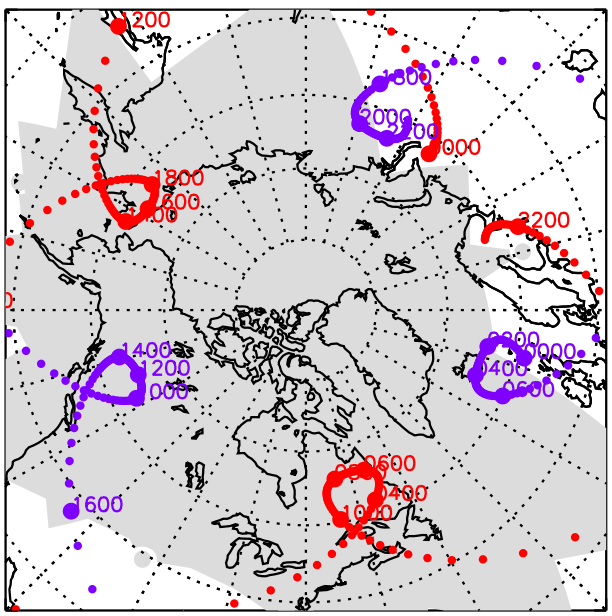
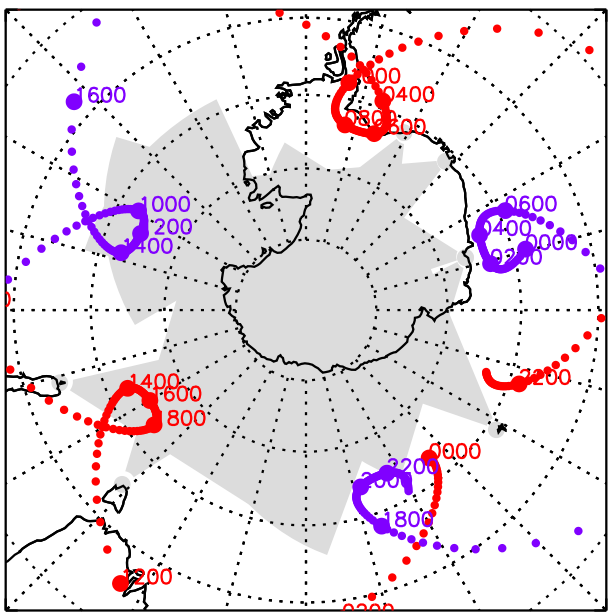
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

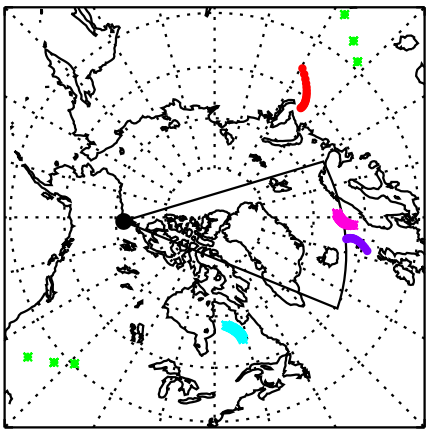
01–Nov–2014

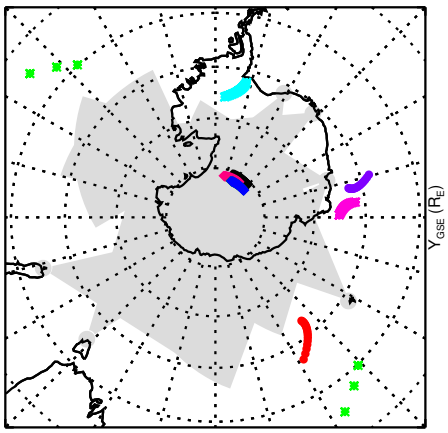
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

