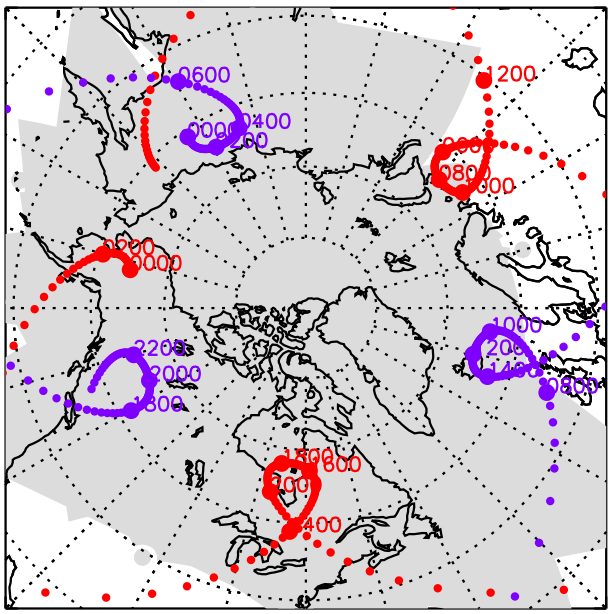
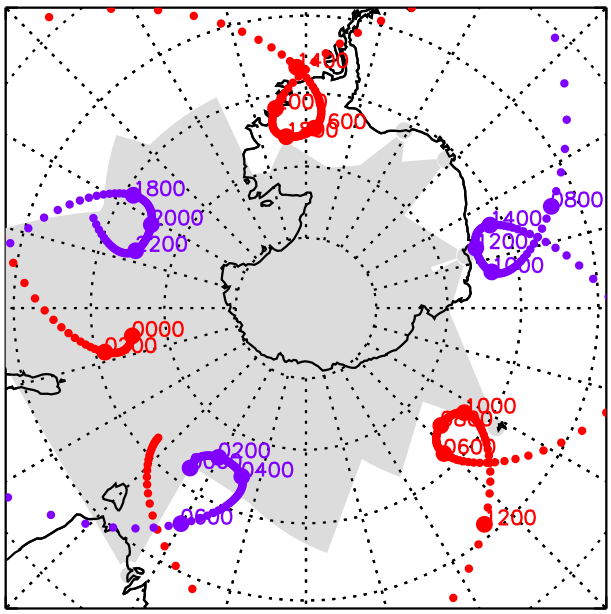
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

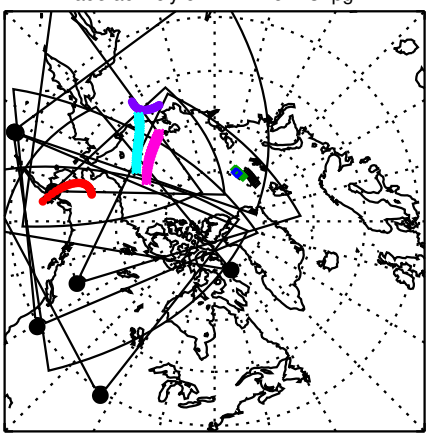
01−Oct−2017

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

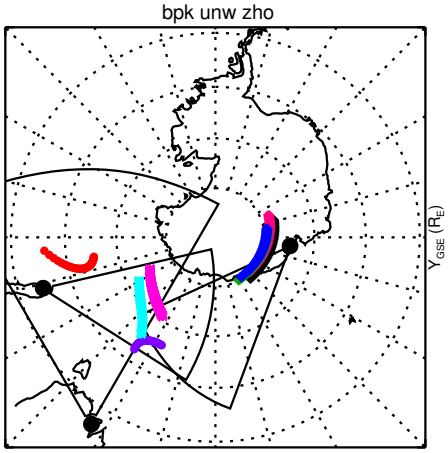


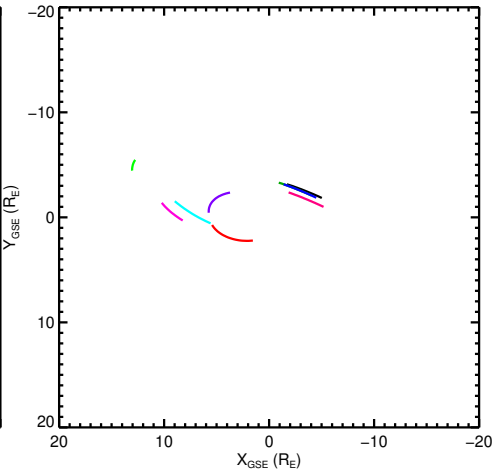


(a) 0000UT to 0245UT
ade adw cly cvw fhw hok ksr pgr

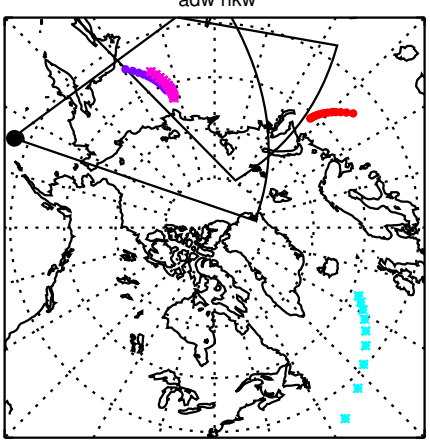


bpk unw zho

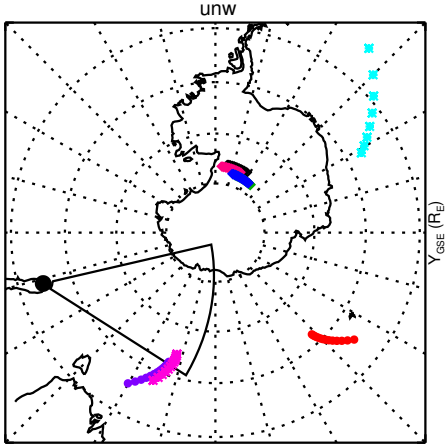


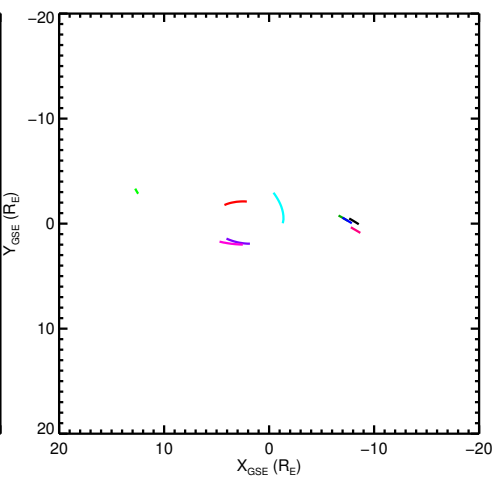


(b) 0455UT to 0600UT
adw hkw

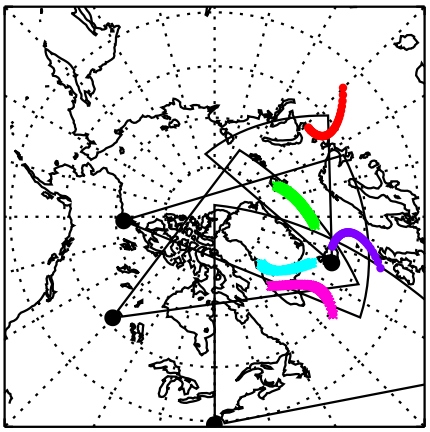


unw





(c) 0805UT to 1145UT
inv pyk sas wal



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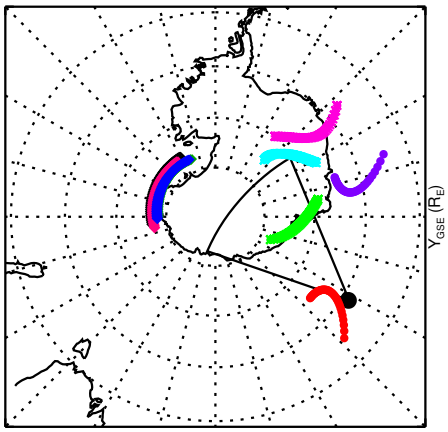
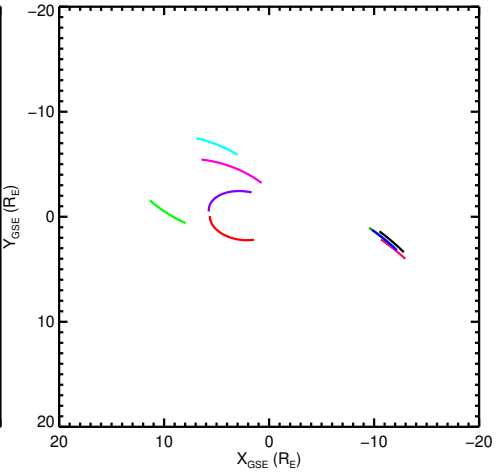
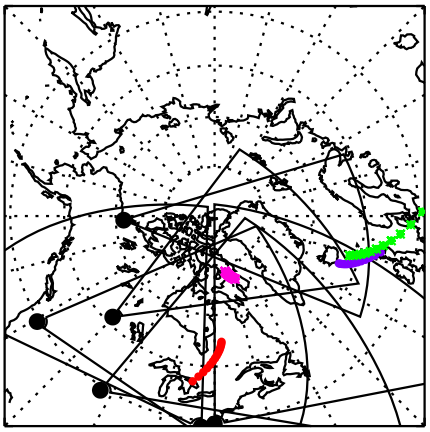
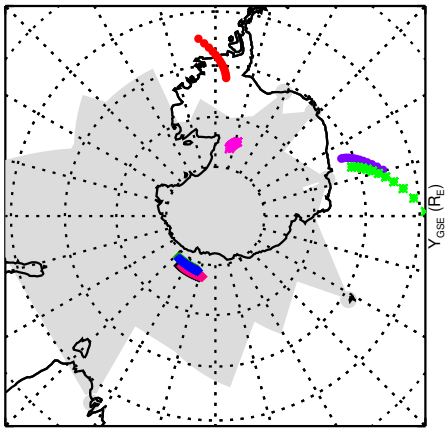
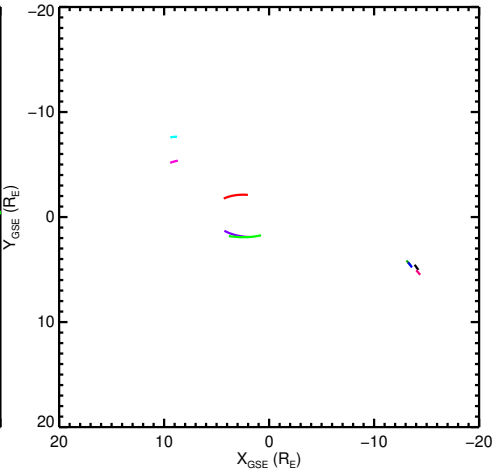




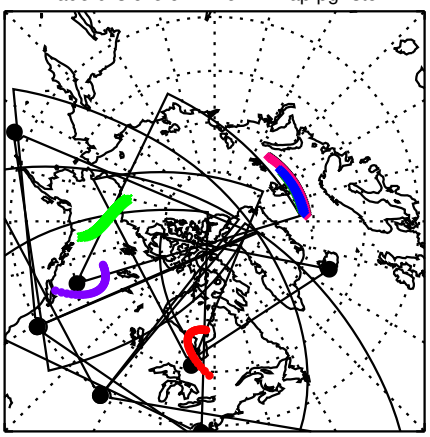
(d) 1350UT to 1500UT
bks cve fhe inv sas wal



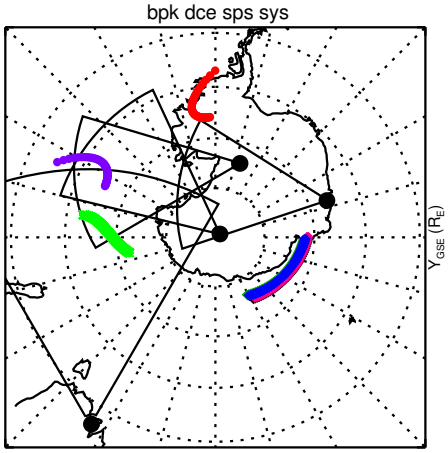


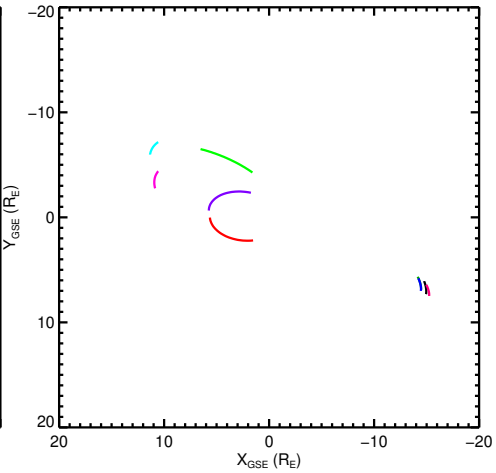


(e) 1710UT to 2040UT
ade bks cve cvw fhe fhw kap pgr sto

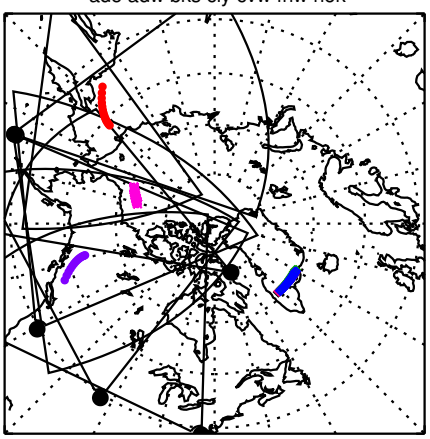


bpk dce sps sys

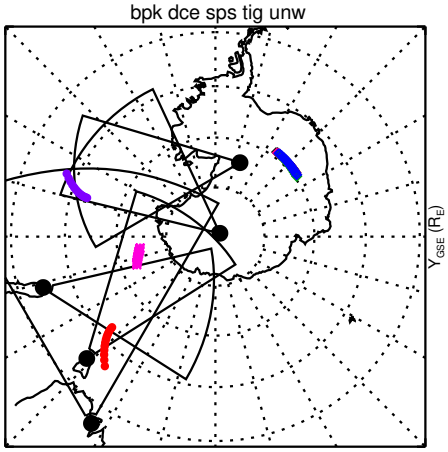


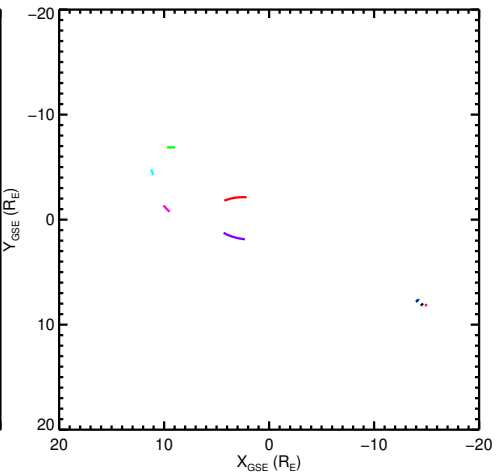


(f) 2250UT to 2355UT
ade adw bks cly cvw fhw hok



bpk dce sps tig unw

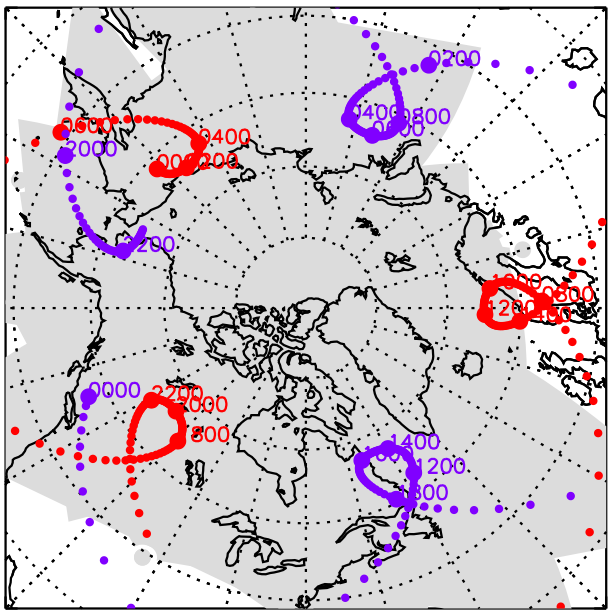


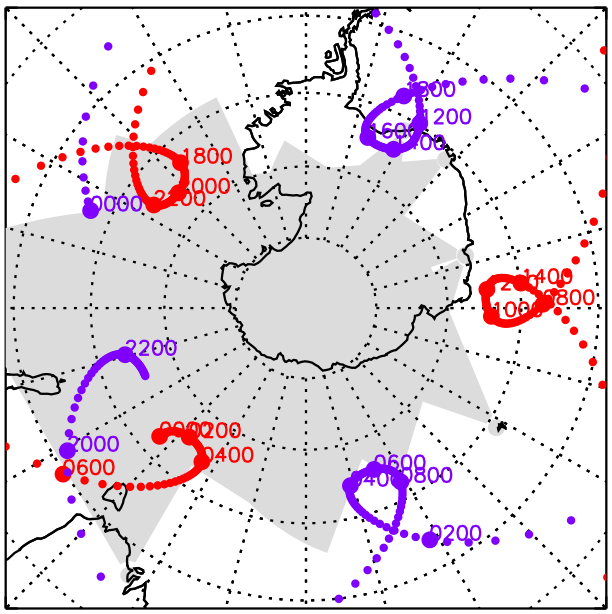


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

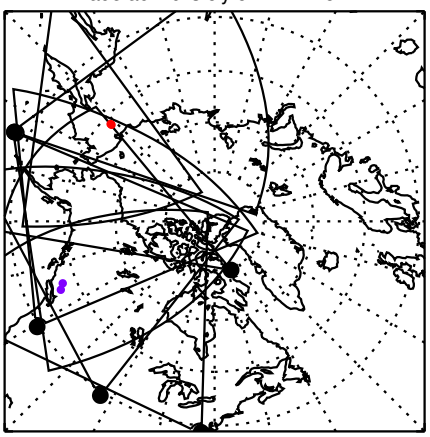
02–Oct–2017

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

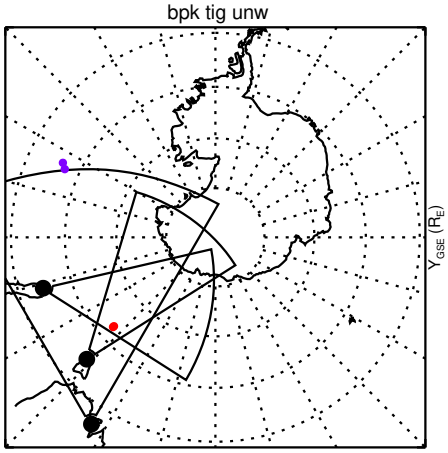


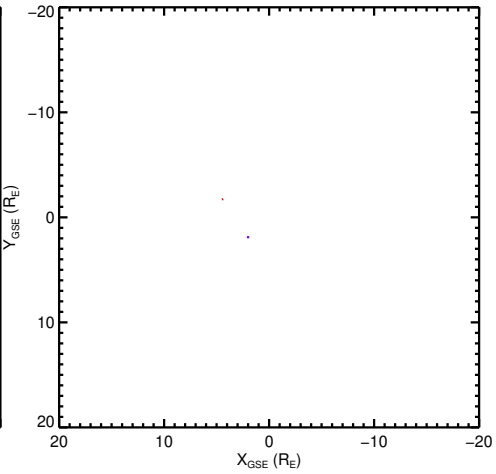


(a) 0000UT to 0005UT
ade adw bks cly cvw fhw hok

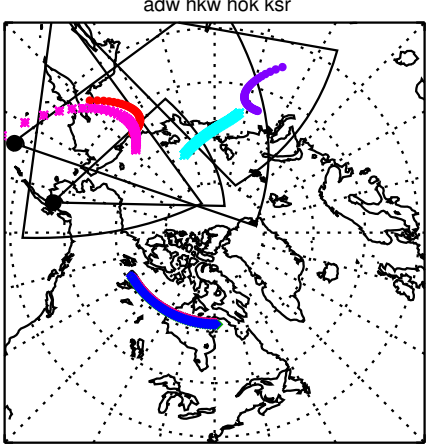


bpk tig unw

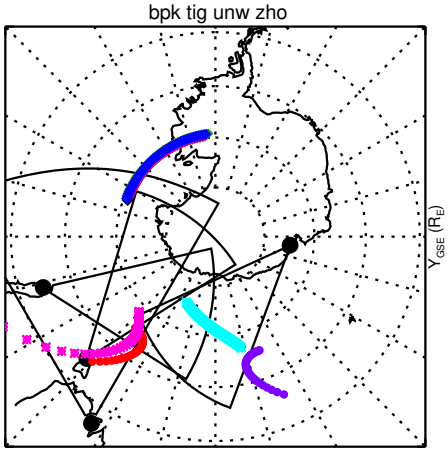


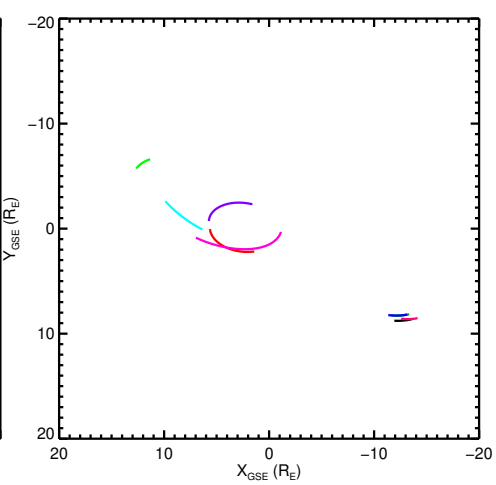


(b) 0210UT to 0540UT
adw hkw hok ksr

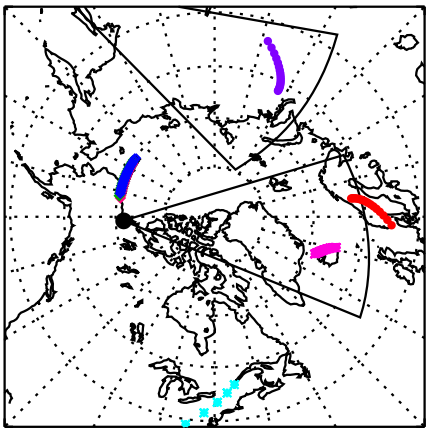


bpk tig unw zho

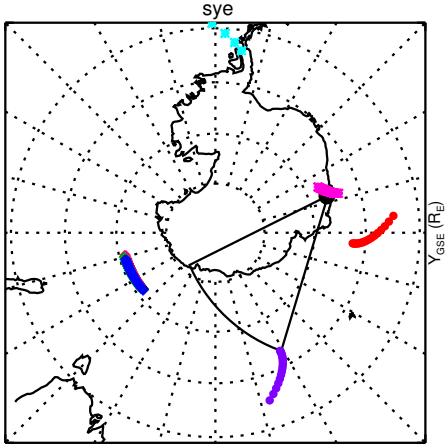


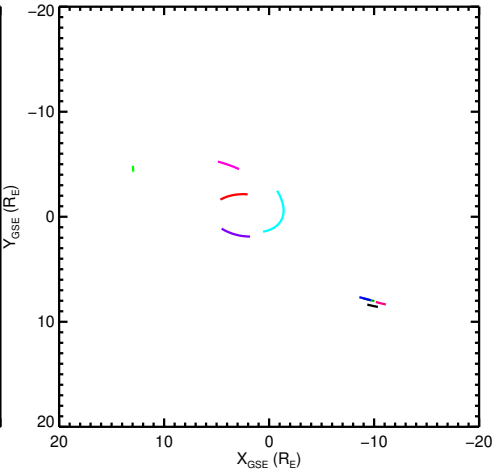


(c) 0745UT to 0910UT
hkw inv

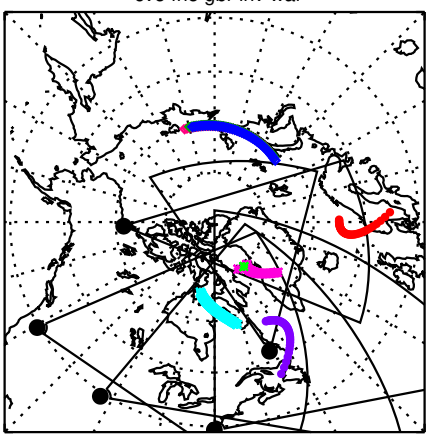


sye

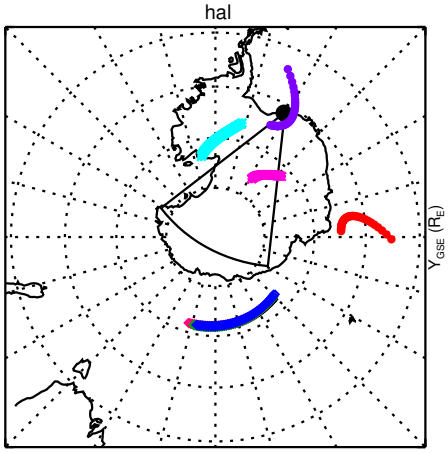


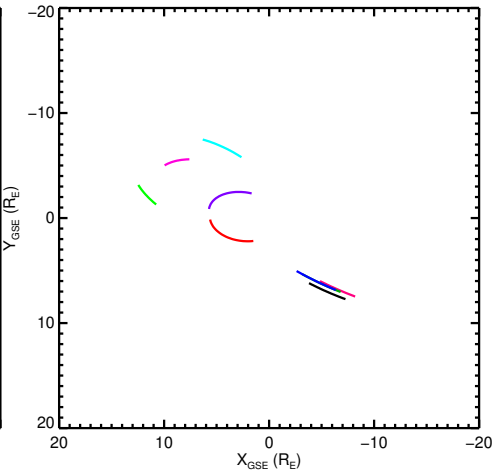


(d) 1115UT to 1435UT
cve fhe gbr inv wal

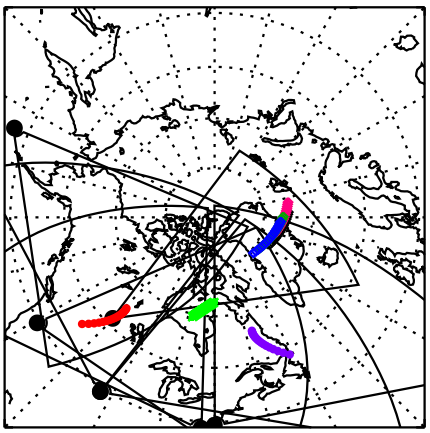


hal

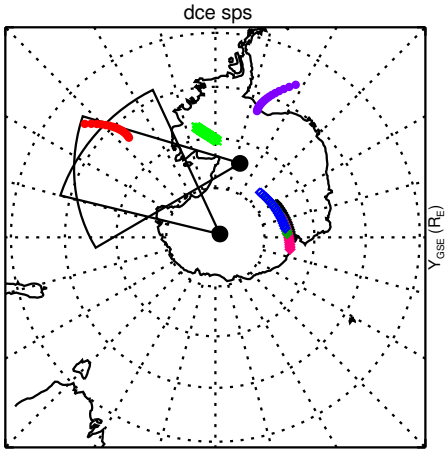


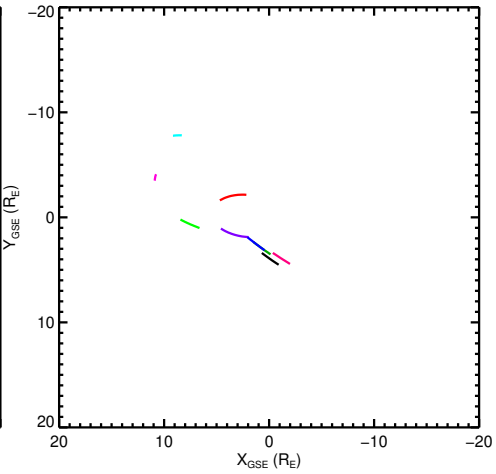


(e) 1645UT to 1810UT
ade bks cve fhe fhw sas wal

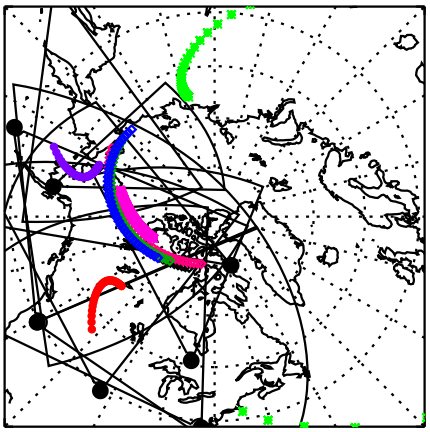


dce sps

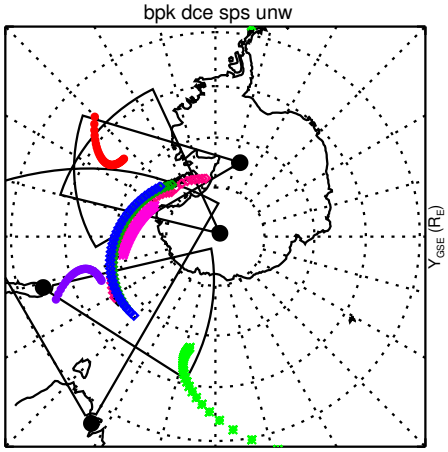


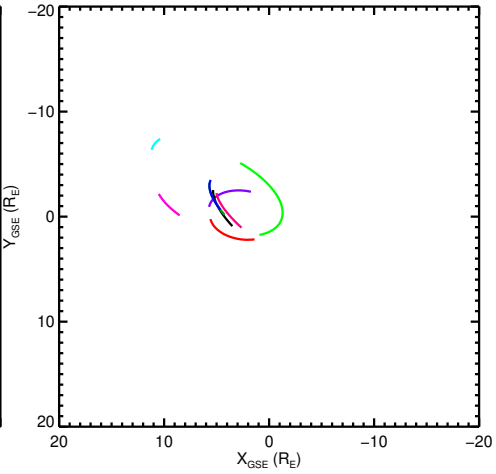


(f) 2020UT to 2335UT
ade bks cly cve cvw fhw hok kap ksr



bpk dce sps unw

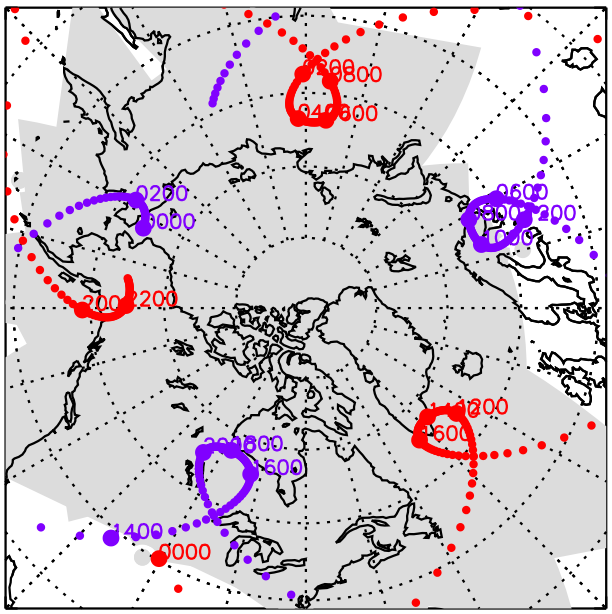


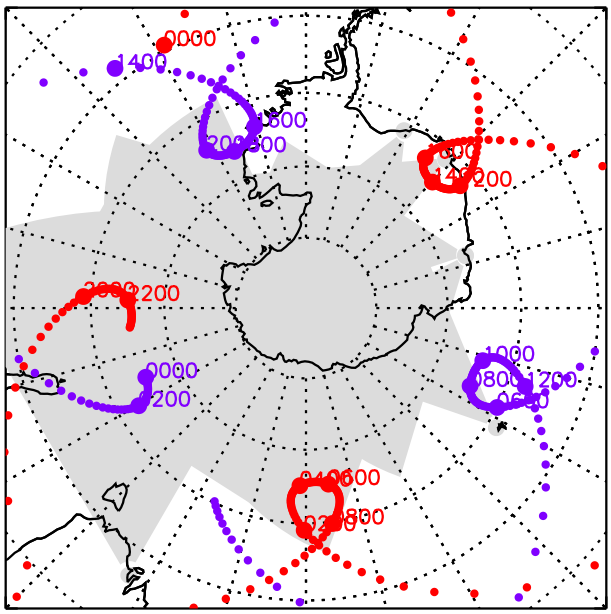


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

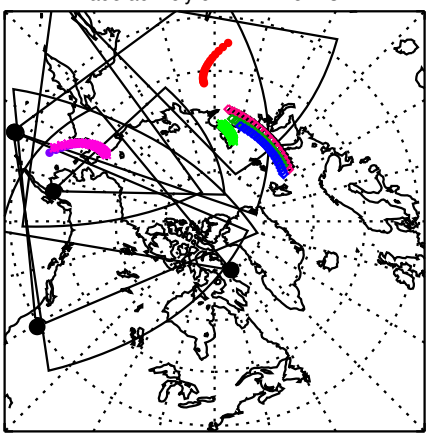
03–Oct–2017

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

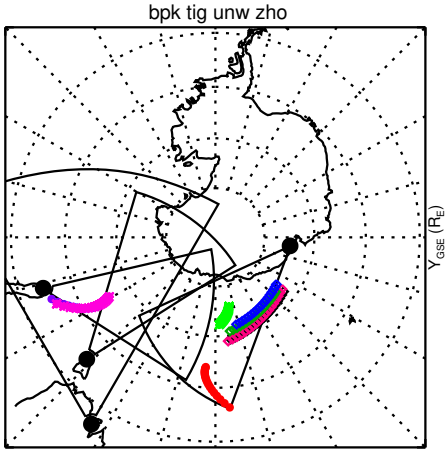


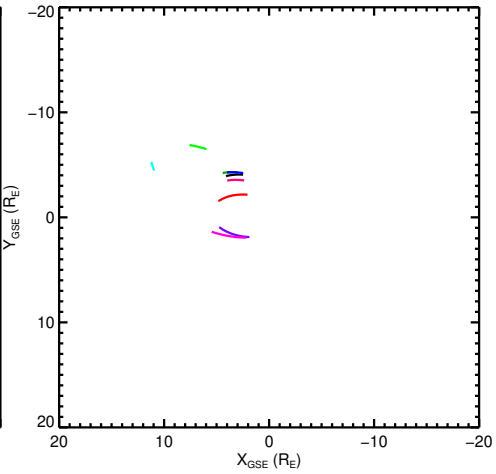


(a) 0140UT to 0315UT
ade adw cly cvw hkw hok ksr

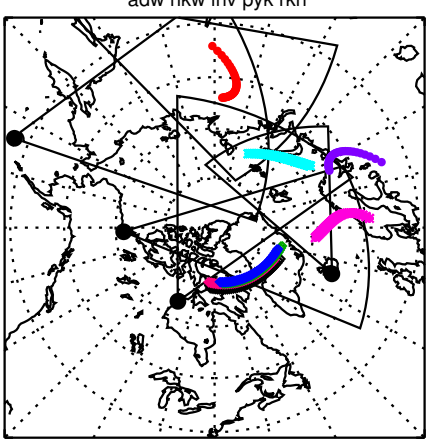


bpk tig unw zho

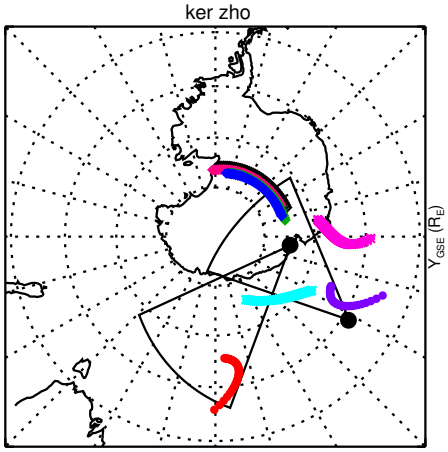


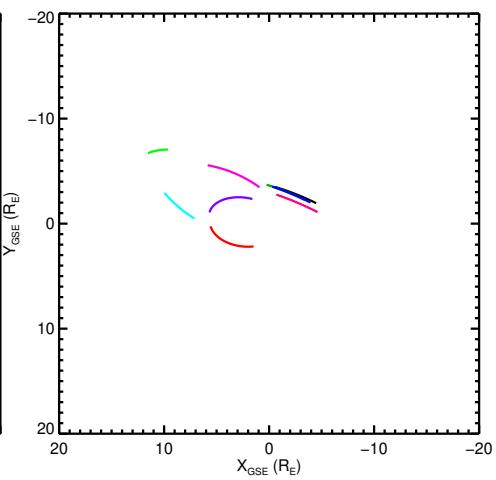


(b) 0520UT to 0830UT
adw hkw inv pyk rkn

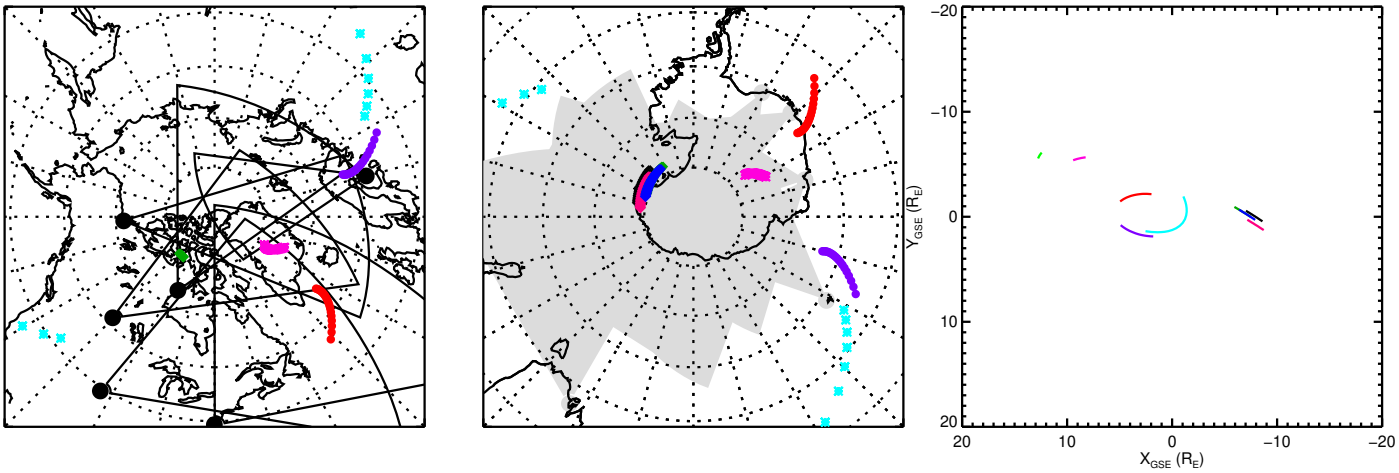


ker zho



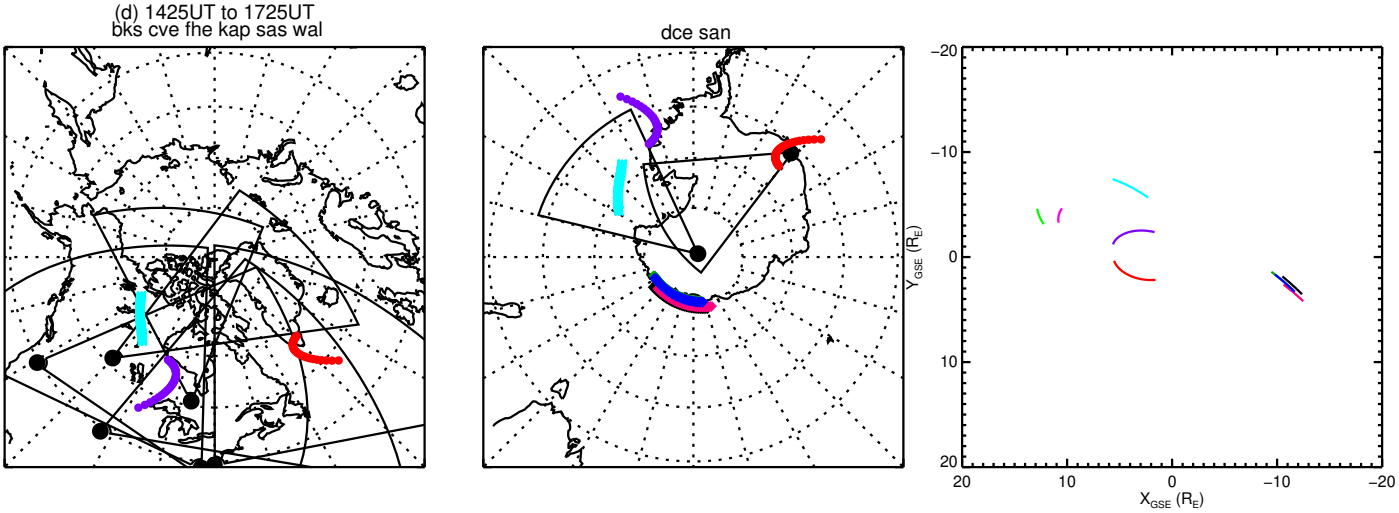


(c) 1035UT to 1220UT
fhe han inv rkn sas wal



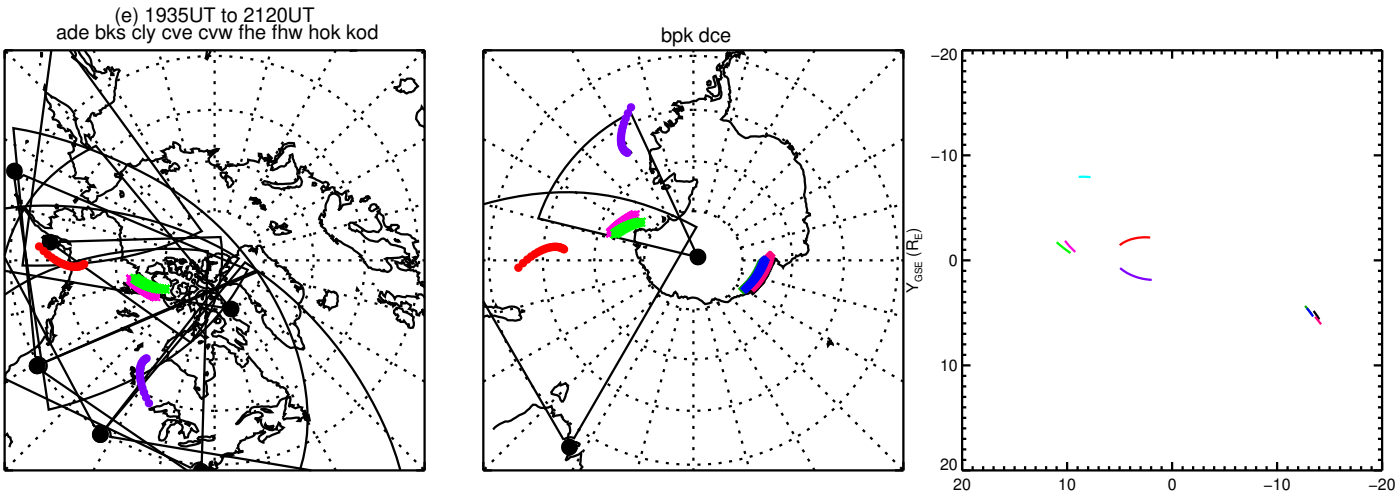
(d) 1425UT to 1725UT
bks cve fhe kap sas wal

dce san



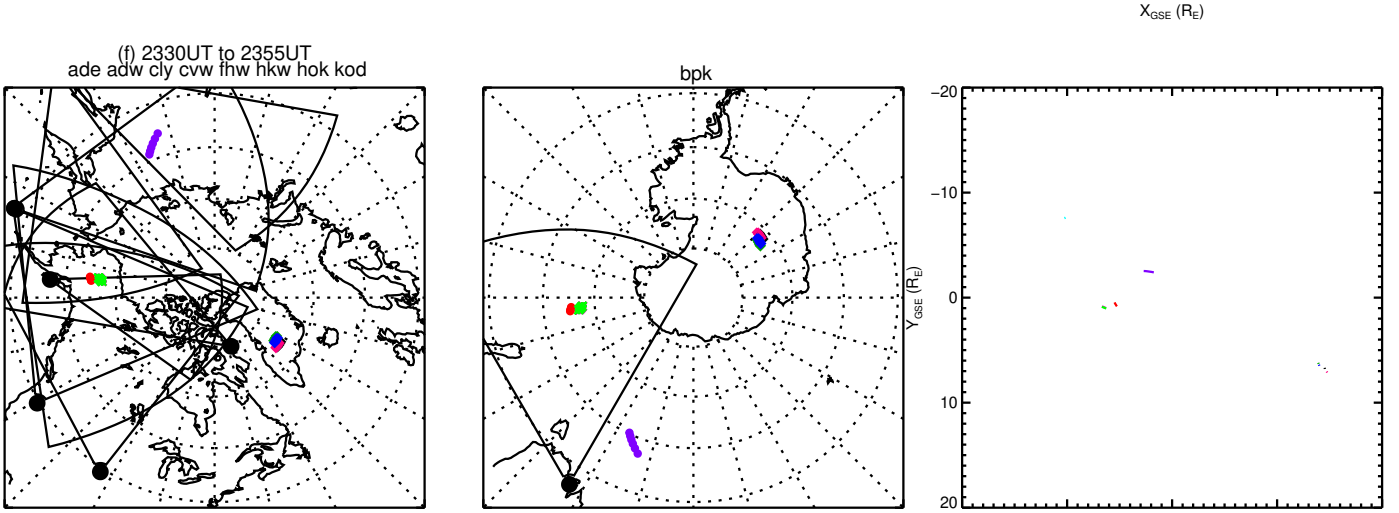
(e) 1935UT to 2120UT
ade bks cly cve cvw fhe fhw hok kod

