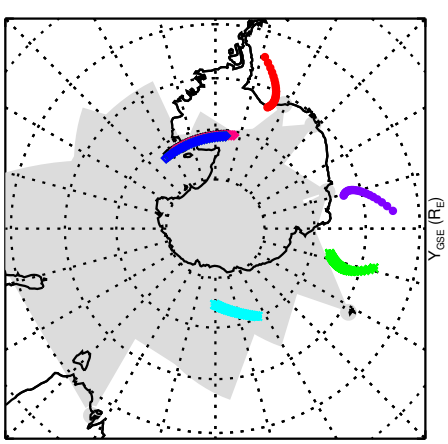


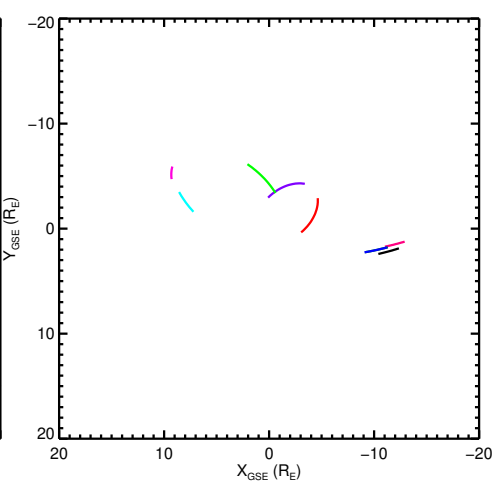




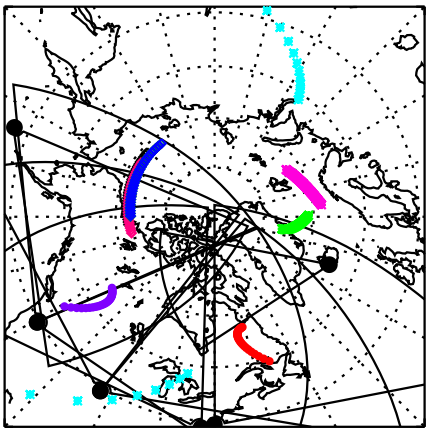

(b) 0305UT to 0515UT
cve fhe gbr inv wal



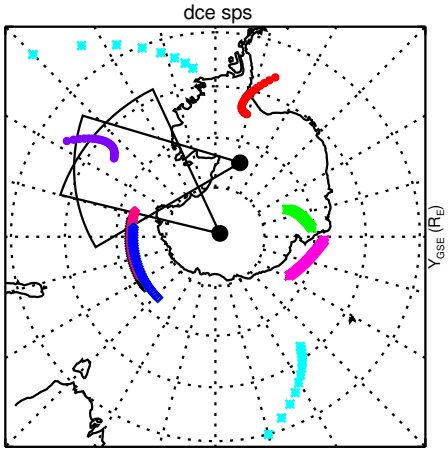


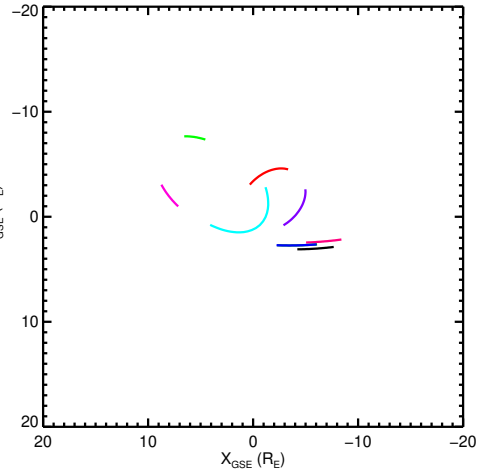


(c) 0720UT to 0950UT
ade bks cve cvw fhe fhw sto wal

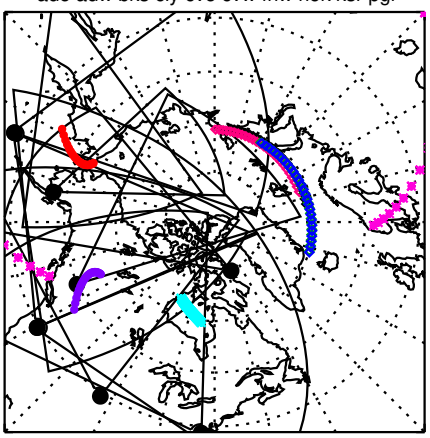


dce sps

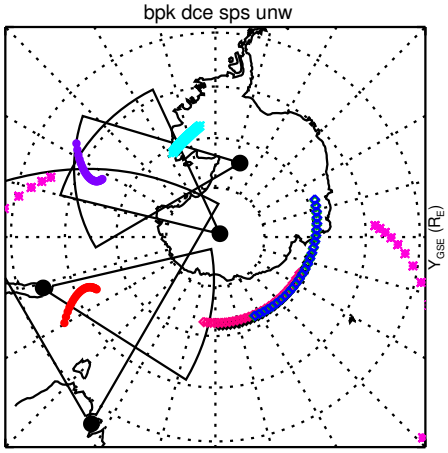


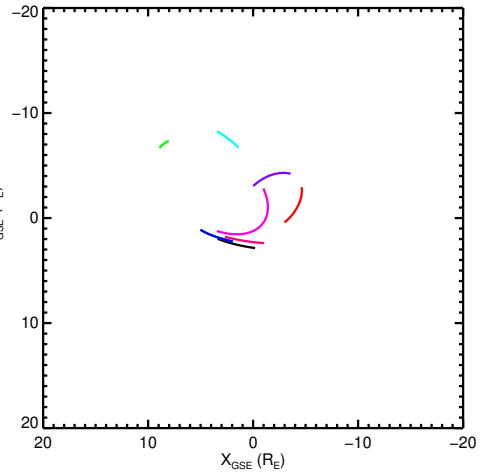



(d) 1200UT to 1415UT
ade adw bks cly cve cvw fhw hok ksr pgr

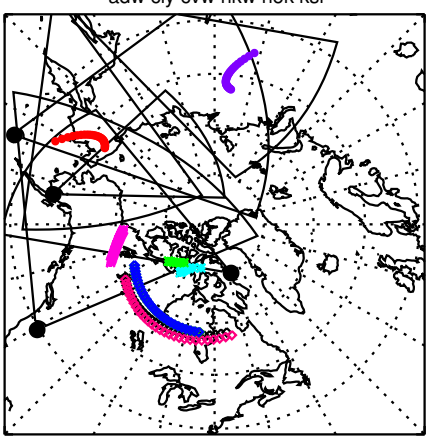


bpk dce sps unw

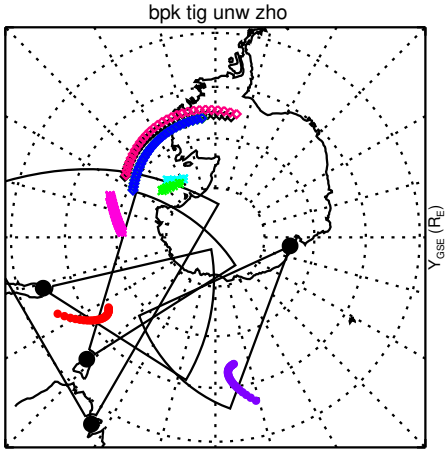


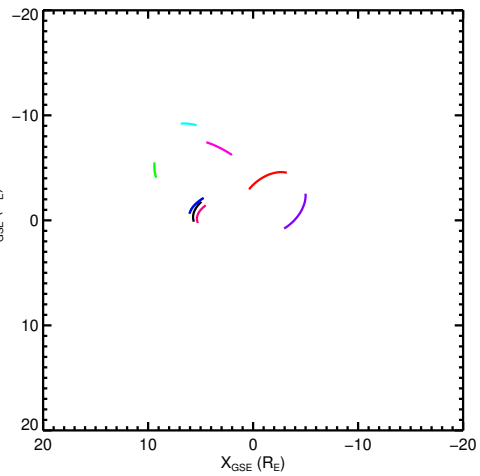