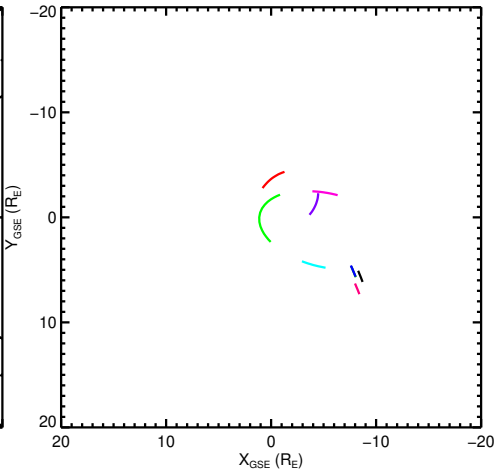




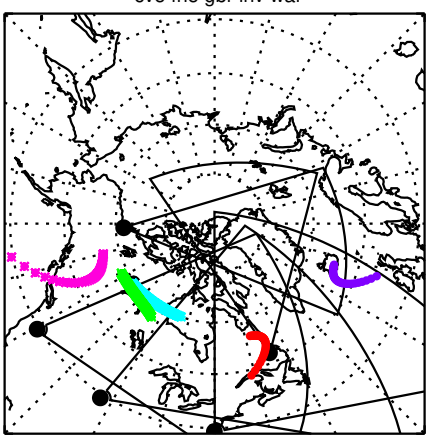
(a) 0000UT to 0125UT
inv

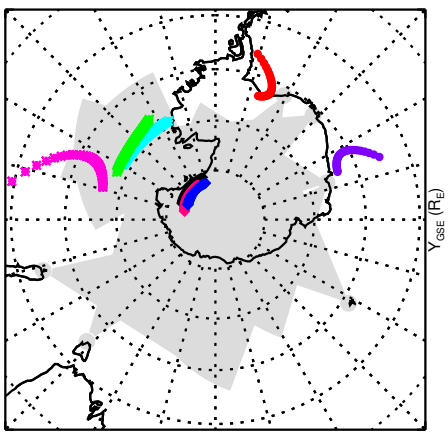


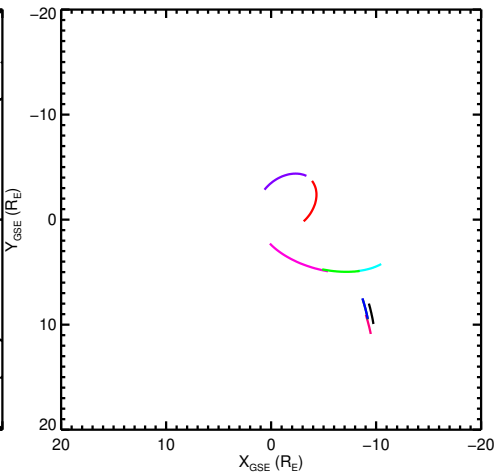




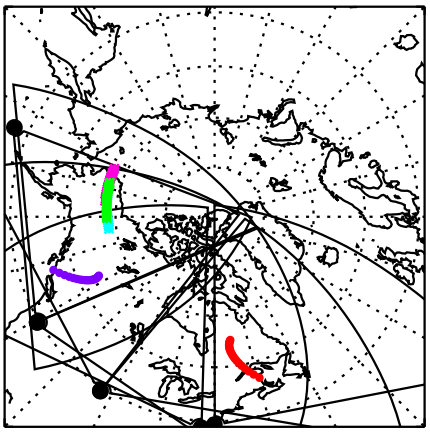
(b) 0335UT to 0630UT
cve fhe gbr inv wal