bpk dce



(f) 2330UT to 2355UT
ade adw cly cvw fhw hkw hok kod

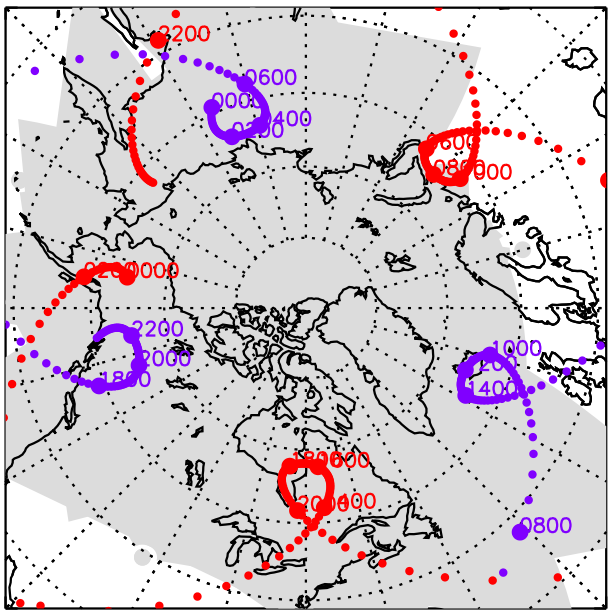
bpk

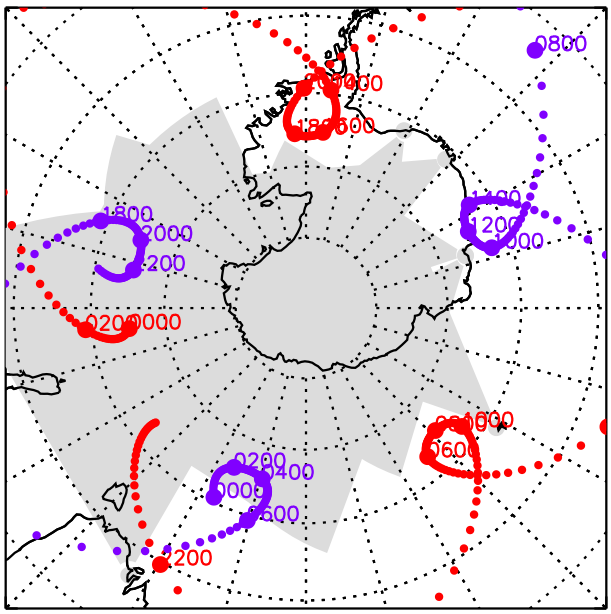


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

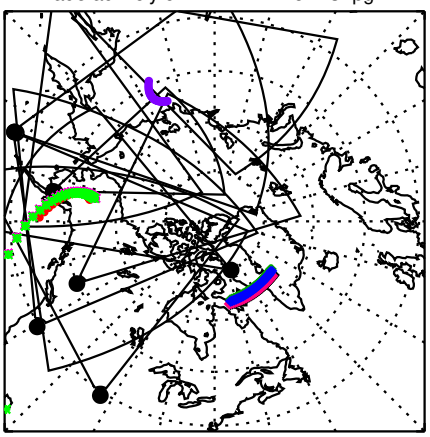
04–Oct–2017

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

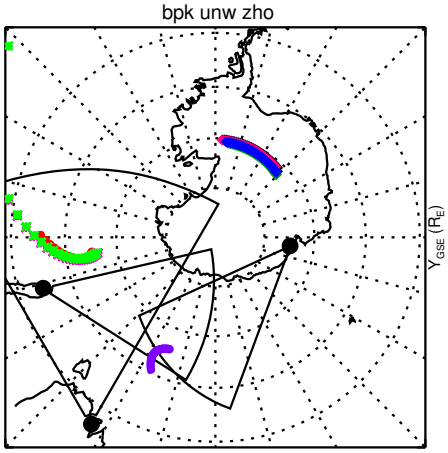


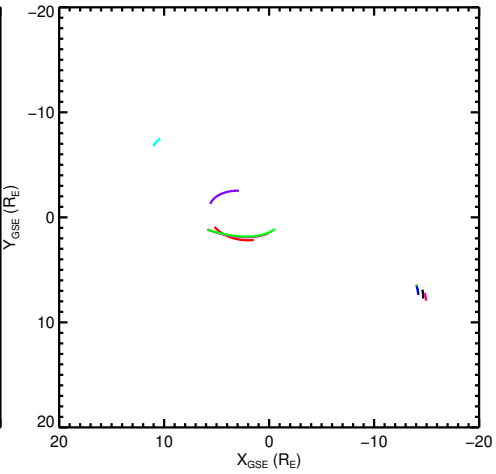


(a) 0000UT to 0225UT
ade adw cly cvw fhw hkw hok ksr pgr

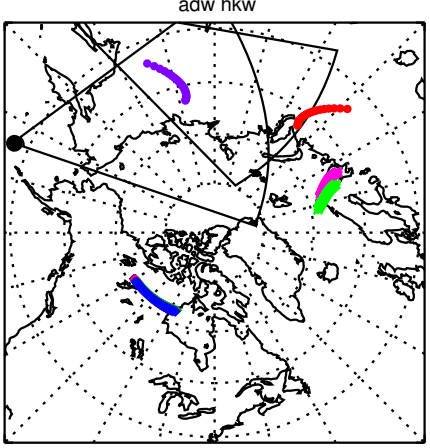


bpk unw zho

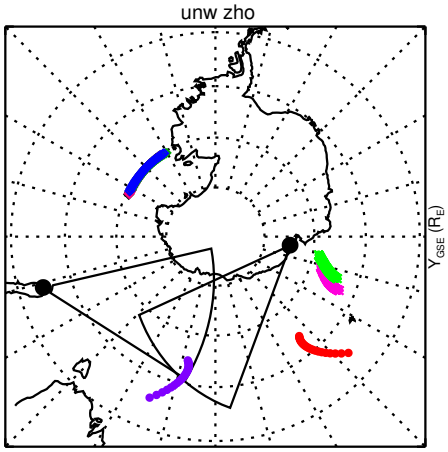


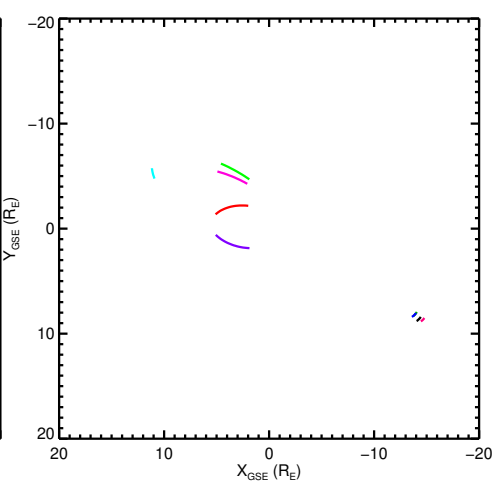


(b) 0430UT to 0625UT
adw hkw

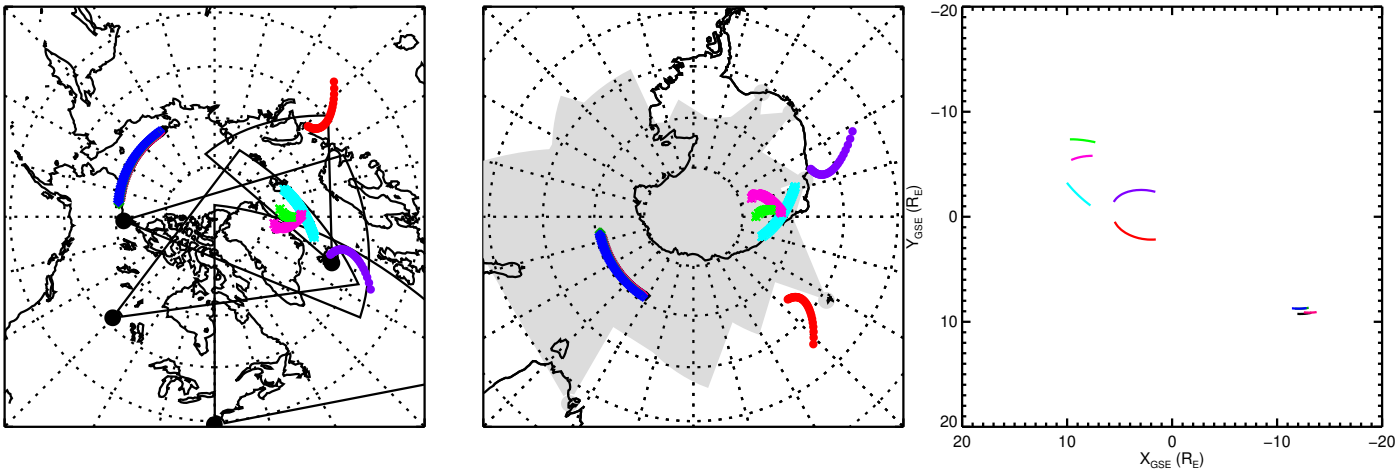


unw zho

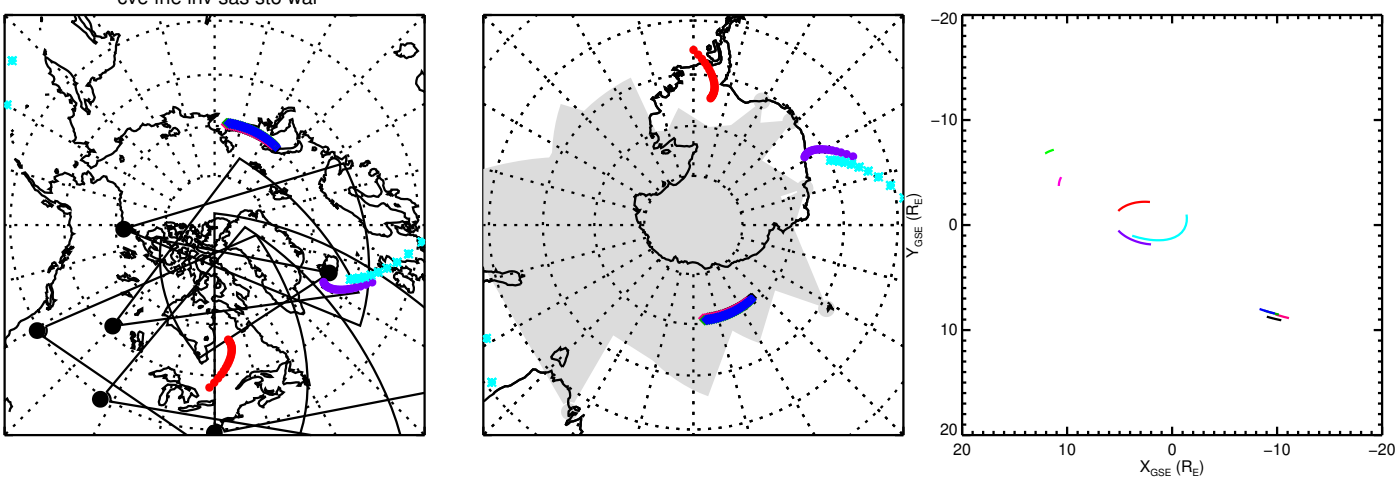




(c) 0830UT to 1120UT
inv pyk sas wal

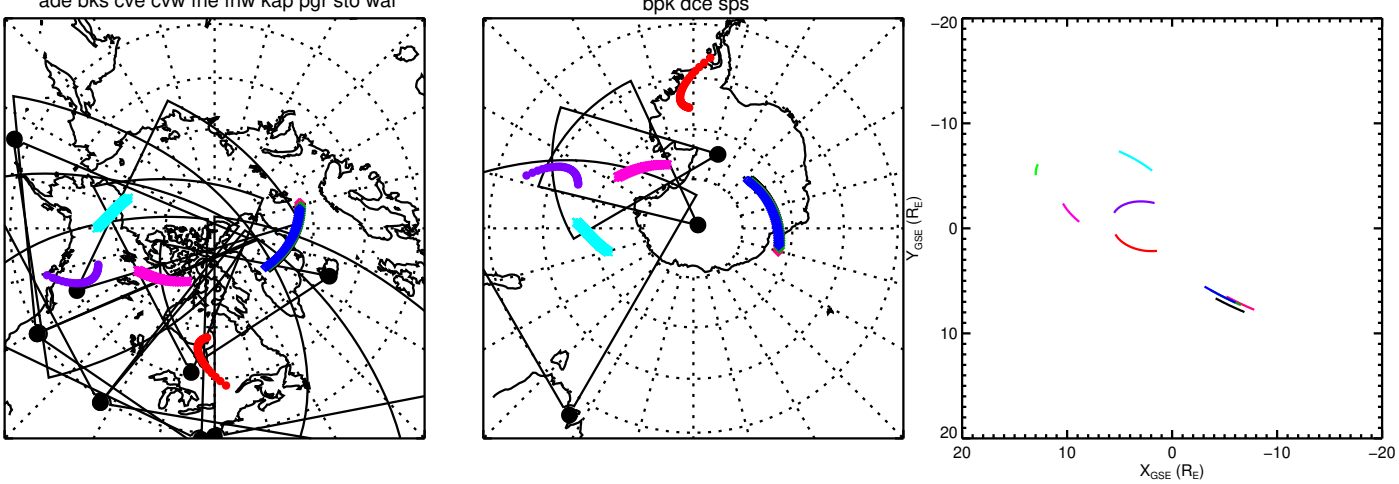


(d) 1330UT to 1525UT
cve fhe inv sas sto wal



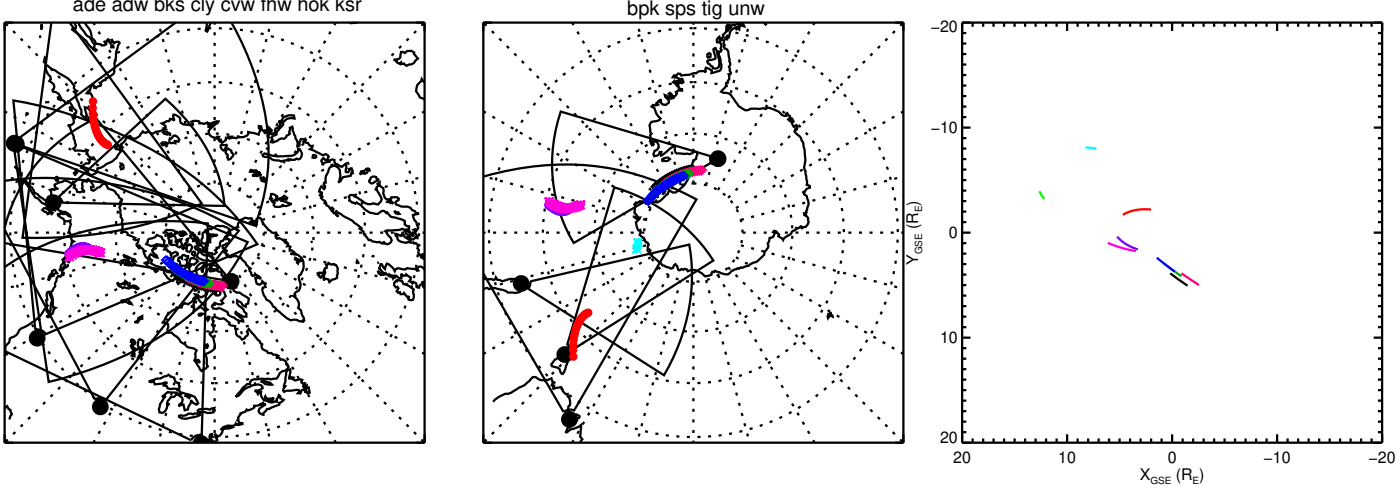
(e) 1735UT to 2020UT
ade bks cve cvw fhe fhw kap pgr sto wal

bpk dce sps



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

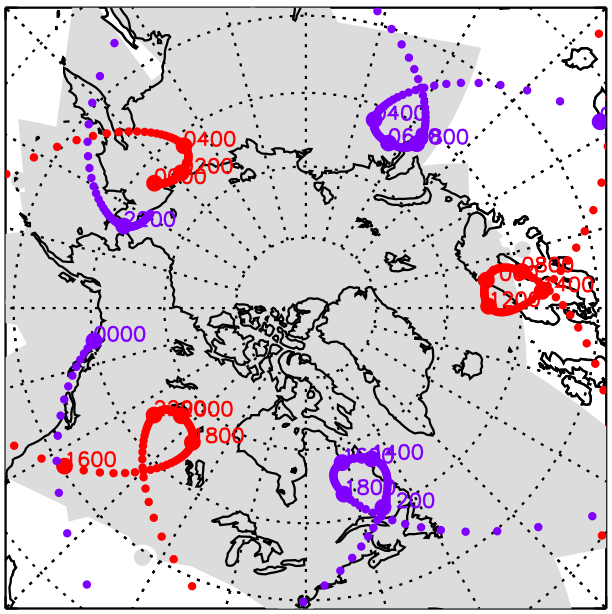
bpk sps tig unw

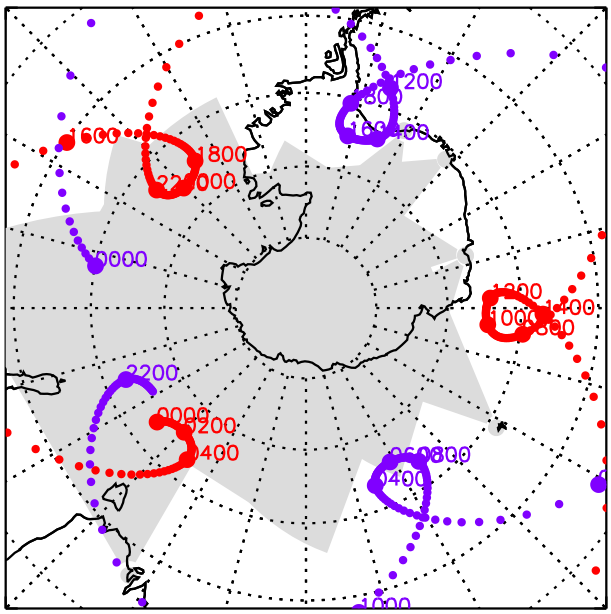


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

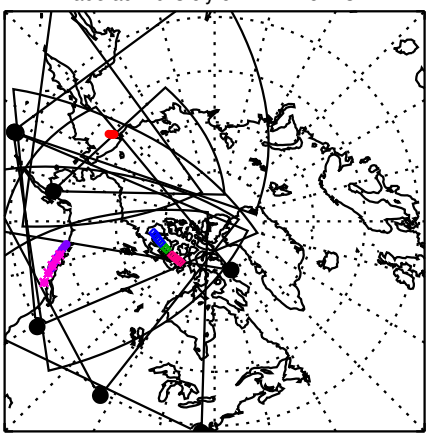
05–Oct–2017

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

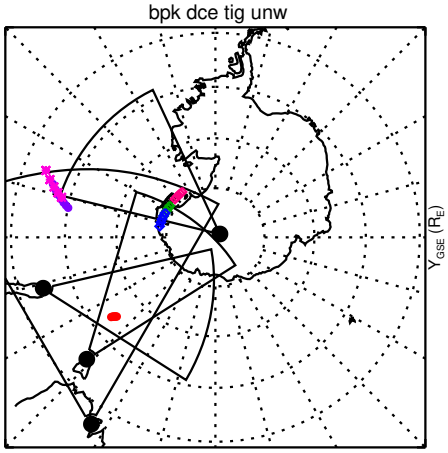


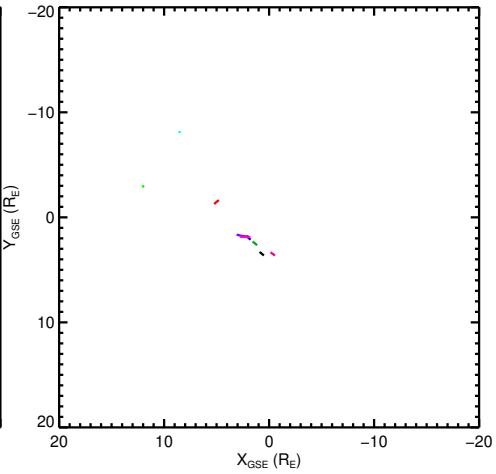


(a) 0000UT to 0030UT
ade adw bks cly cvw fhw hok ksr

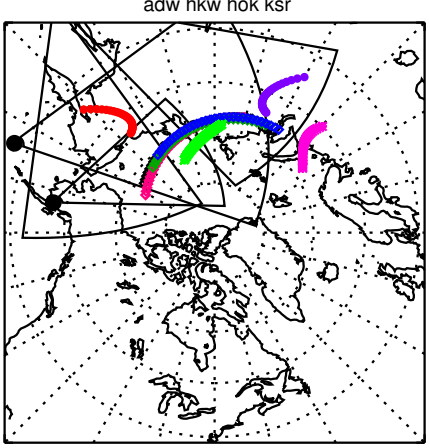


bpk dce tig unw

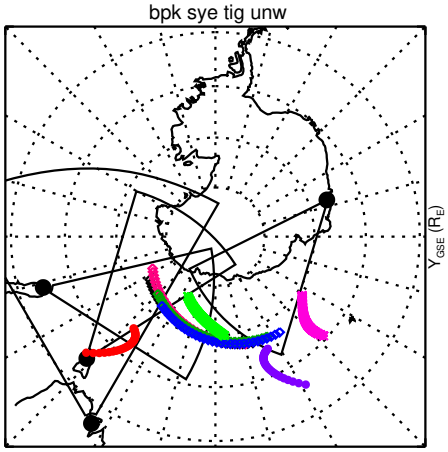


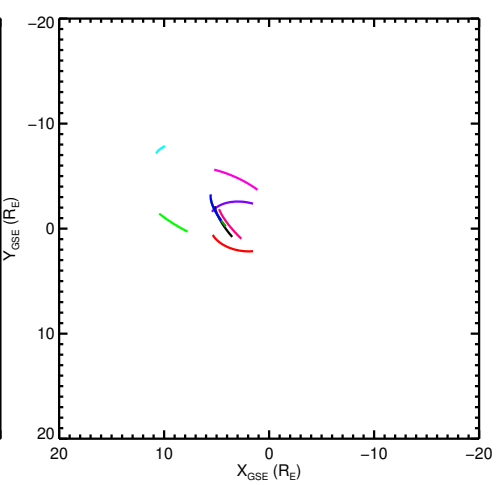


(b) 0235UT to 0515UT
adw hkw hok ksr



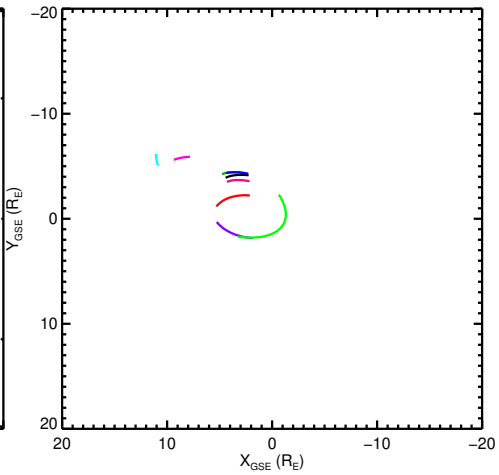
bpk sye tig unw



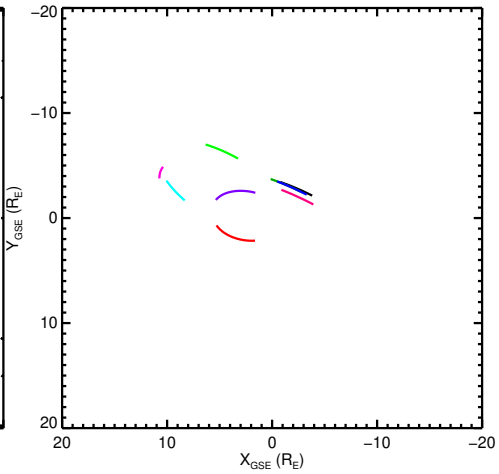


(c) 0725UT to 0935UT
han hkw inv

sye

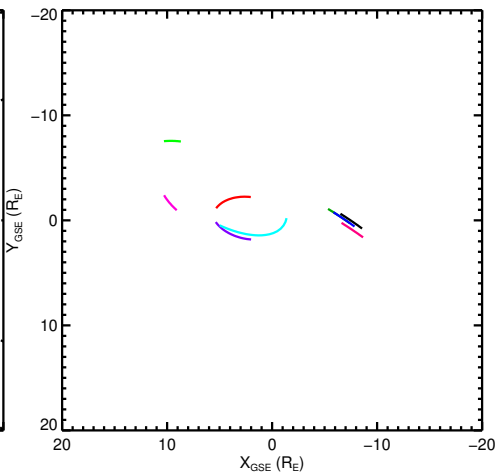


(d) 1140UT to 1410UT
cve fhe gbr inv wal



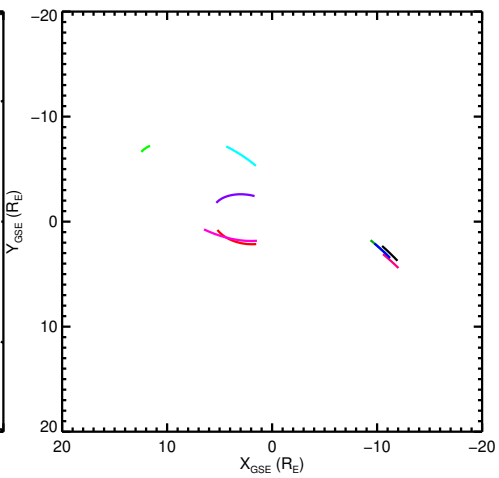
(e) 1620UT to 1835UT
ade bks cve fhe fhw sas sto wal

dce sps



(f) 2045UT to 2310UT
ade adw bks cly cve cvw fhw hok ksr

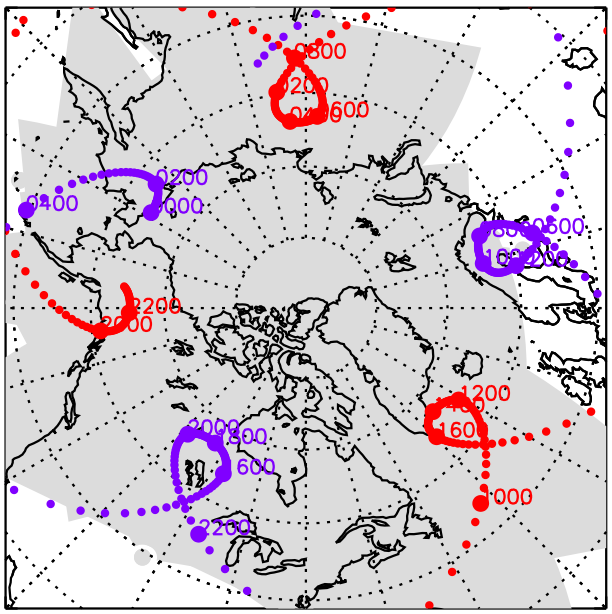
bpk dce sps tig unw

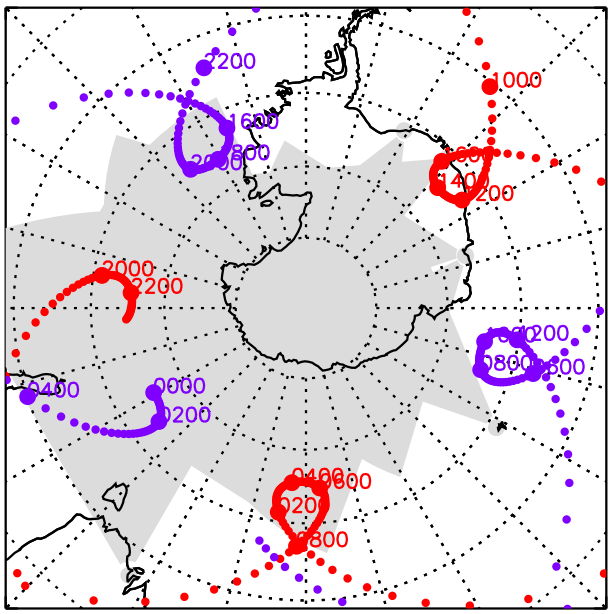


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

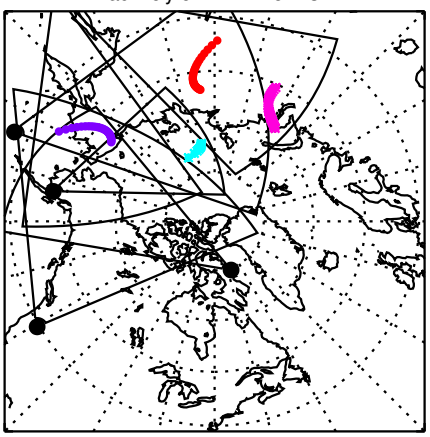
06–Oct–2017

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

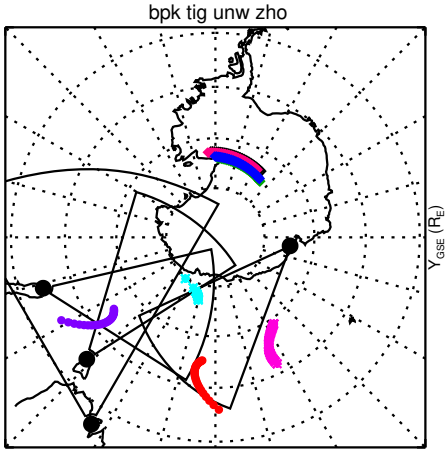


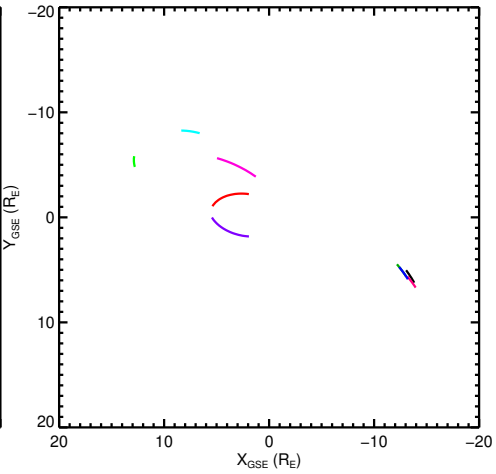


(a) 0115UT to 0340UT
adw cly cvw hkw hok ksr

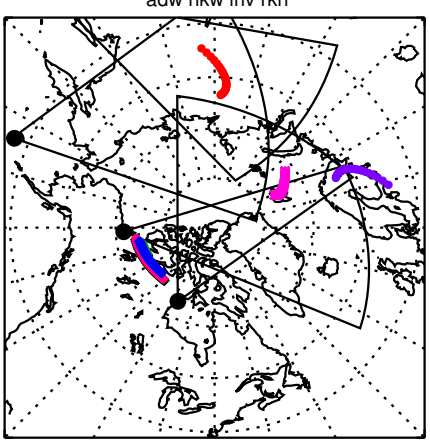


bpk tig unw zho

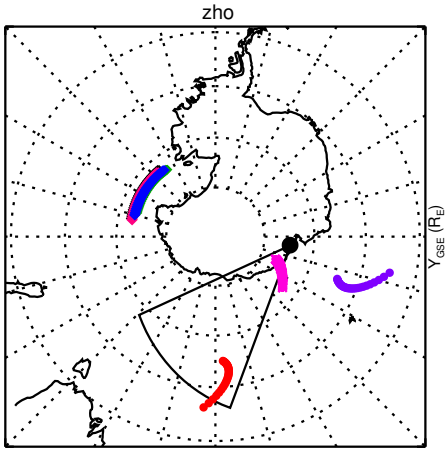


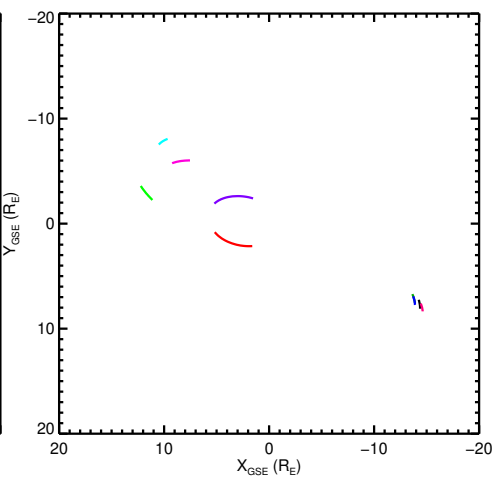


(b) 0545UT to 0805UT
adw hkw inv rkn

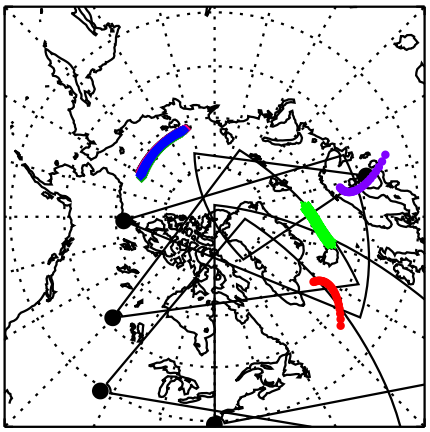


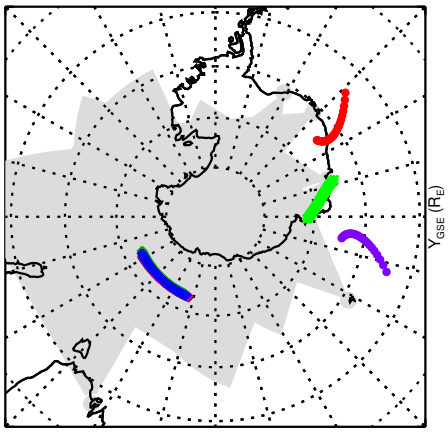
zho

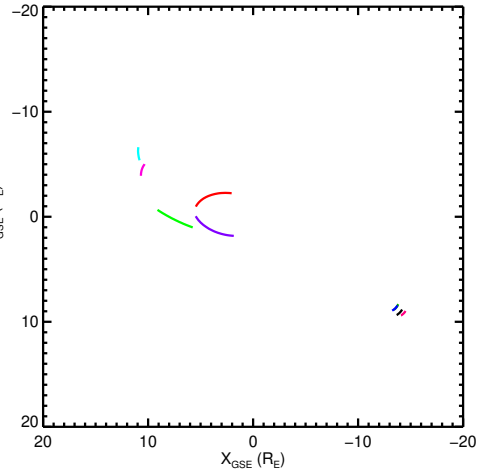




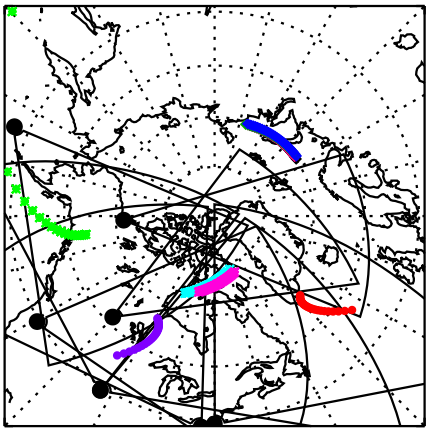
(c) 1015UT to 1245UT
fhe han inv sas wal