(e) 1625UT to 1850UT
adw cly cvw hkw hok ksr

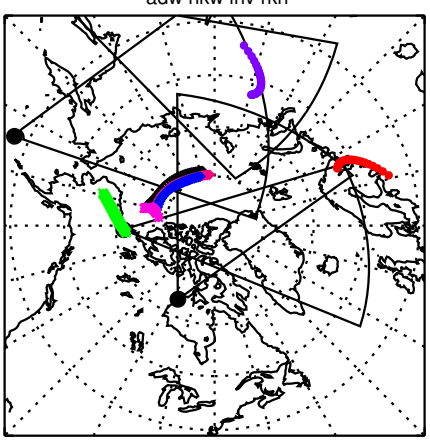


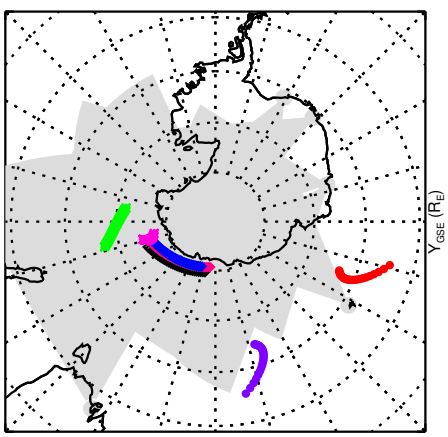
bpk tig unw zho

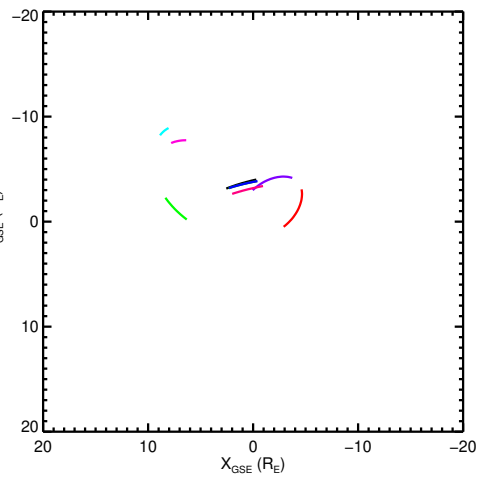





(f) 2055UT to 2320UT
adw hkw inv rkn



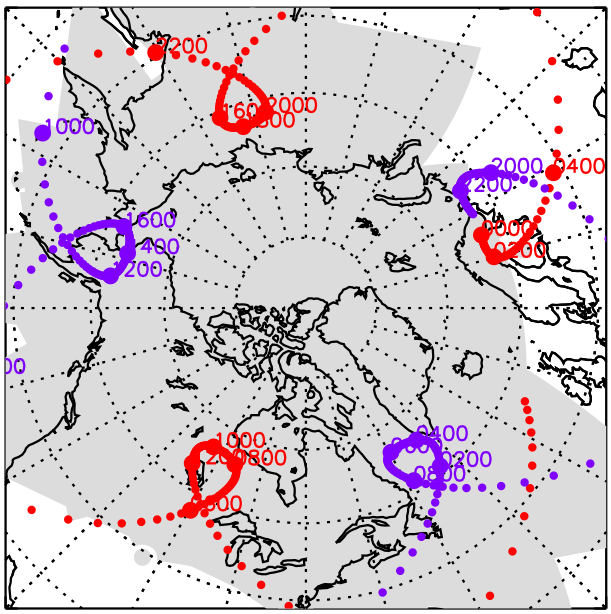


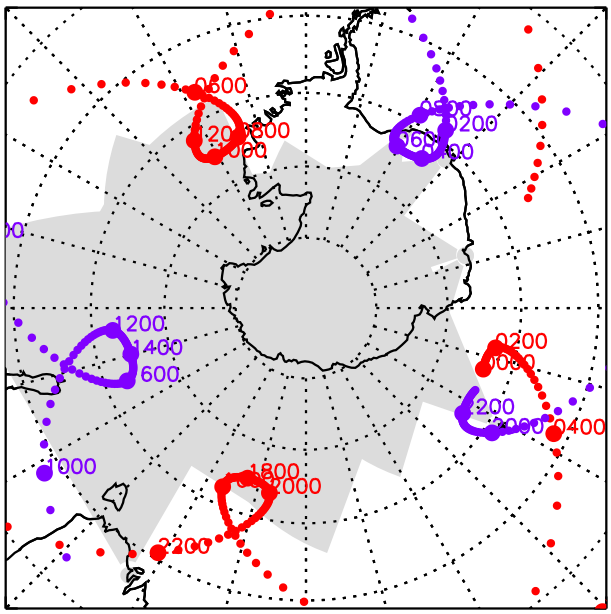


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

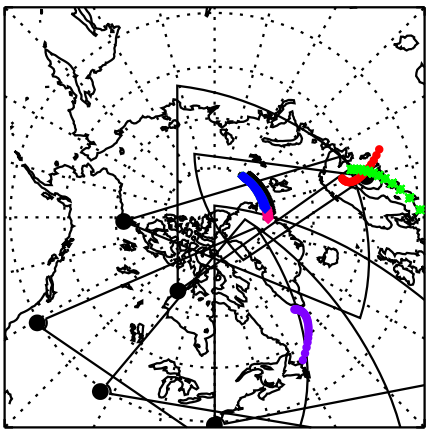
29–Aug–2016

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

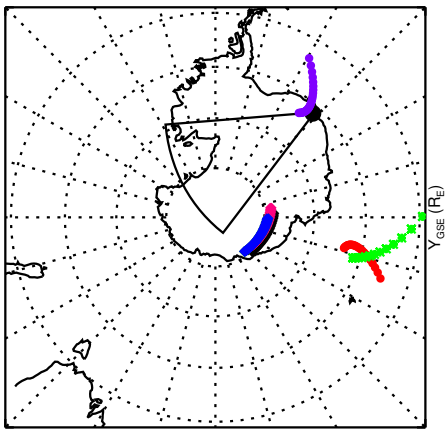


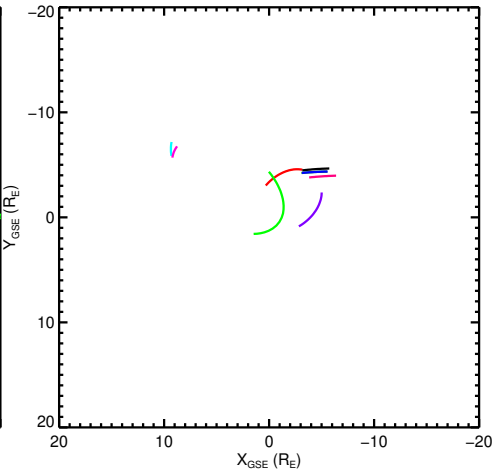


(a) 0125UT to 0345UT
cve fhe han inv rkn wal