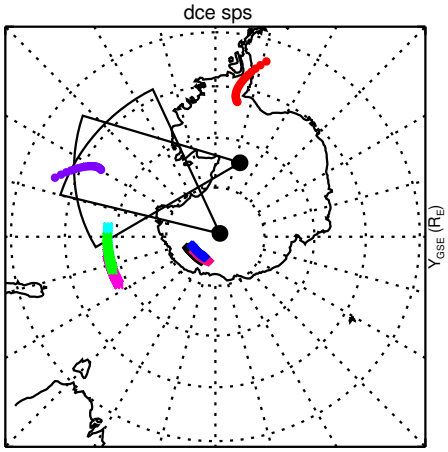


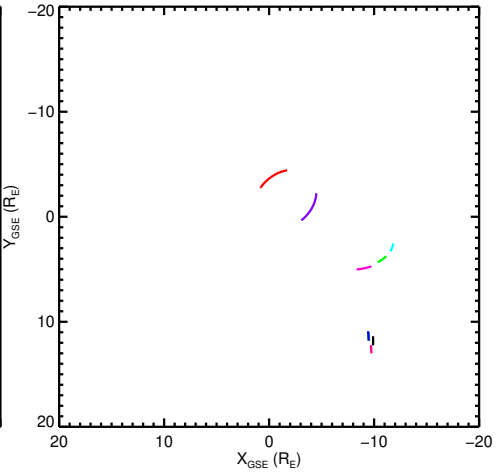


(c) 0840UT to 1025UT
ade bks cve cvw fhe fhw wal

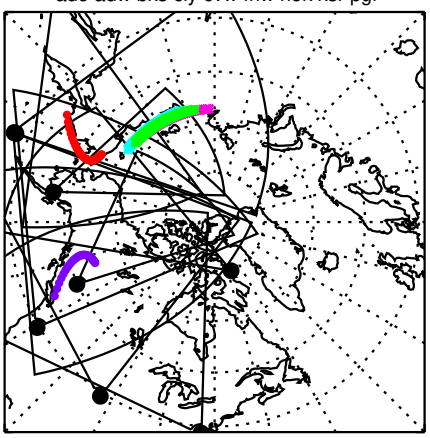


dce sps

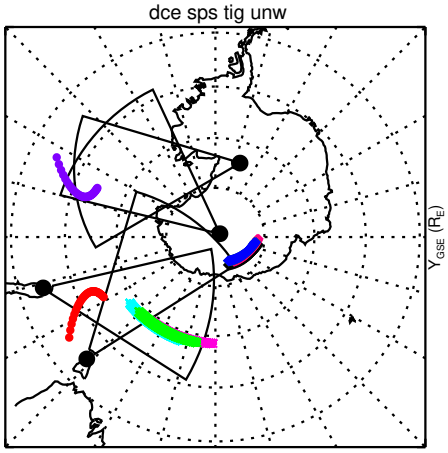


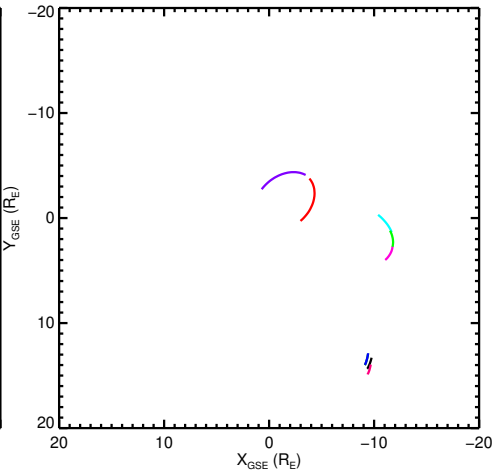


(d) 1230UT to 1535UT
ade adw bks cly cvw fhw hok ksr pgr

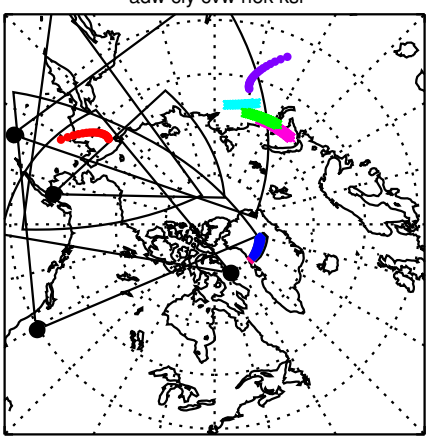


dce sps tig unw

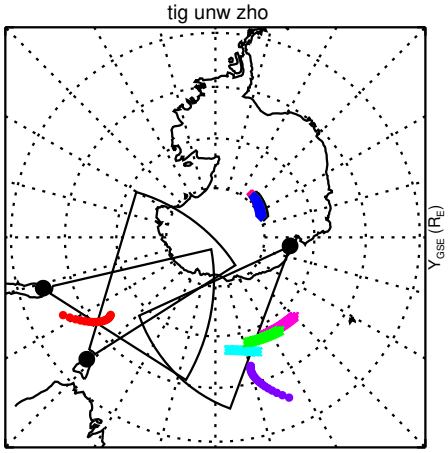


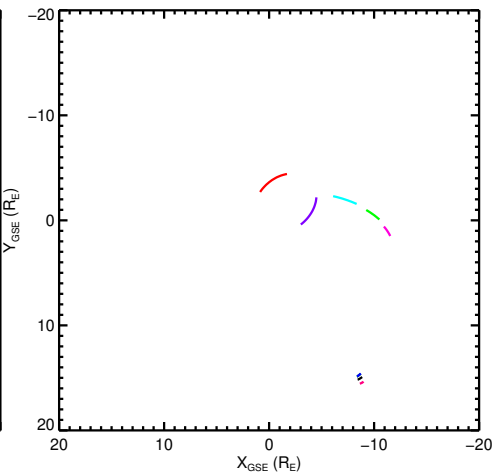


(e) 1740UT to 1925UT
adw cly cvw hok ksr

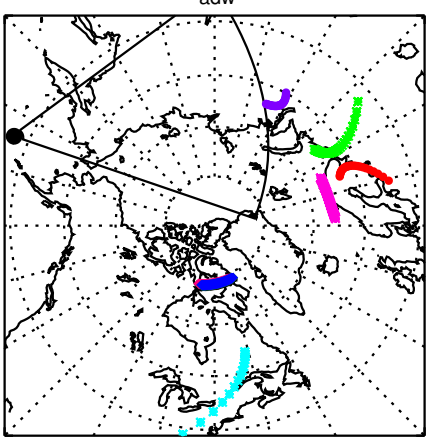


tig unw zho





(f) 2130UT to 2355UT
adw



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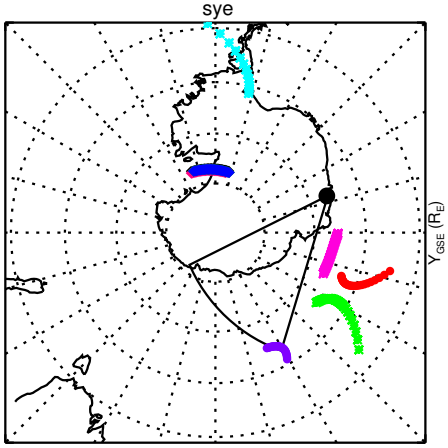
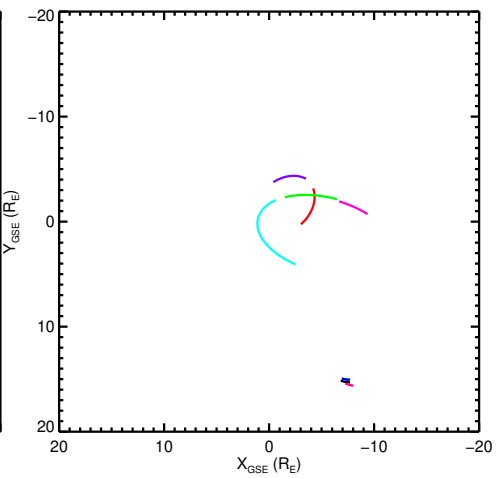
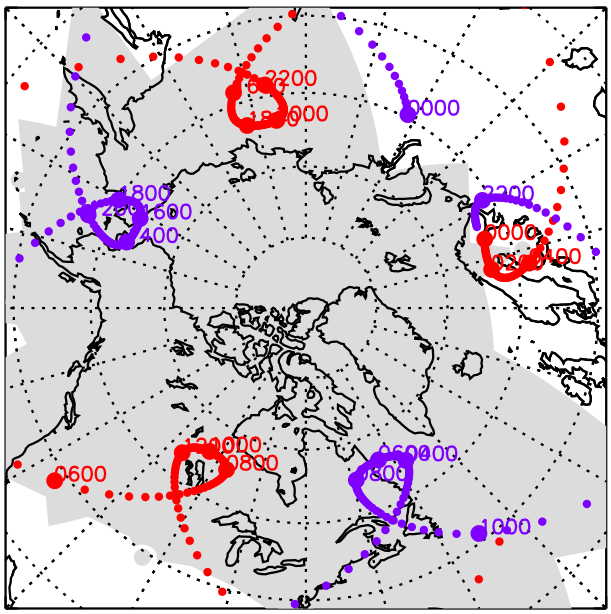