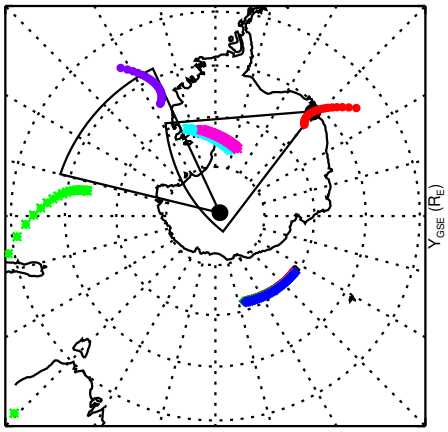


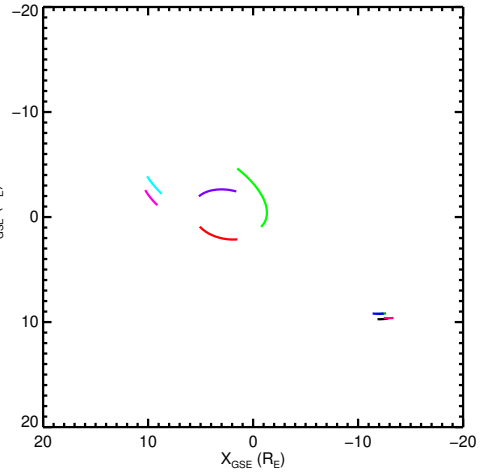


(d) 1450UT to 1705UT
ade bks cve fhe fhw inv sas wal

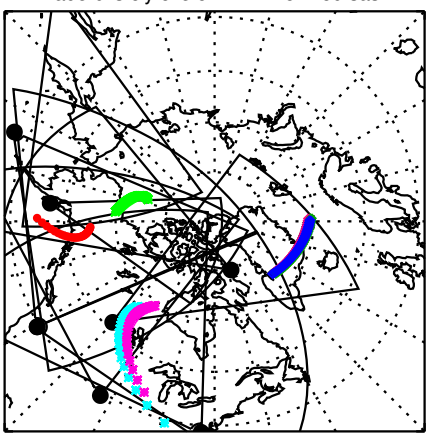


dce san

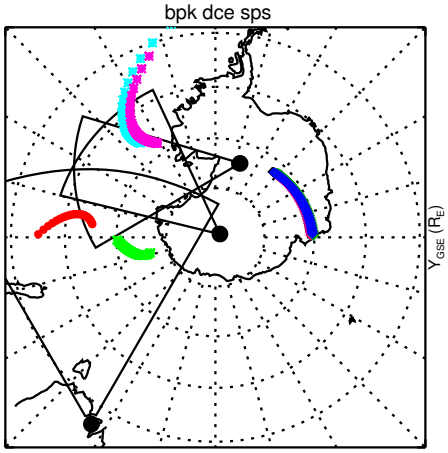


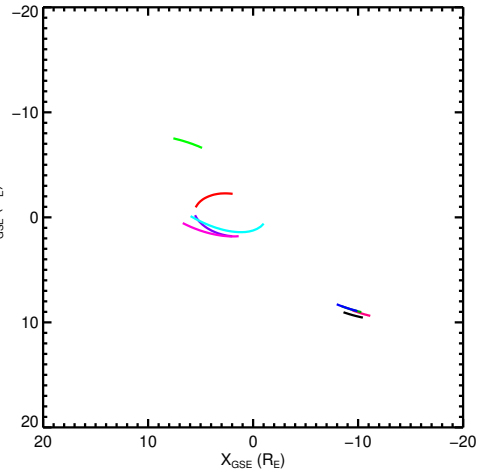


(e) 1910UT to 2145UT
ade bks cly cve cvw fhw hok kod sas

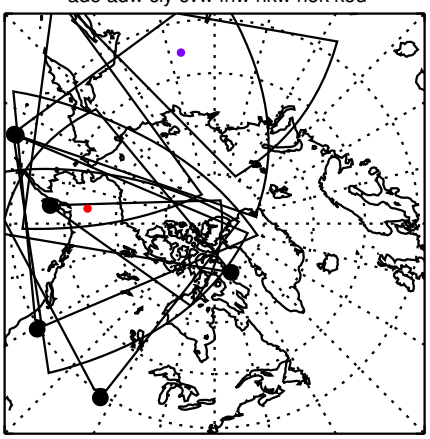


bpk dce sps

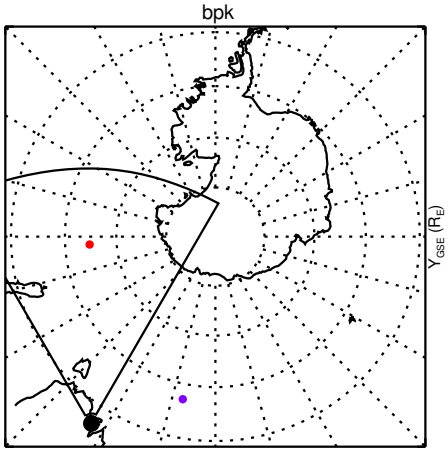


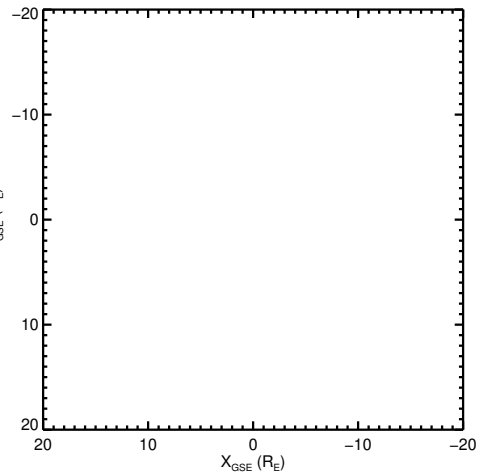


(f) 2355UT to 2355UT
ade adw cly cvw fhw hkw hok kod



bpk

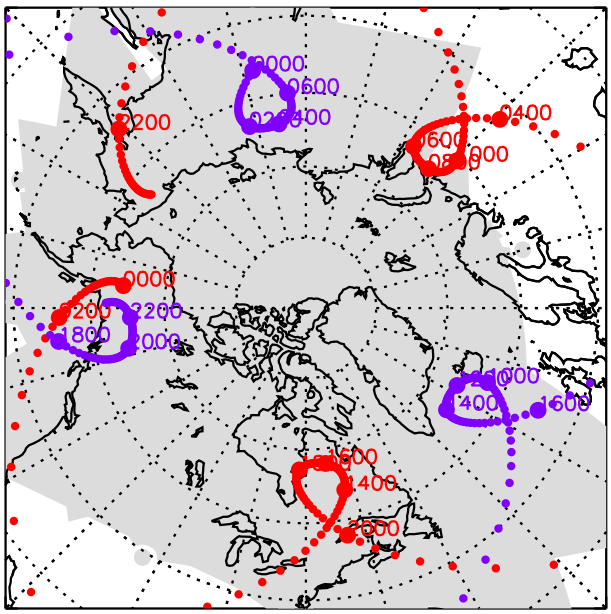


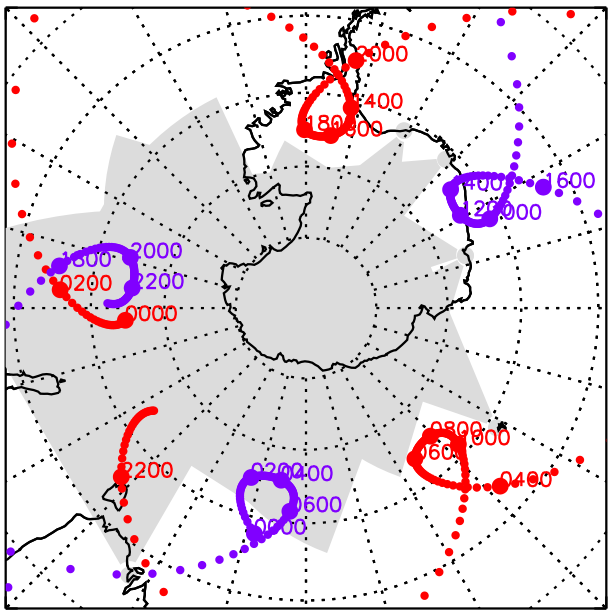


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

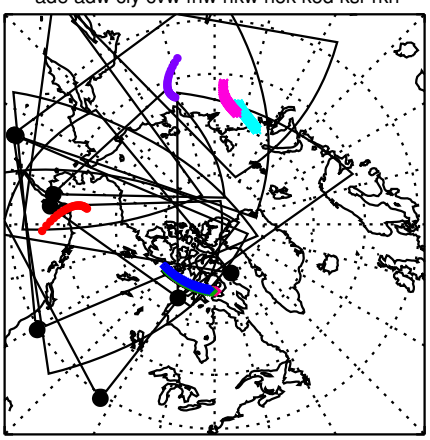
07–Oct–2017

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

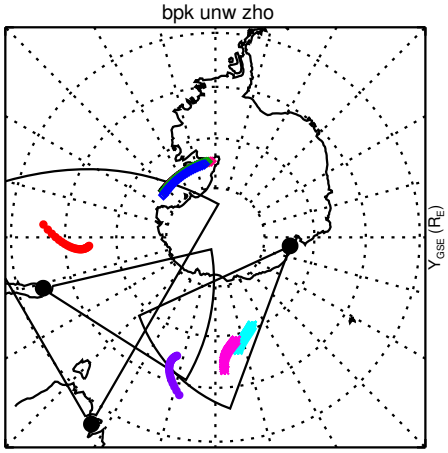


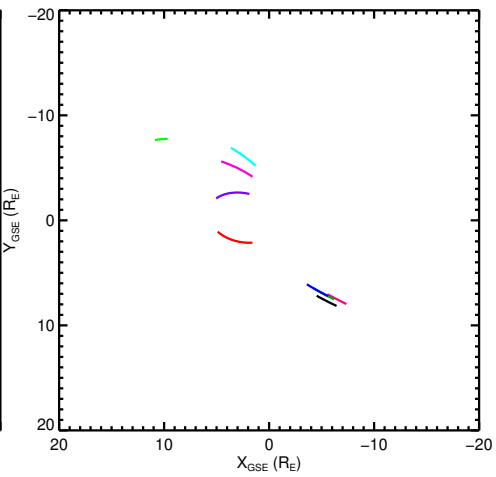


(a) 0000UT to 0200UT
ade adw cly cvw fhw hkw hok kod ksr rkn

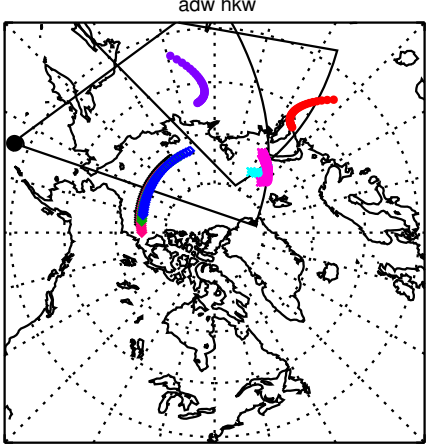


bpk unw zho

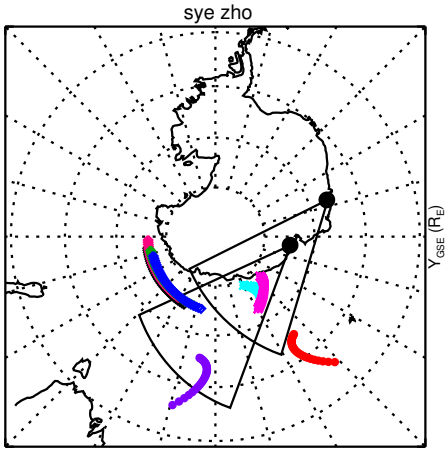


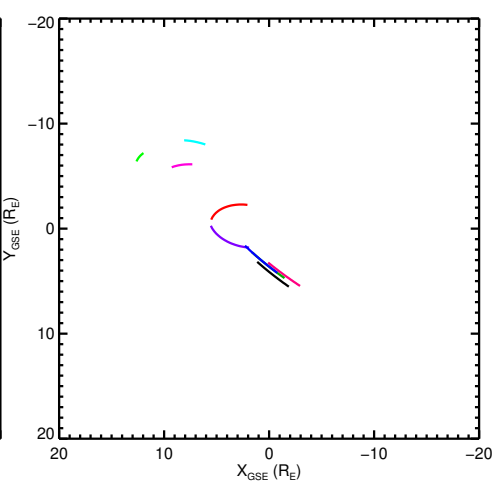


(b) 0410UT to 0650UT
adw hkw

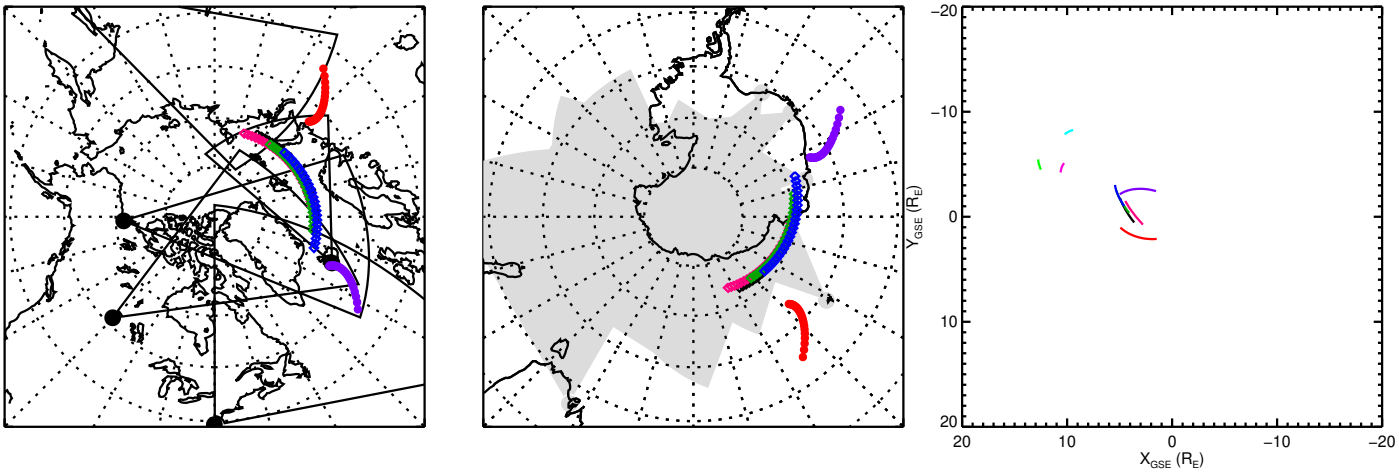


sye zho

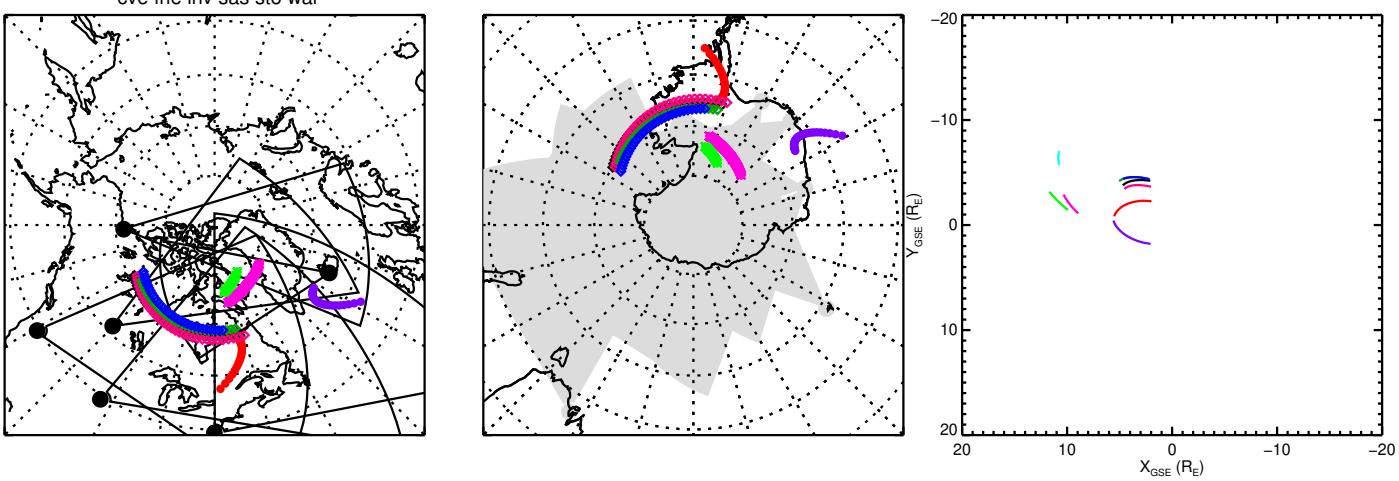




(c) 0855UT to 1100UT
hkw inv pyk sas wal

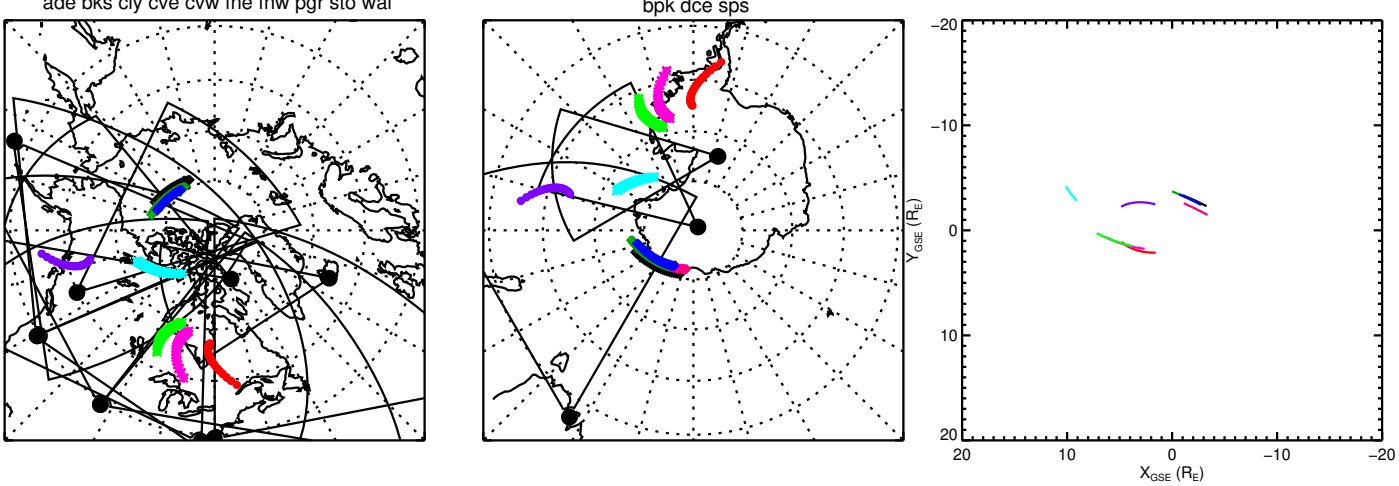


(d) 1305UT to 1550UT
cve fhe inv sas sto wal



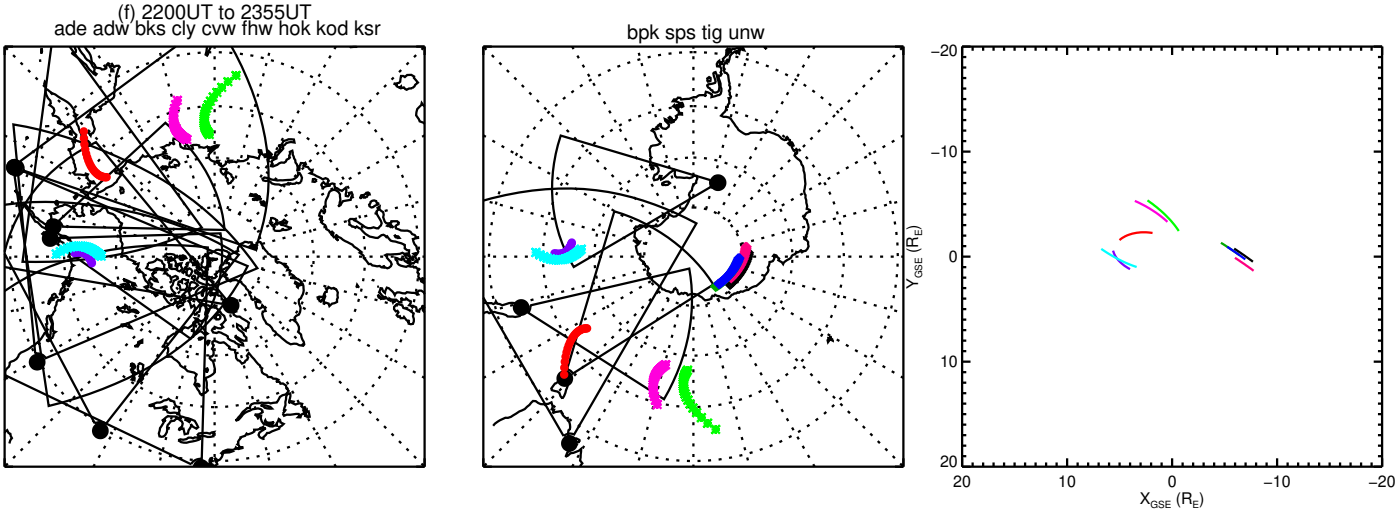
(e) 1800UT to 1955UT
ade bks cly cve cvw fhe fhw pgr sto wal

bpk dce sps



(f) 2200UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr

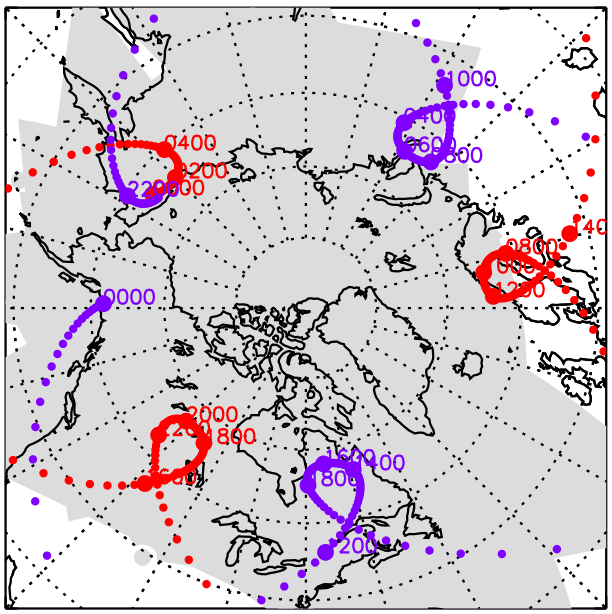
bpk sps tig unw

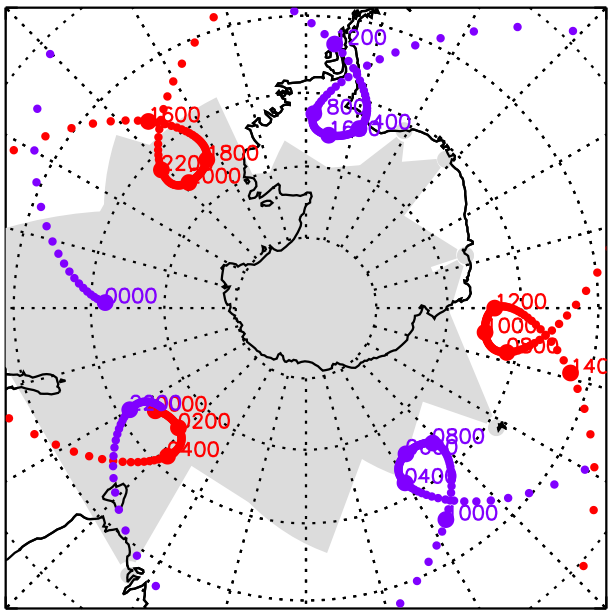


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

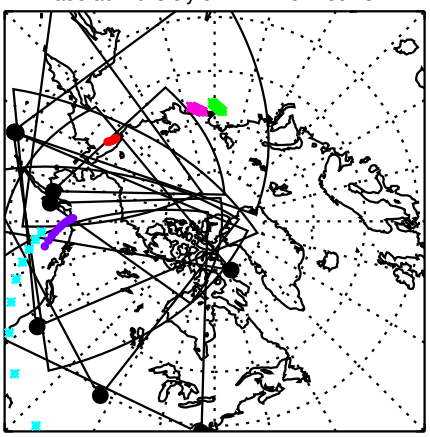
08–Oct–2017

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

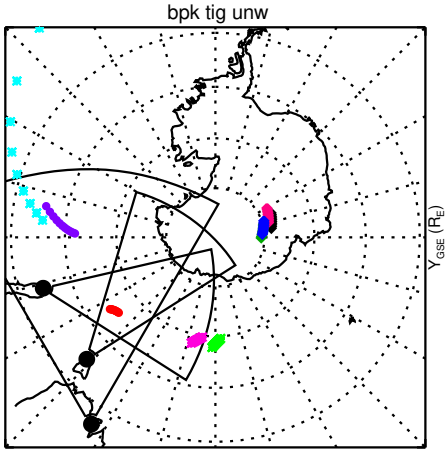


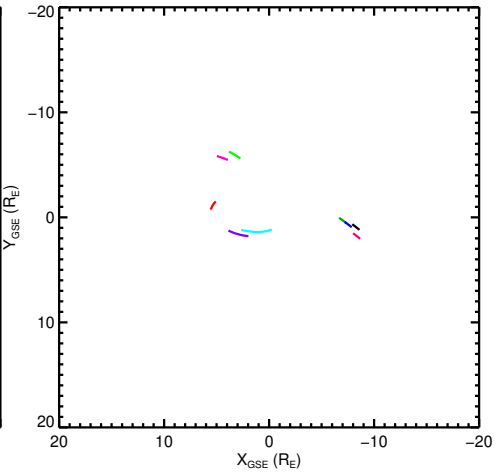


(a) 0000UT to 0055UT
ade adw bks cly cvw fhw hok kod ksr

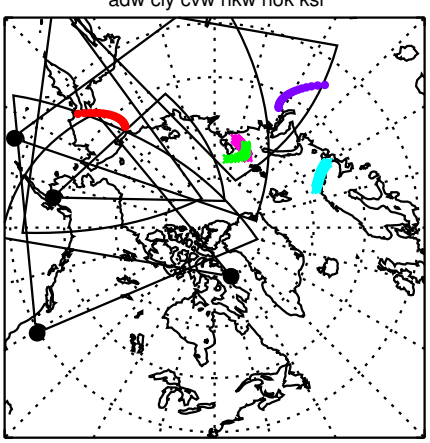


bpk tig unw

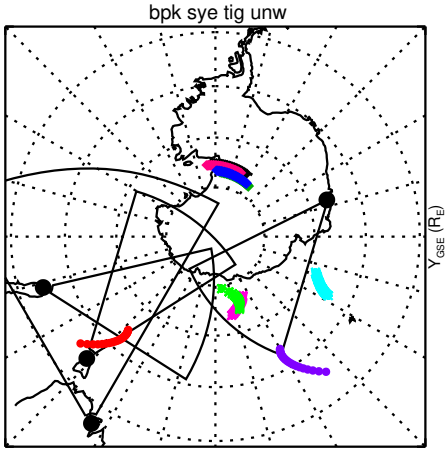


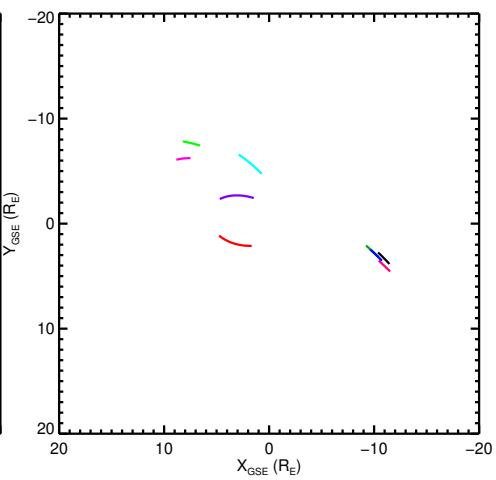


(b) 0300UT to 0450UT
adw cly cvw hkw hok ksr

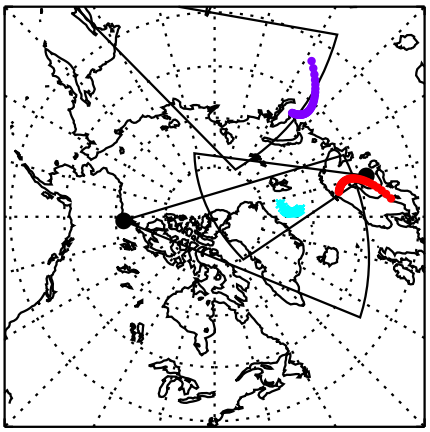


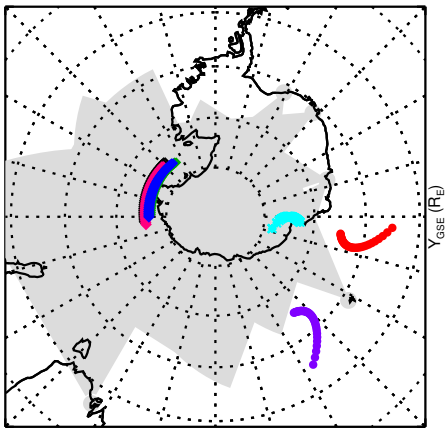
bpk sye tig unw

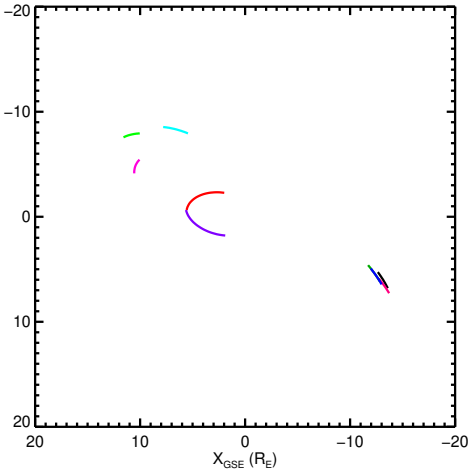




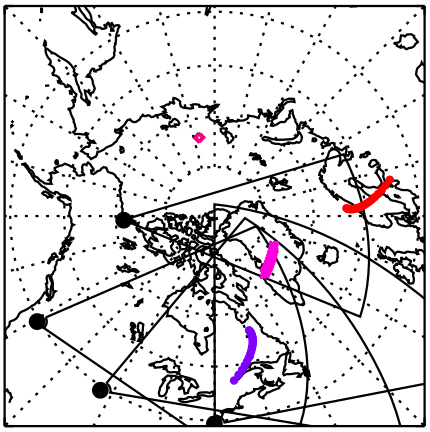
(c) 0700UT to 1000UT
han hkw inv

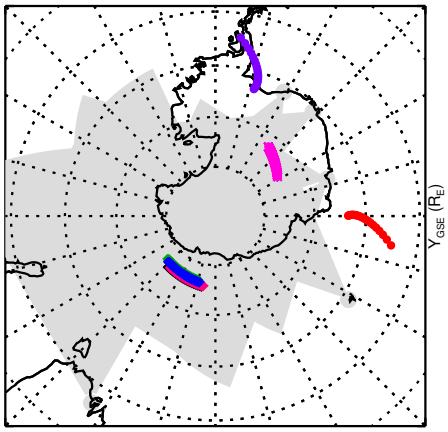


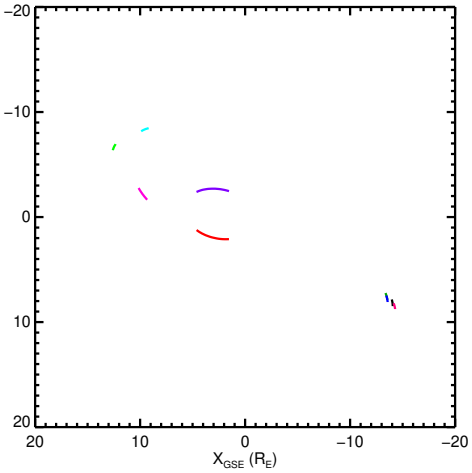




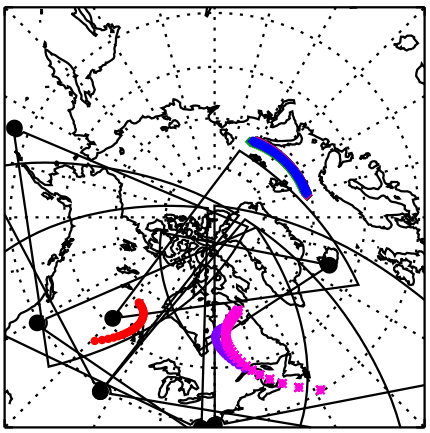
(d) 1205UT to 1350UT
cve fhe inv wal



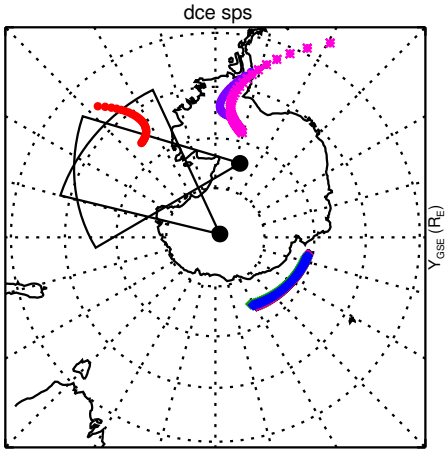


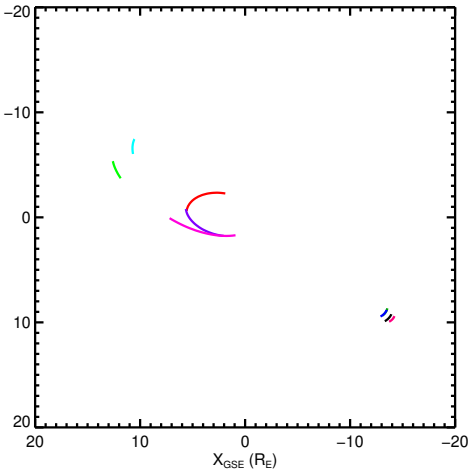


(e) 1555UT to 1900UT
ade bks cve fhe fhw sas sto wal

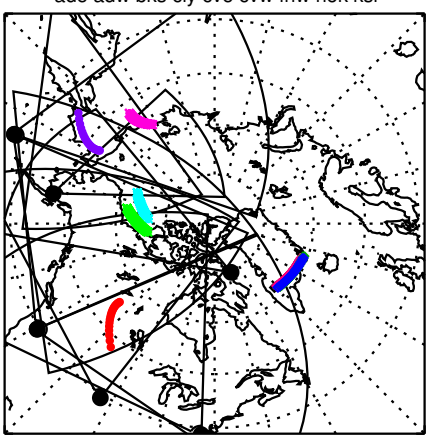


dce sps

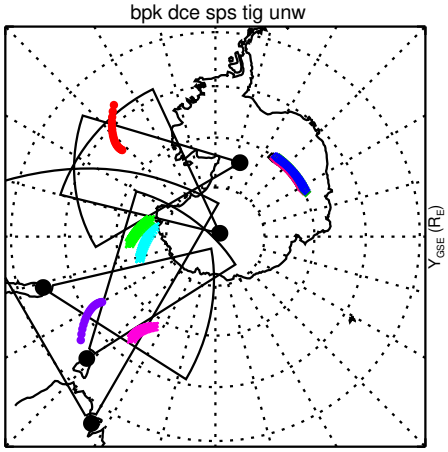


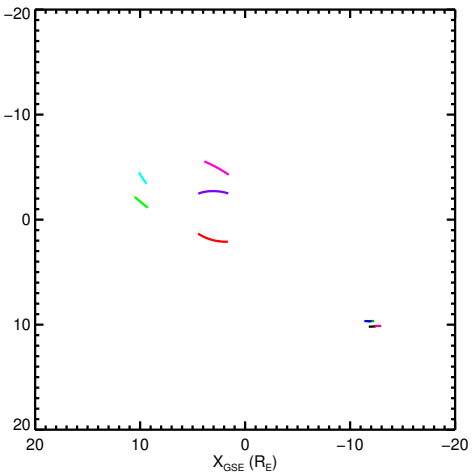


(f) 2110UT to 2245UT
ade adw bks cly cve cvw fhw hok ksr



bpk dce sps tig unw

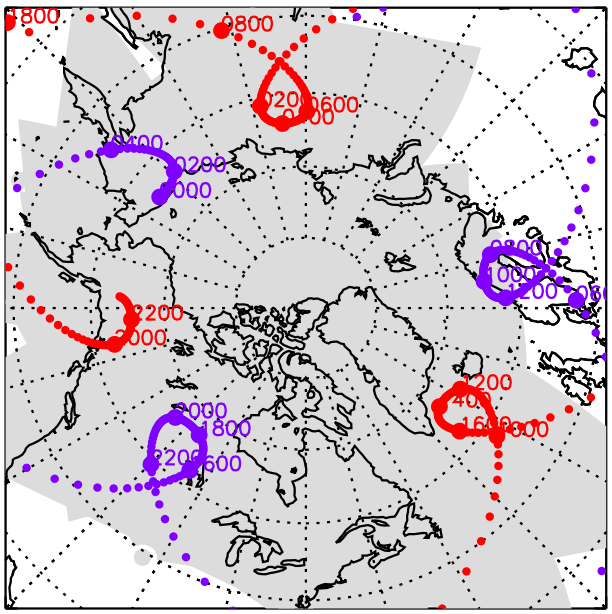


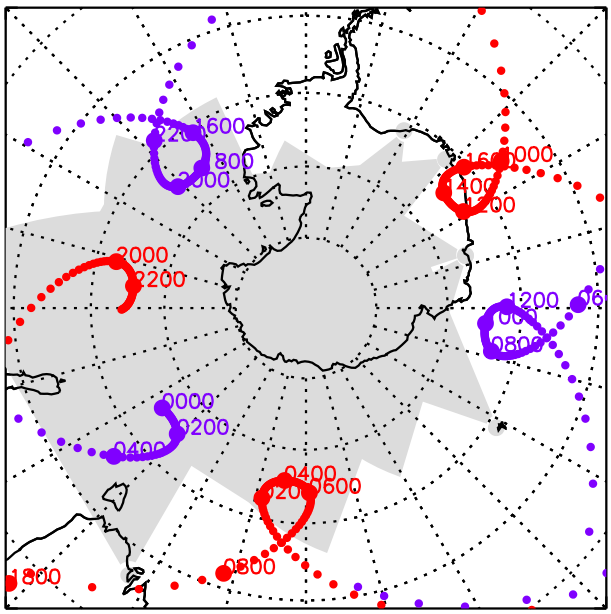


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

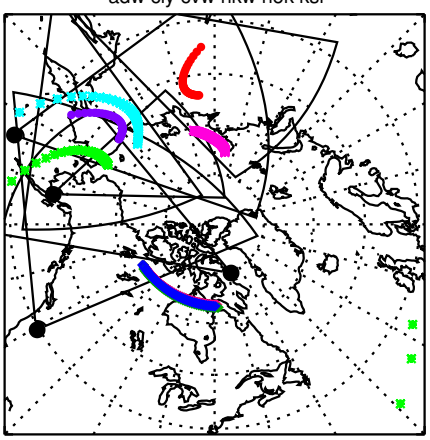
09–Oct–2017

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

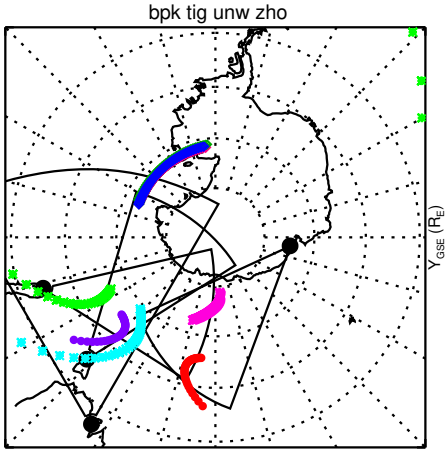


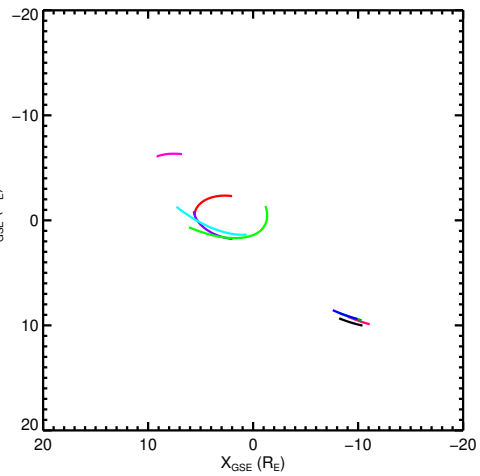


(a) 0055UT to 0405UT
adw cly cvw hkw hok ksr

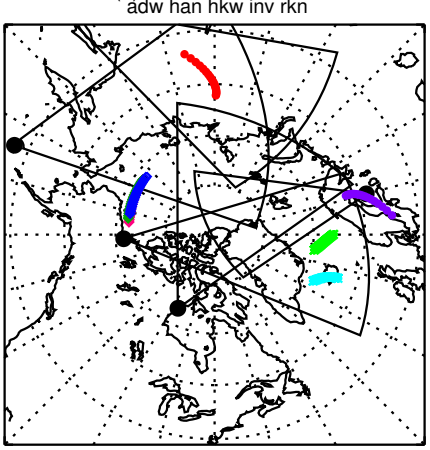


bpk tig unw zho

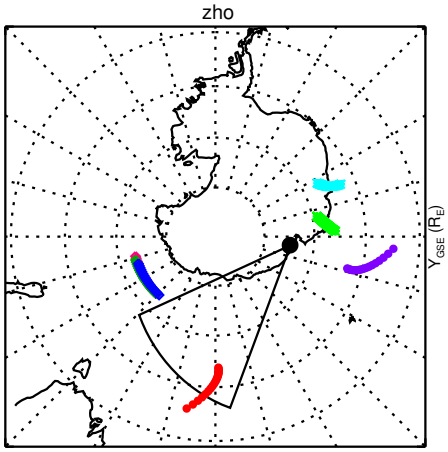


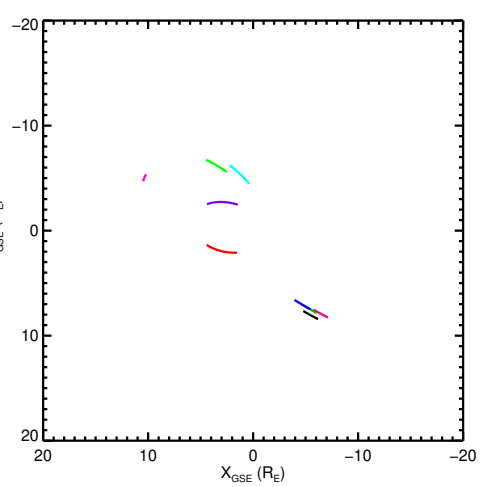


(b) 0610UT to 0745UT
adw han hkw inv rkn

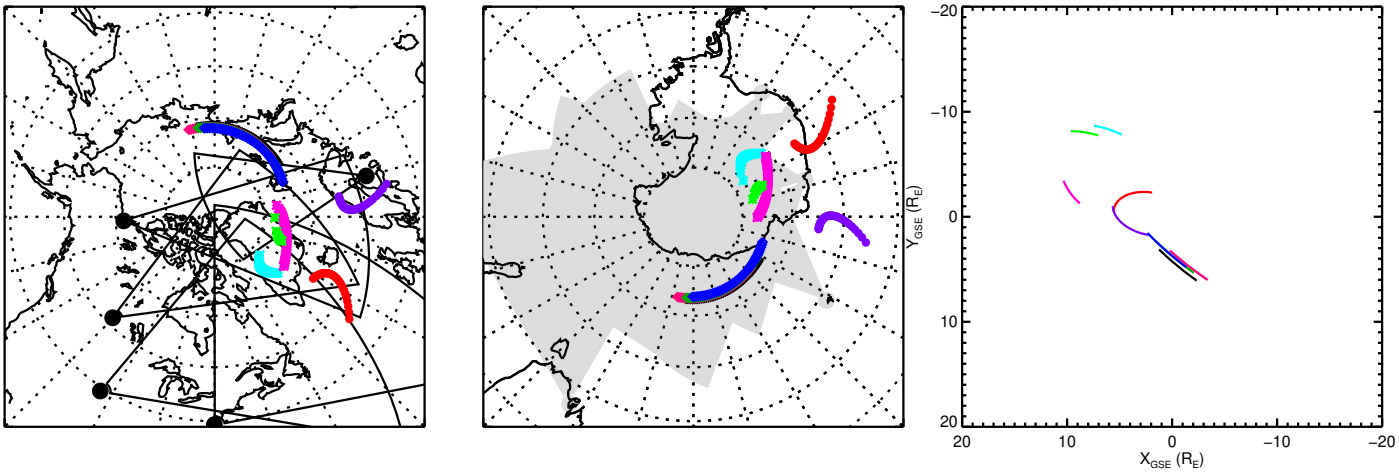


zho



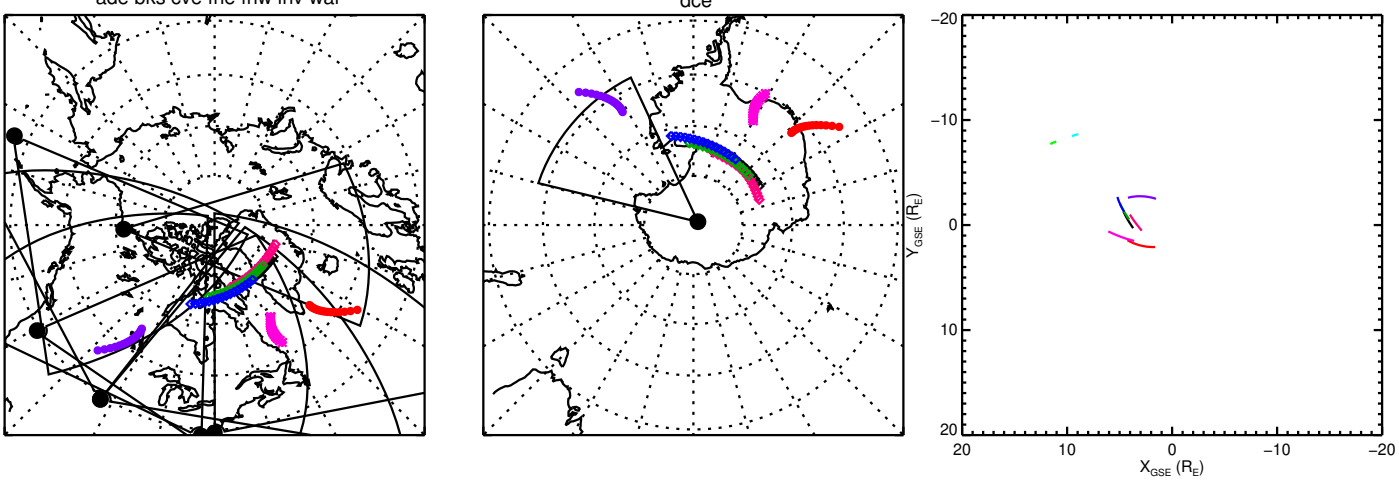


(c) 0950UT to 1305UT
fhe han inv sas wal



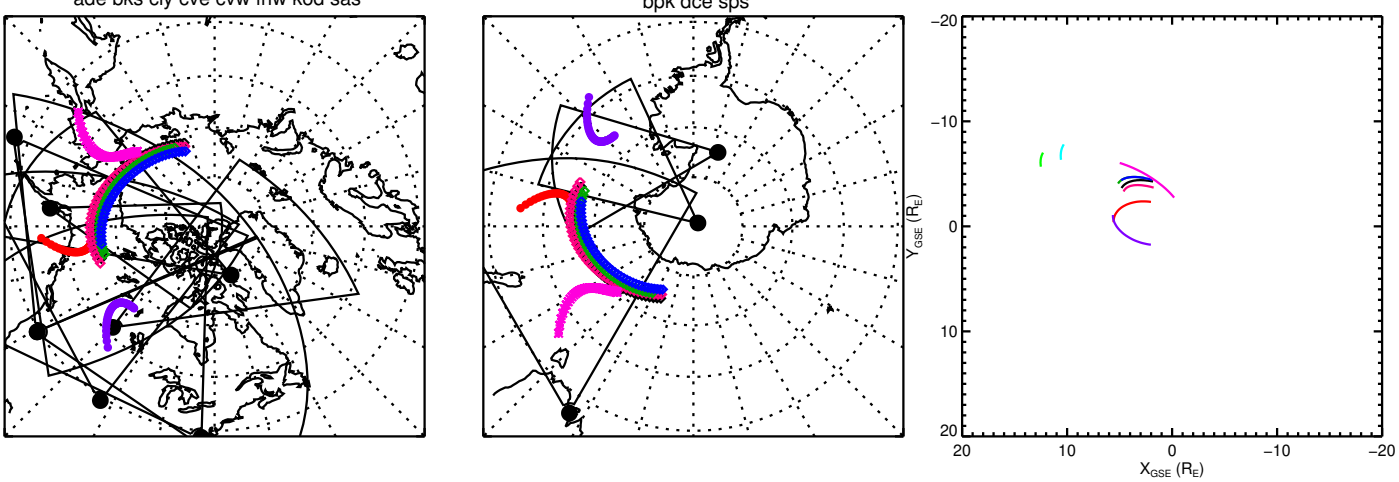
(d) 1515UT to 1640UT
ade bks cve fhe fhw inv wal

dce



(e) 1850UT to 2210UT
ade bks cly cve cvw fhw kod sas

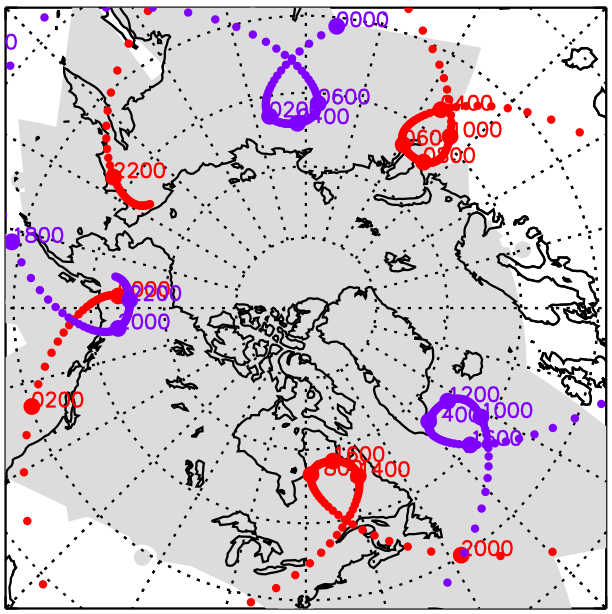
bpk dce sps

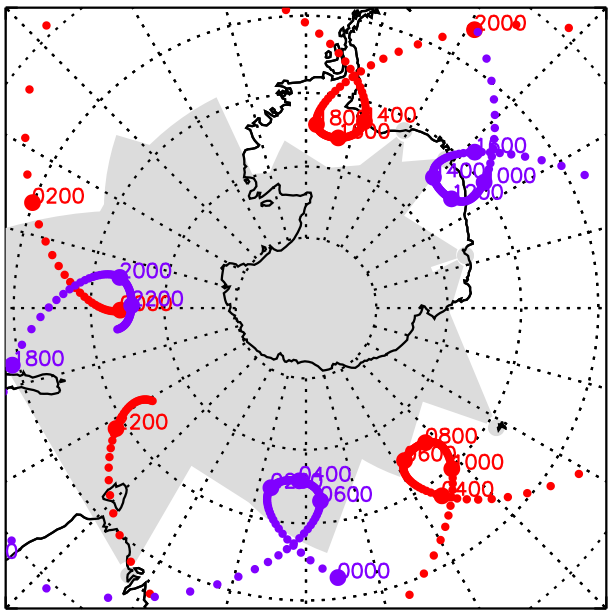


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

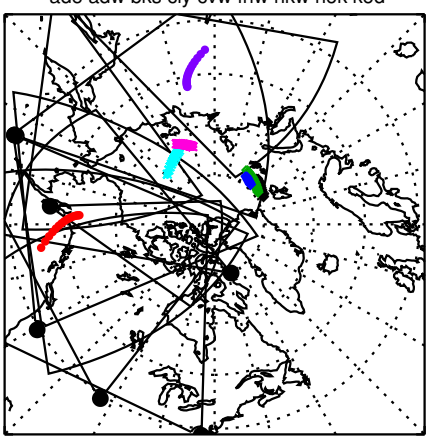
10–Oct–2017

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

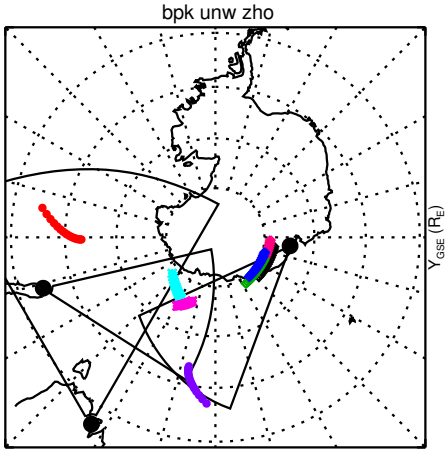


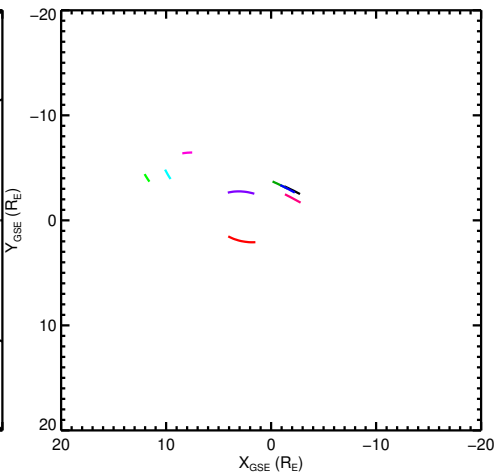


(a) 0020UT to 0140UT
ade adw bks cly cvw fhw hkw hok kod

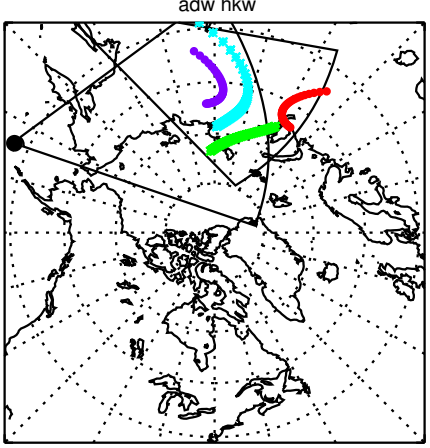


bpk unw zho

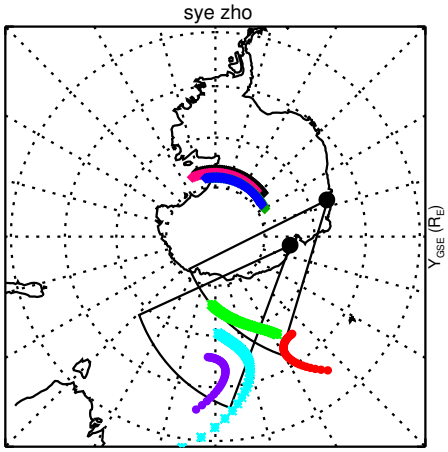


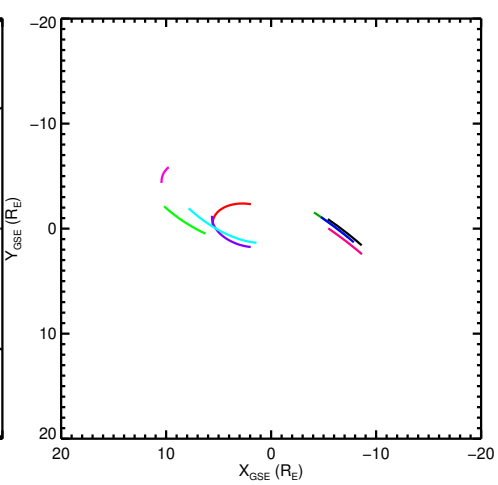


(b) 0345UT to 0715UT
adw hkw

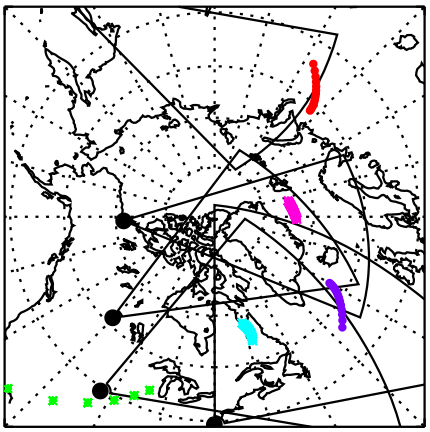


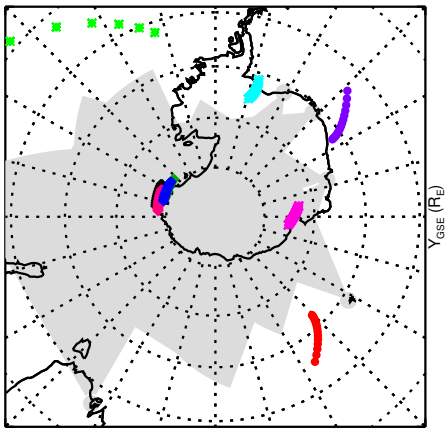
sye zho

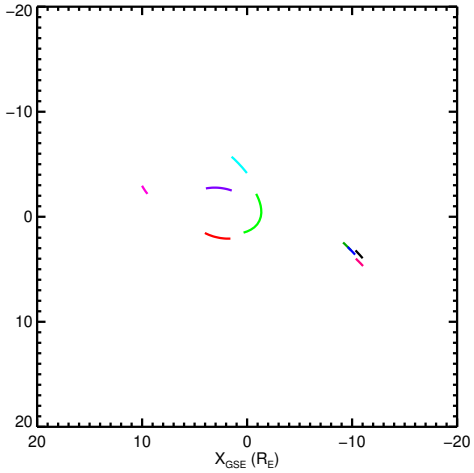




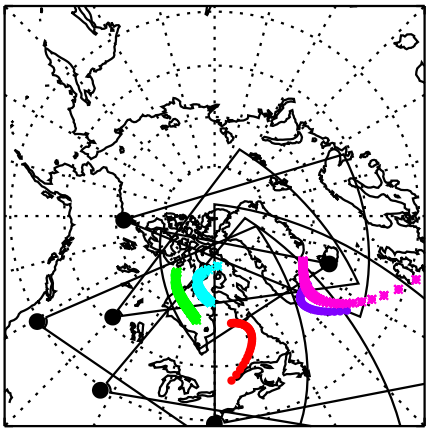
(c) 0920UT to 1035UT
fhe hkw inv sas wal