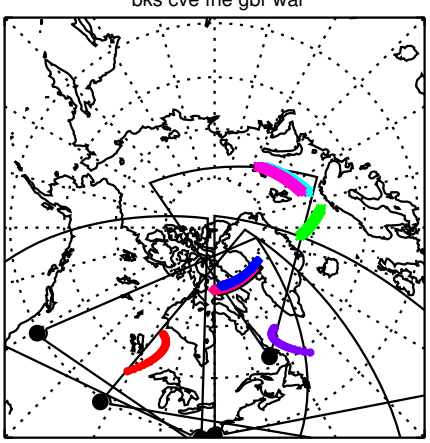


san

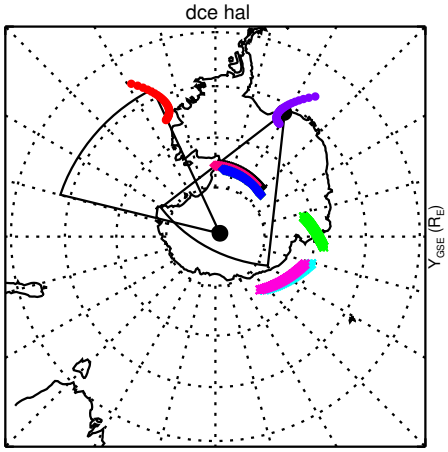


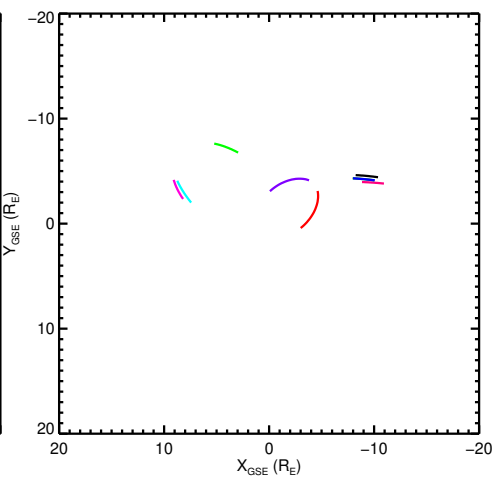



(b) 0555UT to 0820UT
bks cve fhe gbr wal

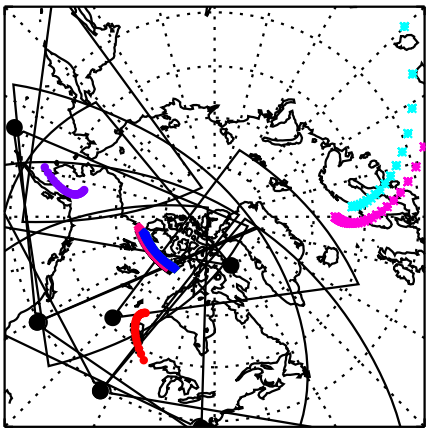


dce hal

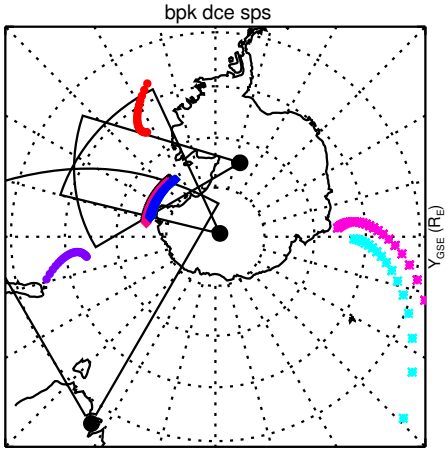


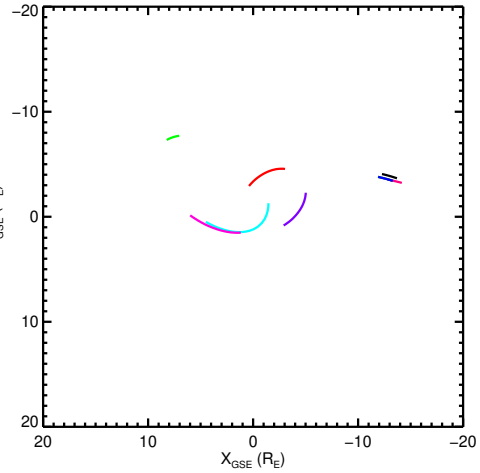


(c) 1030UT to 1245UT
ade bks cly cve cvw fhe fhw hok sas

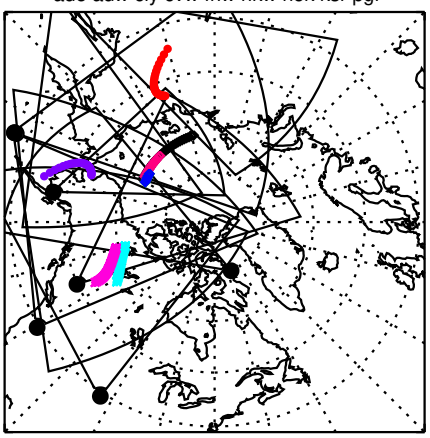


bpk dce sps

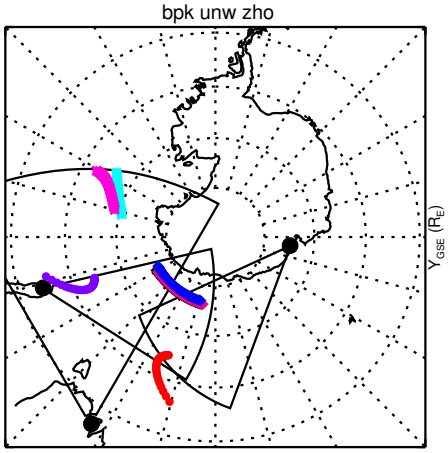


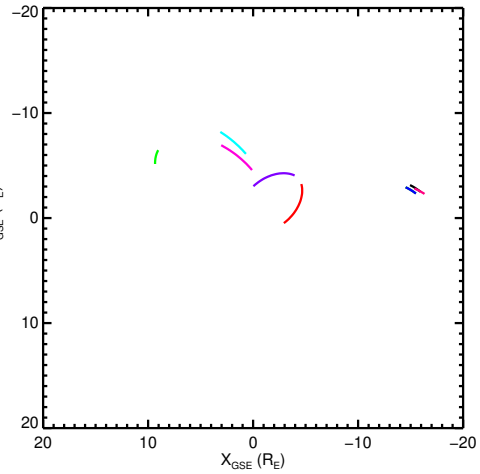



(d) 1450UT to 1725UT
ade adw cly cvw fhw hkw hok ksr pgr

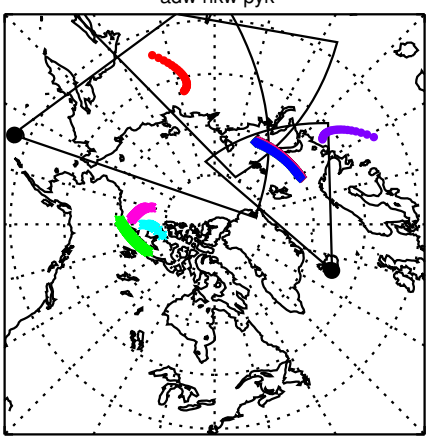


bpk unw zho

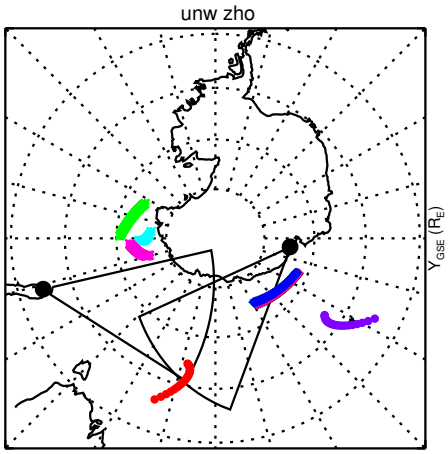