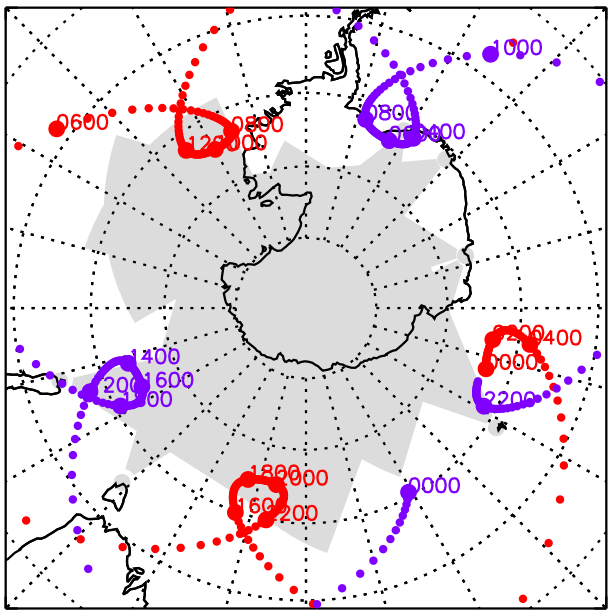


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

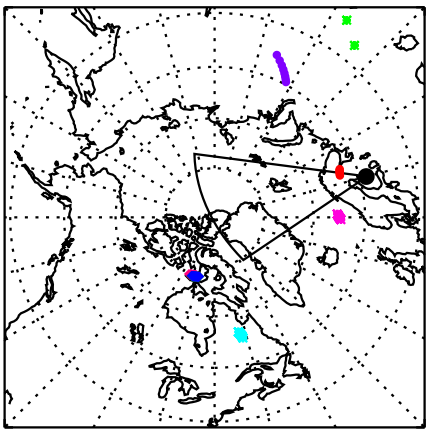
02–Nov–2014

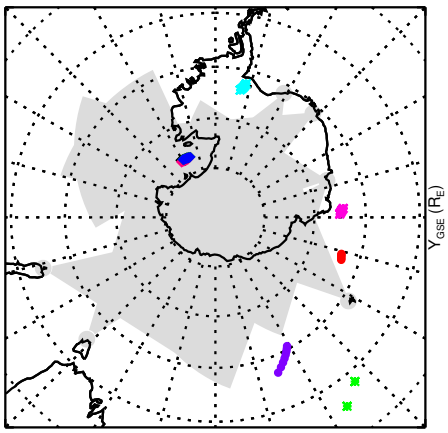
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