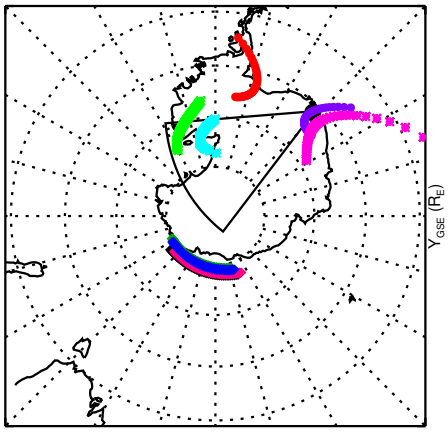


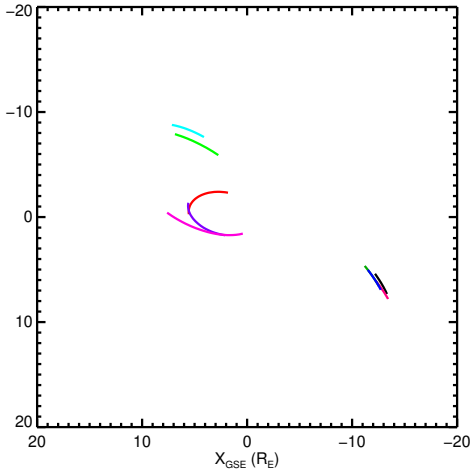


(d) 1240UT to 1615UT
cve fhe inv sas sto wal

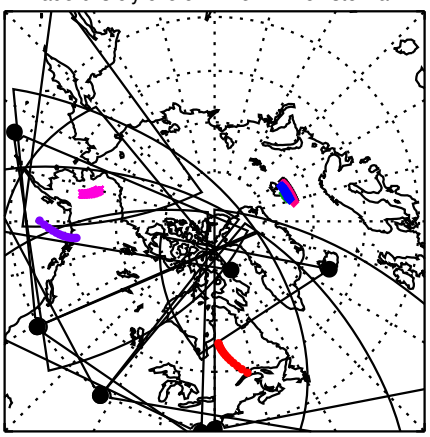


san

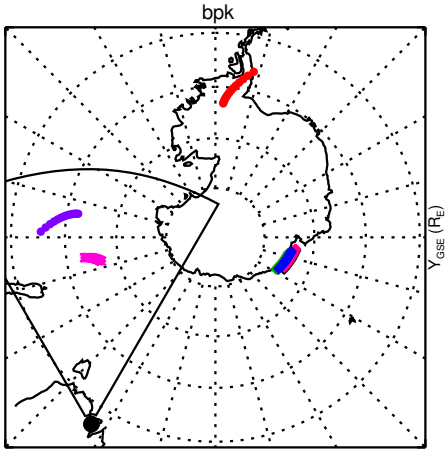


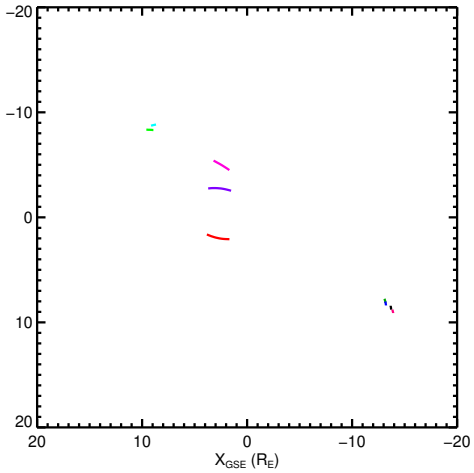


(e) 1825UT to 1930UT
ade bks cly cve cvw fhe fhw hok sto wal

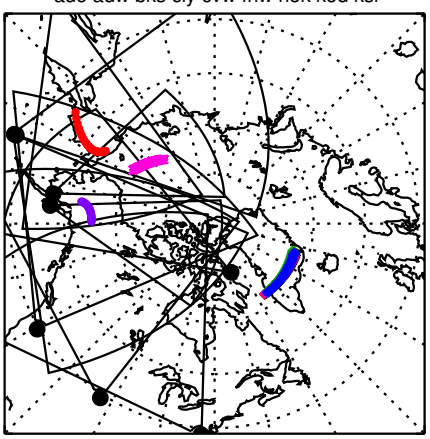


bpk

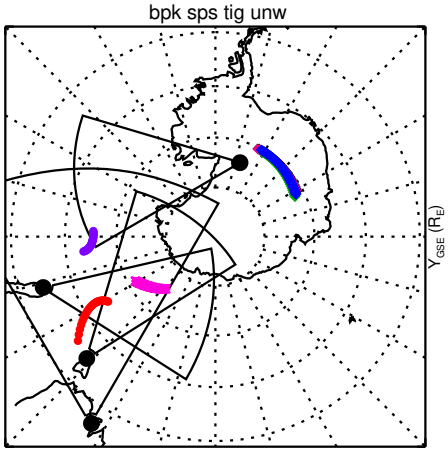


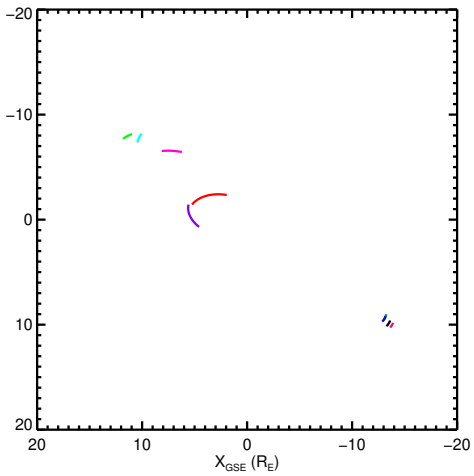


(f) 2140UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw

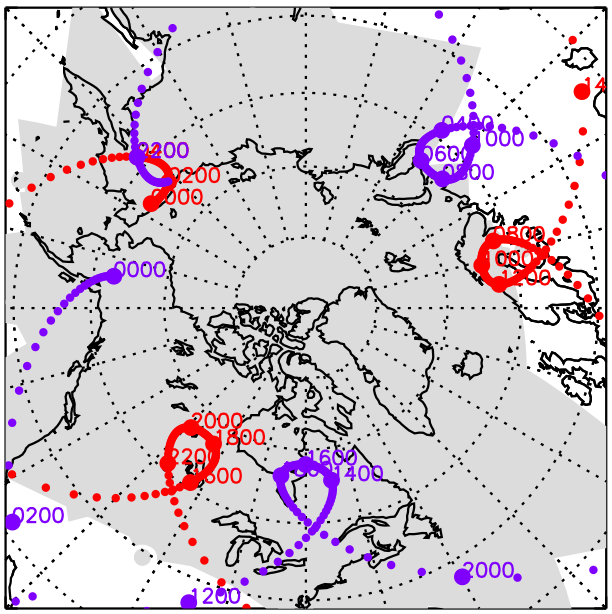


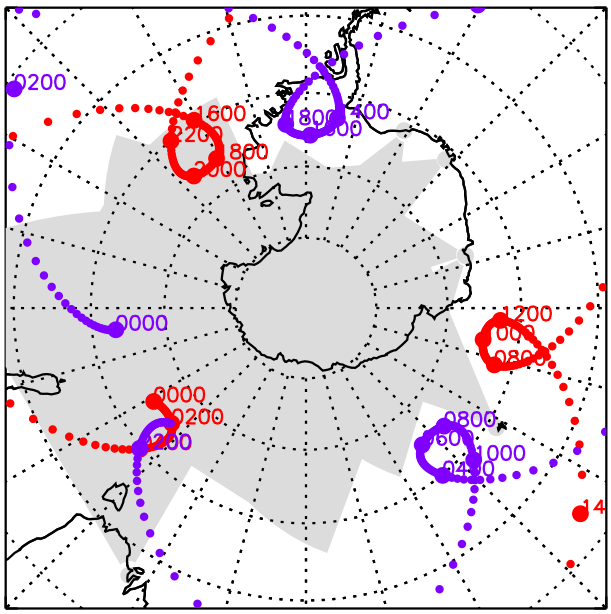


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

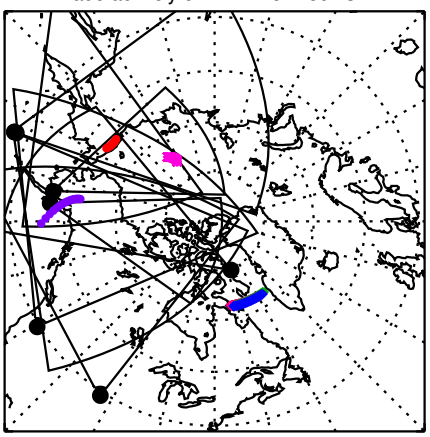
11−Oct−2017

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

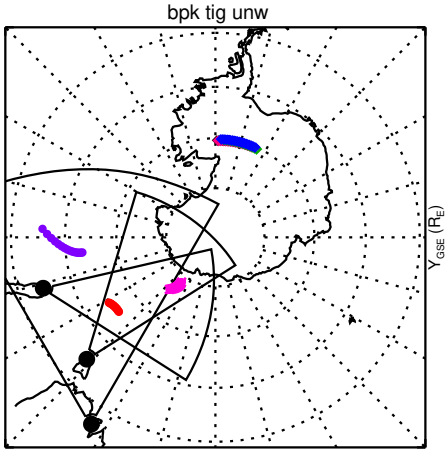


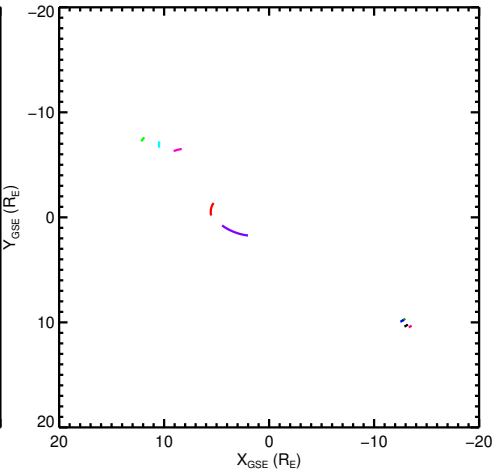


(a) 0000UT to 0120UT
ade adw cly cvw fhw hok kod ksr

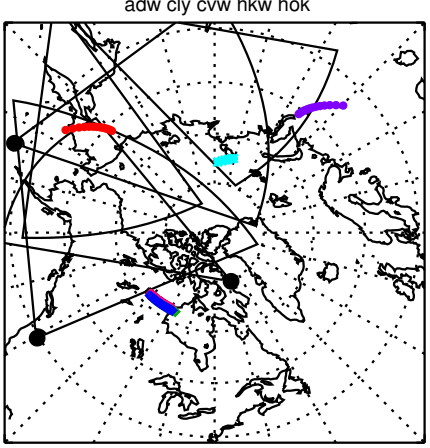


bpk tig unw

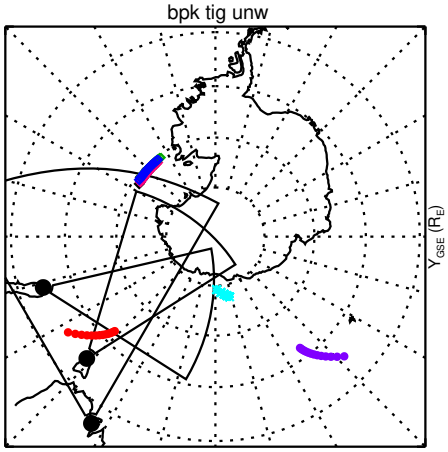


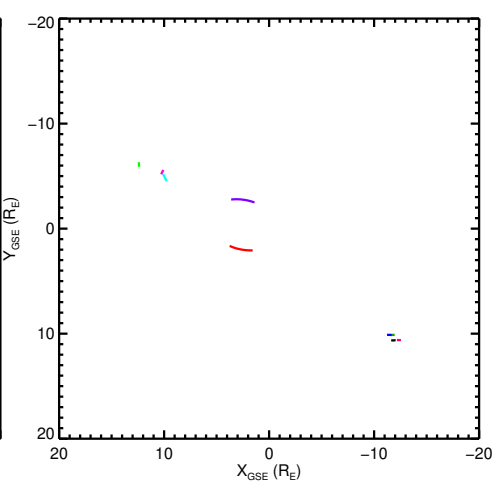


(b) 0325UT to 0430UT
adw cly cvw hkw hok

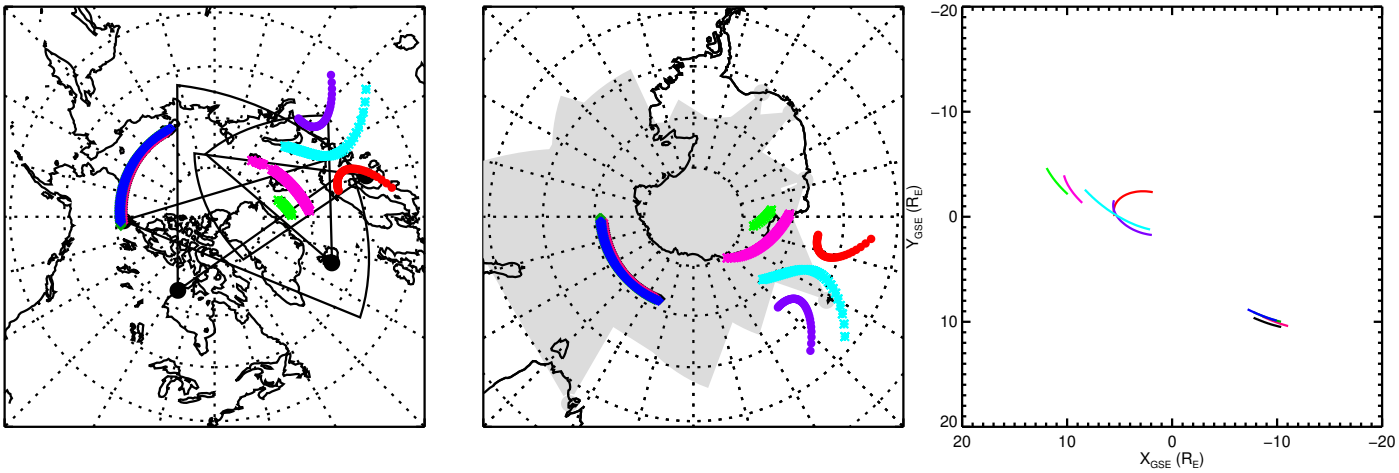


bpk tig unw

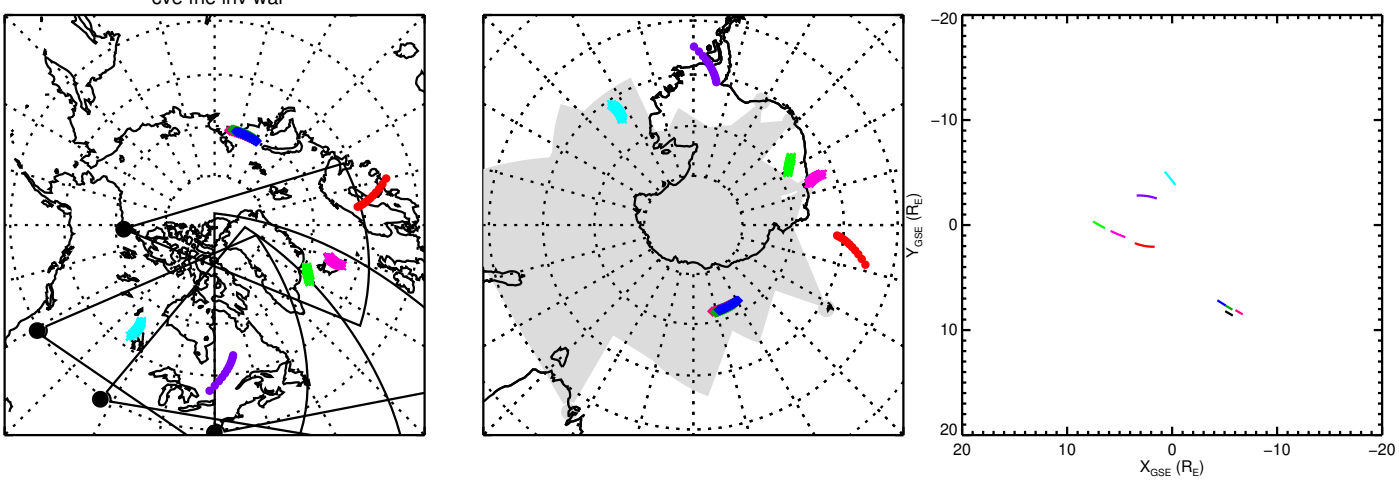




(c) 0635UT to 1025UT
han inv pyk rkn

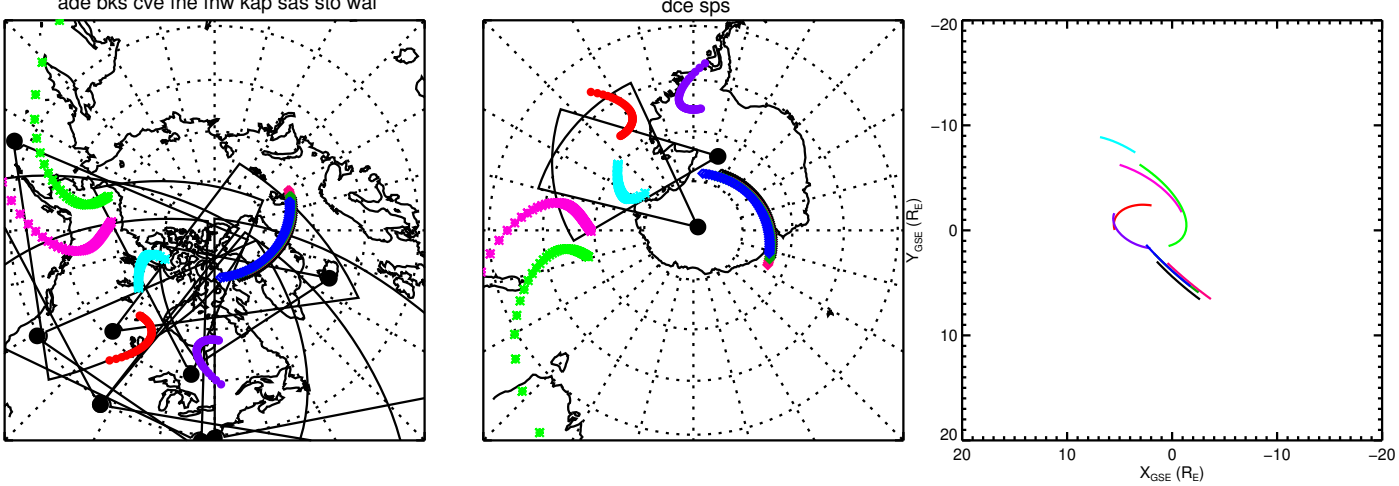


(d) 1230UT to 1325UT
cve fhe inv wal



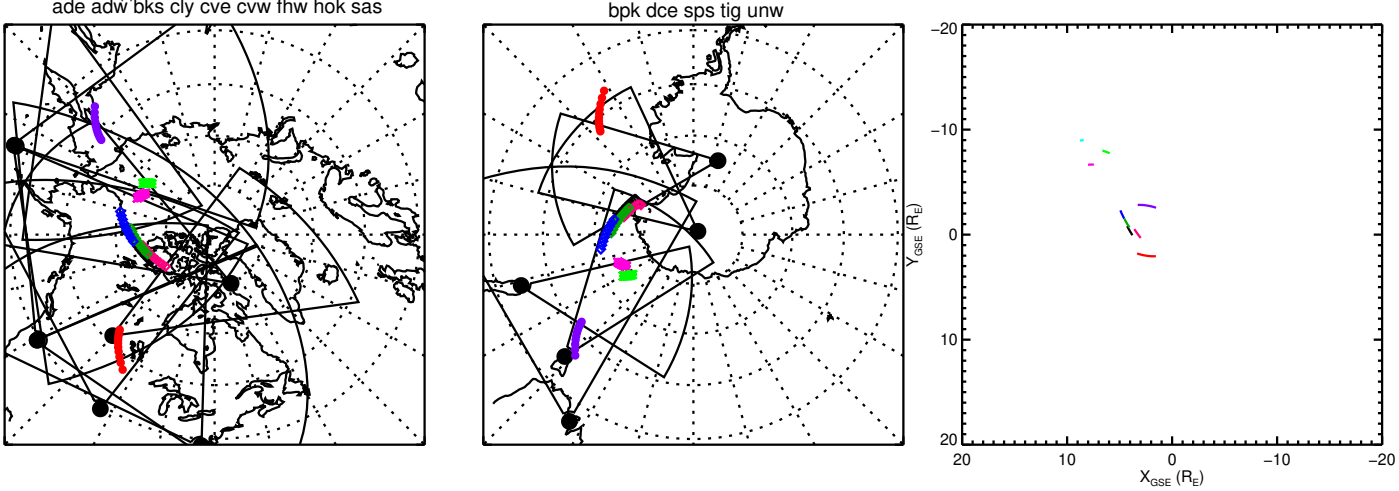
(e) 1535UT to 1925UT
ade bks cve fhe fhw kap sas sto wal

dce sps



(f) 2135UT to 2225UT
ade adw bks cly cve cvw fhw hok sas

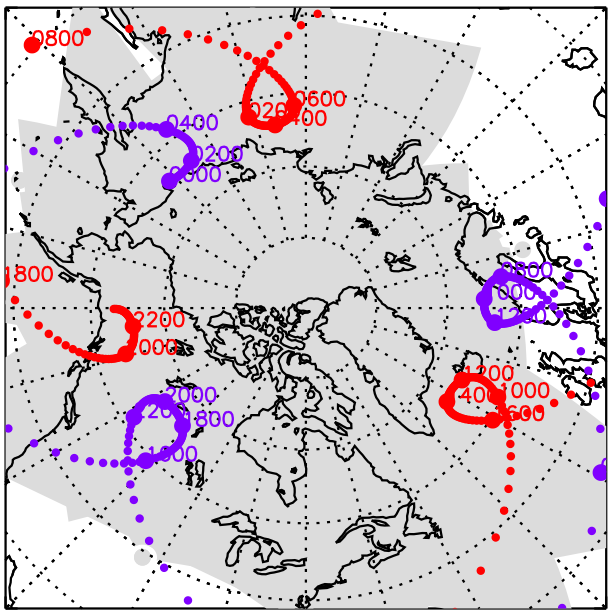
bpk dce sps tig unw

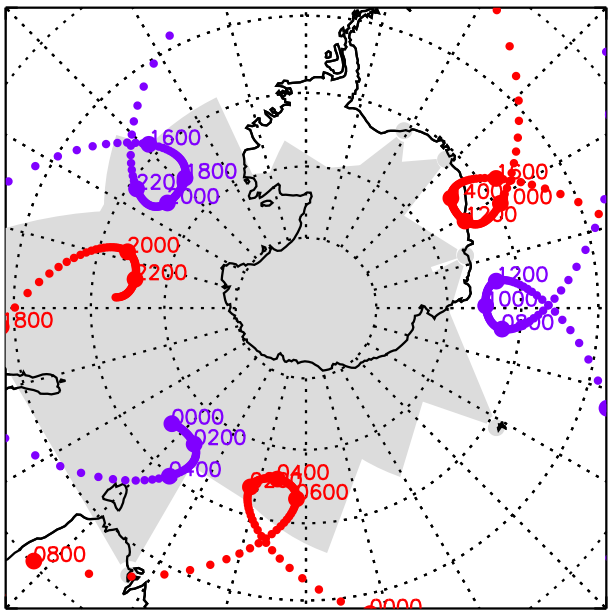


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

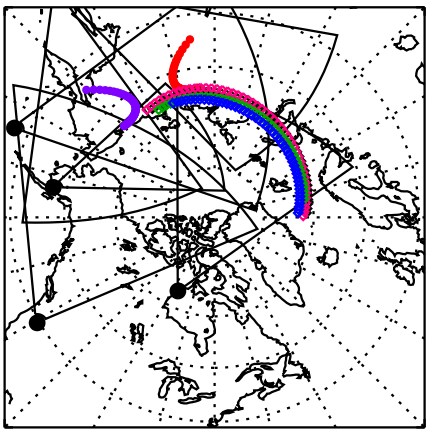
12–Oct–2017

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

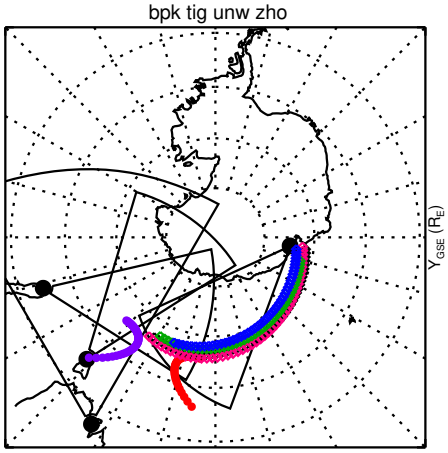


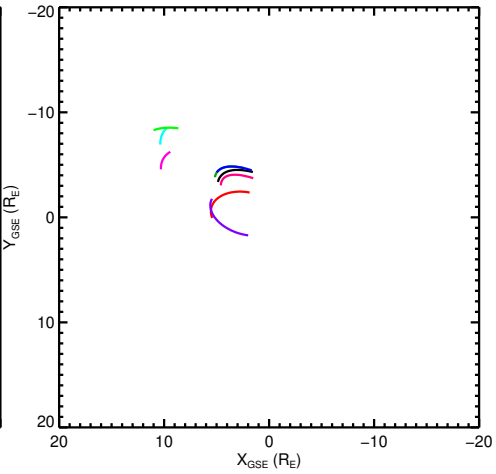


(a) 0030UT to 0430UT
adw cvw hkw hok ksr rkn

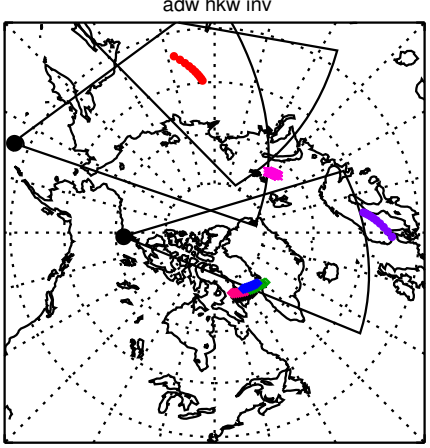


bpk tig unw zho

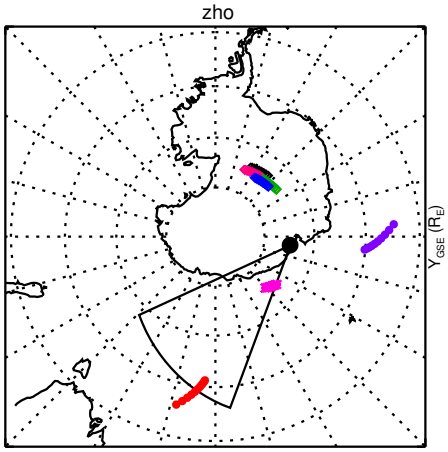


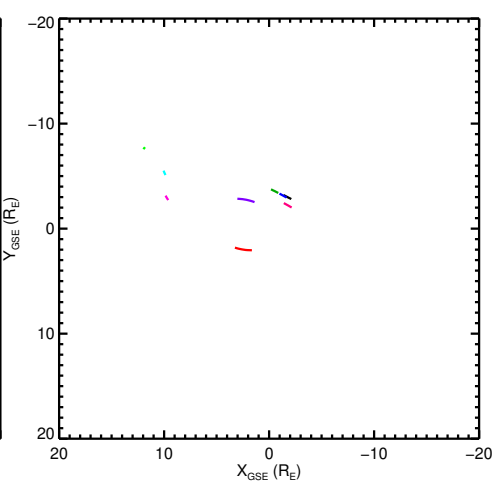


(b) 0635UT to 0720UT
adw hkw inv

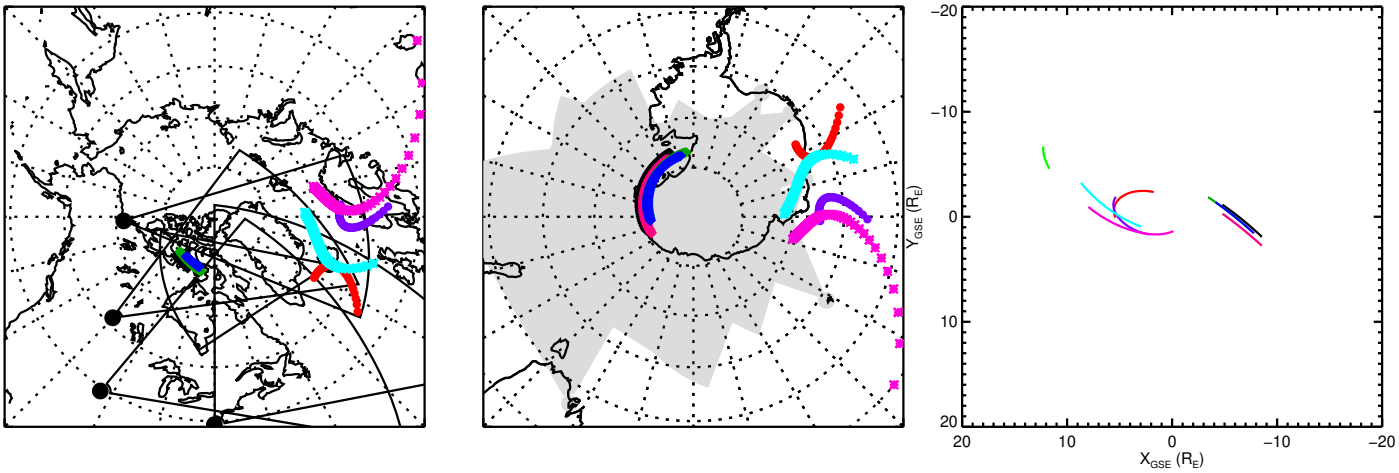


zho



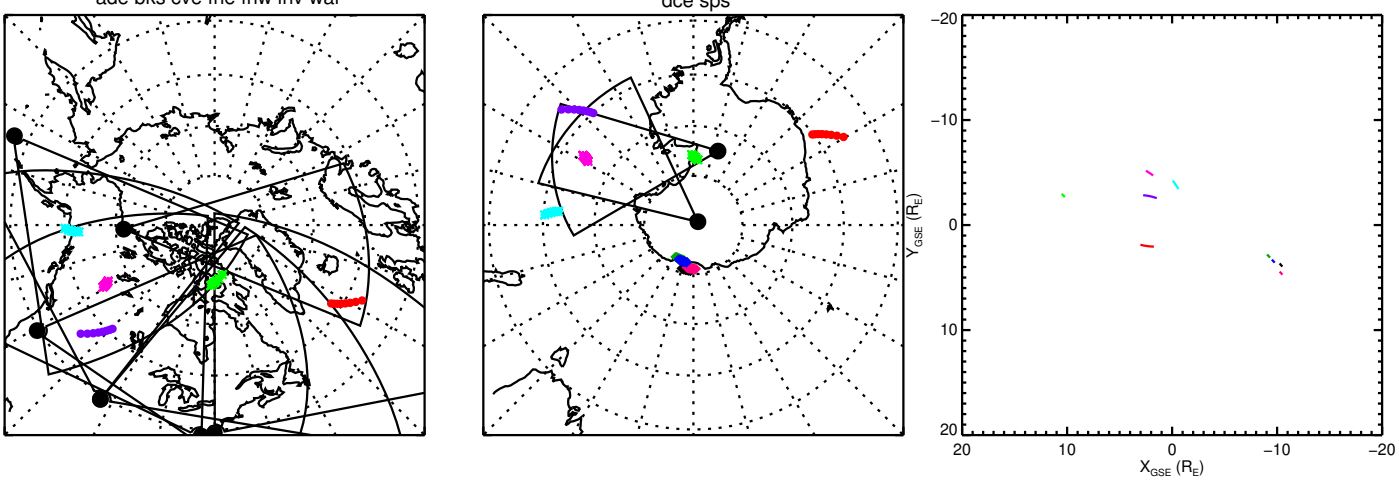


(c) 0925UT to 1330UT
fhe inv sas sto wal



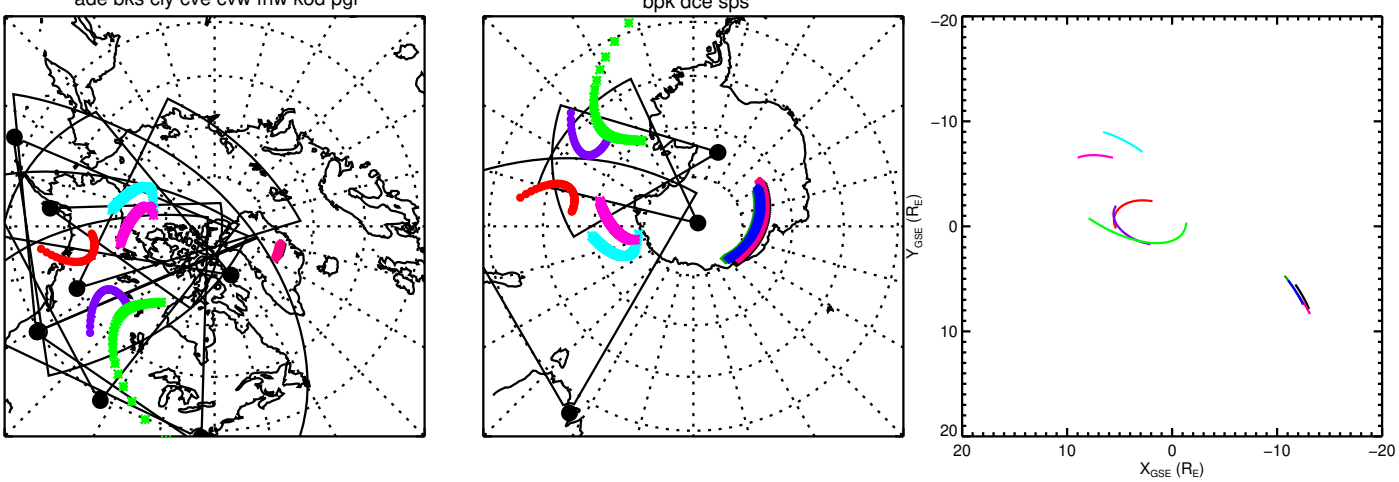
(d) 1540UT to 1615UT
ade bks cve fhe fhw inv wal