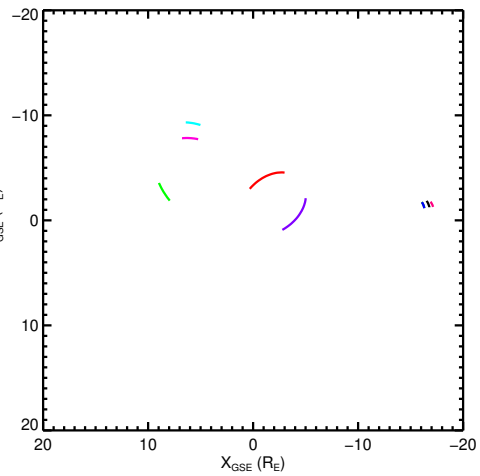



(e) 1930UT to 2140UT
adw hkw pyk

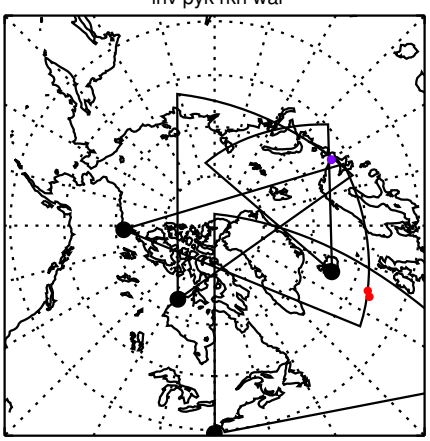


unw zho

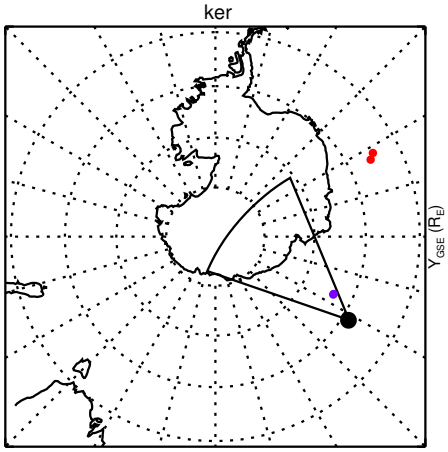


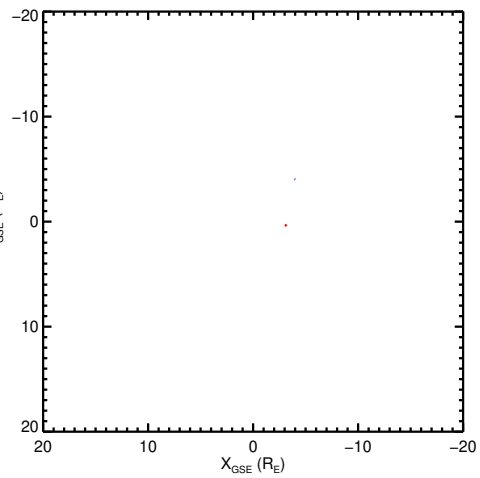



(f) 2350UT to 2355UT
inv pyk rkn wal



ker

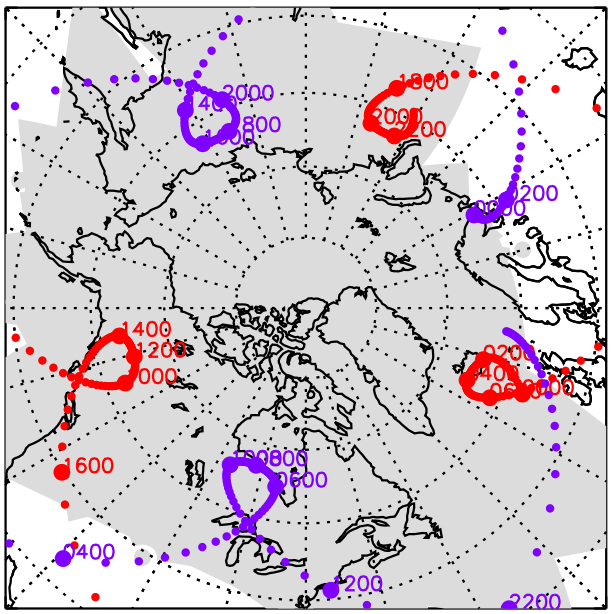


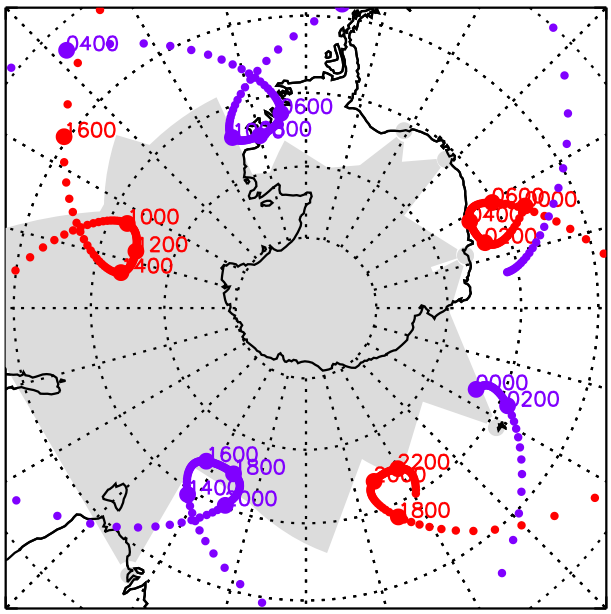


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

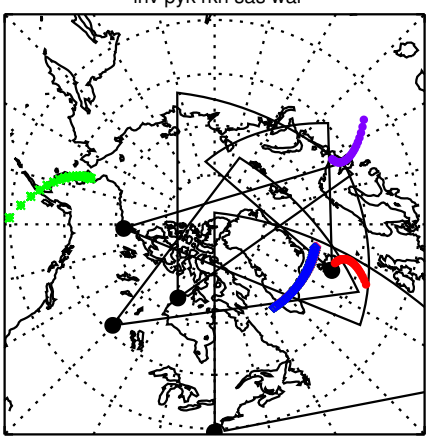
30–Aug–2016

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

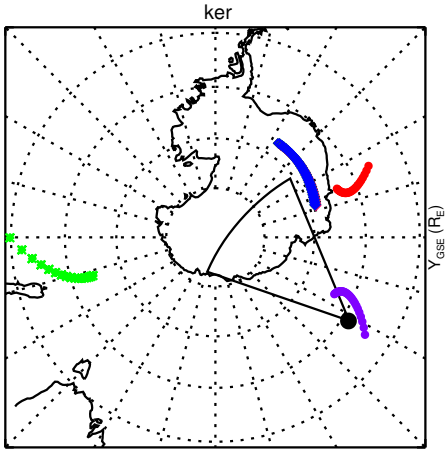


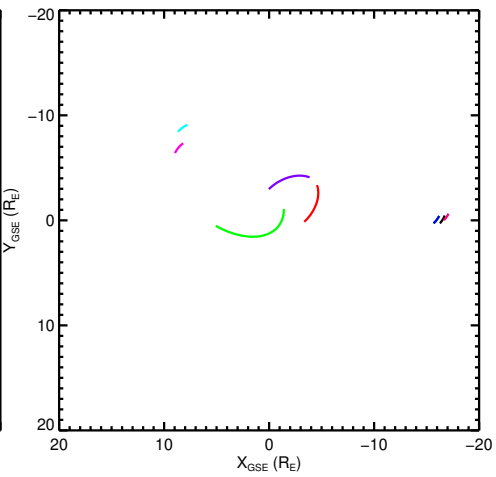


(a) 0000UT to 0230UT
inv pyk rkn sas wal