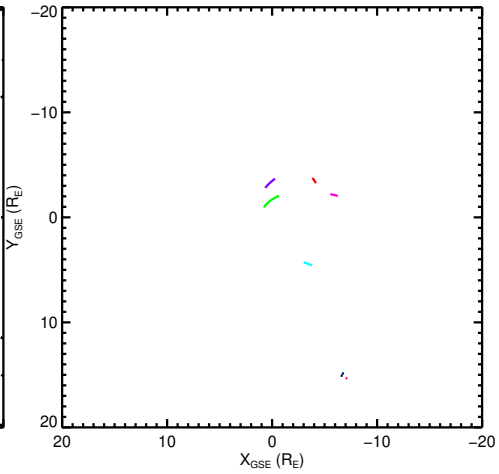




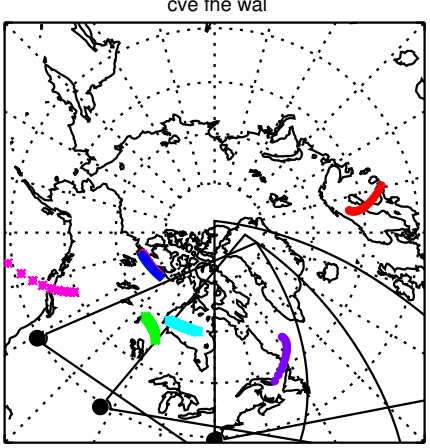
(a) 0000UT to 0035UT
han

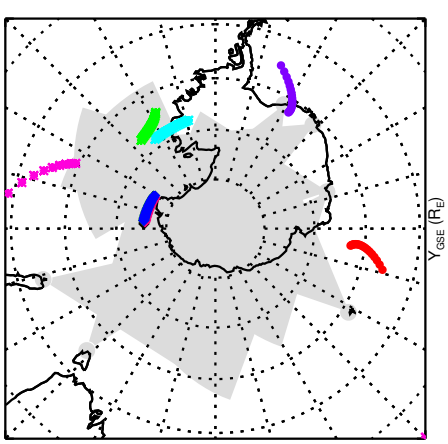


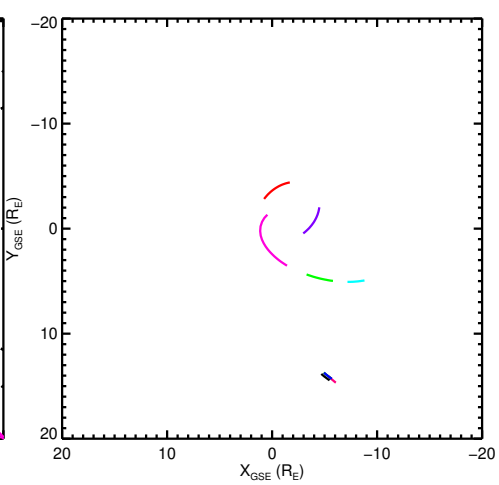




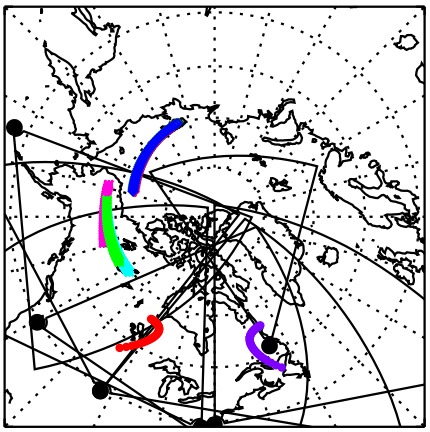
(b) 0240UT to 0420UT
cve fhe wal



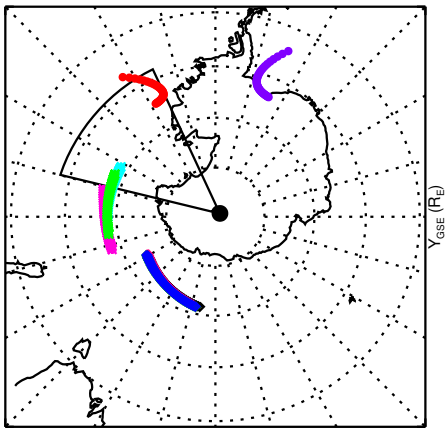


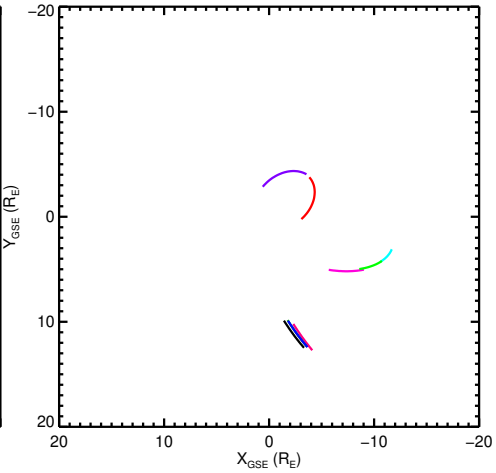


(c) 0630UT to 0935UT
ade bks cve fhe fhw gbr wal