dce sps



(e) 1825UT to 2235UT
ade bks cly cve cvw fhw kod pgr

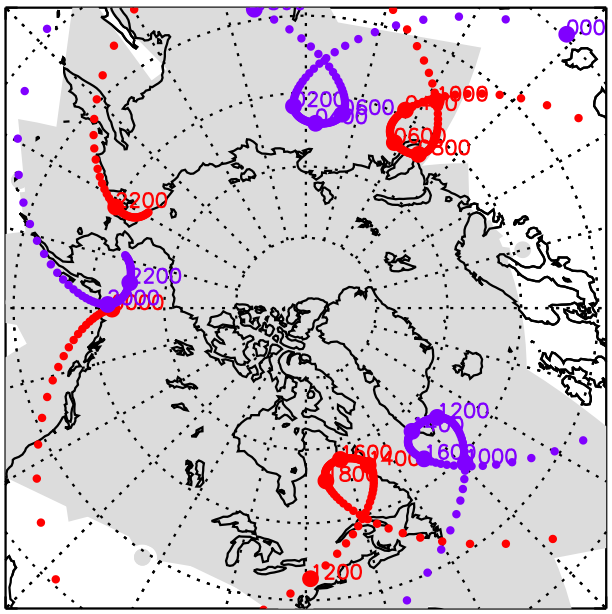
bpk dce sps

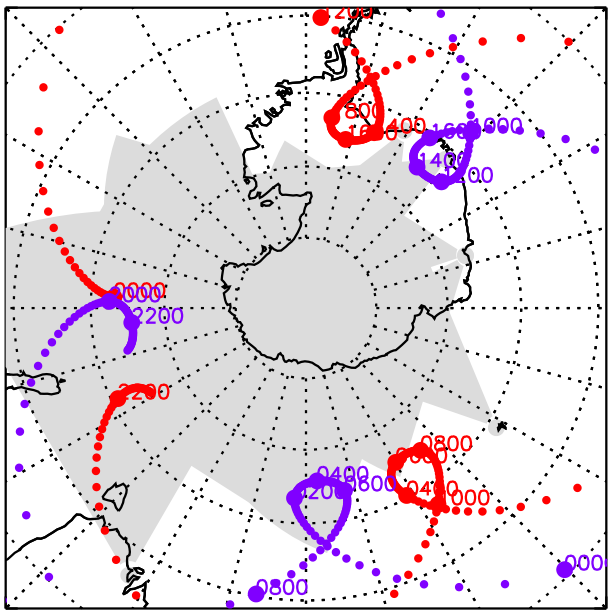


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

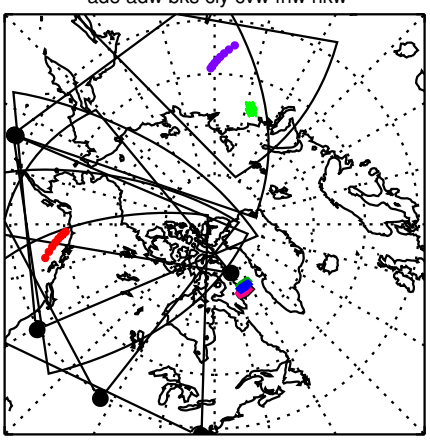
13–Oct–2017

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

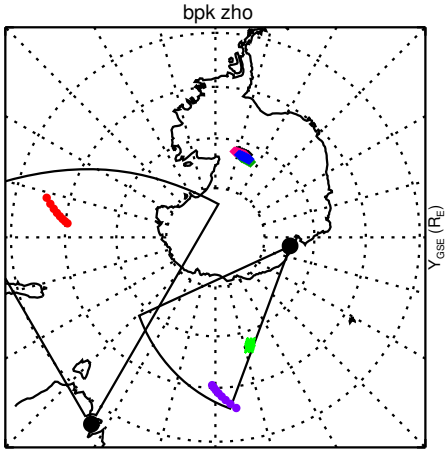


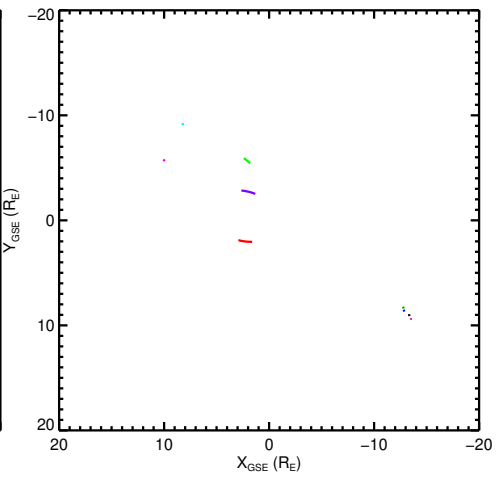


(a) 0040UT to 0115UT
ade adw bks cly cvw fhw hkw

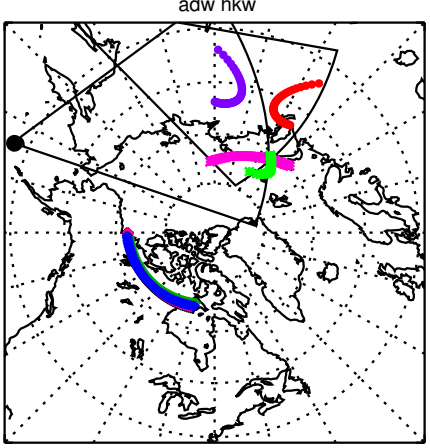


bpk zho

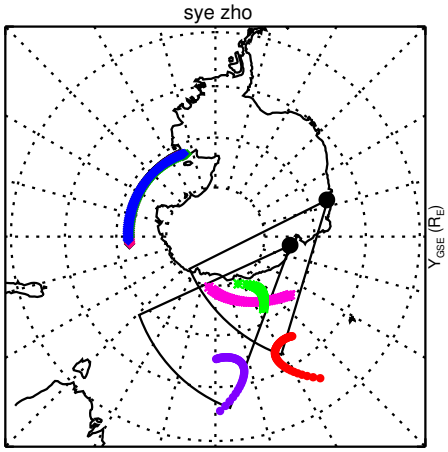


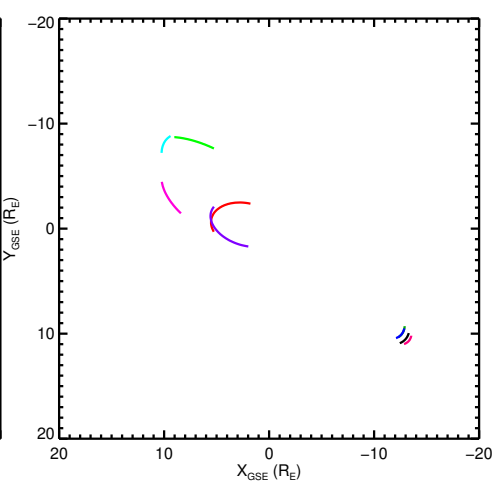


(b) 0320UT to 0740UT
adw hkw

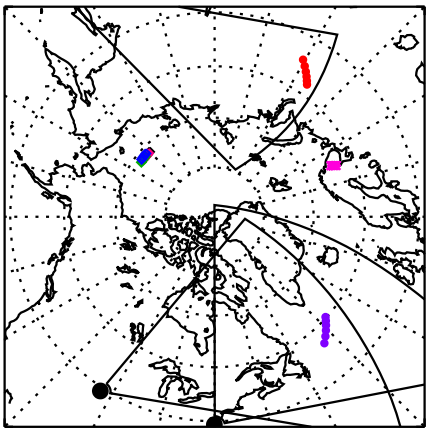


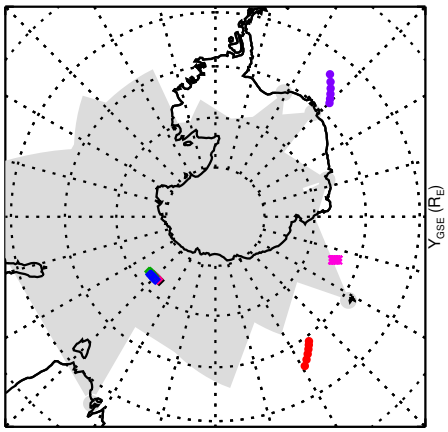
sye zho

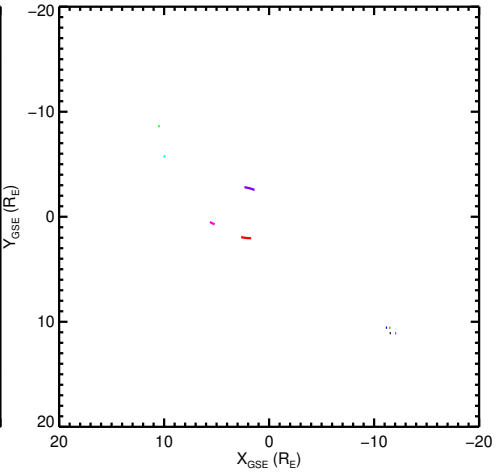




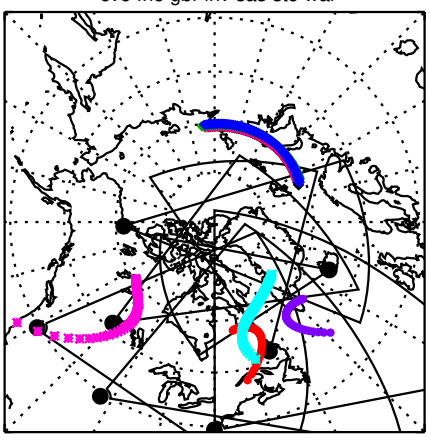
(c) 0945UT to 1010UT
fhe hkw wal



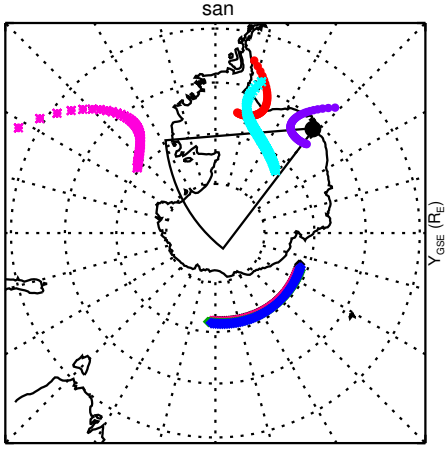


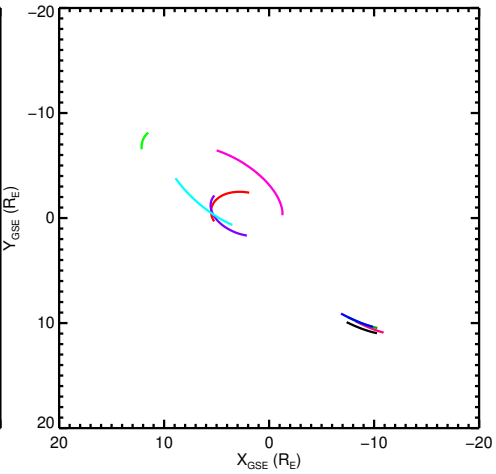


(d) 1220UT to 1640UT
cve fhe gbr inv sas sto wal

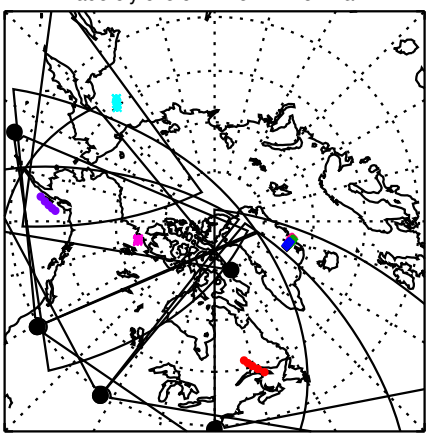


san

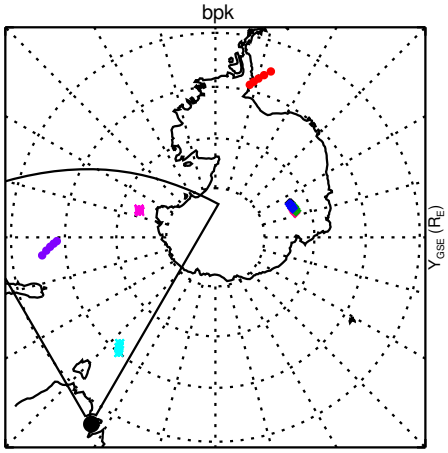


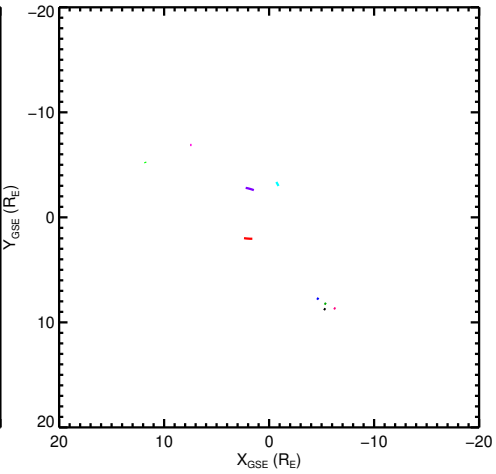


(e) 1850UT to 1910UT
ade cly cve cvw fhe fhw hok wal

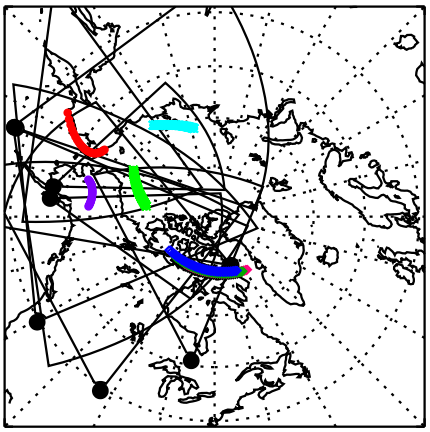


bpk

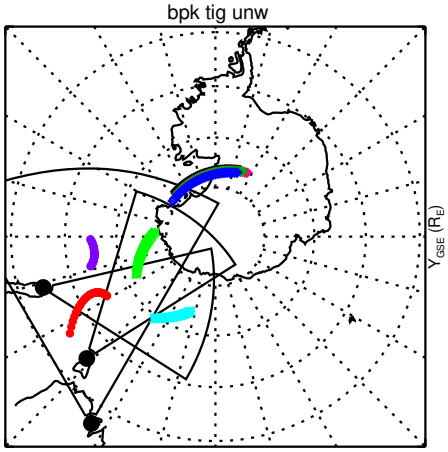


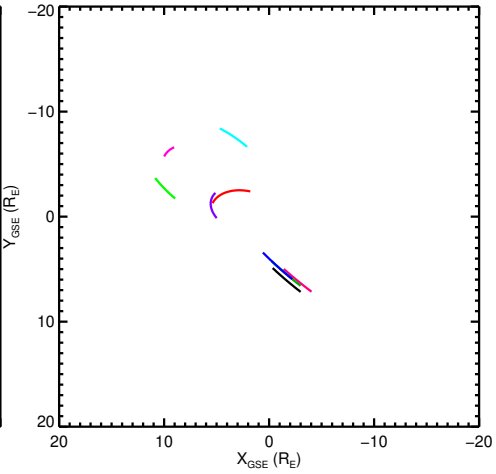


(f) 2115UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr



bpk tig unw

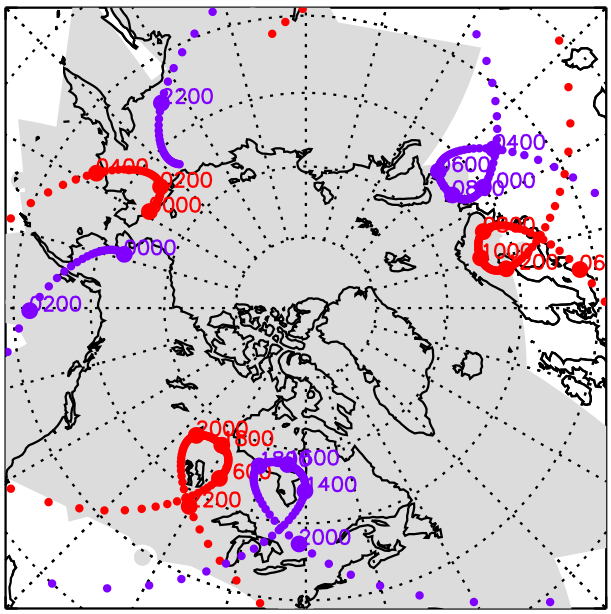


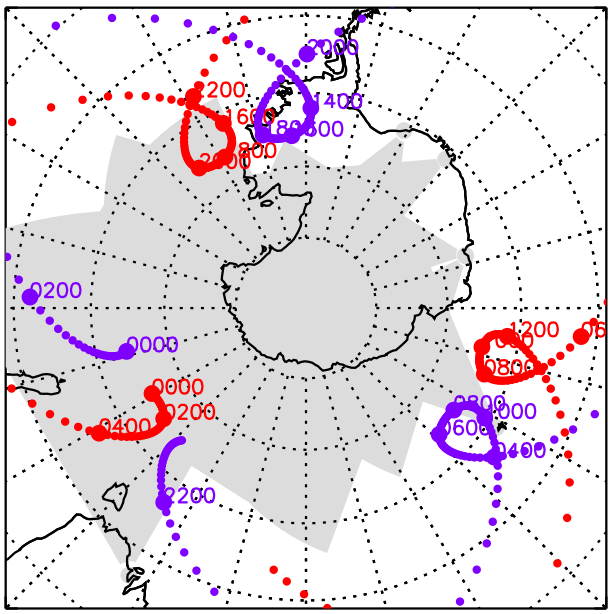


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

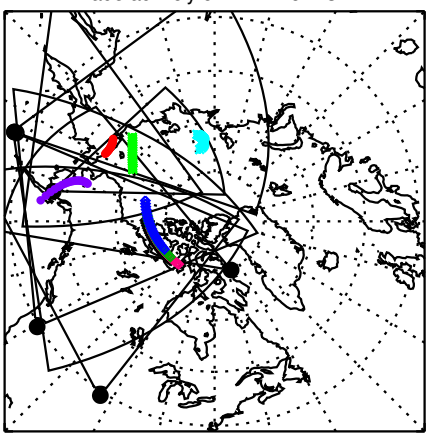
14–Oct–2017

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

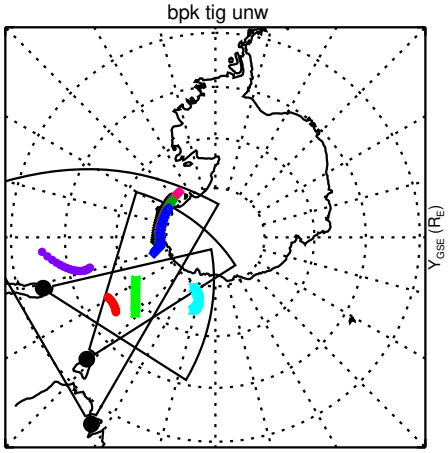


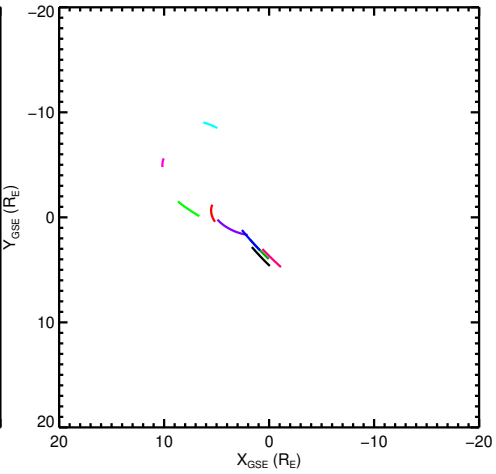


(a) 0000UT to 0145UT
ade adw cly cvw fhw hok ksr

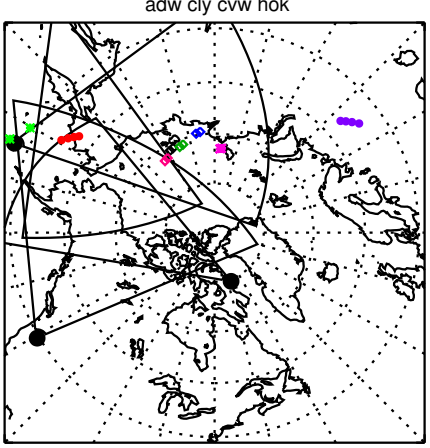


bpk tig unw

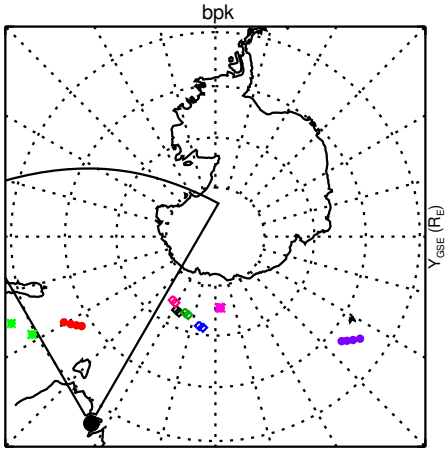


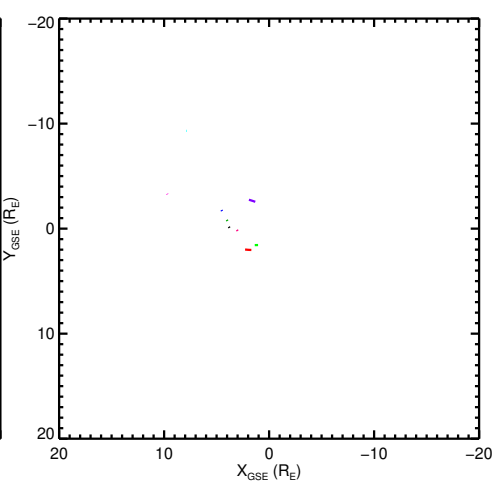


(b) 0350UT to 0405UT
adw cly cvw hok

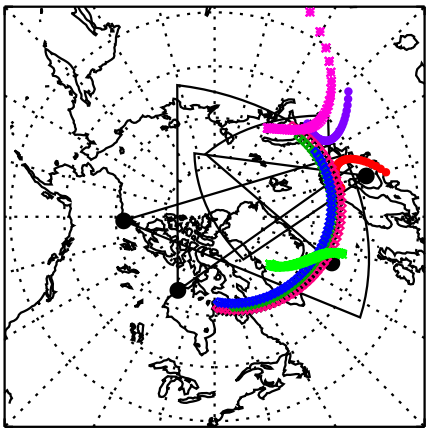


bpk

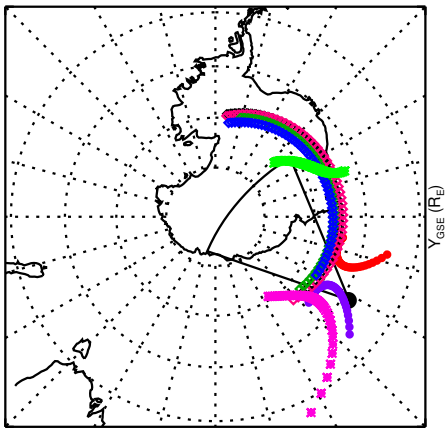


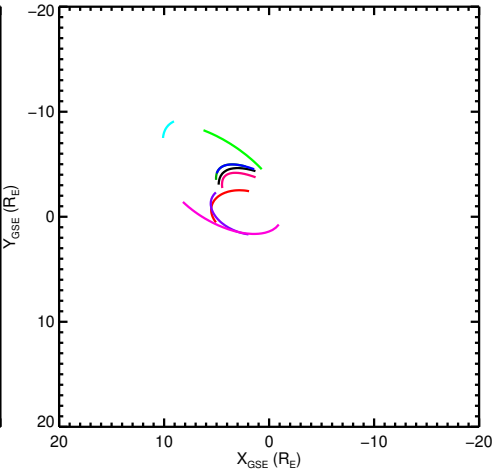


(c) 0615UT to 1050UT
han inv pyk rkn

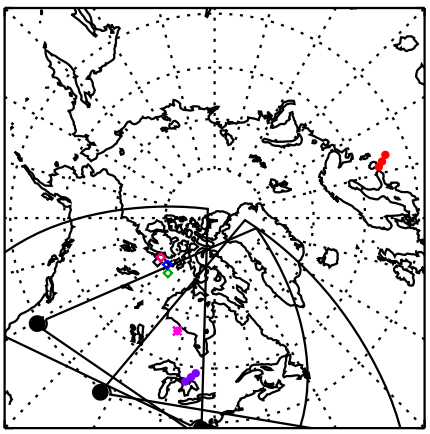


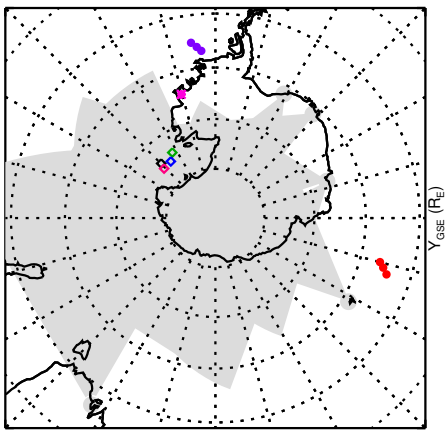
ker

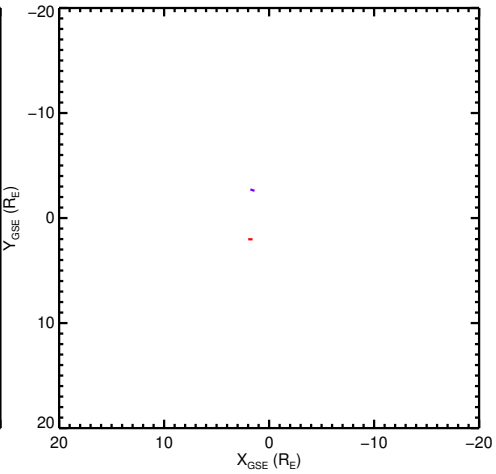




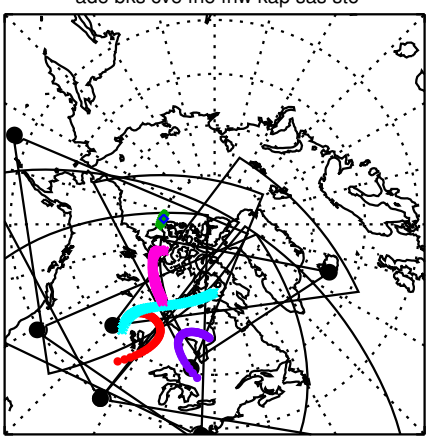
(d) 1255UT to 1305UT
bks cve fhe



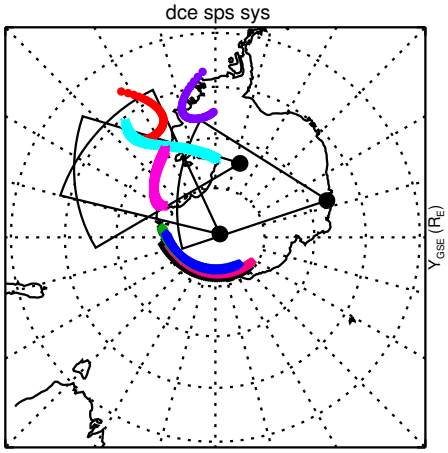


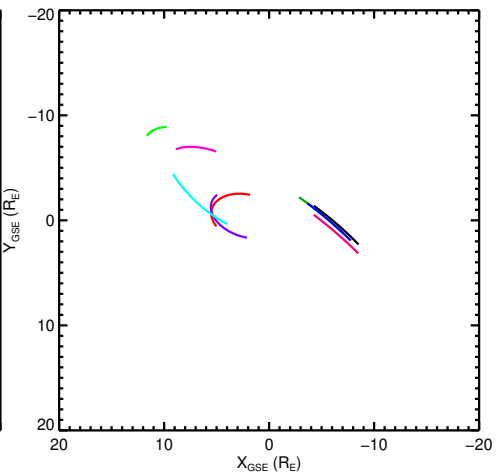


(e) 1510UT to 1950UT
ade bks cve fhe fhw kap sas sto

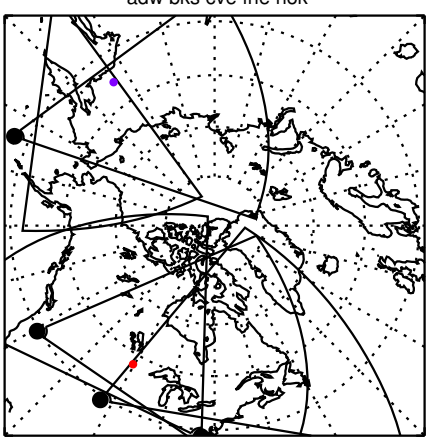


dce sps sys

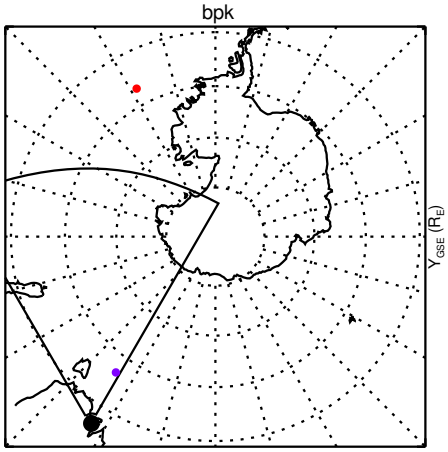


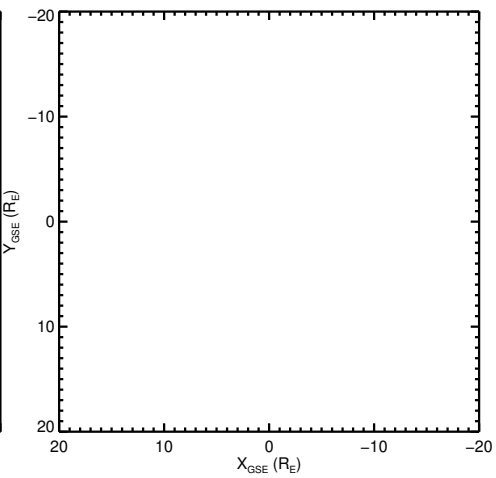


(f) 2200UT to 2200UT
adw bks cve fhe hok



bpk

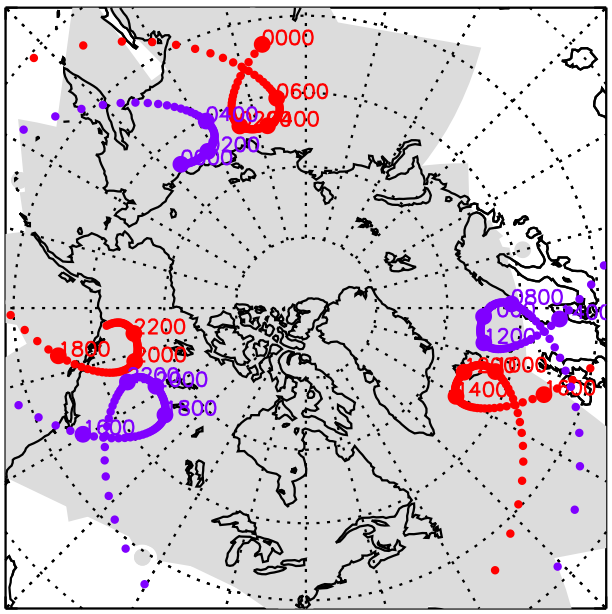


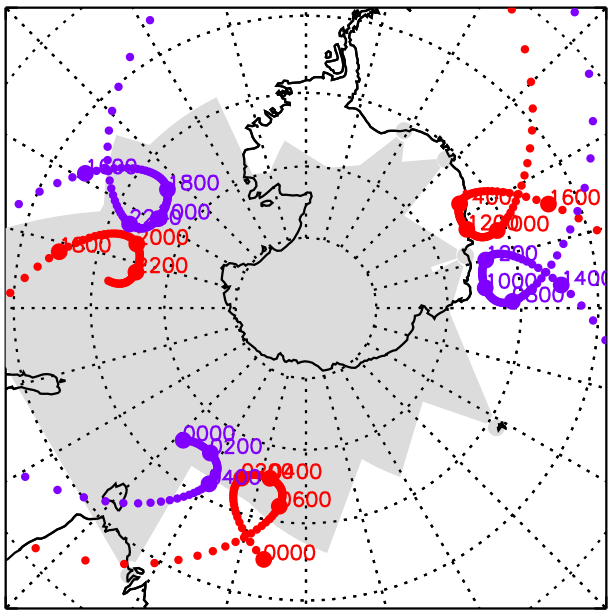


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

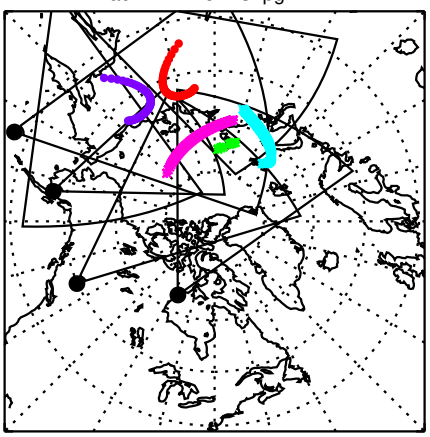
15–Oct–2017

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

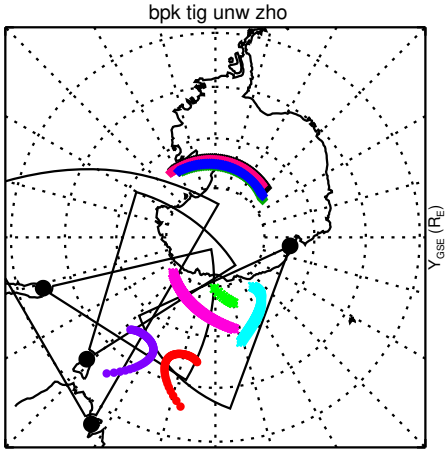


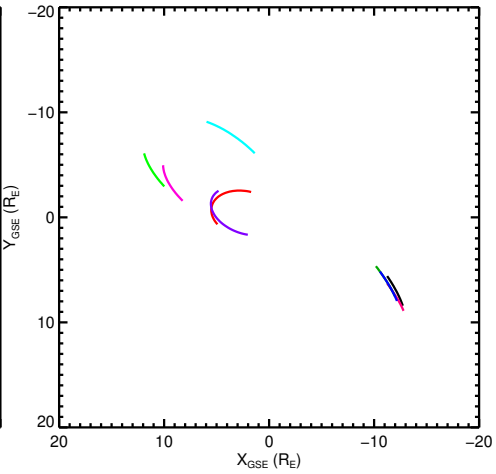


(a) 0005UT to 0455UT
adw hkw hok ksr pgr rkn

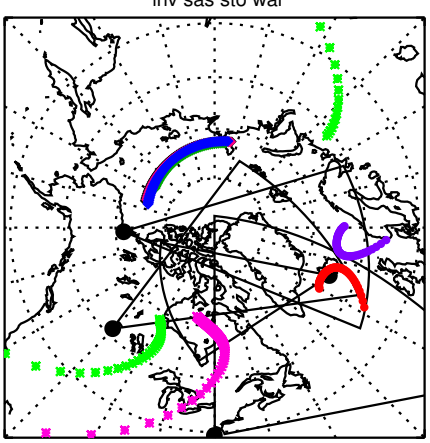


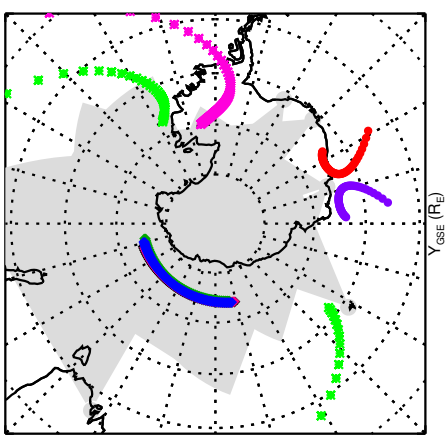
bpk tig unw zho

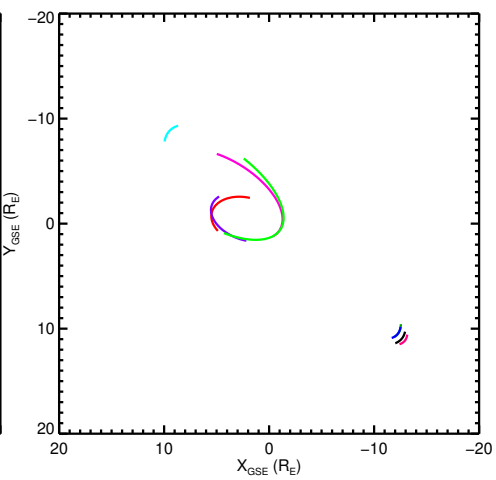


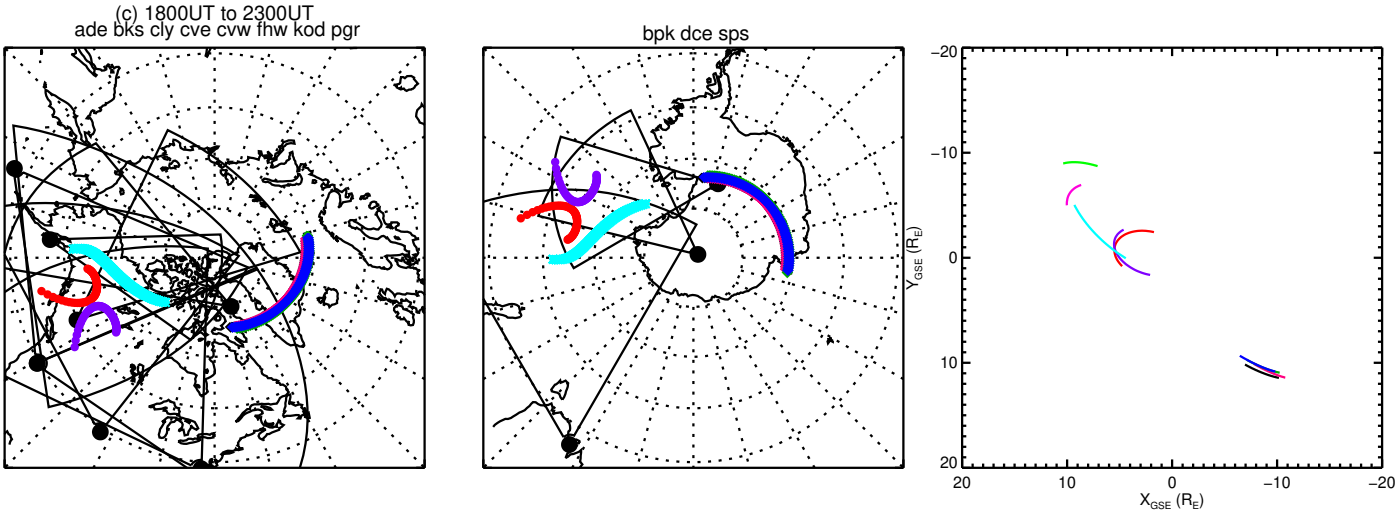


(b) 0905UT to 1355UT
inv sas sto wal





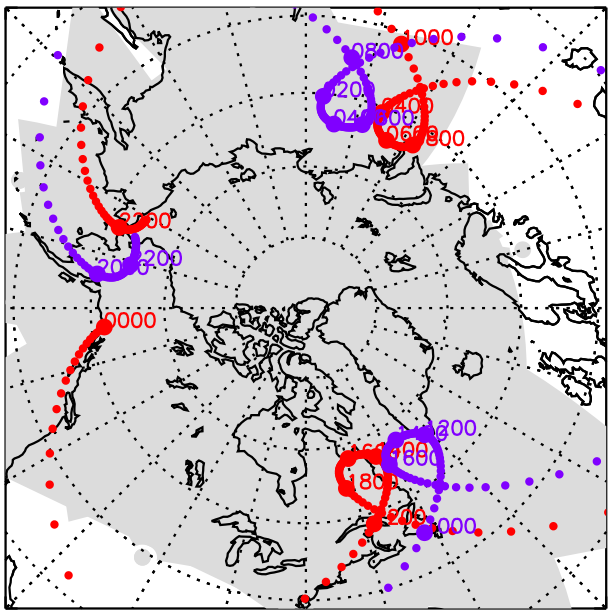


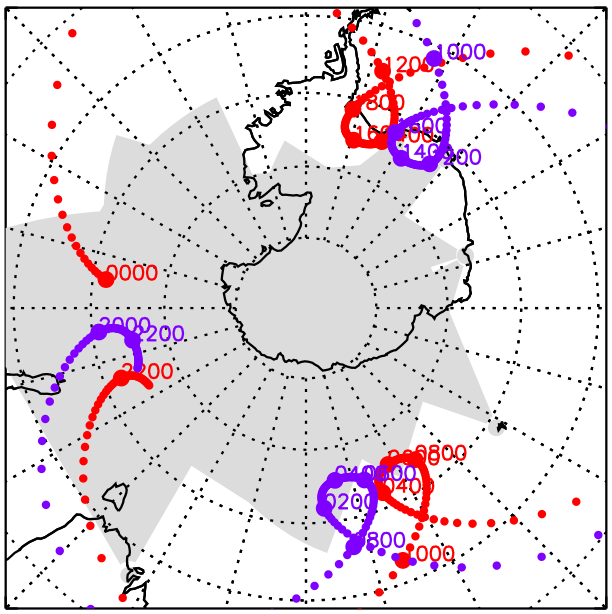

(c) 1800UT to 2300UT
ade bks cly cve cvw fhw kod pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

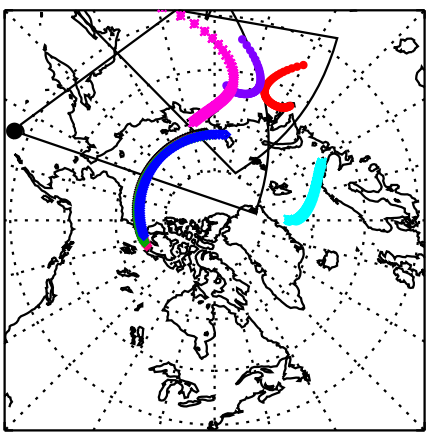
16–Oct–2017

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

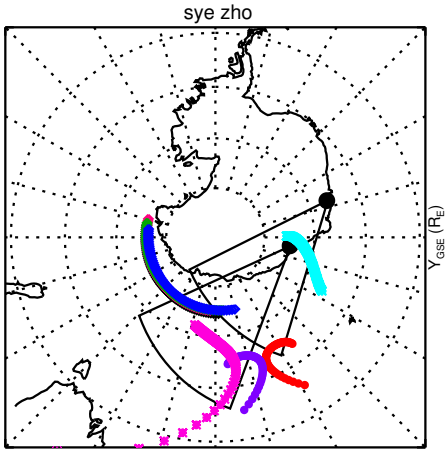


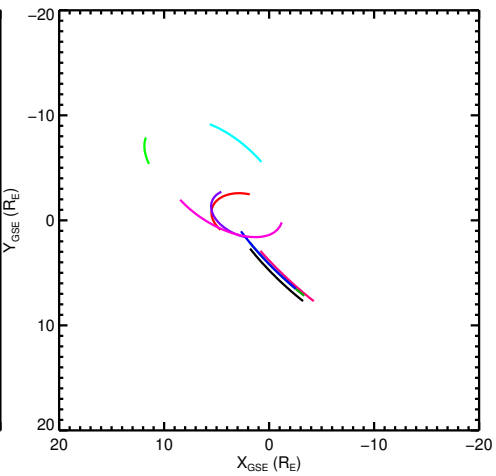


(a) 0300UT to 0805UT
adw hkw

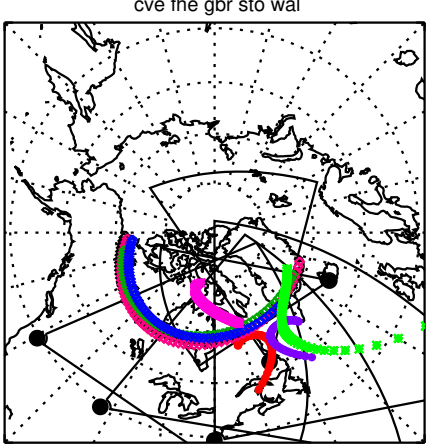


sye zho

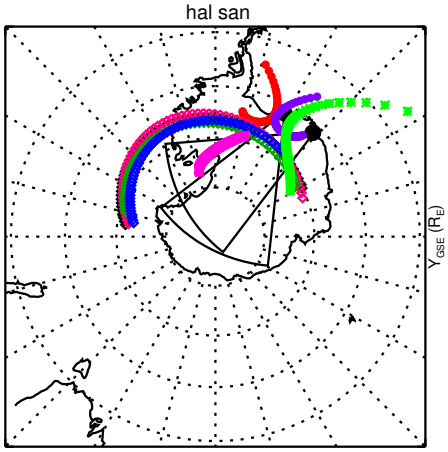


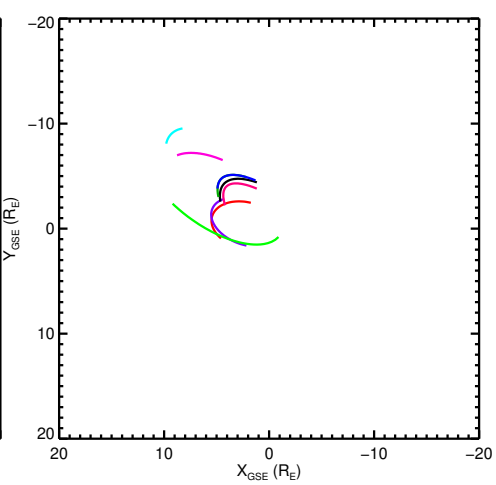


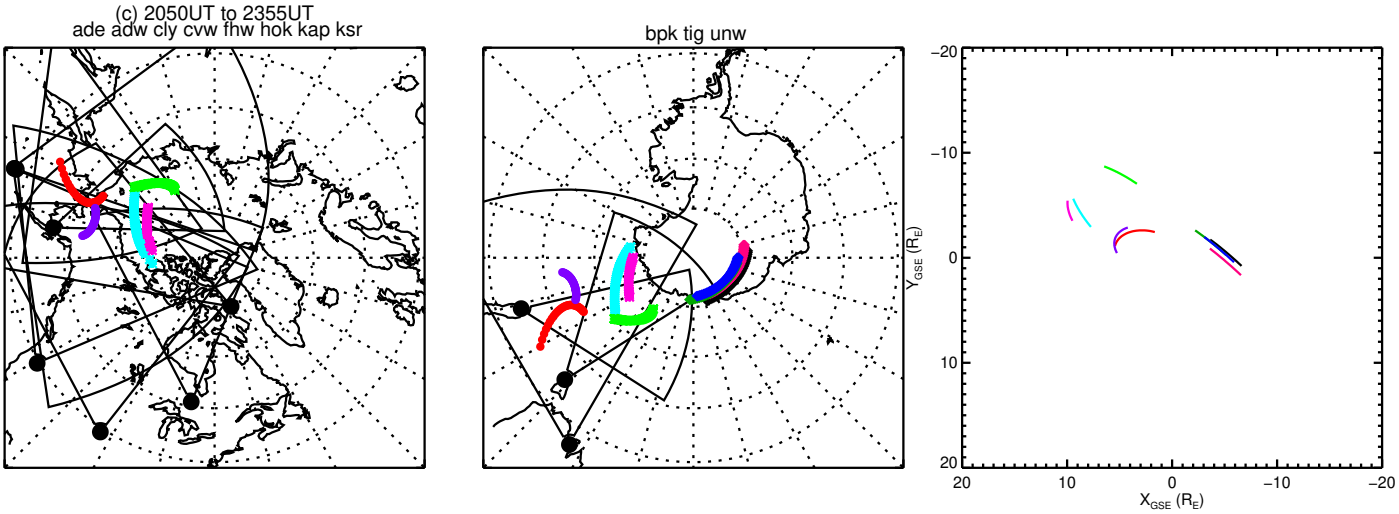
(b) 1155UT to 1705UT
cve fhe gbr sto wal



hal san



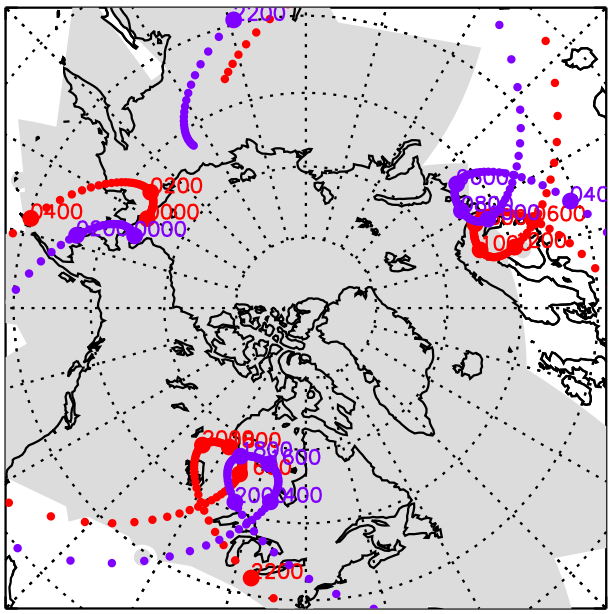


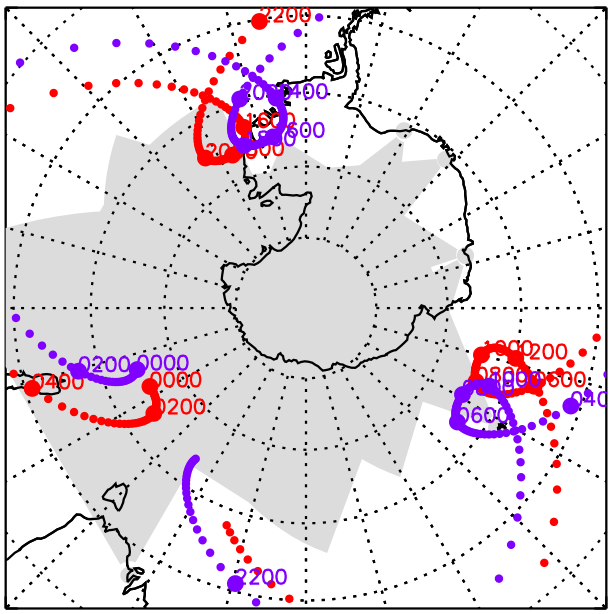

(c) 2050UT to 2355UT
ade adw cly cvw fhw hok kap ksr
bpk tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