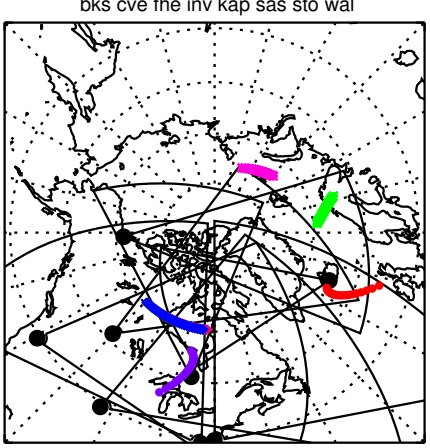


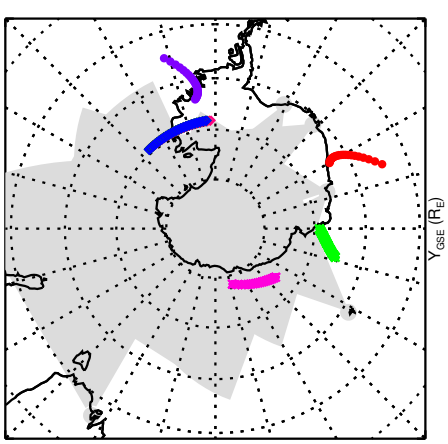
ker

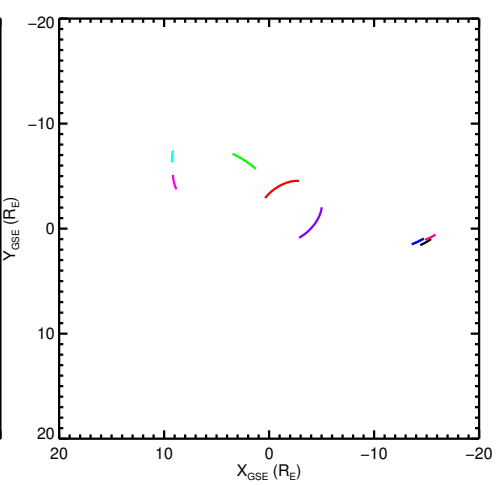




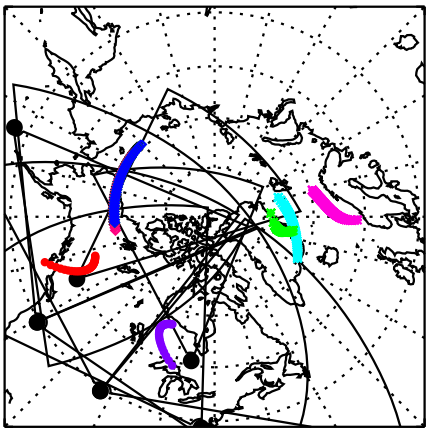

(b) 0435UT to 0640UT
bks cve fhe inv kap sas sto wal



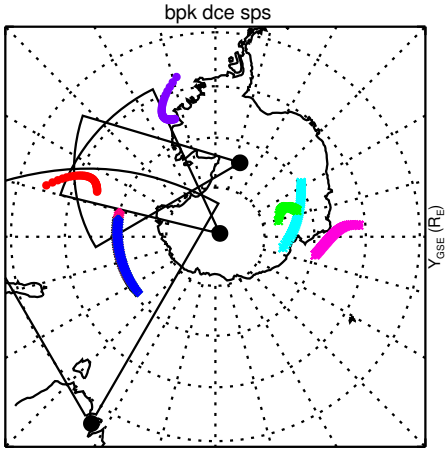


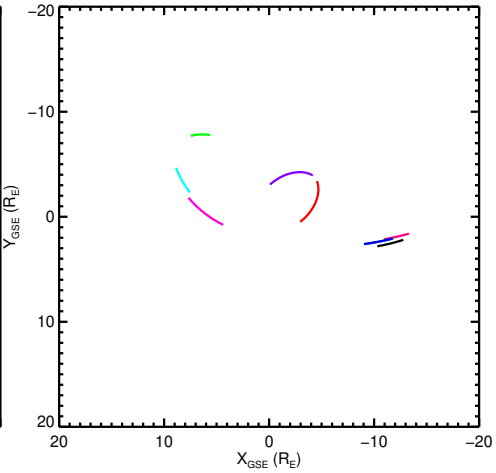


(c) 0845UT to 1130UT
ade bks cve cvw fhe fhw kap pgr

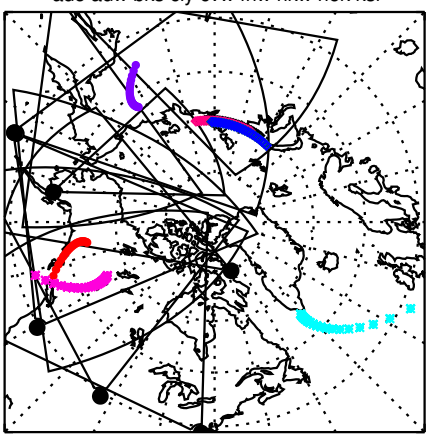


bpk dce sps

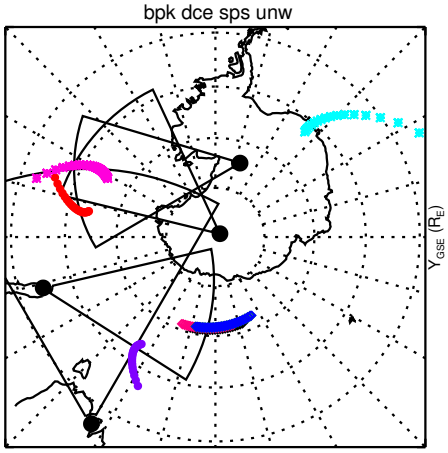


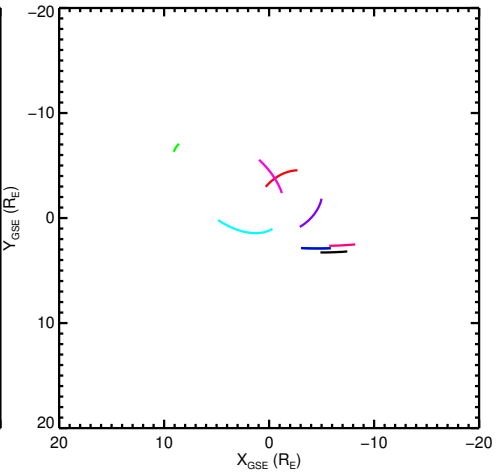



(d) 1340UT to 1535UT
ade adw bks cly cvw fhw hkw hok ksr

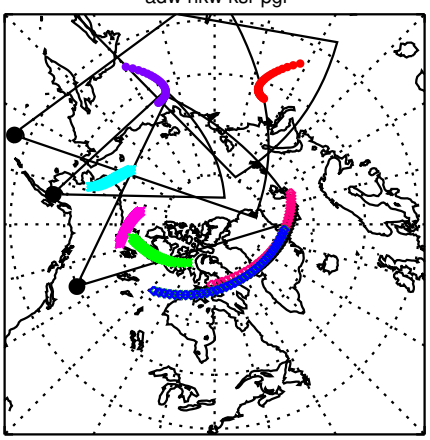


bpk dce sps unw