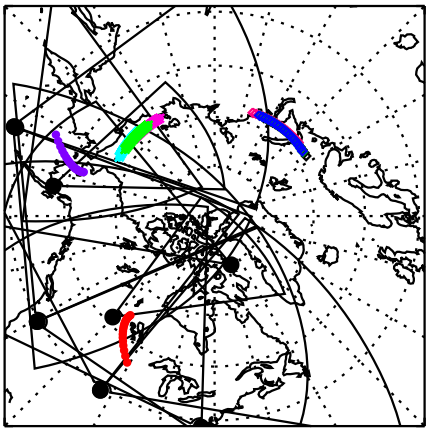


dce

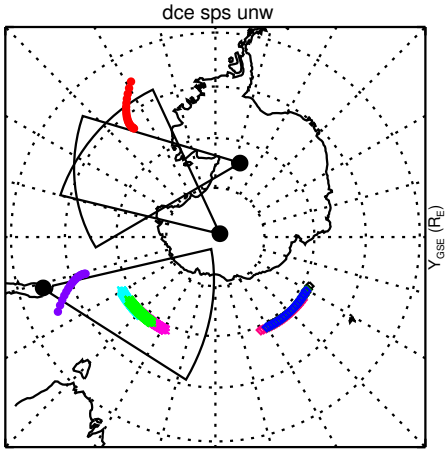


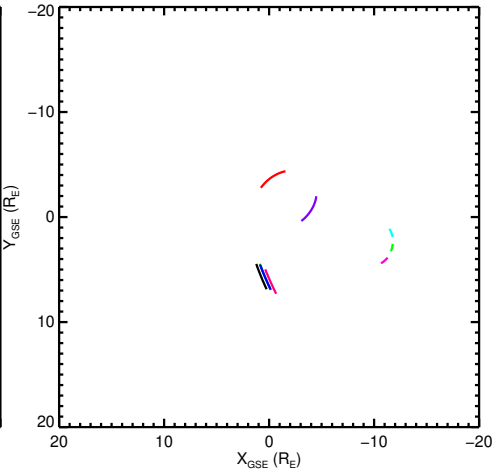


(d) 1145UT to 1320UT
ade adw bks cly cve cvw fhe fhw hok ksr sas

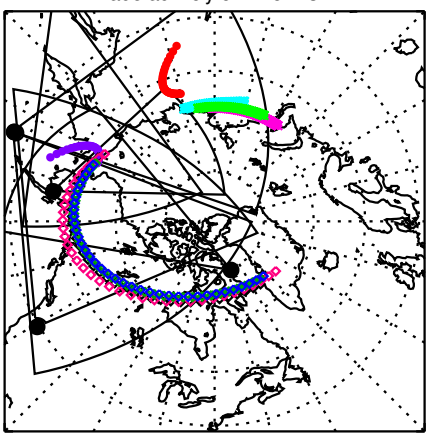


dce sps unw

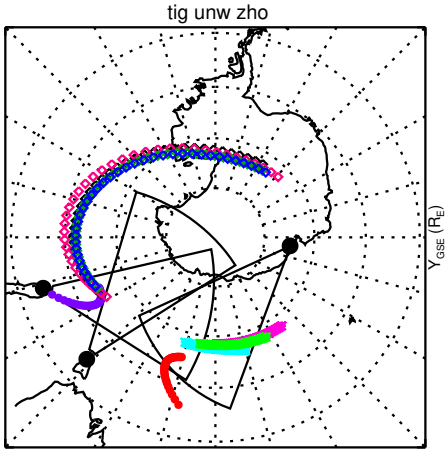


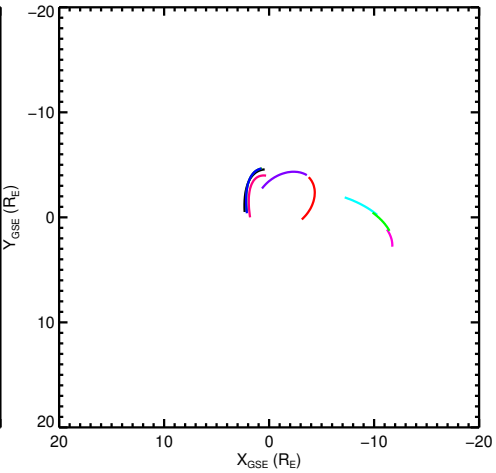


(e) 1530UT to 1840UT
ade adw cly cvw hok ksr

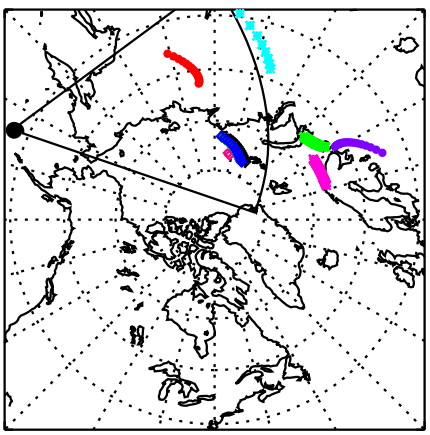