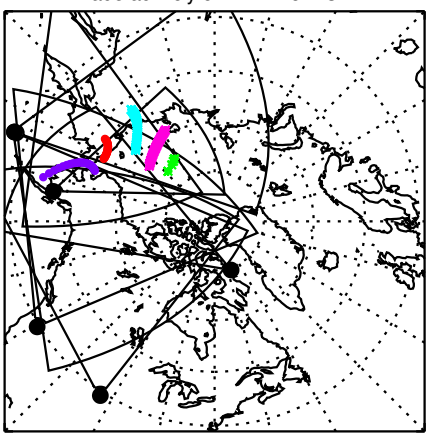
17–Oct–2017

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

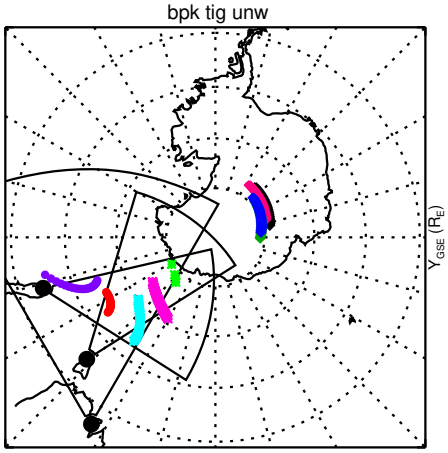


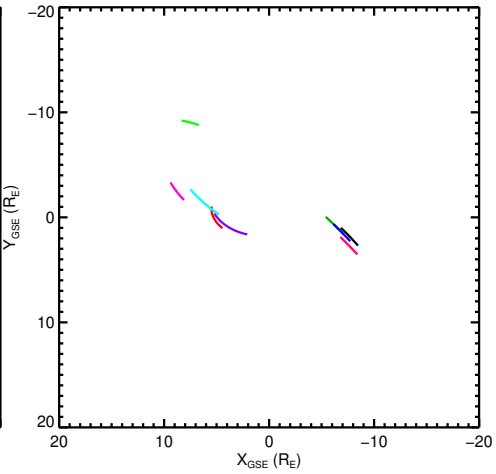


(a) 0000UT to 0210UT
ade adw cly cvw fhw hok ksr

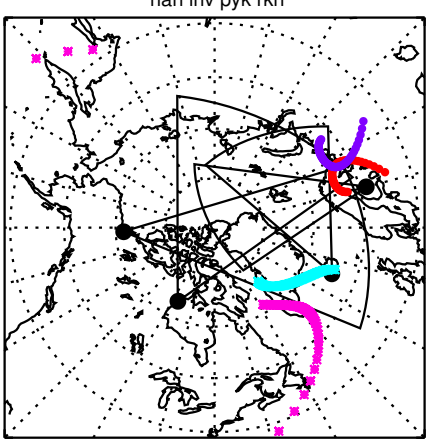


bpk tig unw

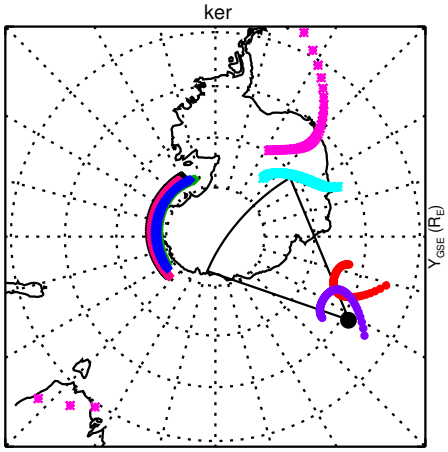


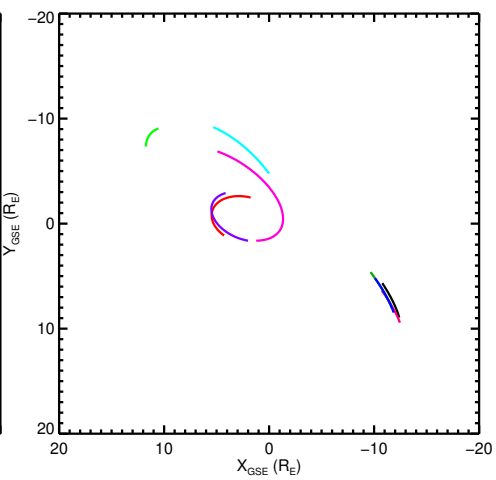


(b) 0550UT to 1115UT
han inv pyk rkn

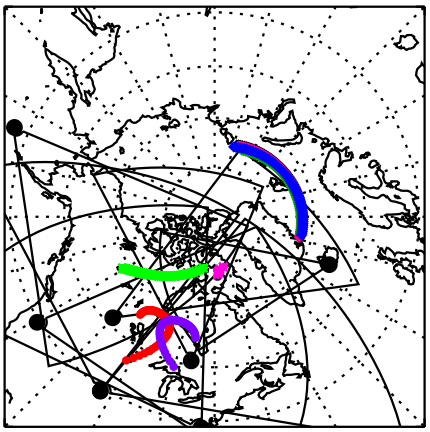


ker

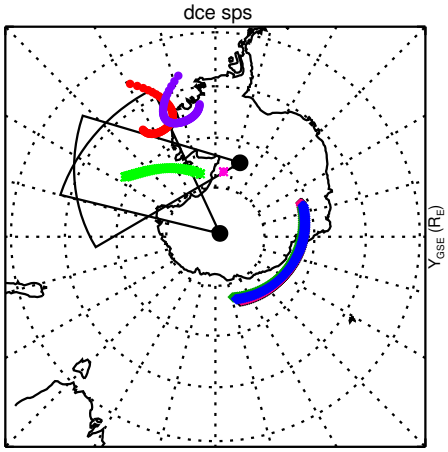


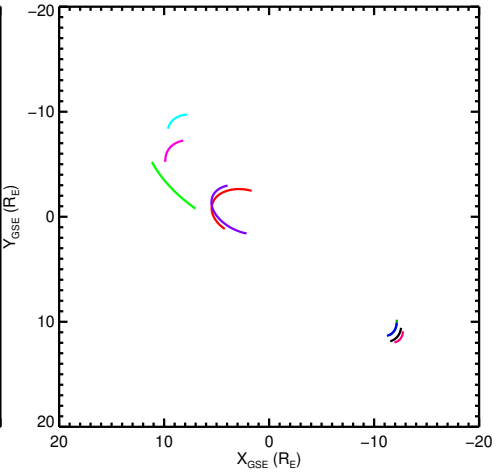


(c) 1445UT to 2015UT
ade bks cve fhe fhw kap sas sto

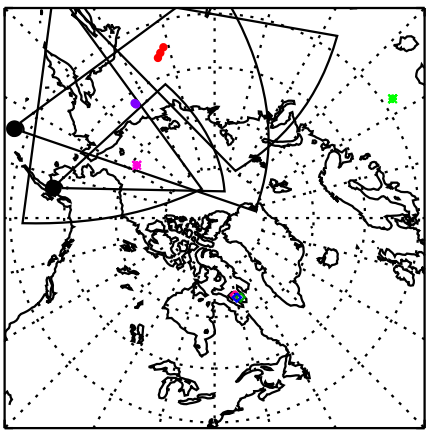


dce sps

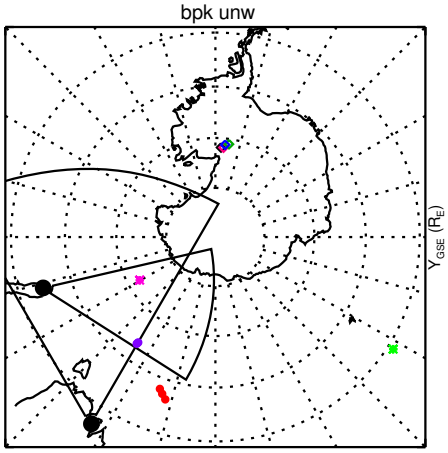


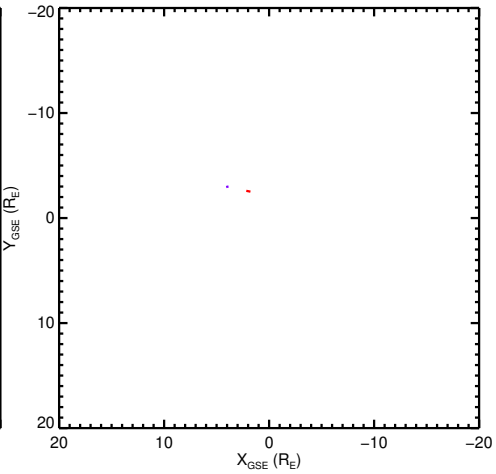


(d) 2345UT to 2355UT
adw hkw hok ksr



bpk unw

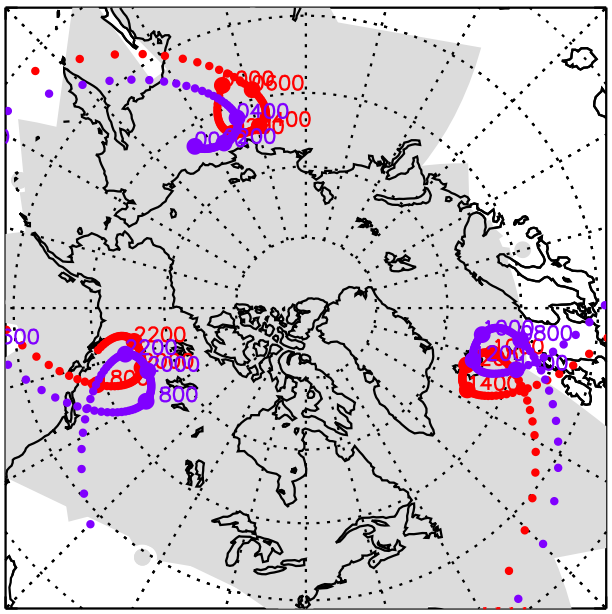


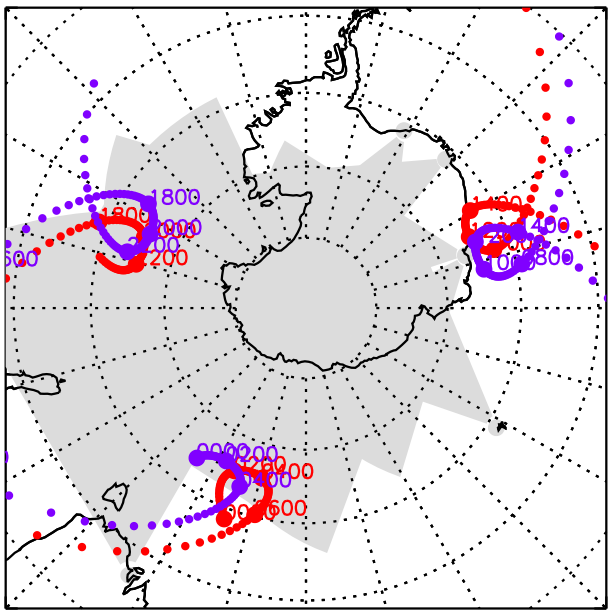


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

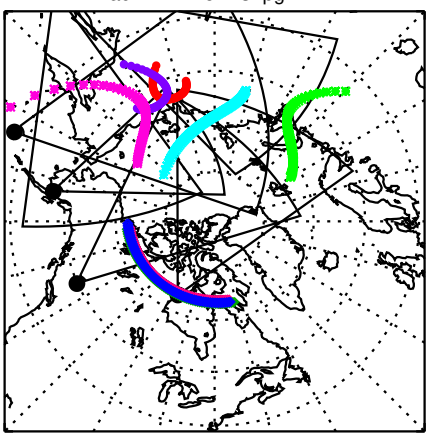
18–Oct–2017

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

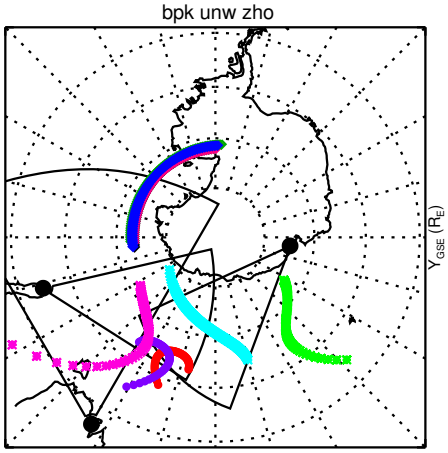


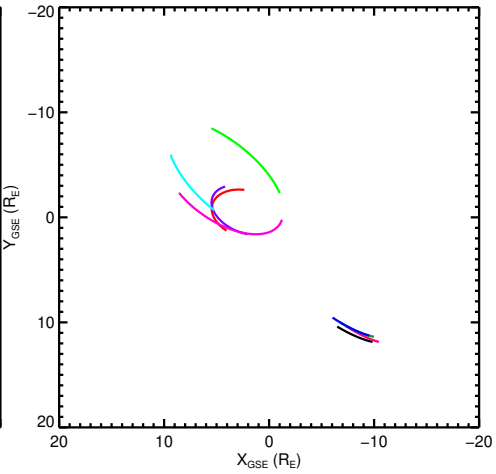


(a) 0000UT to 0520UT
adw hkw hok ksr pgr rkn

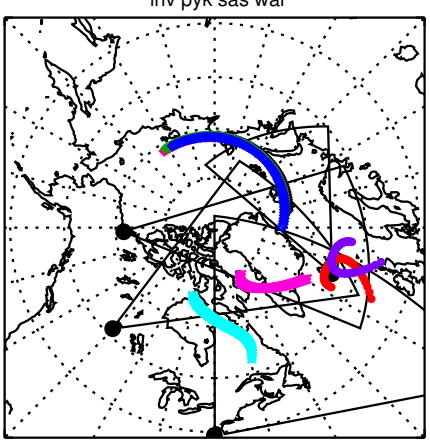


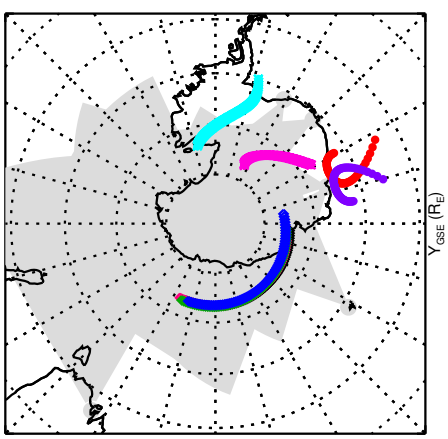
bpk unw zho

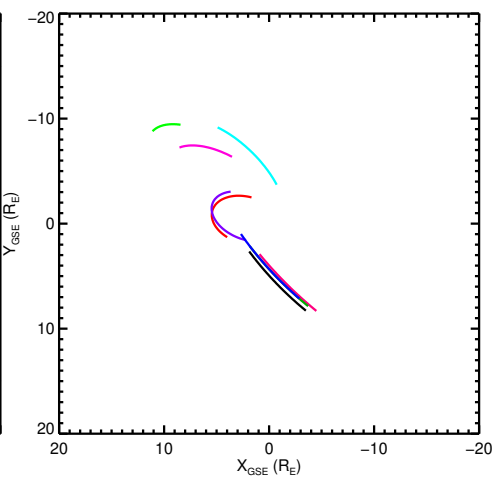


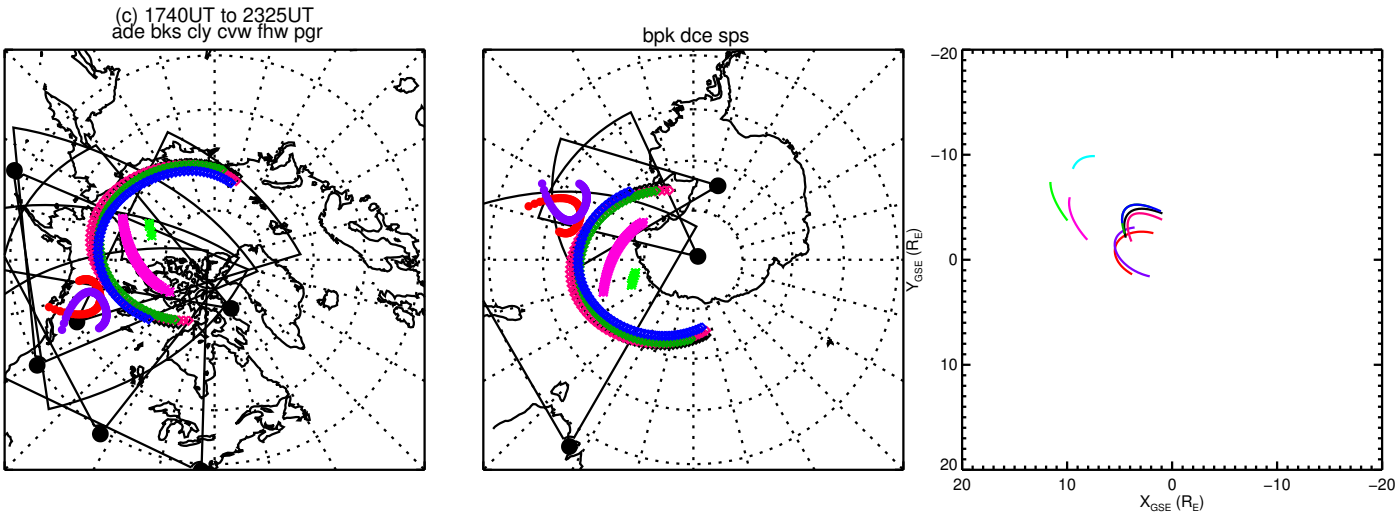


(b) 0840UT to 1420UT
inv pyk sas wal





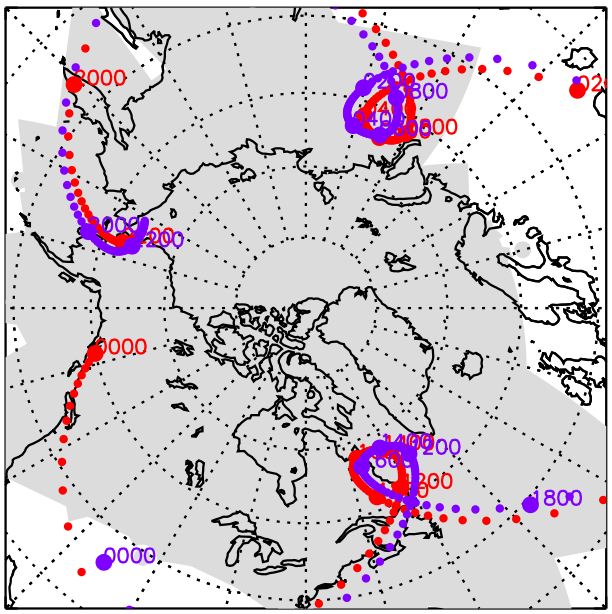


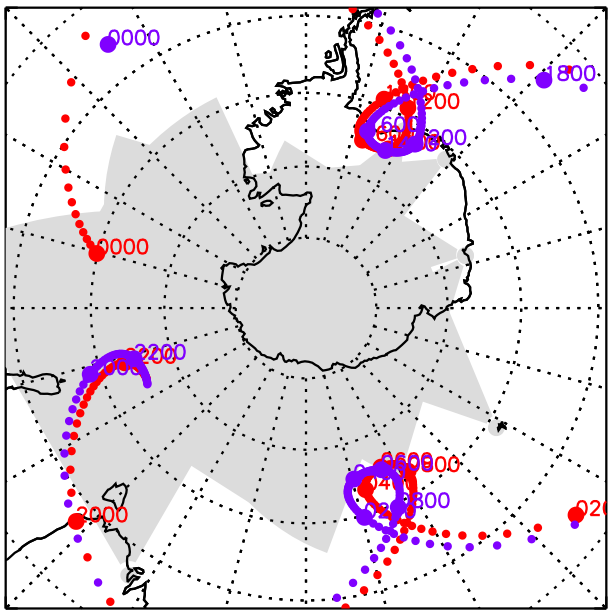

(c) 1740UT to 2325UT
ade bks cly cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

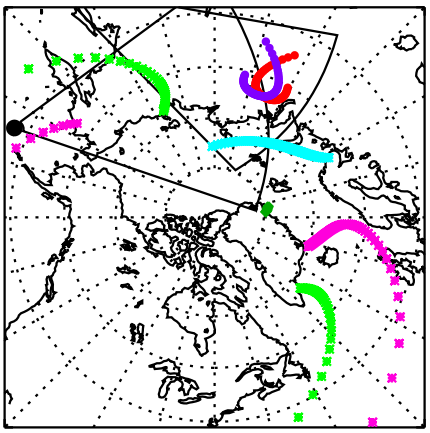
19–Oct–2017

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

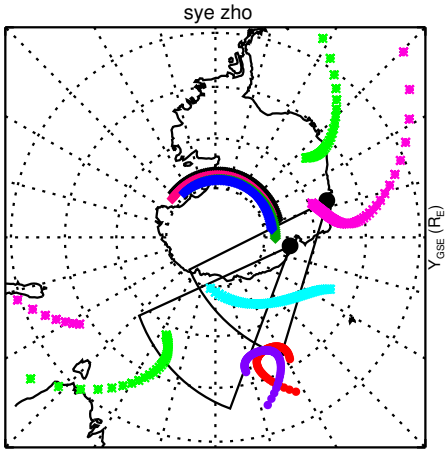


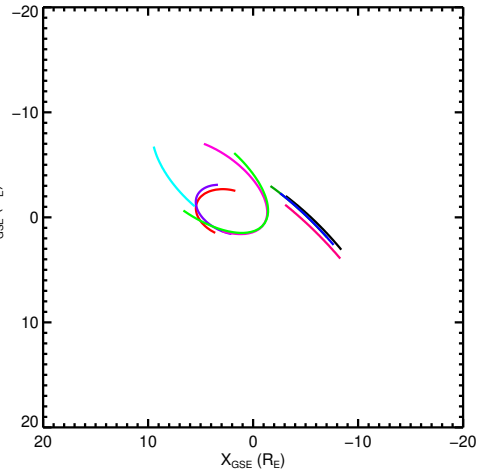


(a) 0235UT to 0830UT
adw hkw

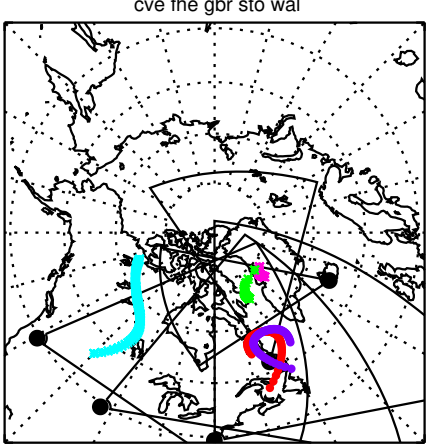


sye zho

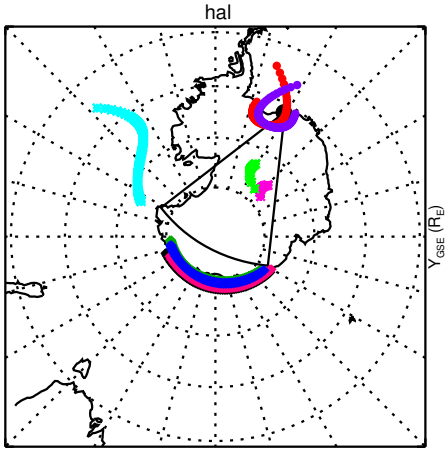


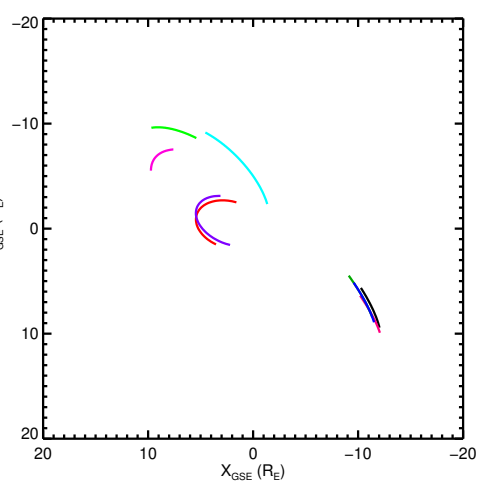


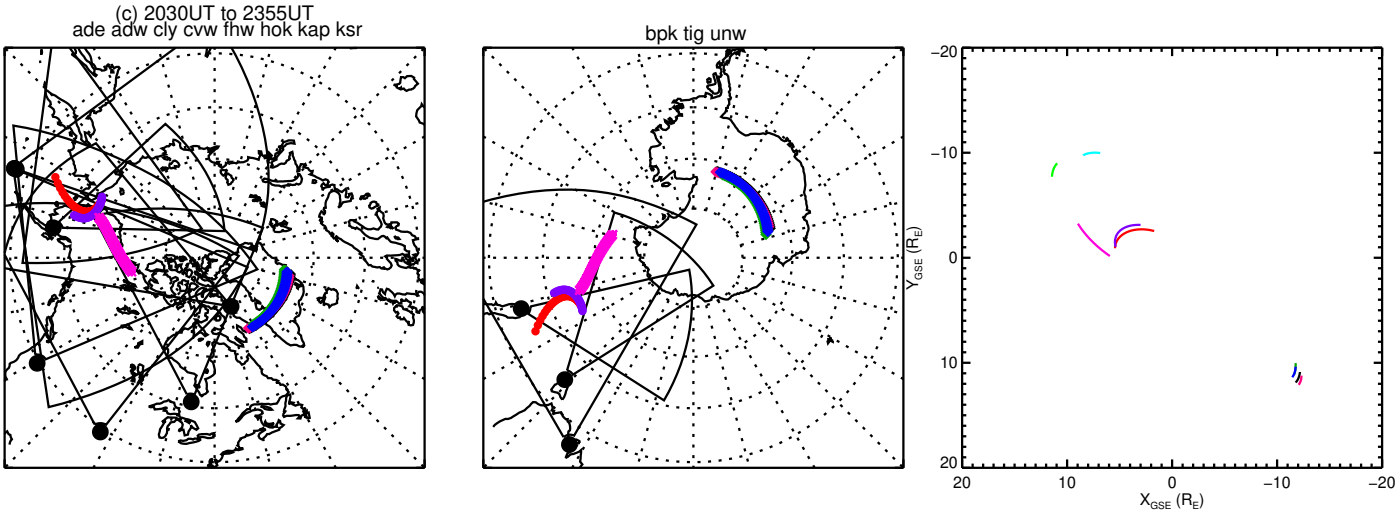
(b) 1130UT to 1730UT
cve fhe gbr sto wal



hal



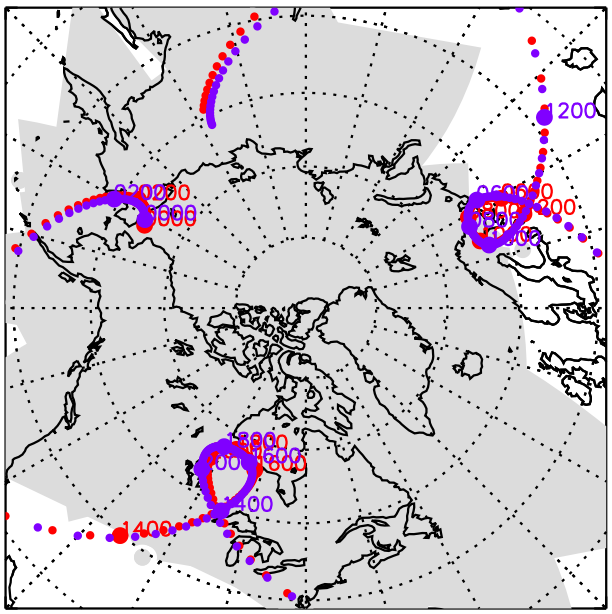


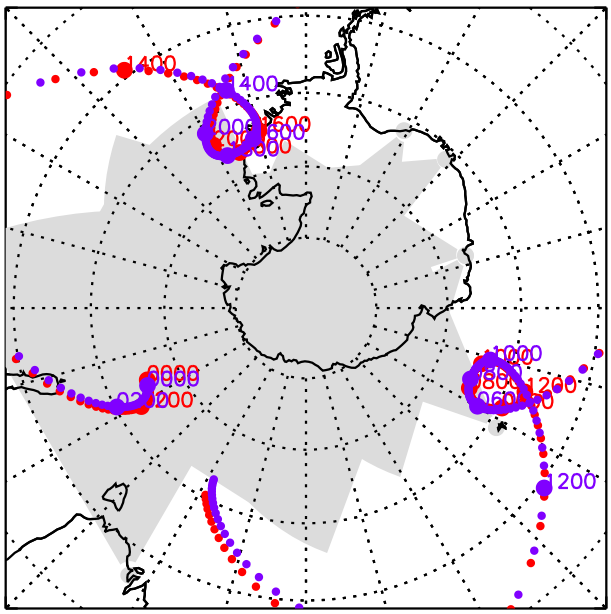

(c) 2030UT to 2355UT
ade adw cly cvw fhw hok kap ksr
bpk tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

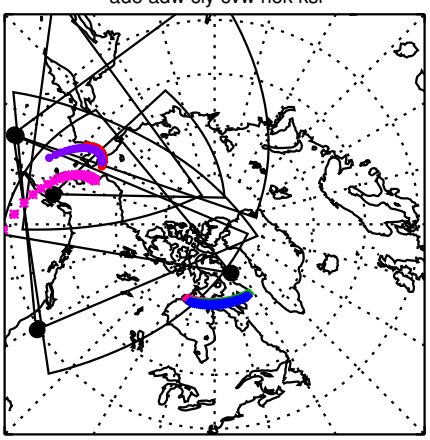
20–Oct–2017

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

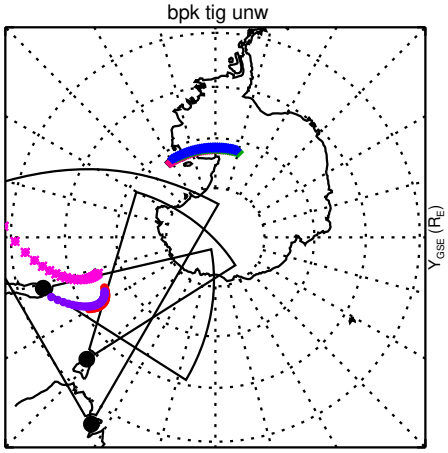


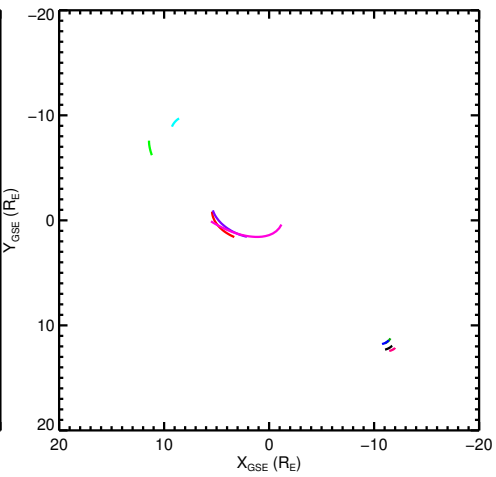


(a) 0000UT to 0235UT
ade adw cly cvw hok ksr

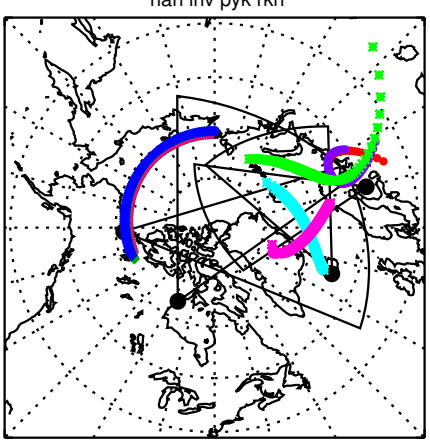


bpk tig unw

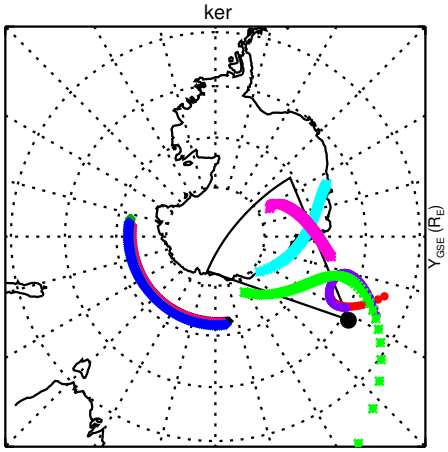


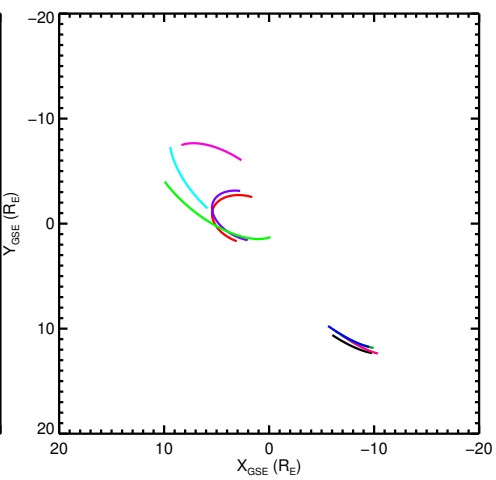


(b) 0525UT to 1140UT
han inv pyk rkn

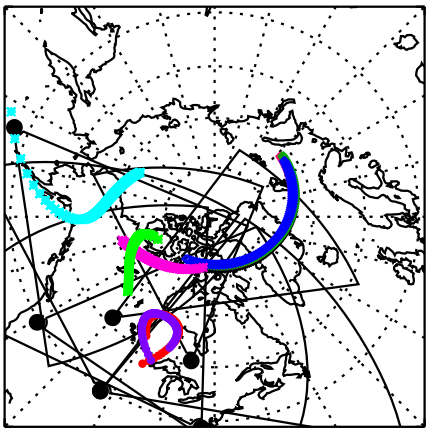


ker

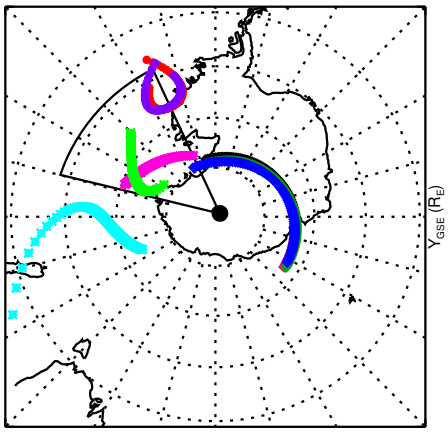


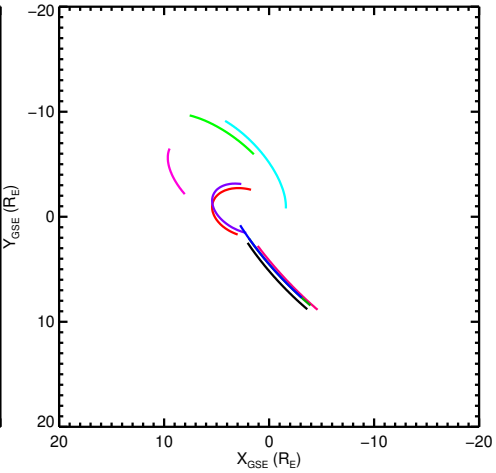


(c) 1425UT to 2040UT
ade bks cve fhe fhw kap sas

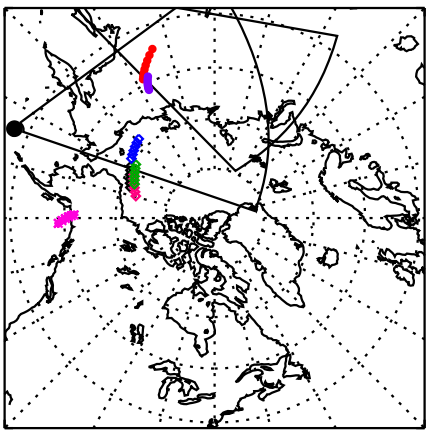


dce

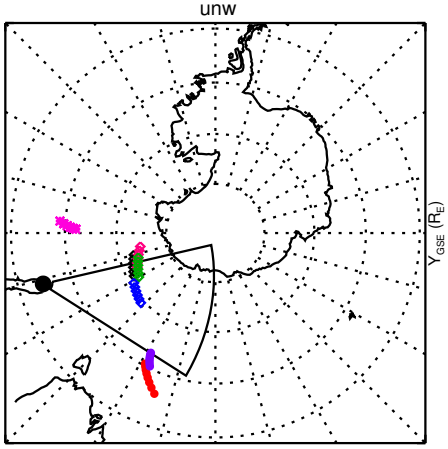


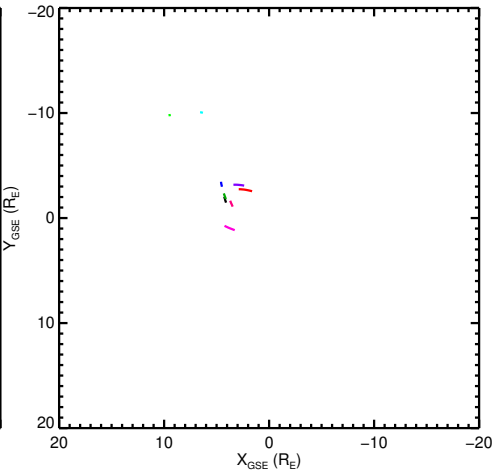


(d) 2320UT to 2355UT
adw hkw



unw

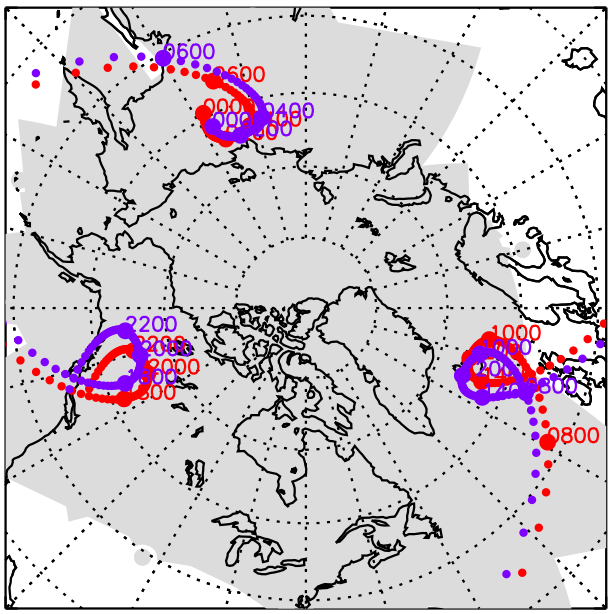


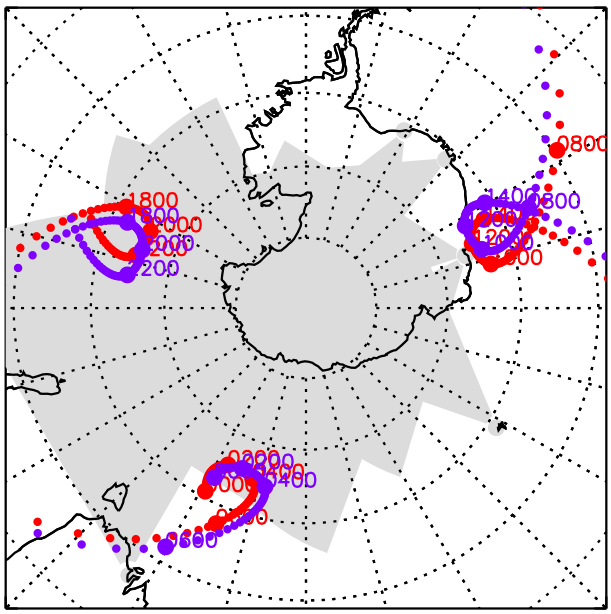


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

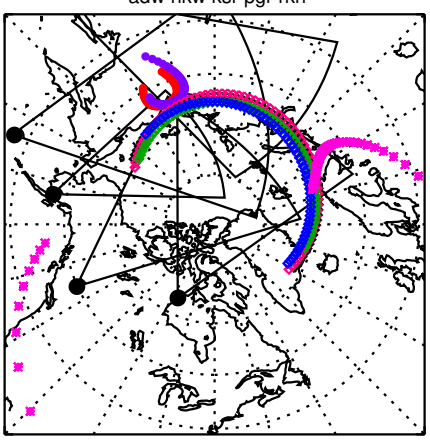
21−Oct−2017

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

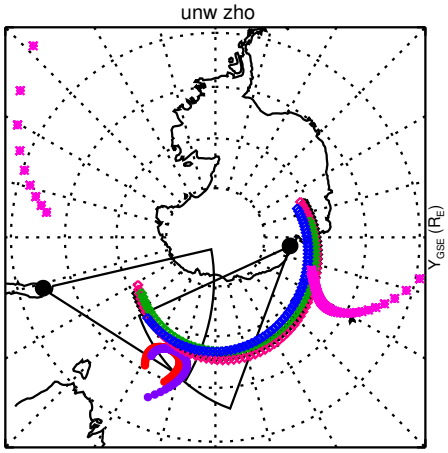


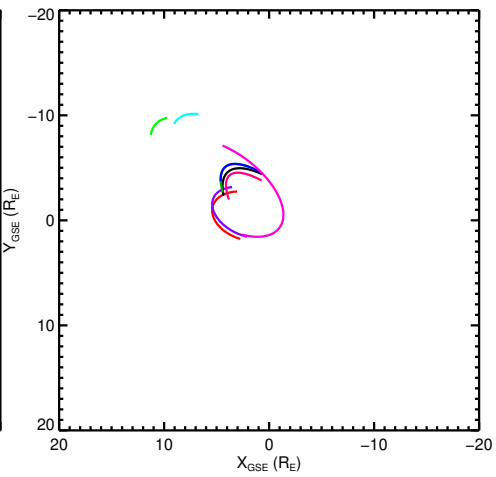


(a) 0000UT to 0545UT
adw hkw ksr pgr rkn

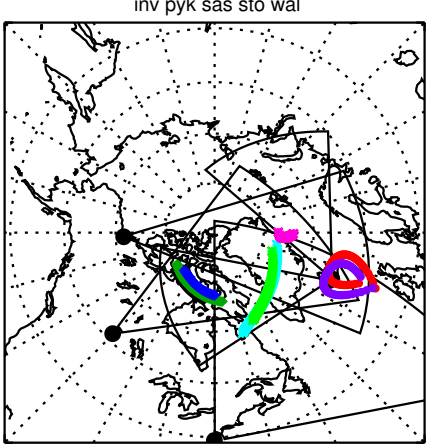


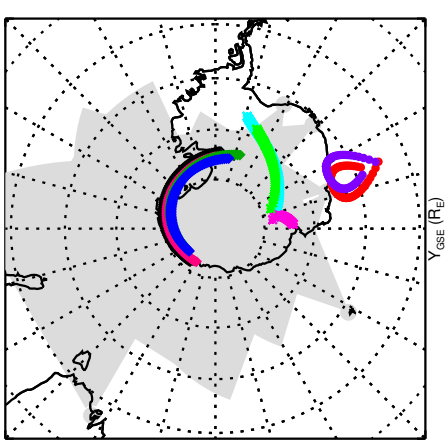
unw zho

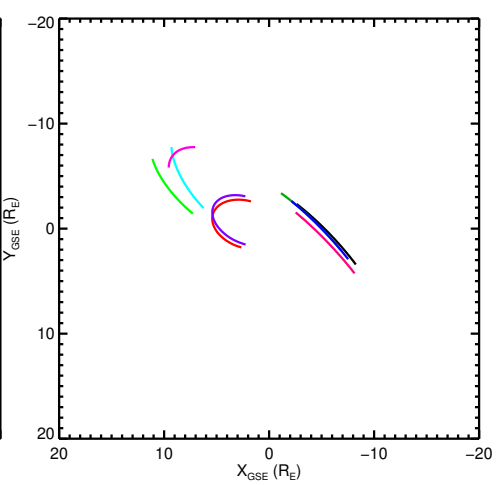


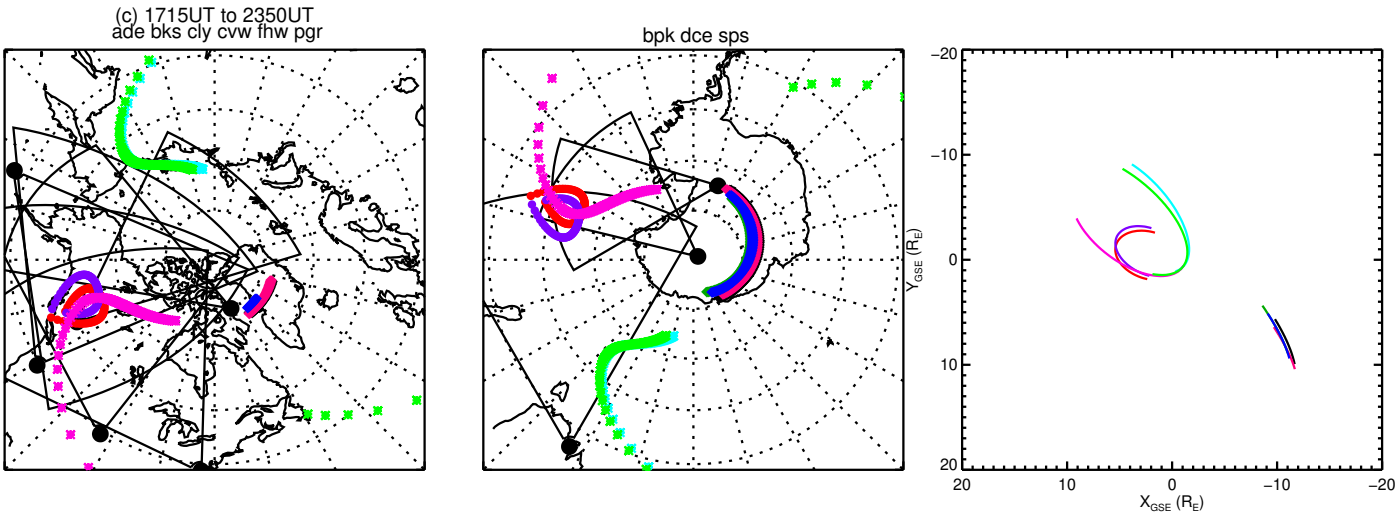


(b) 0820UT to 1445UT
inv pyk sas sto wal





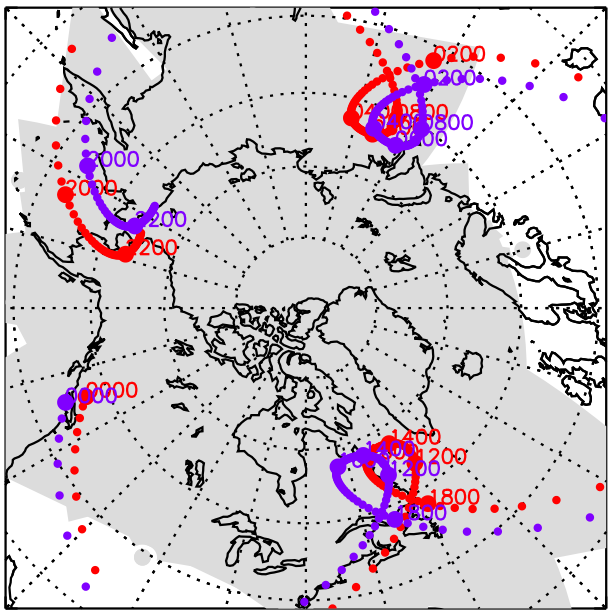


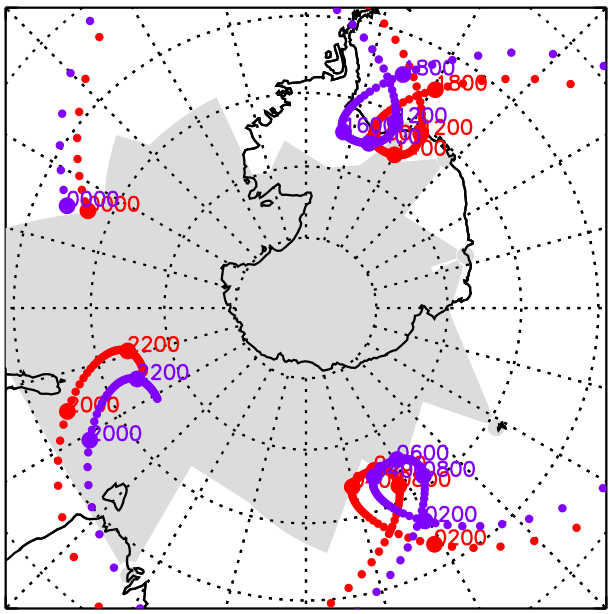

(c) 1715UT to 2350UT
ade bks cly cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