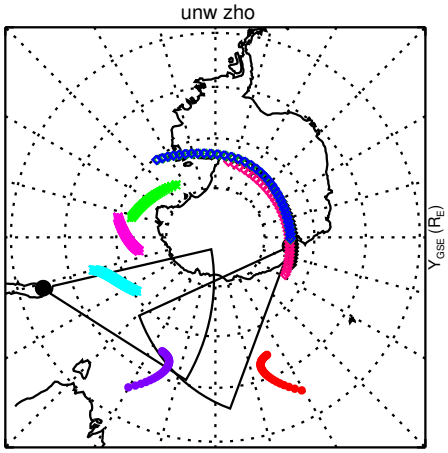


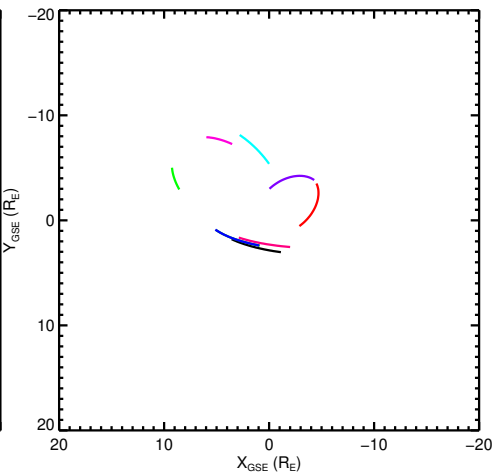



(e) 1740UT to 2035UT
adw hkw ksr pgr

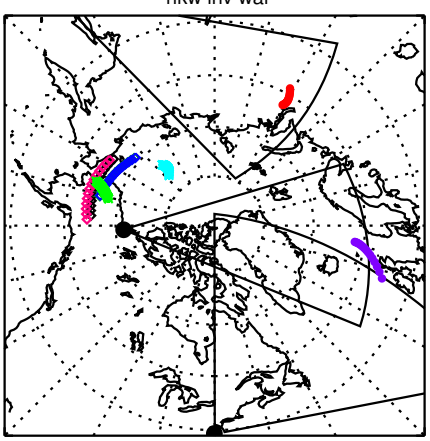


unw zho

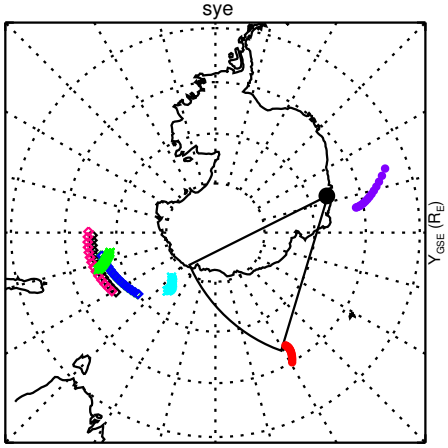


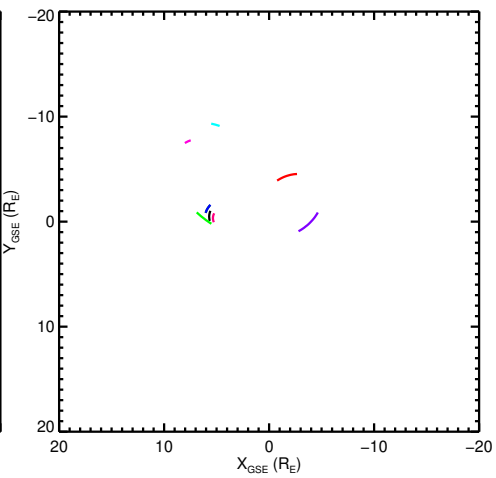



(f) 2240UT to 2355UT
hkw inv wal



sye

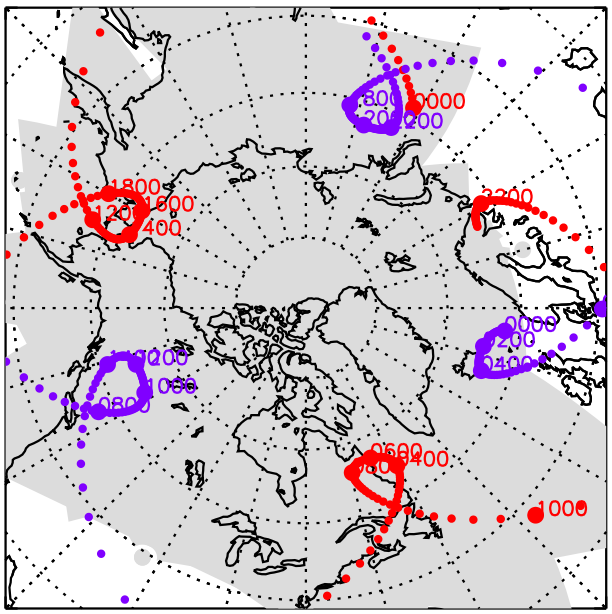


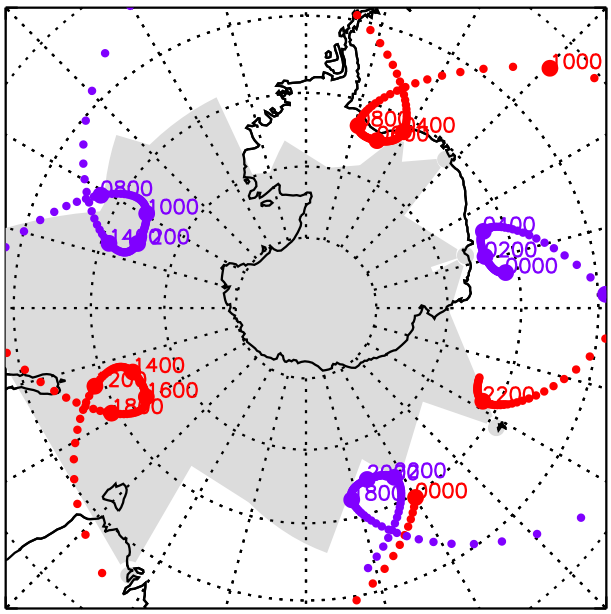


# Predicted RBSP footprints
# (AACGM magnetic longitude and latitude)

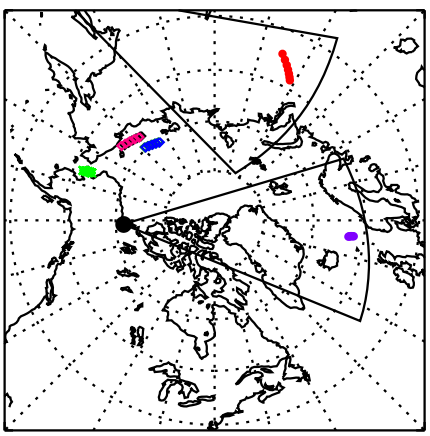
31−Aug−2016

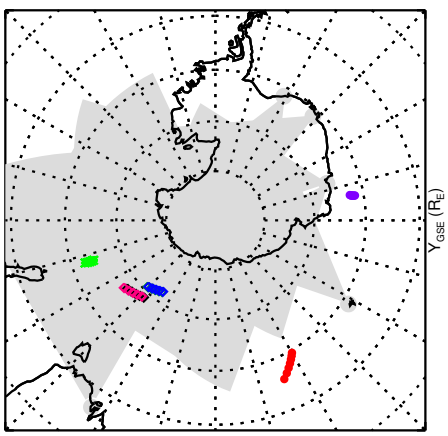
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3$R_E$. Also with: C1 C2 C3 C4 THA THD THE