tig unw zho

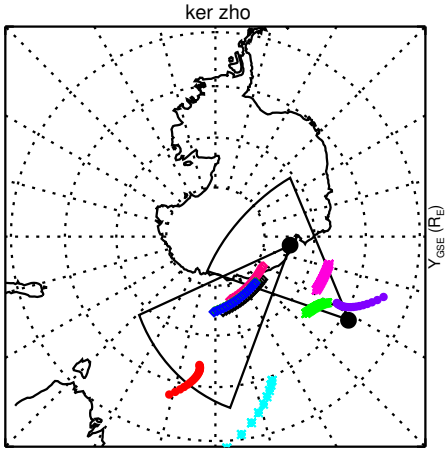


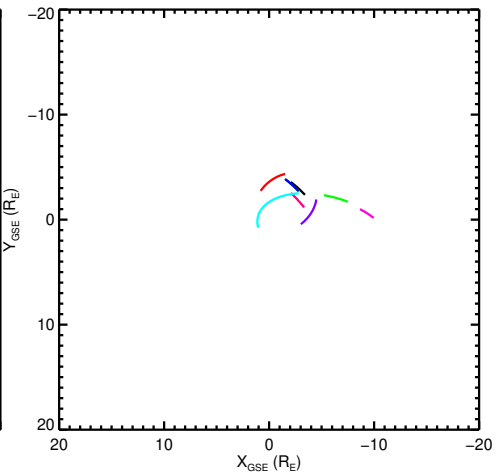


(f) 2045UT to 2220UT
adw



ker zho

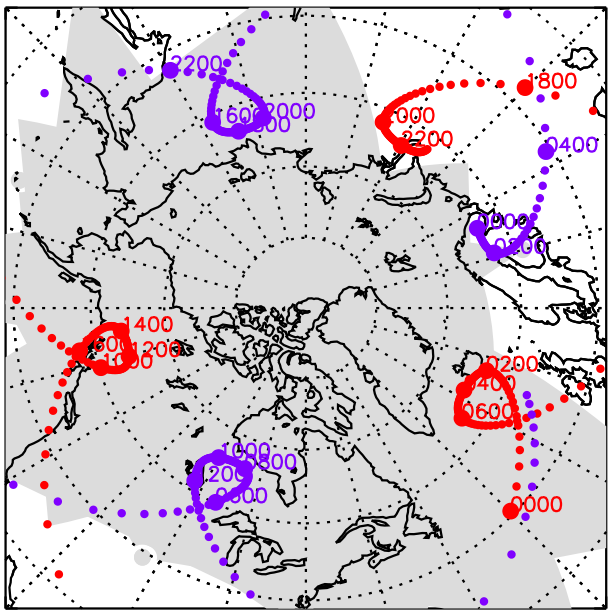


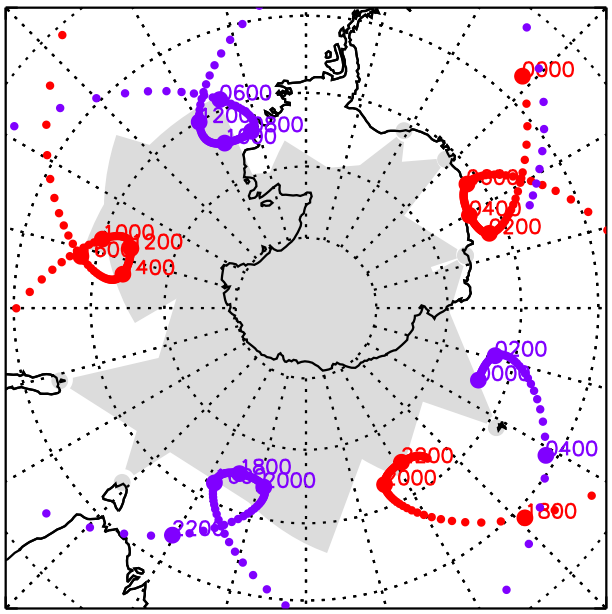


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

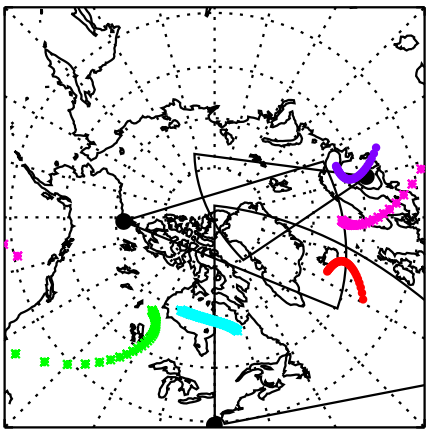
03–Nov–2014

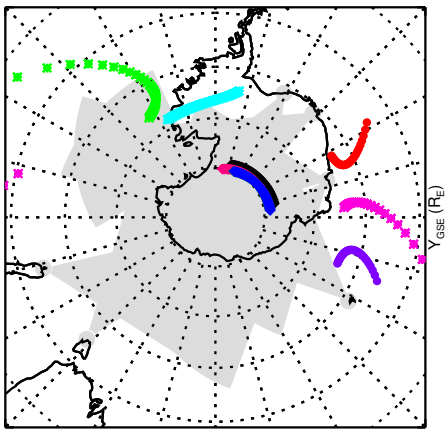
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