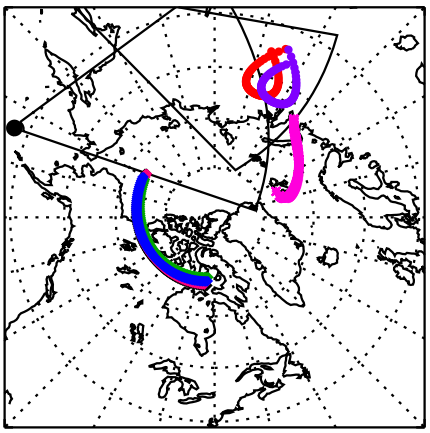
22–Oct–2017

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

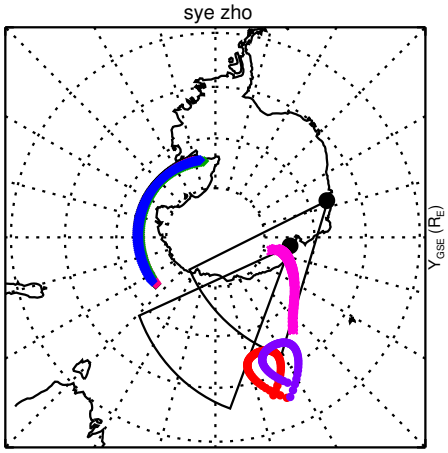


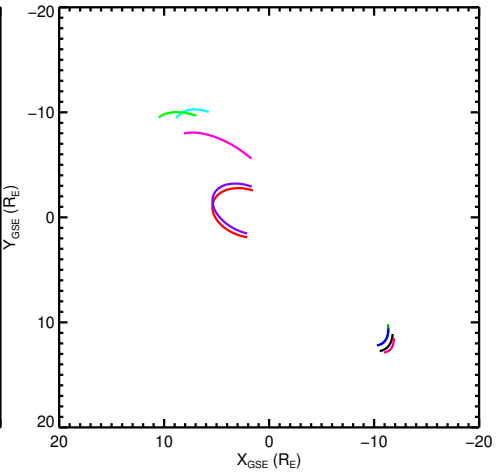


(a) 0210UT to 0855UT
adw hkw

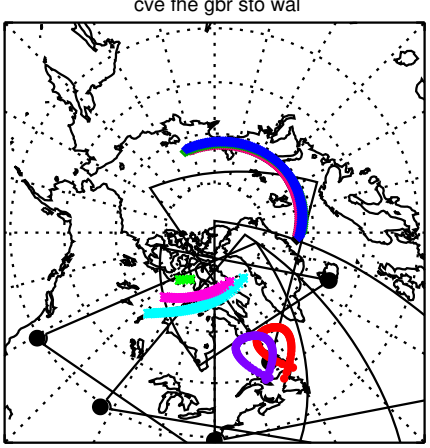


sye zho

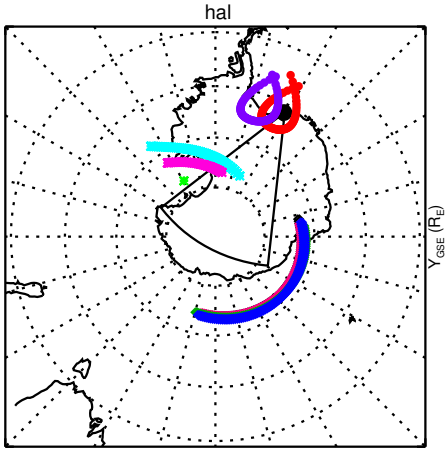


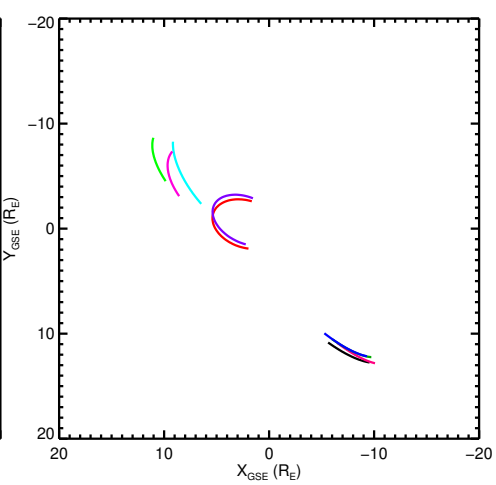


(b) 1110UT to 1755UT
cve fhe gbr sto wal

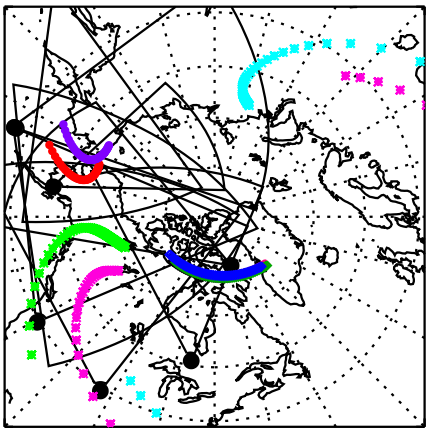


hal

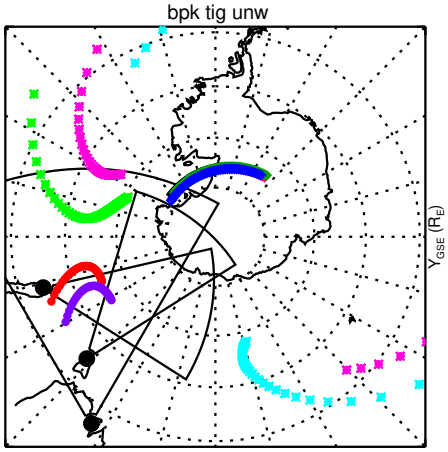


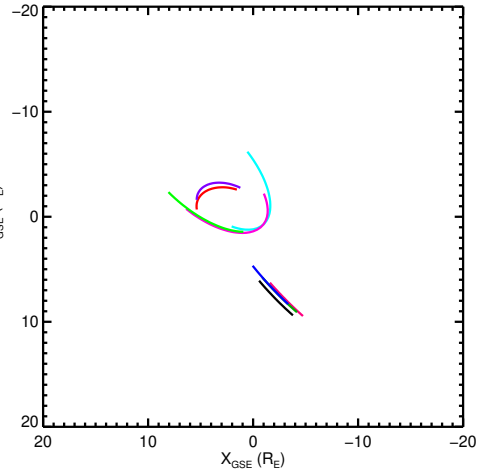


(c) 2005UT to 2355UT
ade adw cly cvw fhw hok kap ksr



bpk tig unw

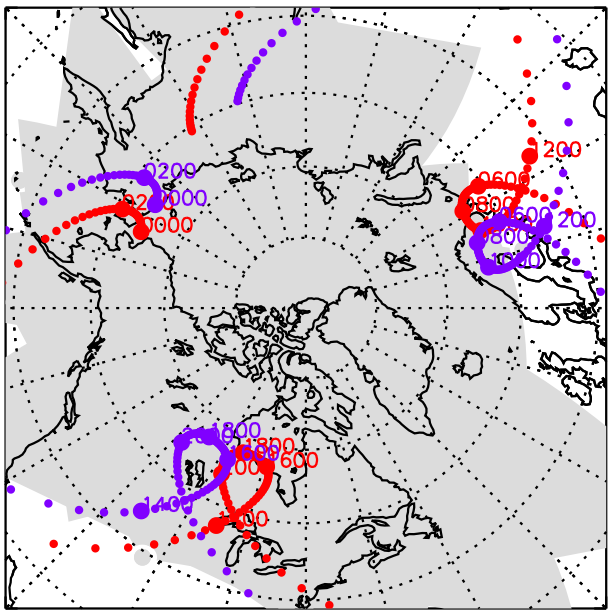


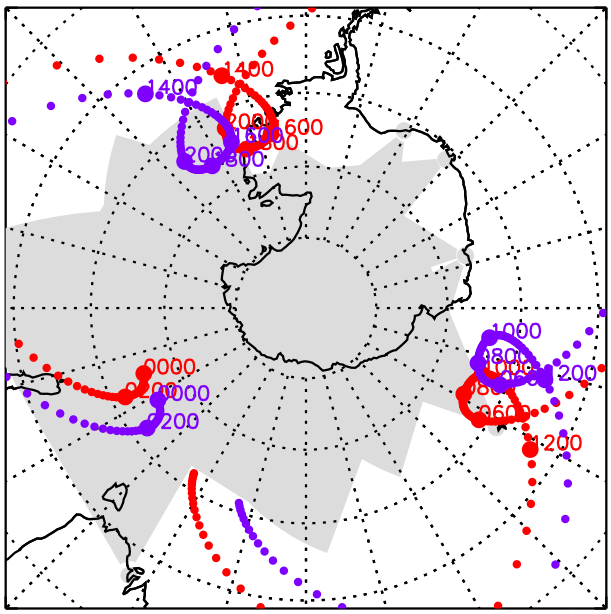


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

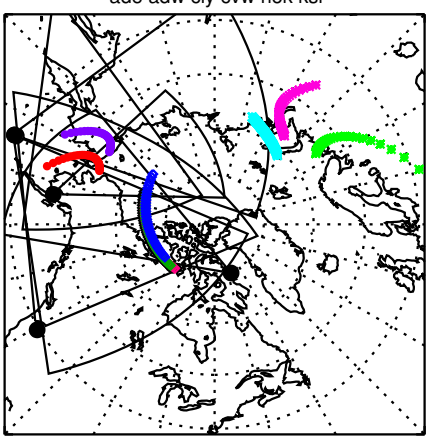
23–Oct–2017

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

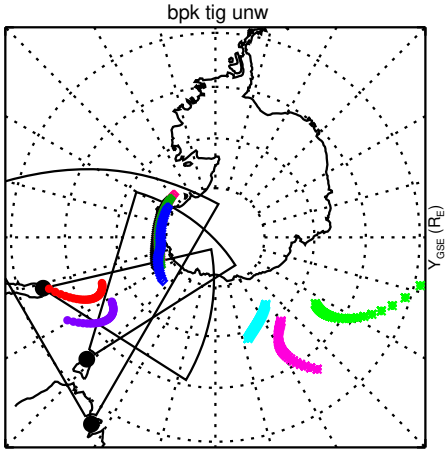


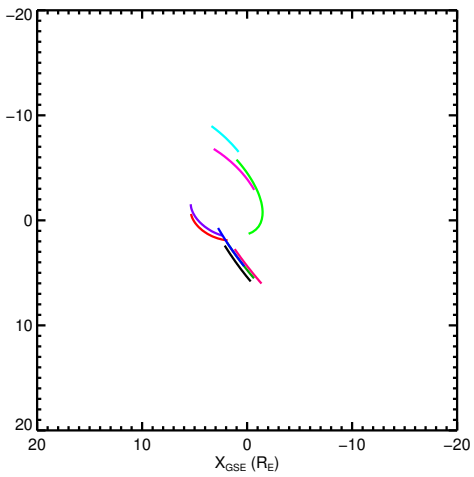


(a) 0000UT to 0255UT
ade adw cly cvw hok ksr

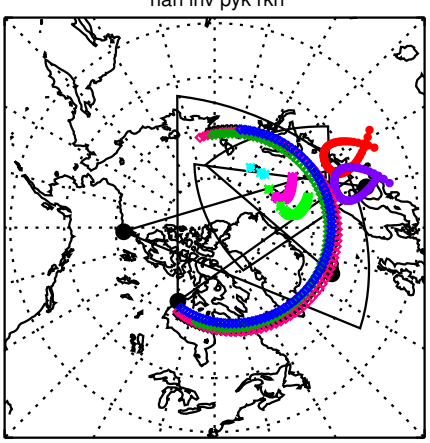


bpk tig unw

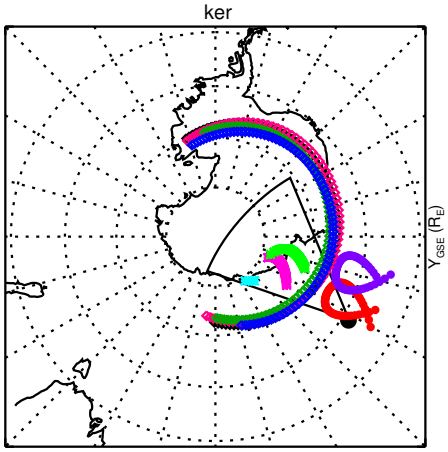


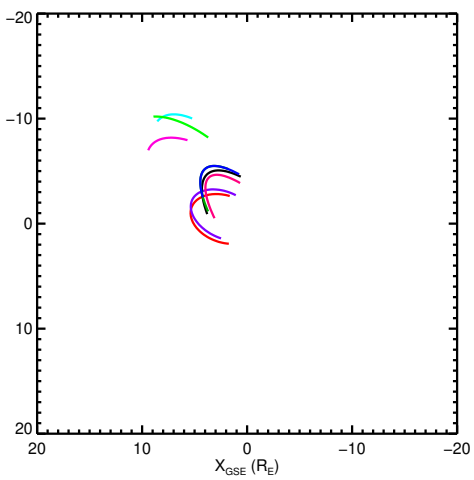


(b) 0505UT to 1155UT
han inv pyk rkn

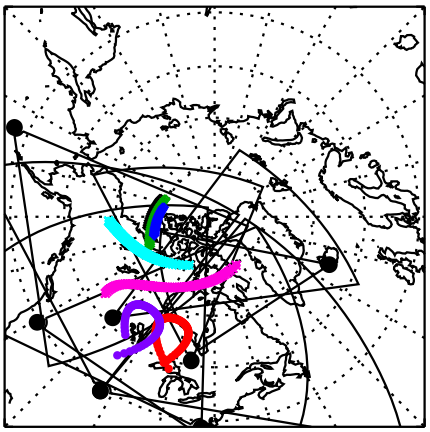


ker

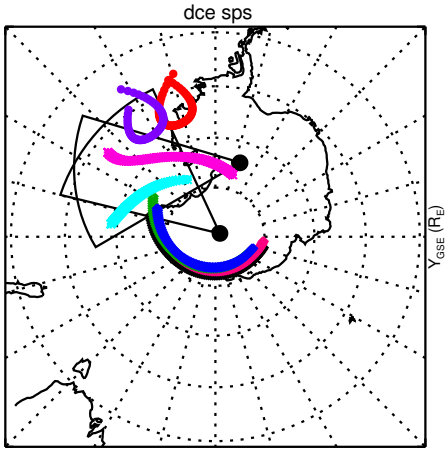


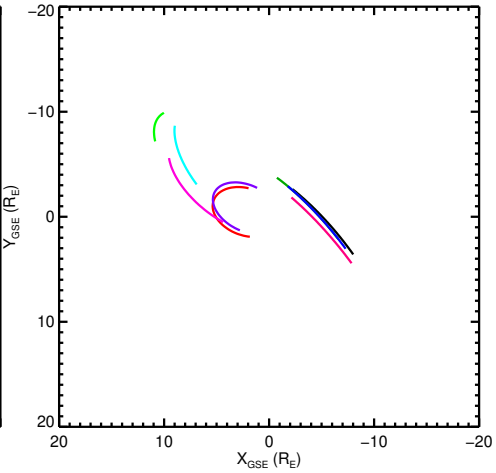


(c) 1410UT to 2050UT
ade bks cve fhe fhw kap sas sto

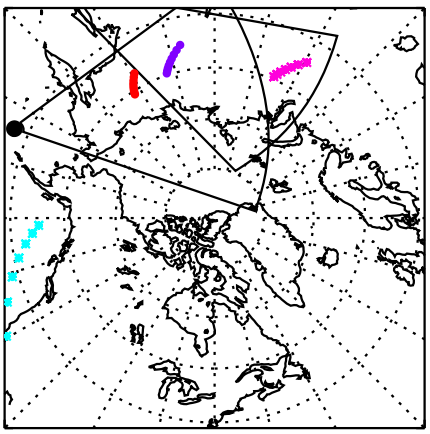


dce sps

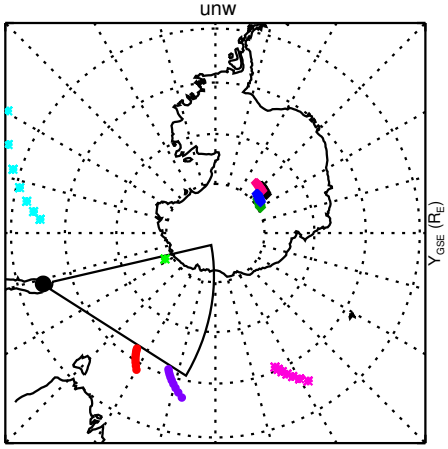


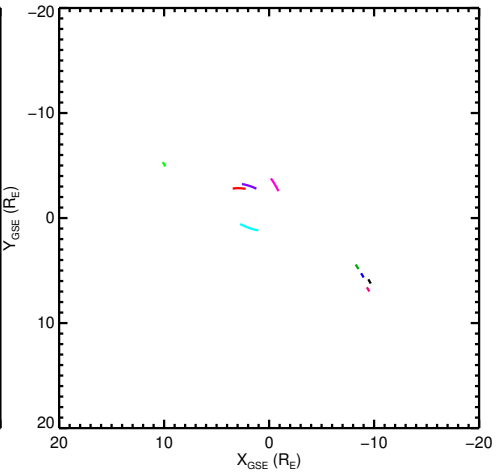


(d) 2315UT to 2355UT
adw hkw



unw

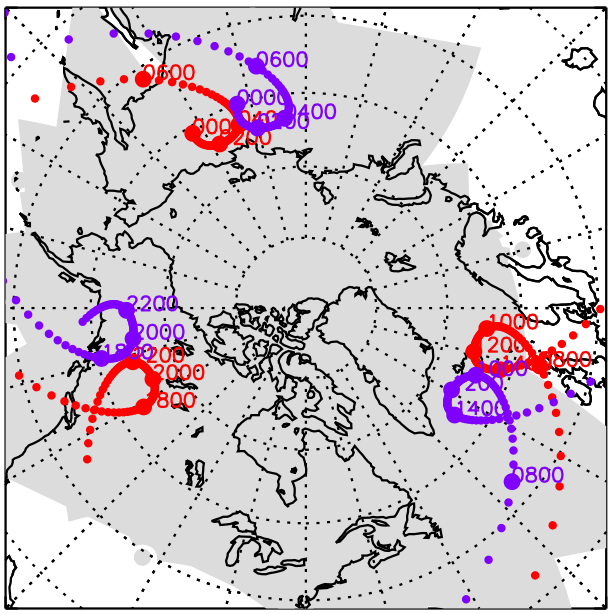


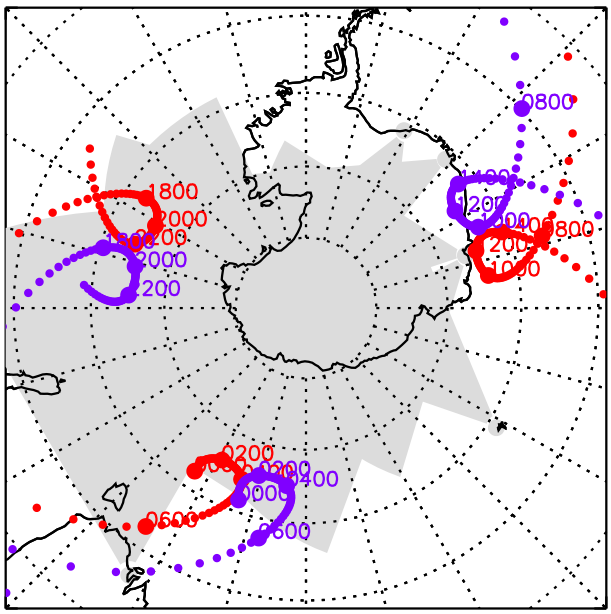


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

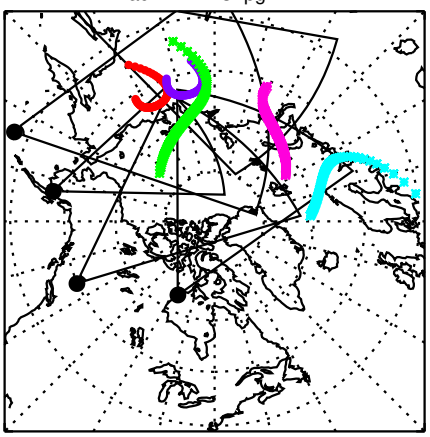
24–Oct–2017

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

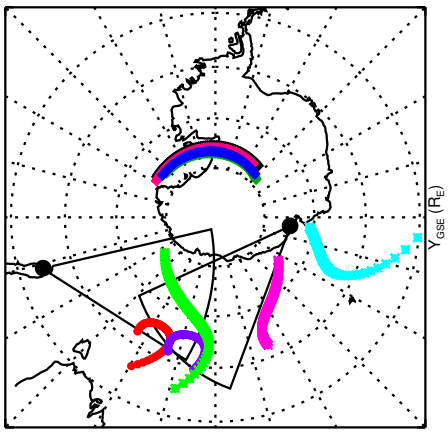


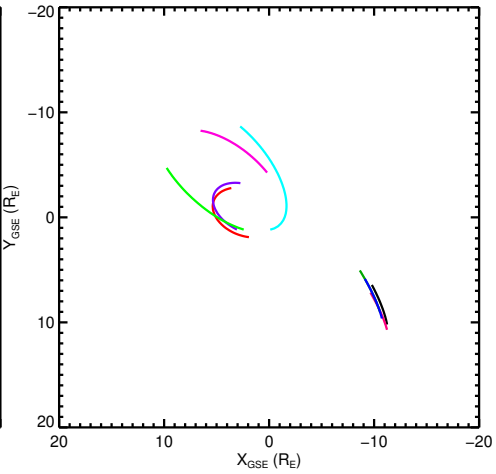


(a) 0000UT to 0545UT
adw hkw ksr pgr rkn

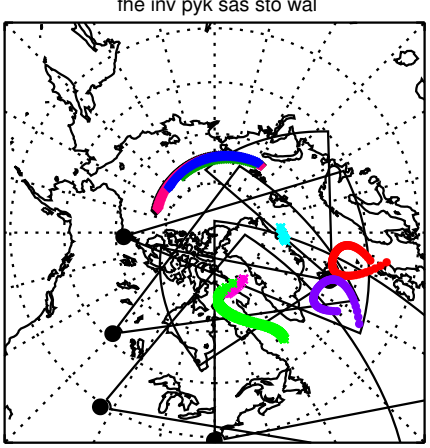


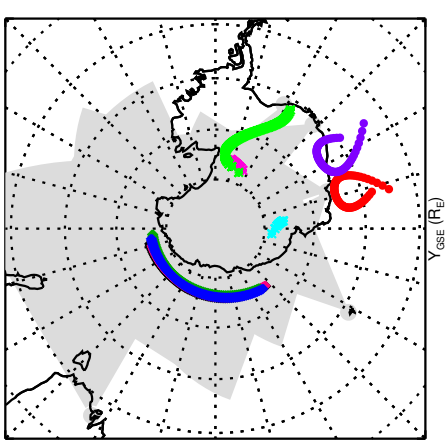
unw zho

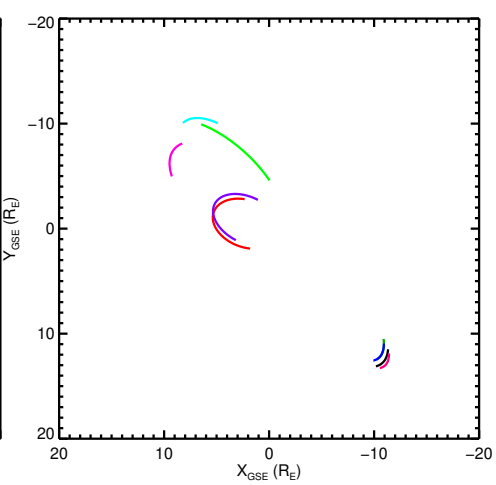


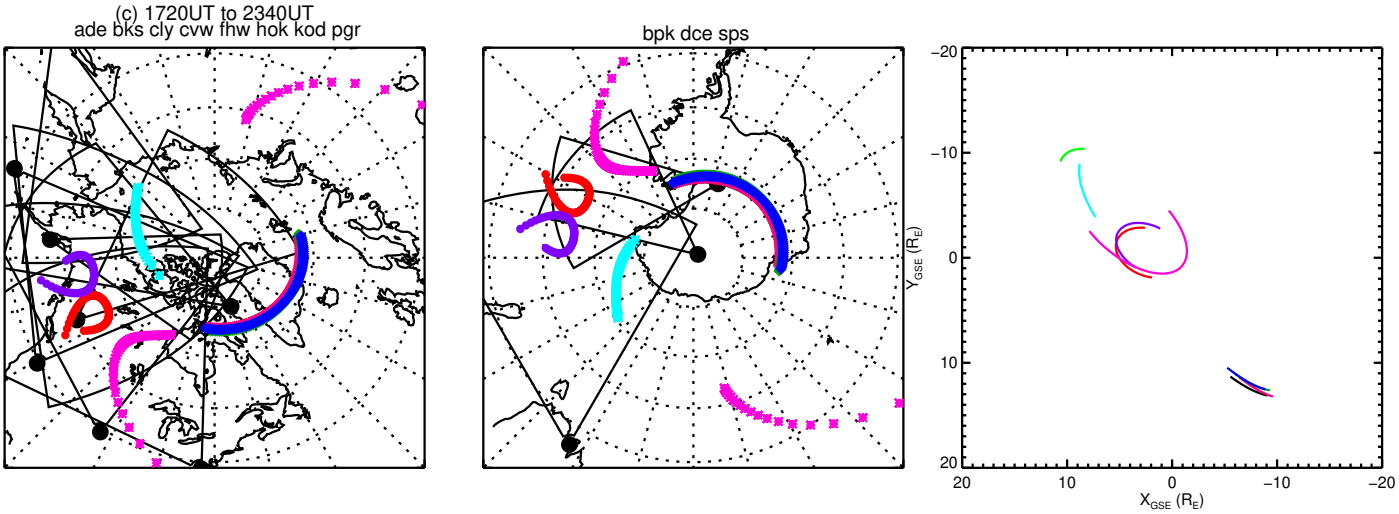


(b) 0815UT to 1445UT
fhe inv pyk sas sto wal





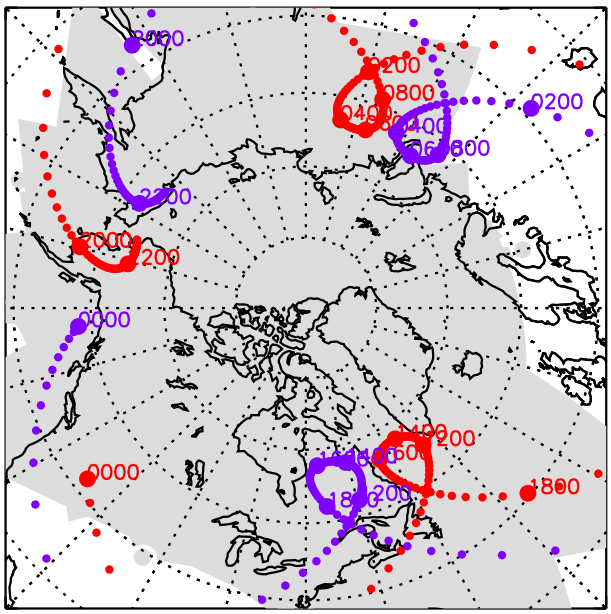


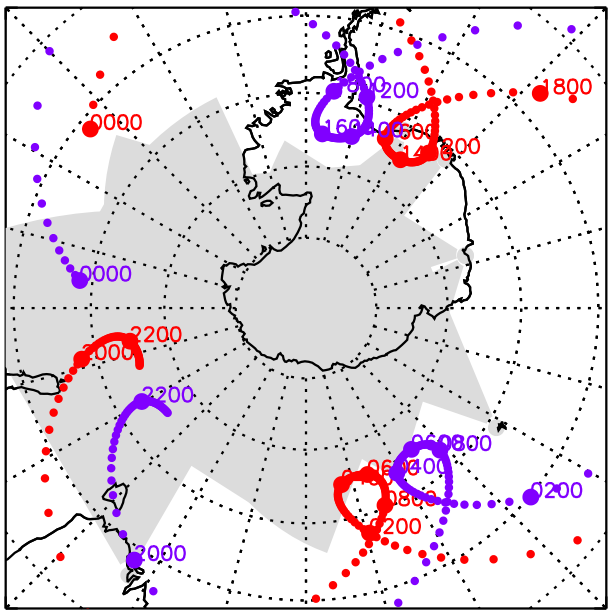

(c) 1720UT to 2340UT
ade bks cly cvw fhw hok kod pgr
bpk dce sps
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

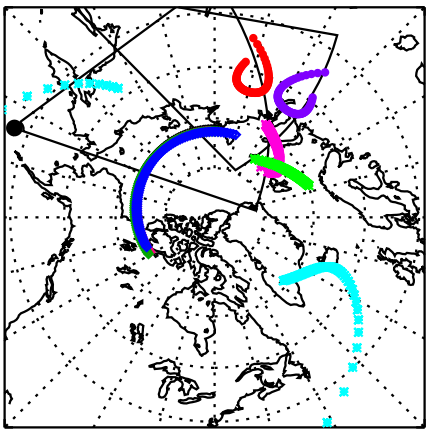
25–Oct–2017

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

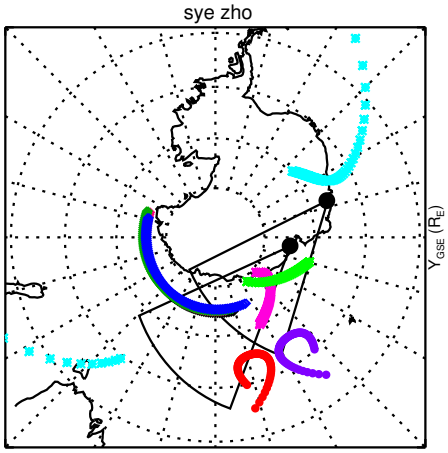


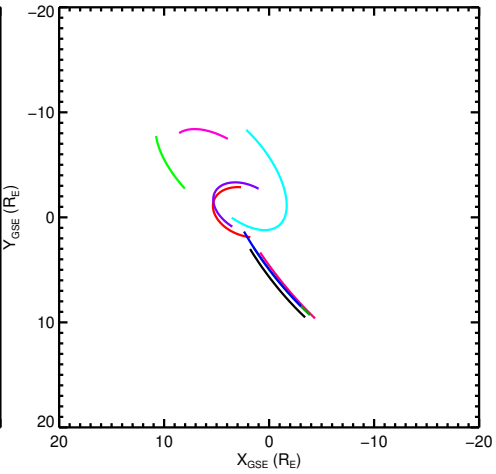


(a) 0220UT to 0840UT
adw hkw

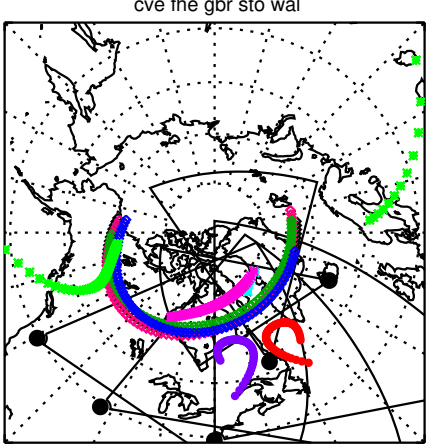


sye zho

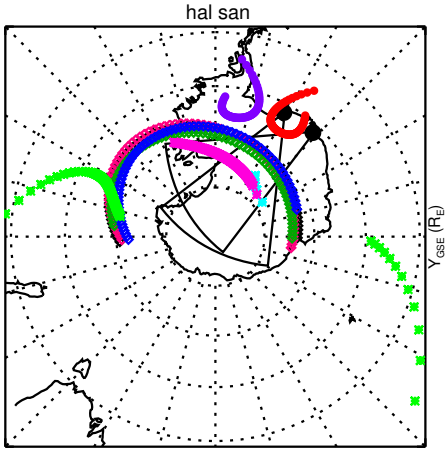


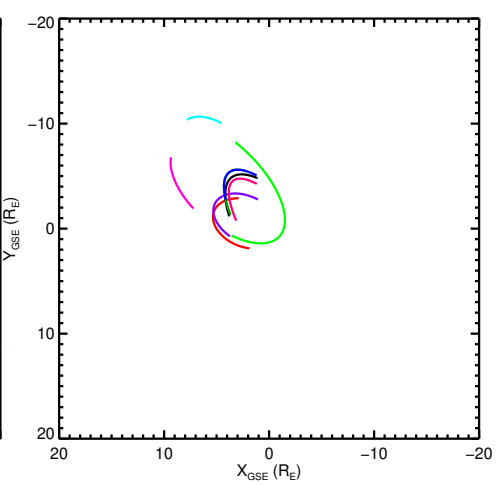


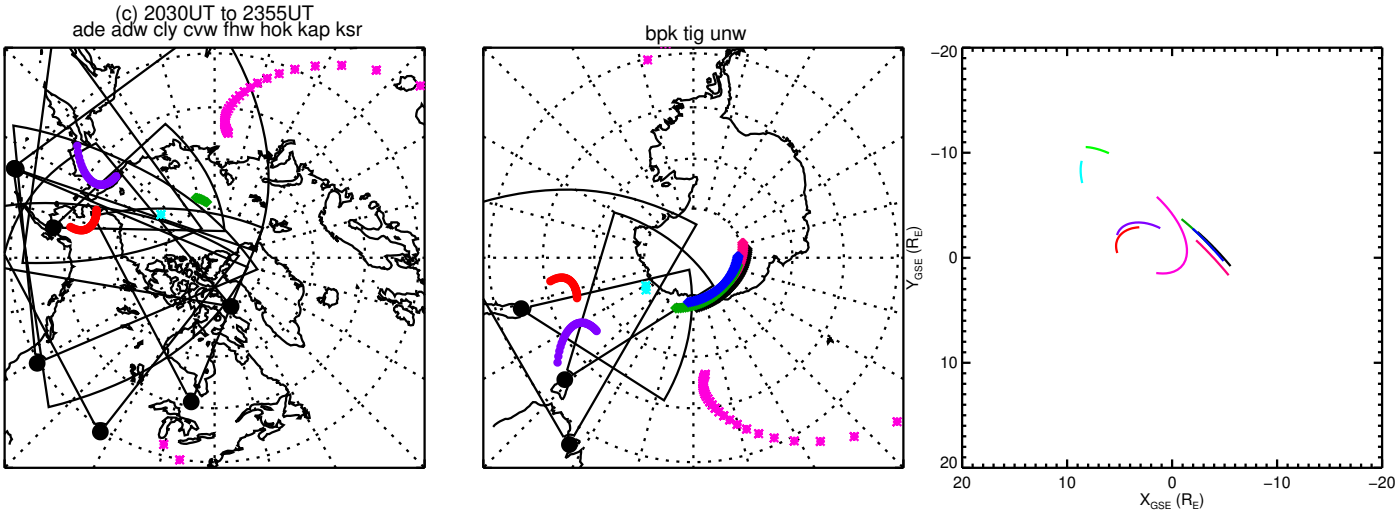
(b) 1125UT to 1735UT
cve fhe gbr sto wal



hal san



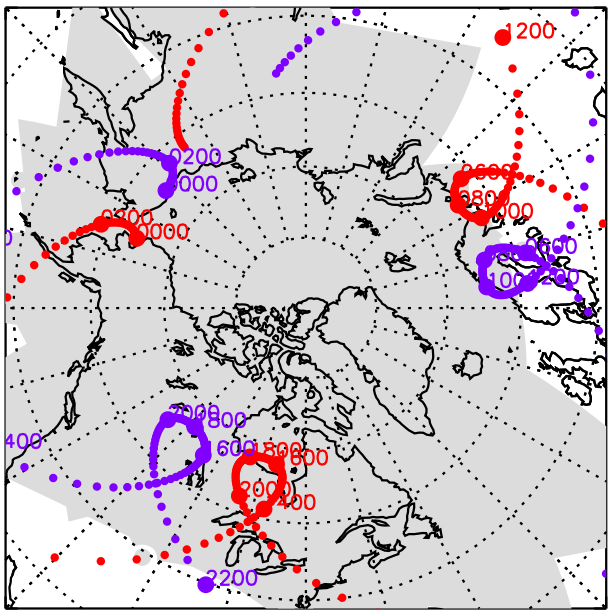


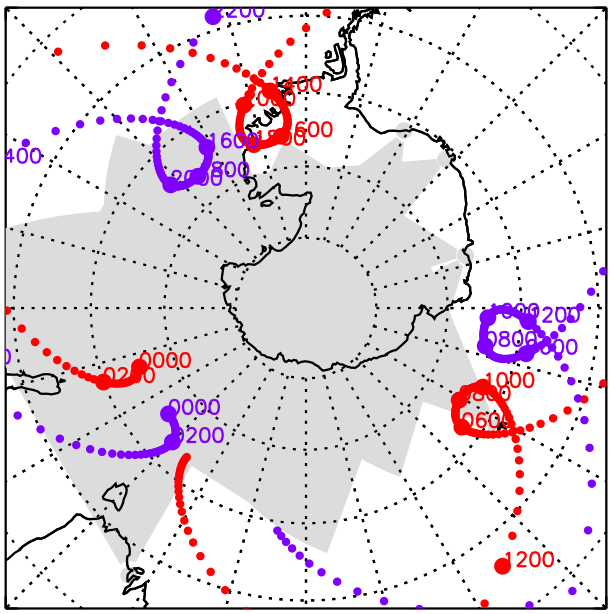

(c) 2030UT to 2355UT
ade adw cly cvw fhw hok kap ksr
bpk tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

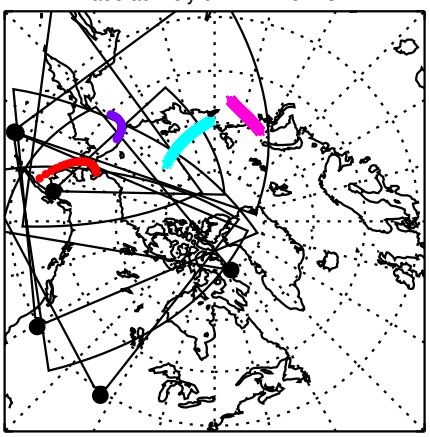
26–Oct–2017

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

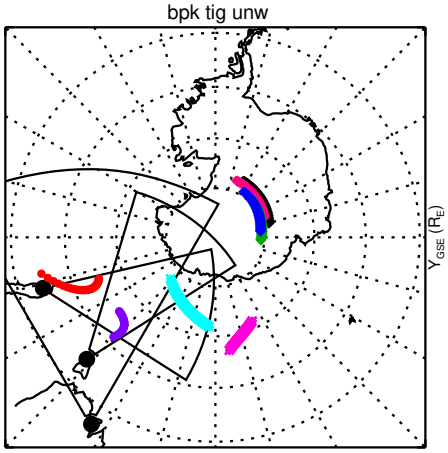


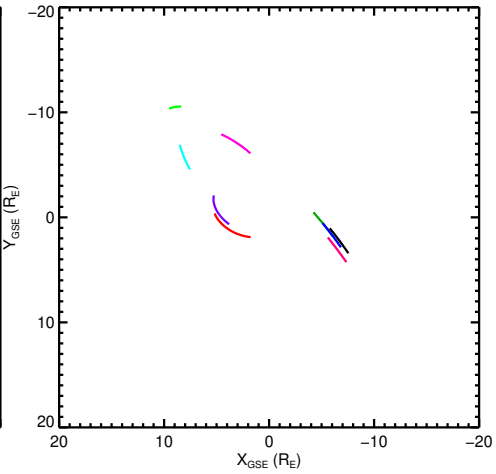


(a) 0000UT to 0235UT
ade adw cly cvw fhw hok ksr

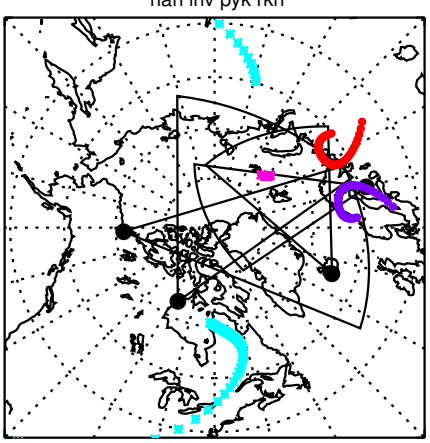


bpk tig unw

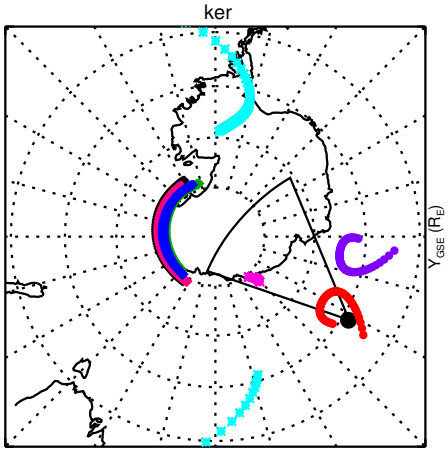


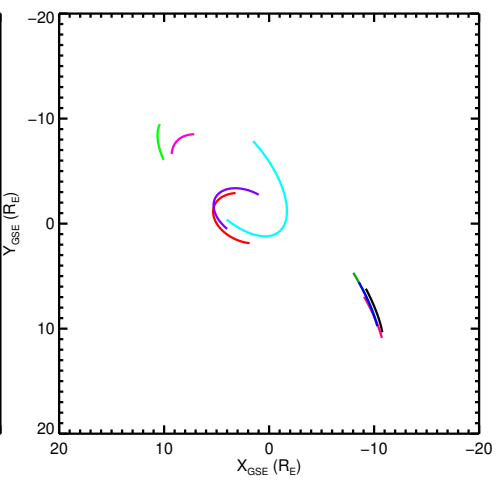


(b) 0530UT to 1130UT
han inv pyk rkn

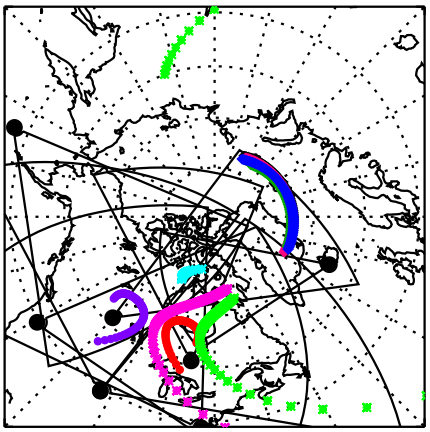


ker

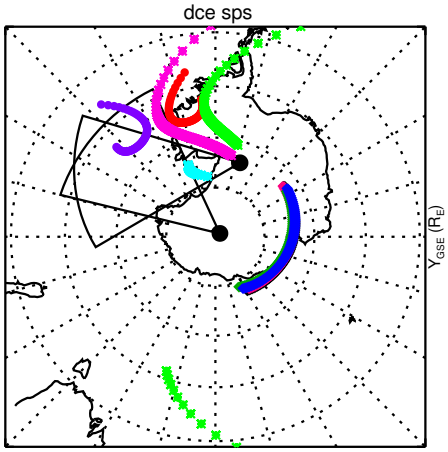


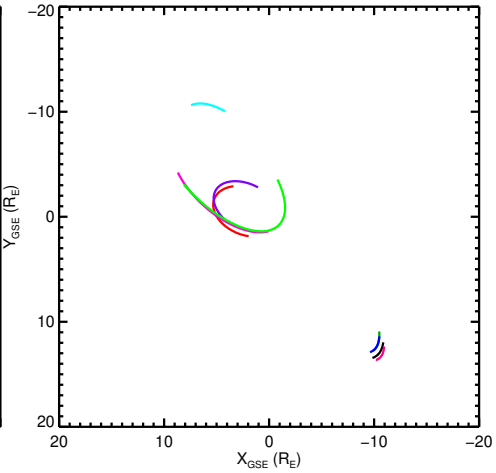


(c) 1435UT to 2025UT
ade bks cve fhe fhw kap sas sto

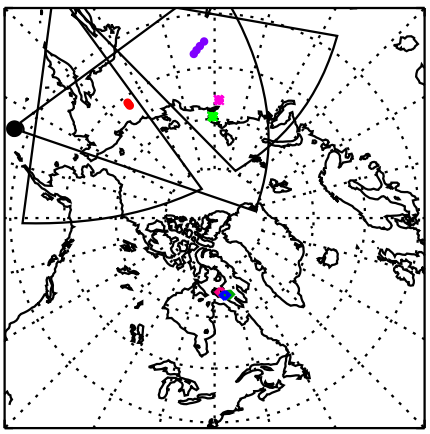


dce sps

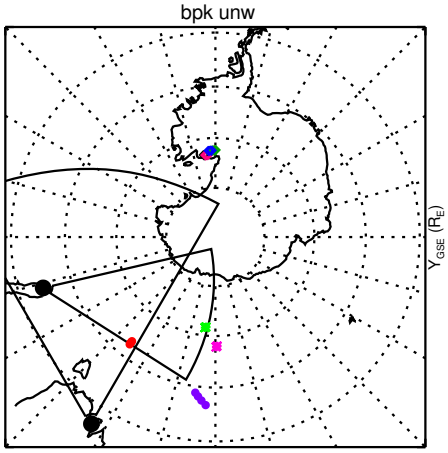


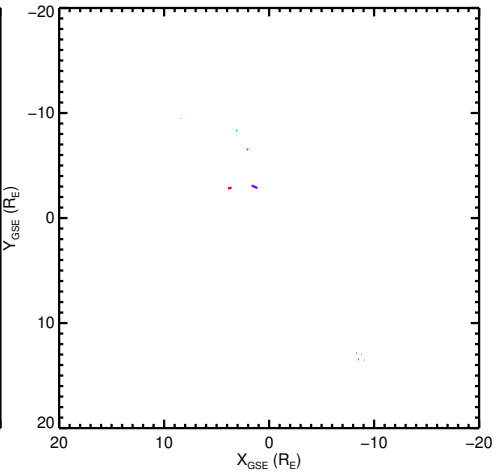


(d) 2340UT to 2355UT
adw hkw hok



bpk unw

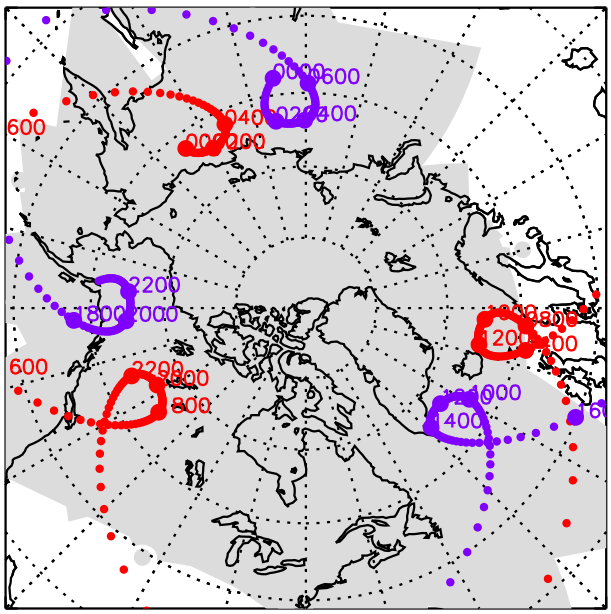


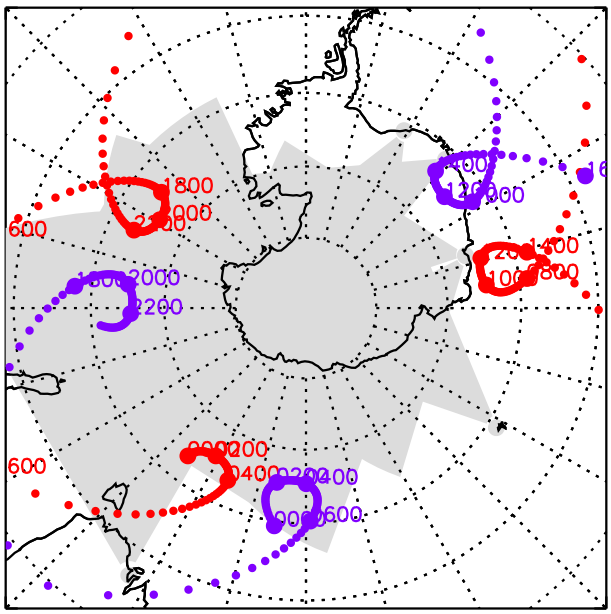


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

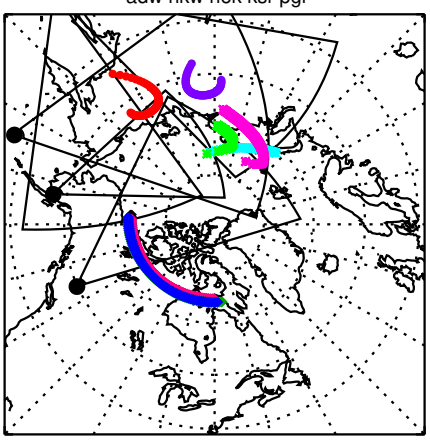
27−Oct−2017

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

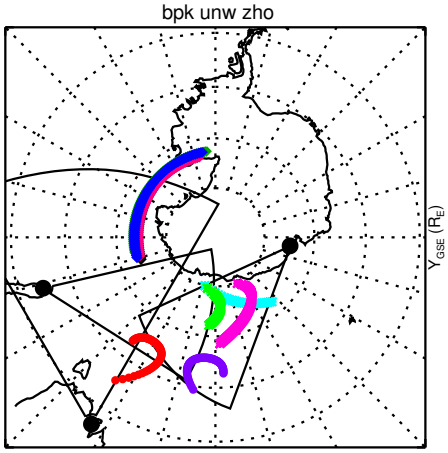


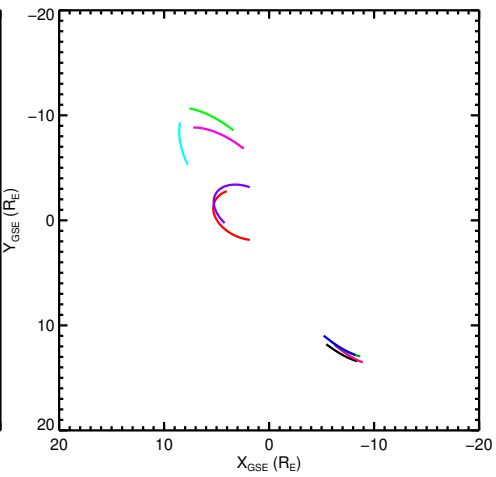


(a) 0000UT to 0525UT
adw hkw hok ksr pgr

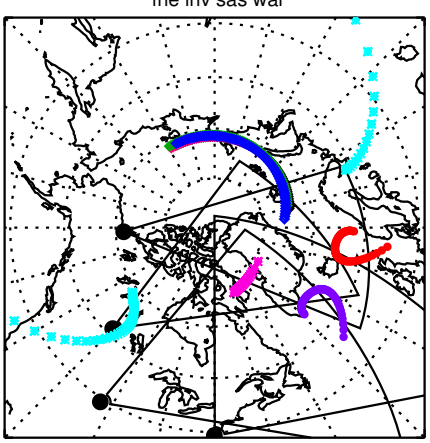


bpk unw zho

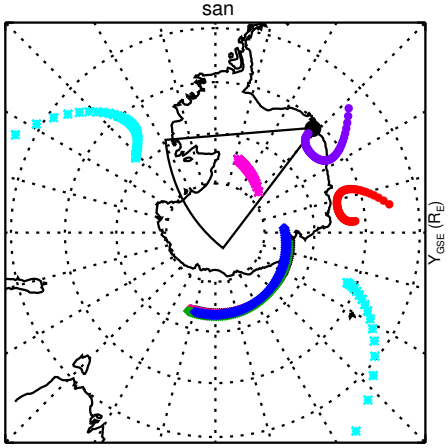


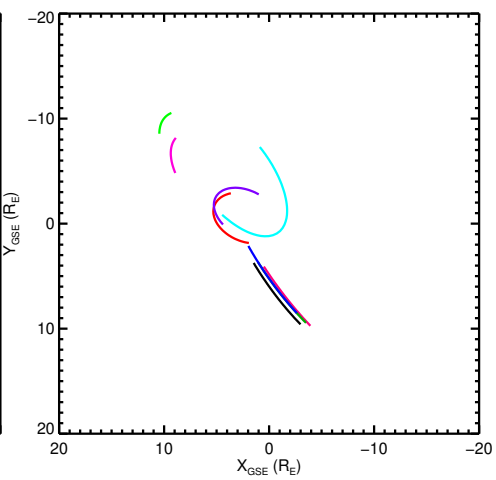


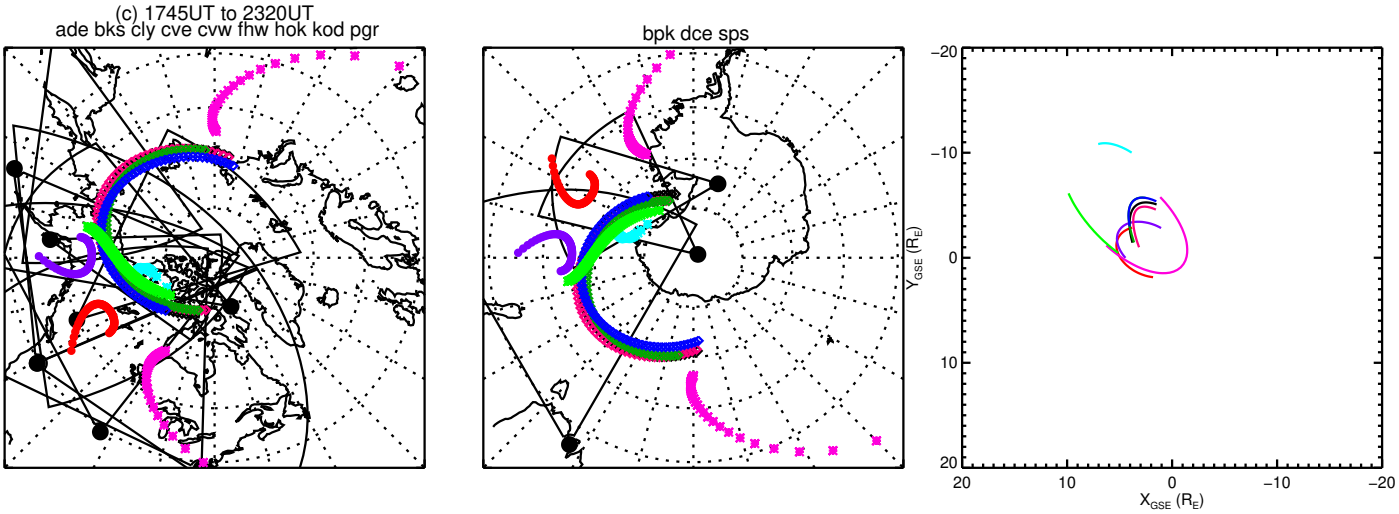
(b) 0840UT to 1420UT
fhe inv sas wal



san



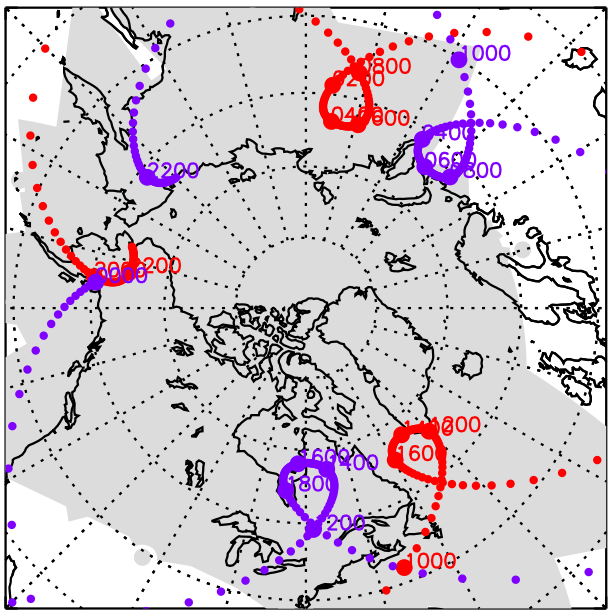


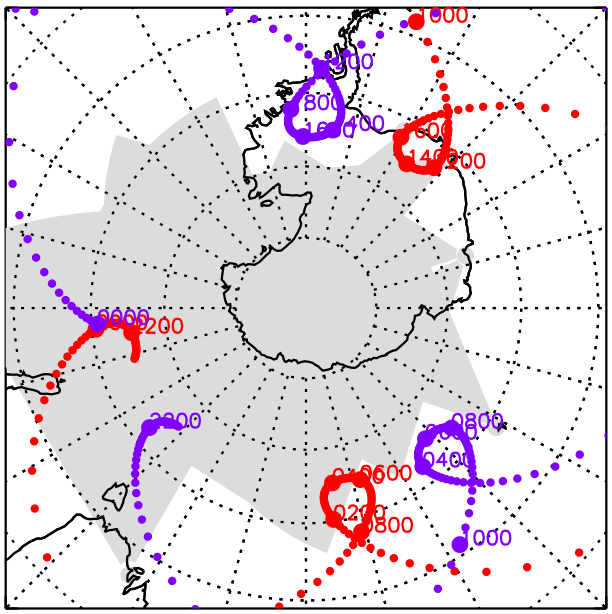

(c) 1745UT to 2320UT
ade bks cly cve cvw fhw hok kod pgr
bpk dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