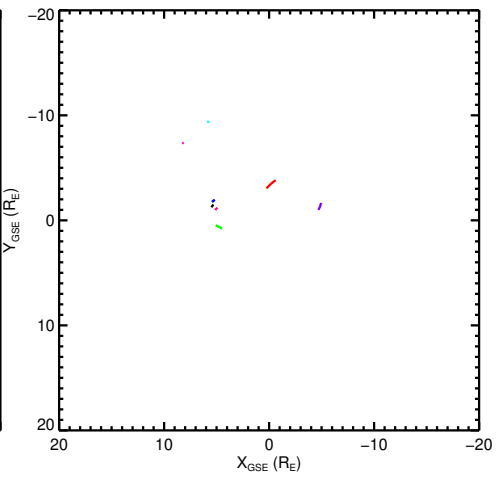




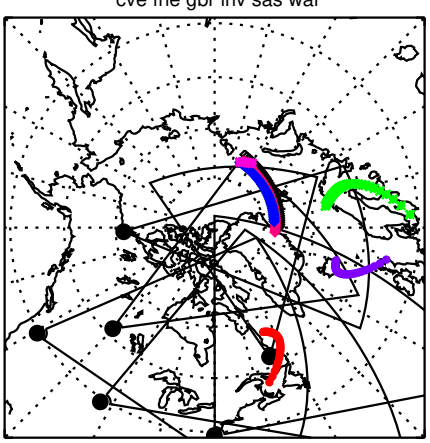
(a) 0000UT to 0030UT
hkw inv



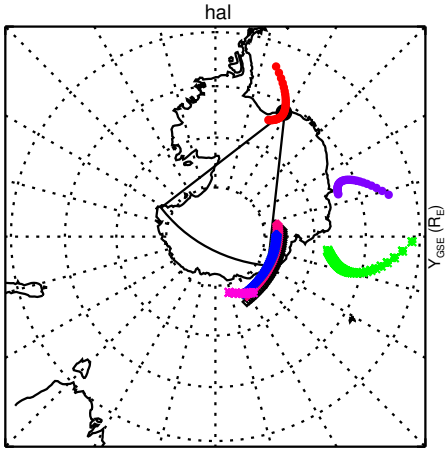


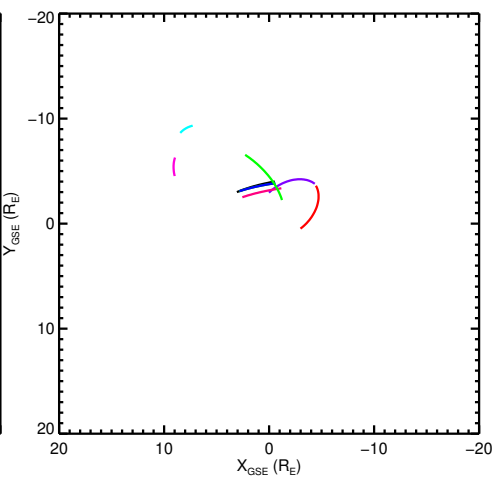



(b) 0240UT to 0540UT
cve fhe gbr inv sas wal

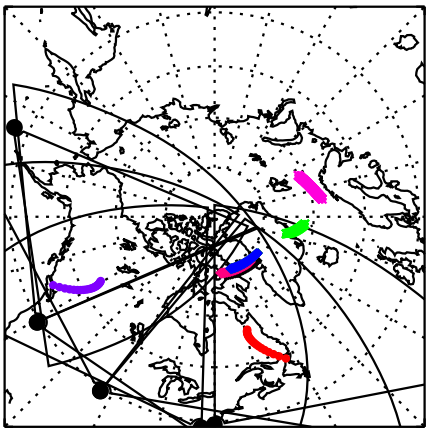


hal

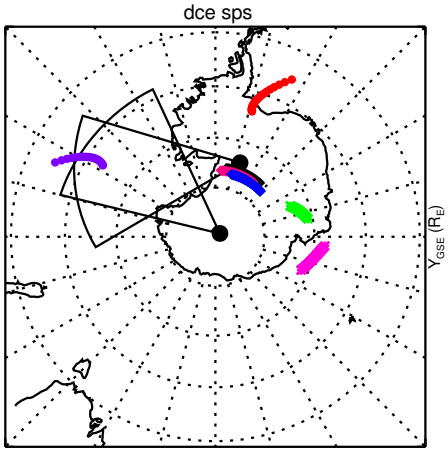


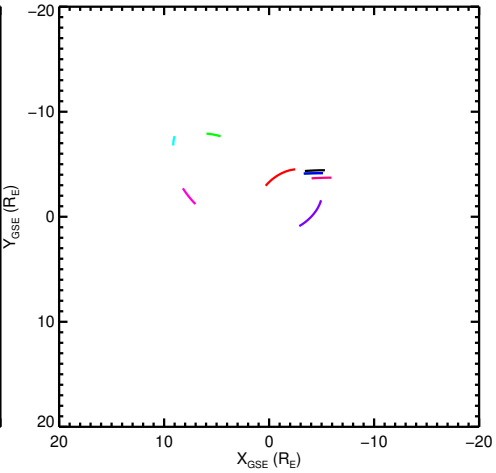


(c) 0745UT to 0930UT
ade bks cve cvw fhe fhw wal

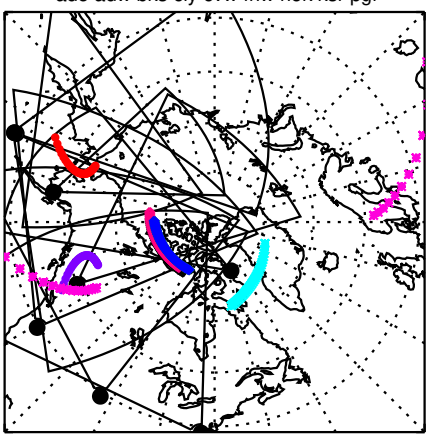


dce sps

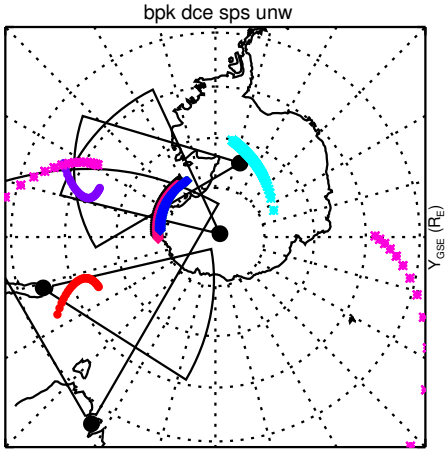


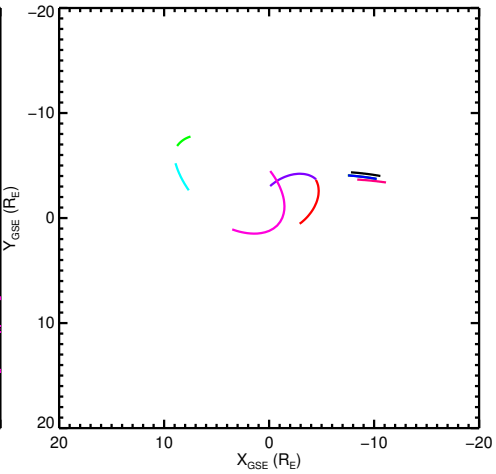



(d) 1135UT to 1440UT
ade adw bks cly cvw fhw hok ksr pgr

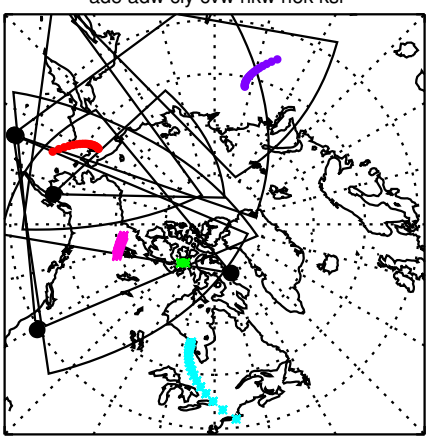


bpk dce sps unw

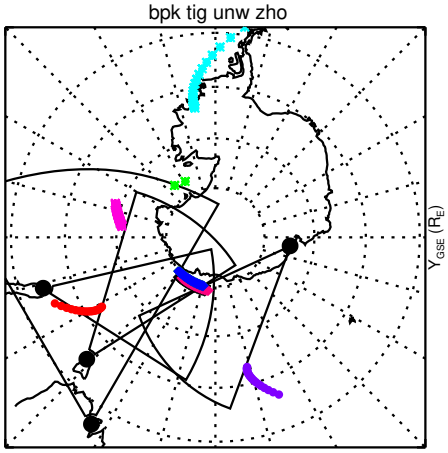


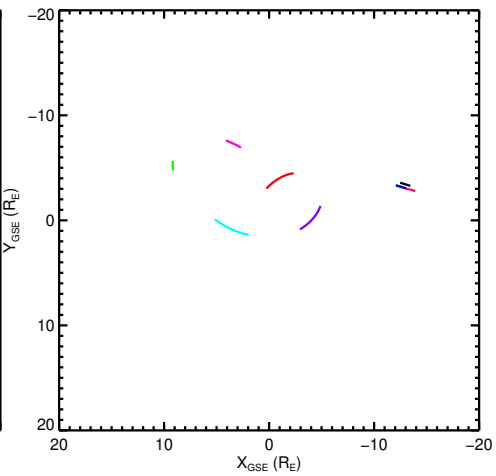



(e) 1650UT to 1825UT
ade adw cly cvw hkw hok ksr

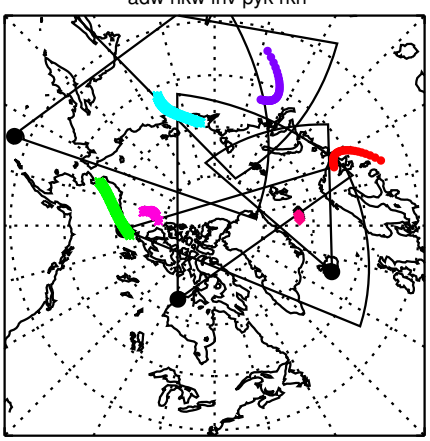
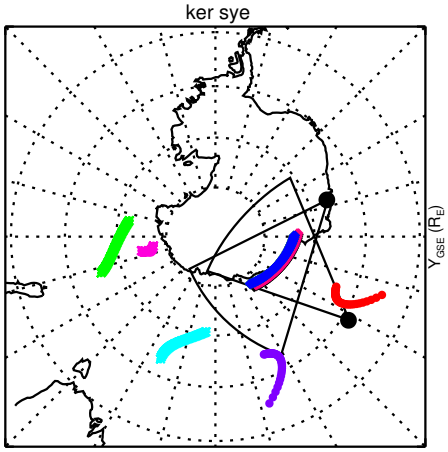
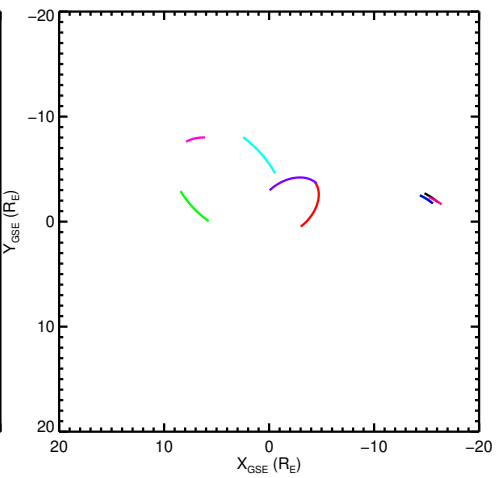


bpk tig unw zho






(f) 2035UT to 2345UT
adw hkw inv pyk rkn



ker sye