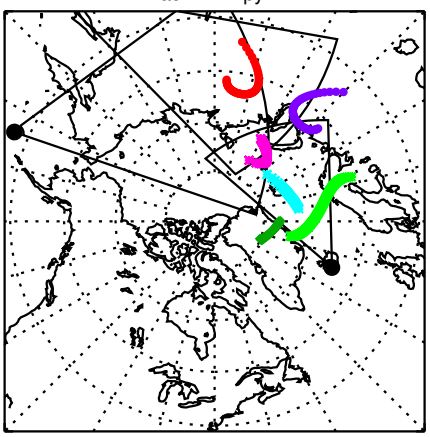
28–Oct–2017

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

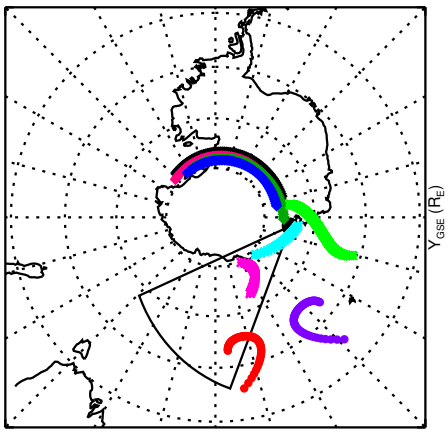


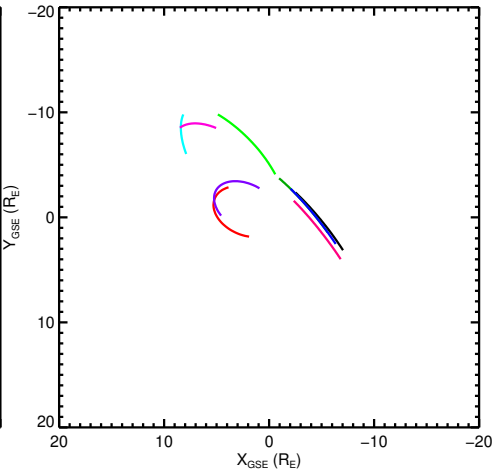


(a) 0245UT to 0815UT
adw hkw pyk

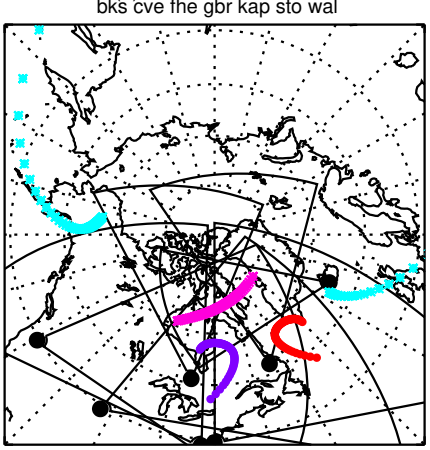


zho

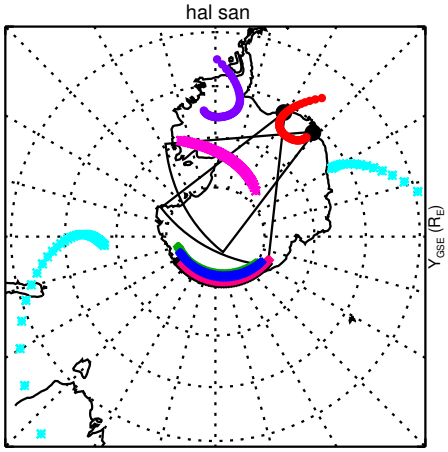


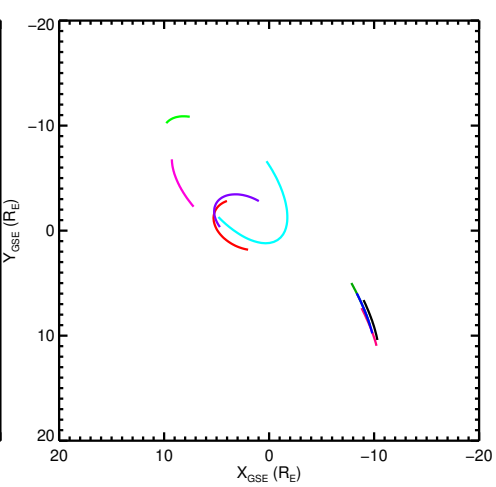


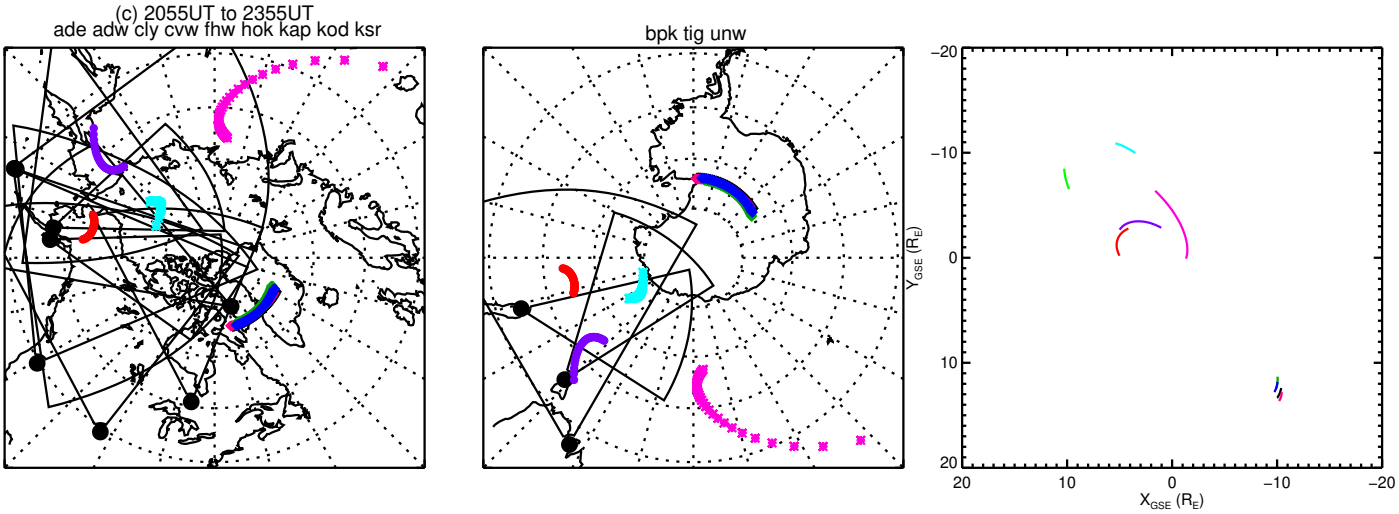
(b) 1150UT to 1710UT
bks cve fhe gbr kap sto wal



hal san



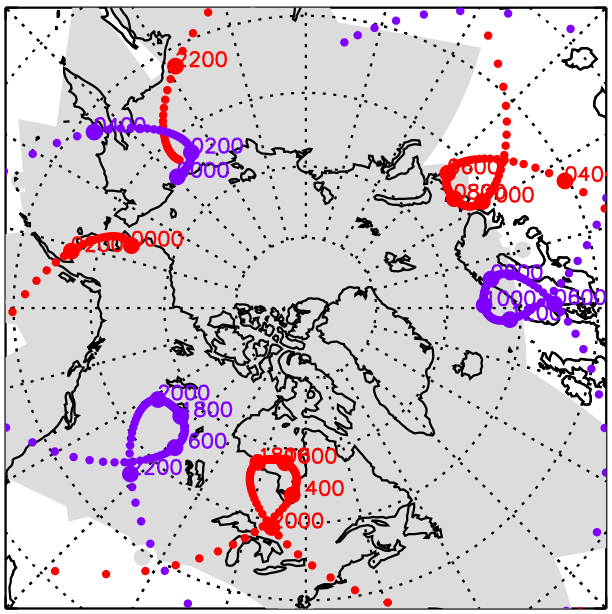


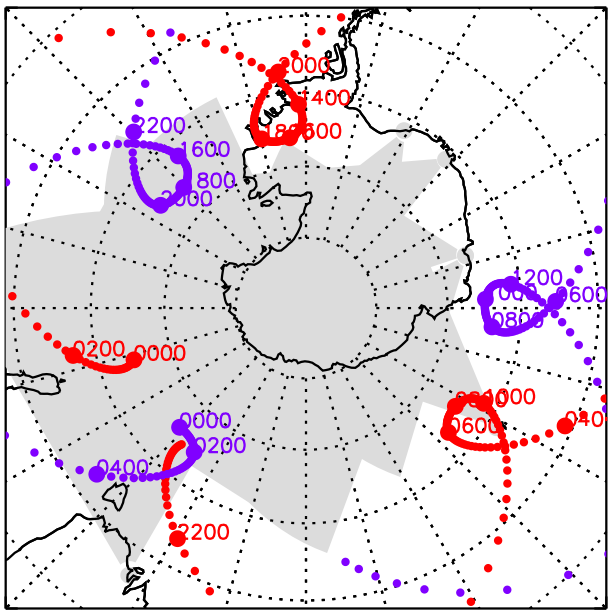

(c) 2055UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr
bpk tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

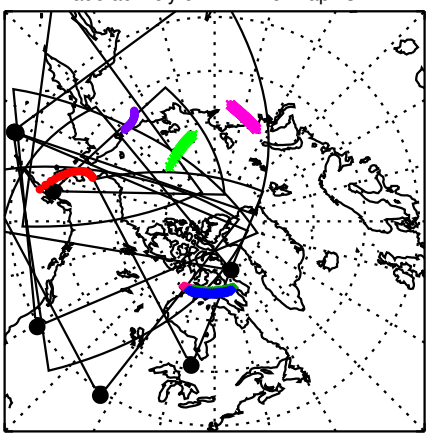
29–Oct–2017

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

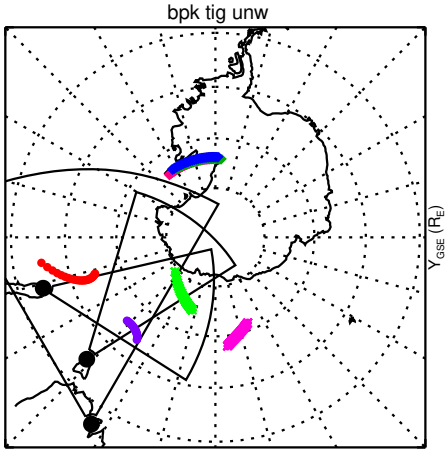


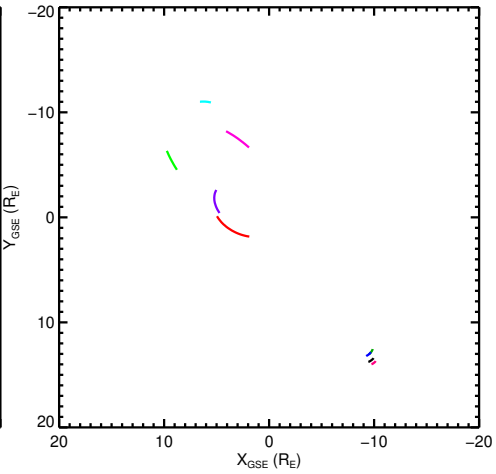


(a) 0000UT to 0210UT
ade adw cly cvw fhw hok kap ksr

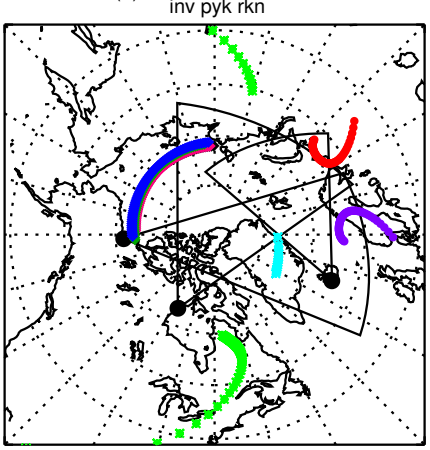


bpk tig unw

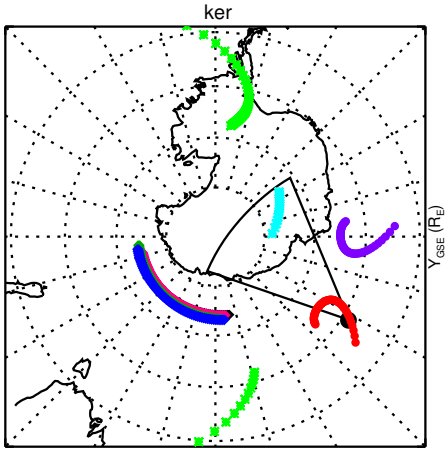


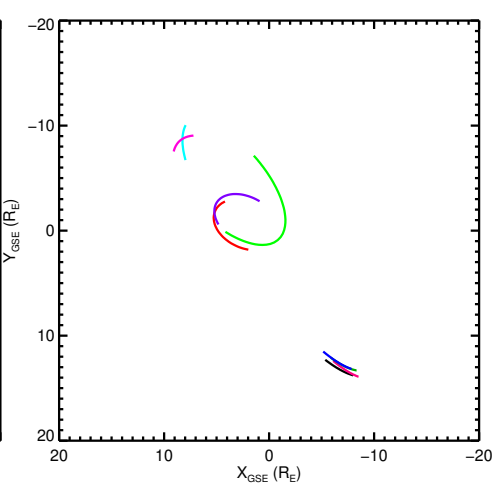


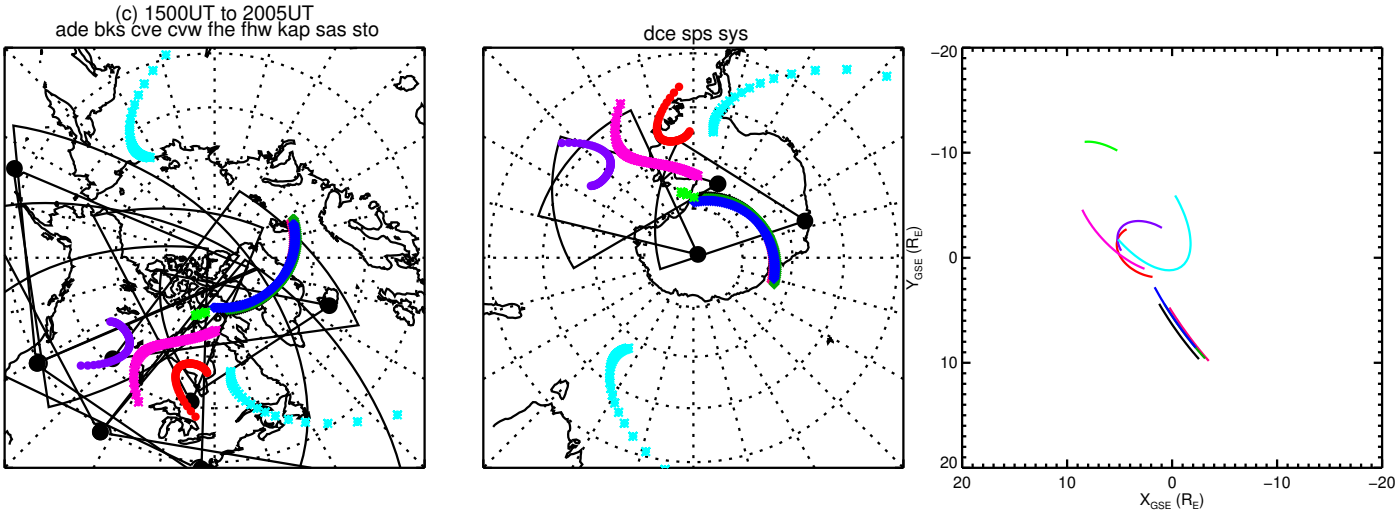
(b) 0555UT to 1105UT
inv pyk rkn



ker



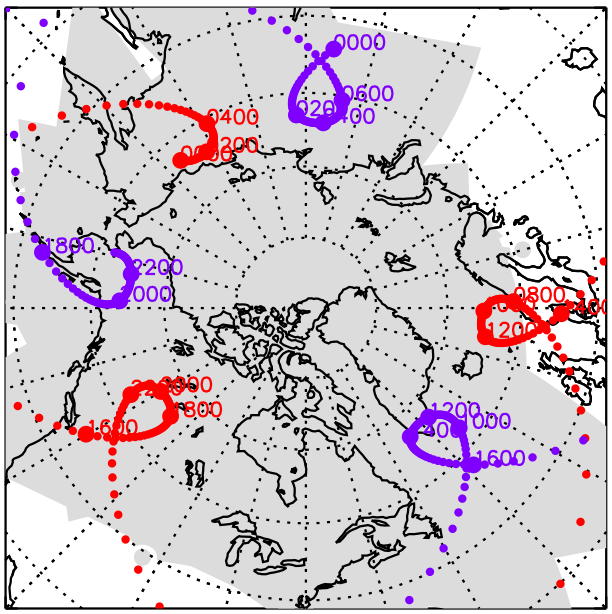


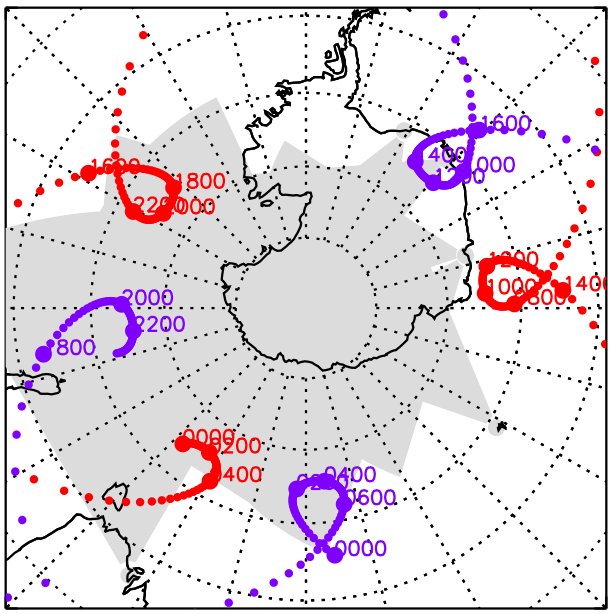

(c) 1500UT to 2005UT
ade bks cve cvw fhe fhw kap sas sto
dce sps sys
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

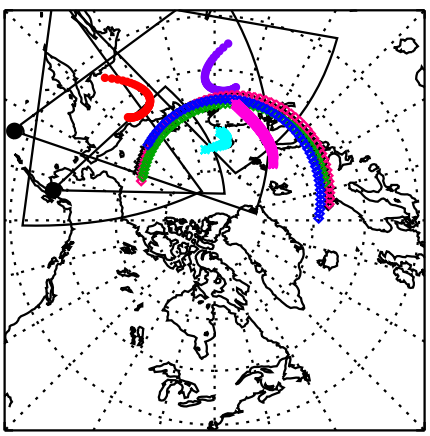
30–Oct–2017

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

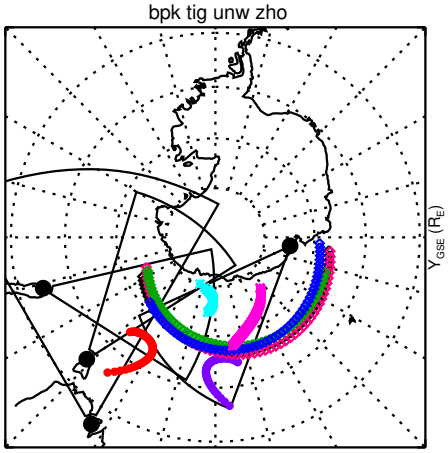


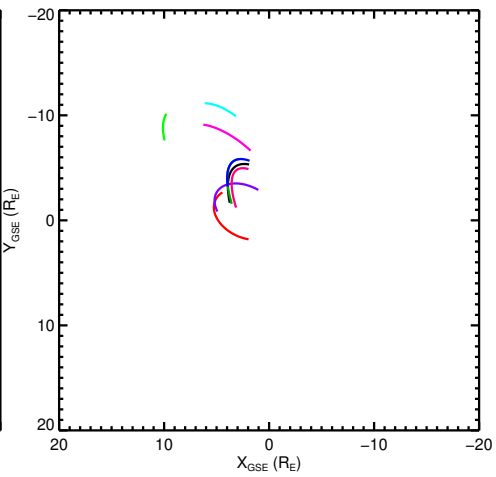


(a) 0005UT to 0500UT
adw hkw hok ksr

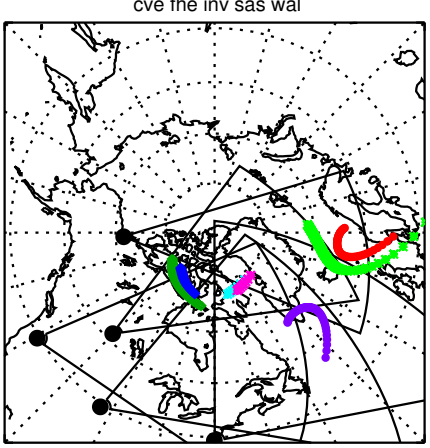


bpk tig unw zho

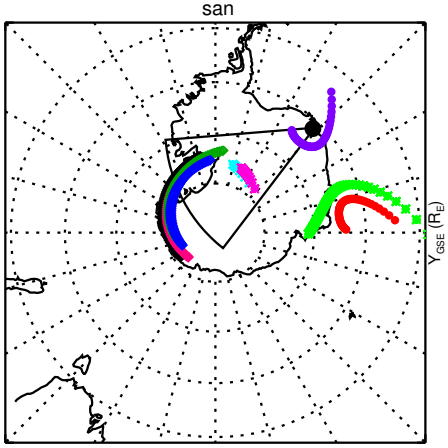


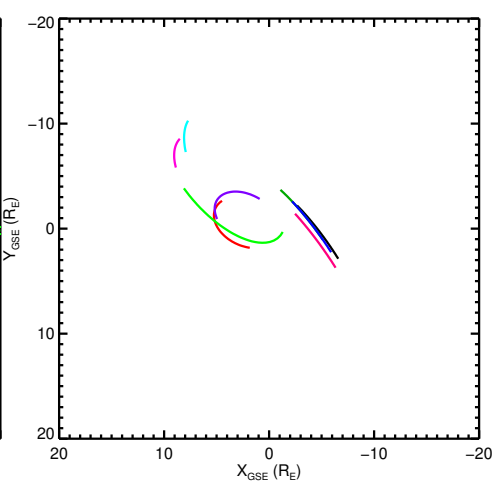


(b) 0905UT to 1400UT
cve fhe inv sas wal

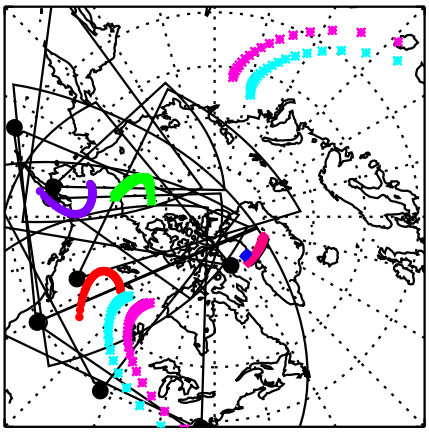


san

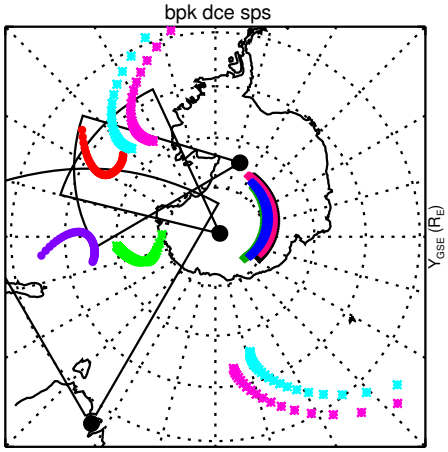


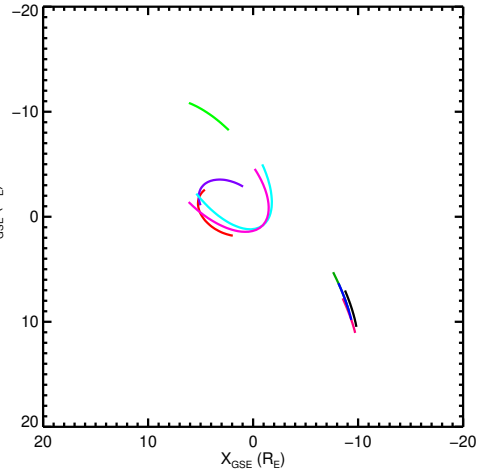


(c) 1810UT to 2255UT
ade bks cly cve cvw fhw hok kod ksr pgr



bpk dce sps

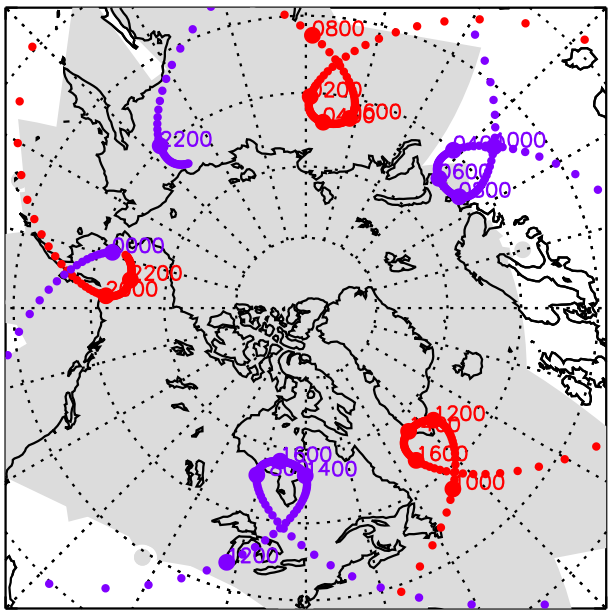


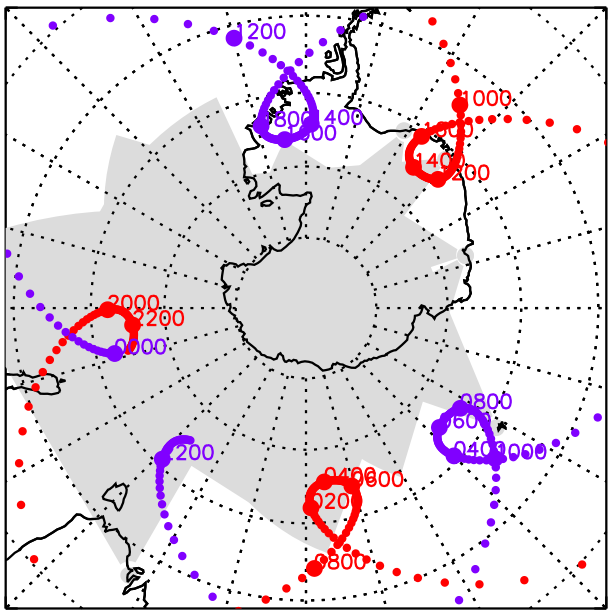


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

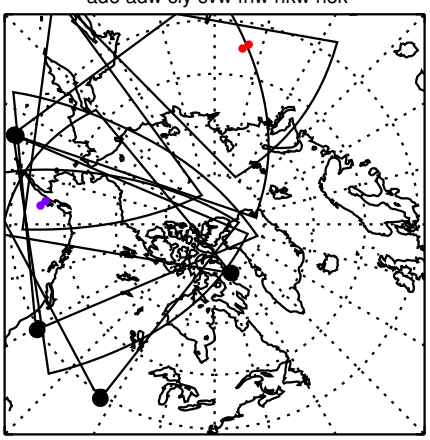
31−Oct−2017

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

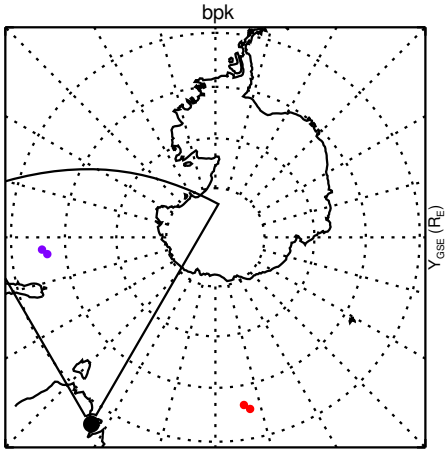


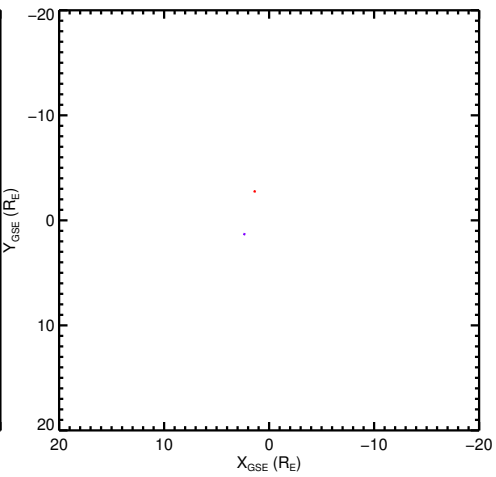


(a) 0100UT to 0105UT
ade adw cly cvw fhw hkw hok

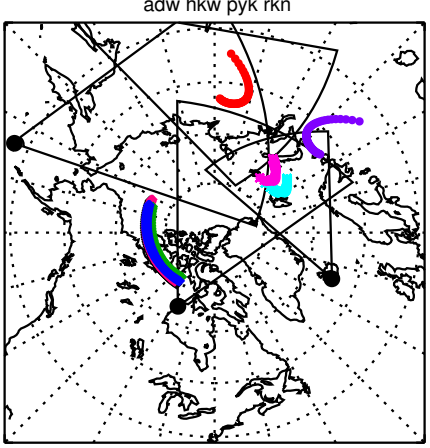


bpk

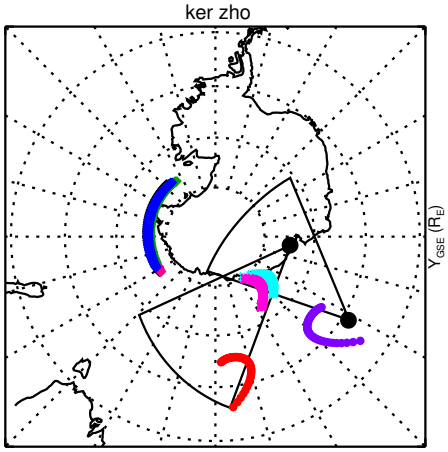


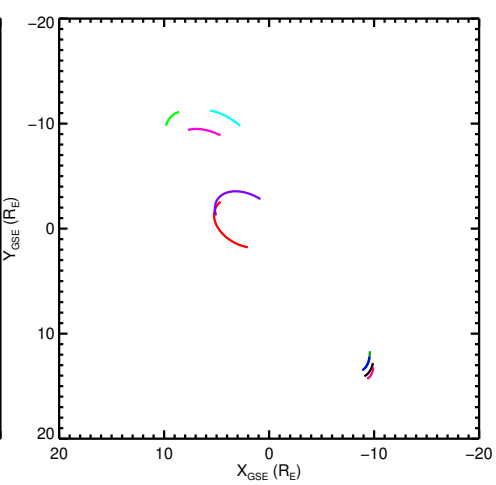


(b) 0310UT to 0750UT
adw hkw pyk rkn

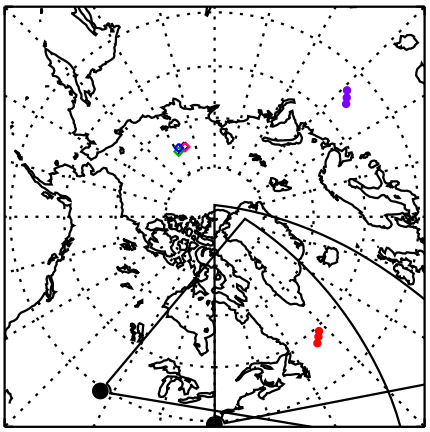


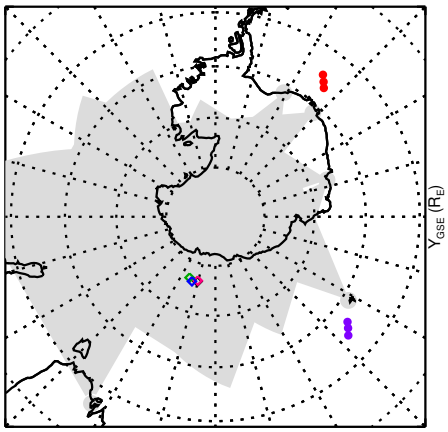
ker zho

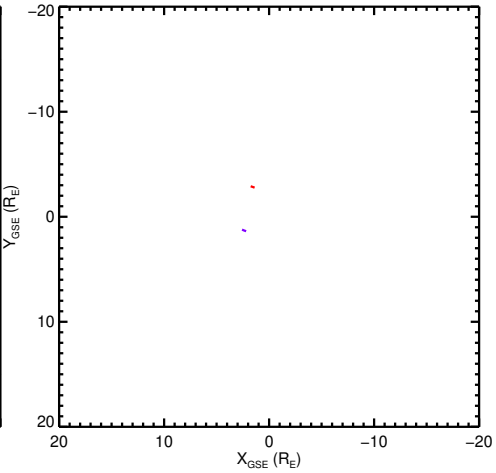




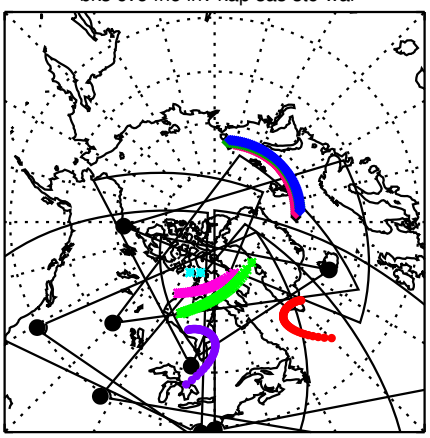
(c) 1000UT to 1010UT
fhe wal



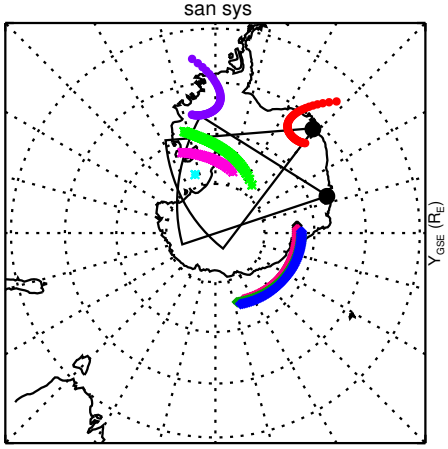


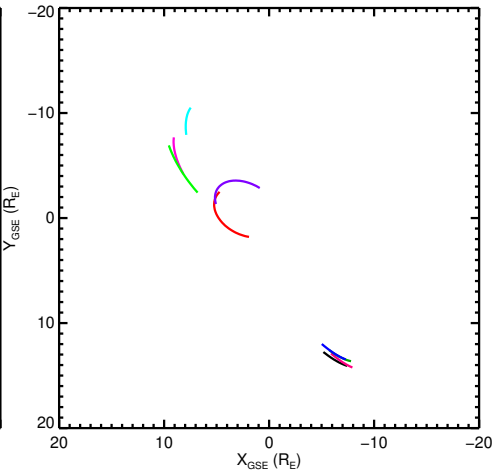


(d) 1215UT to 1650UT
bks cve fhe inv kap sas sto wal

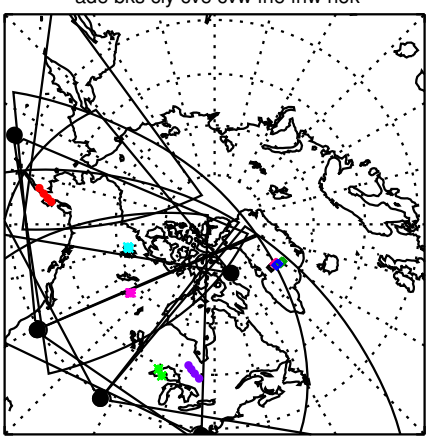


san sys

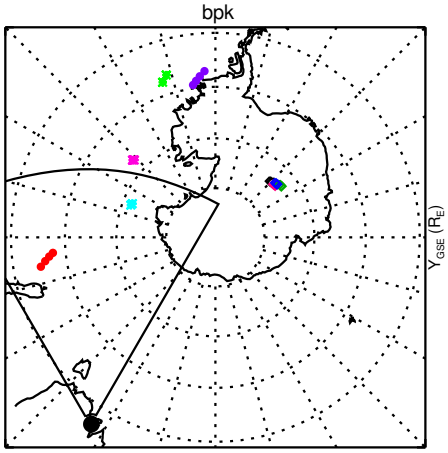


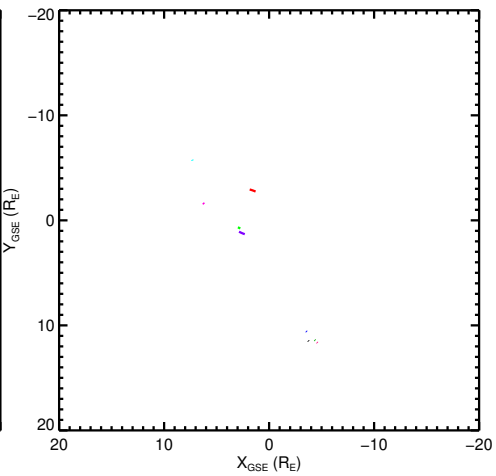


(e) 1855UT to 1910UT
ade bks cly cve cvw fhe fhw hok

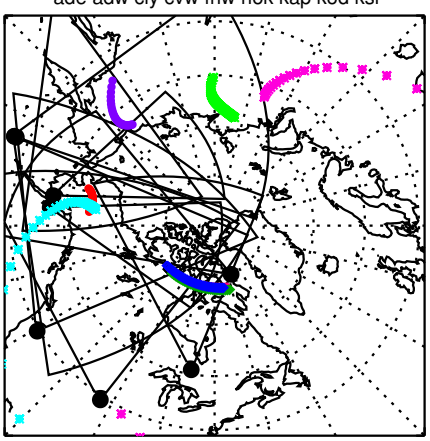
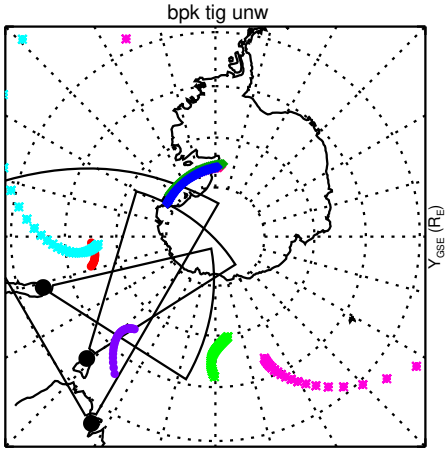
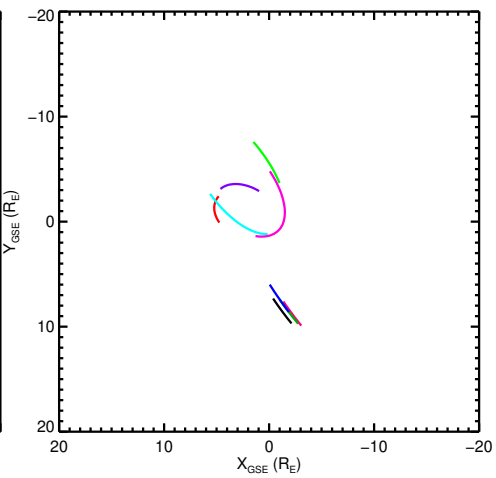


bpk





(f) 2120UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr



bpk tig unw