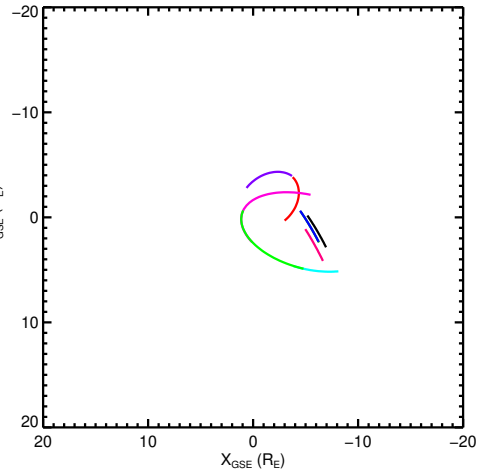




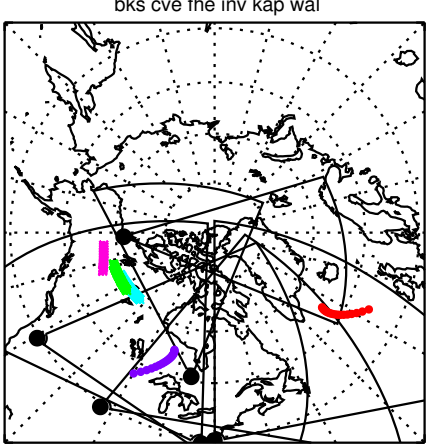
(a) 0025UT to 0340UT
han inv wal



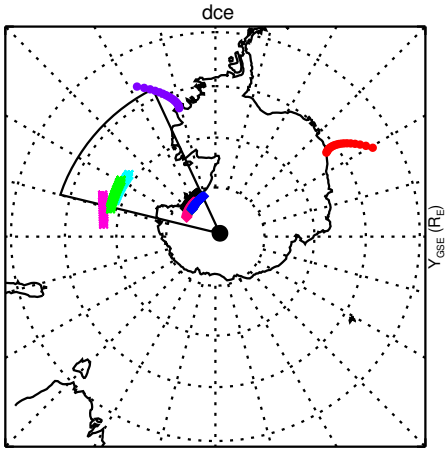


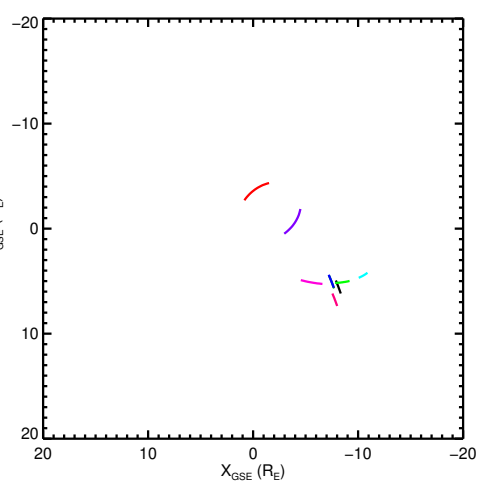


(b) 0545UT to 0720UT
bks cve fhe inv kap wal

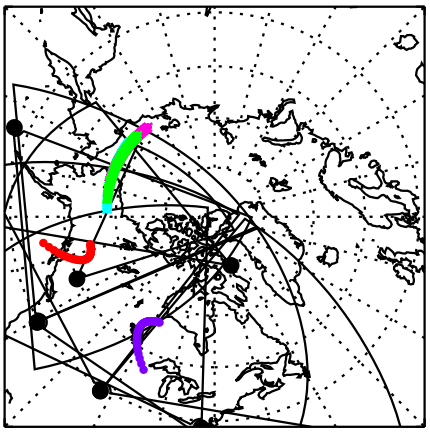


dce

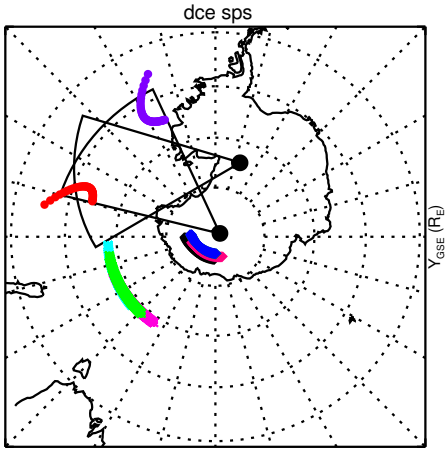


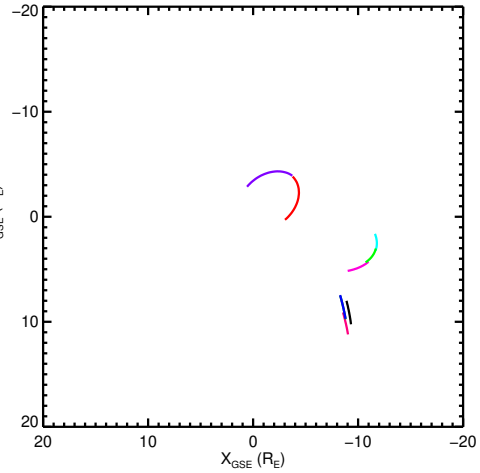


(c) 0925UT to 1240UT
ade bks cly cve cvw fhe fhw pgr

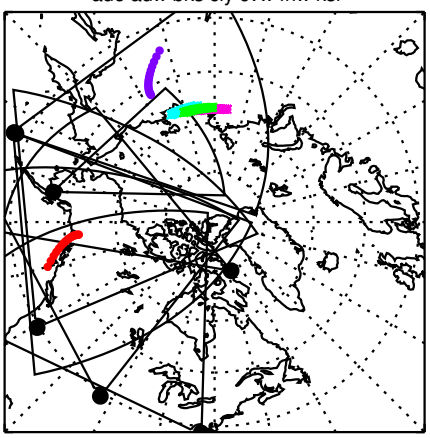


dce sps

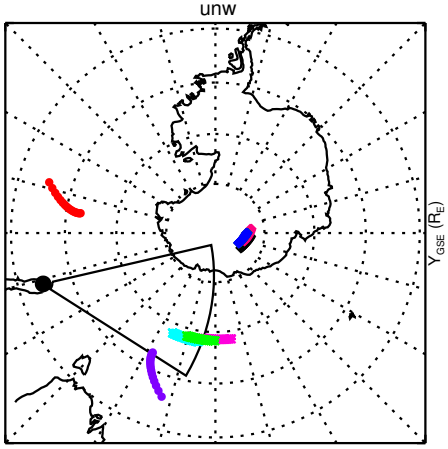


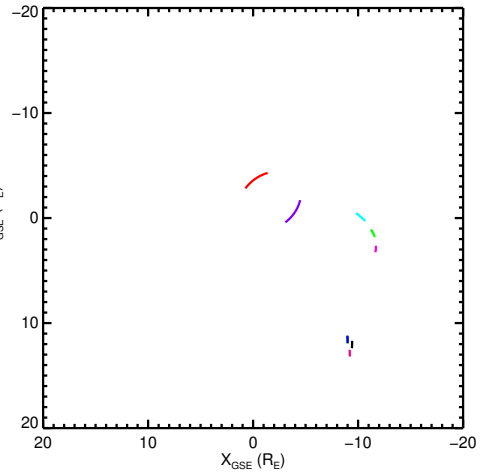


(d) 1450UT to 1615UT
ade adw bks cly cvw fhw ksr

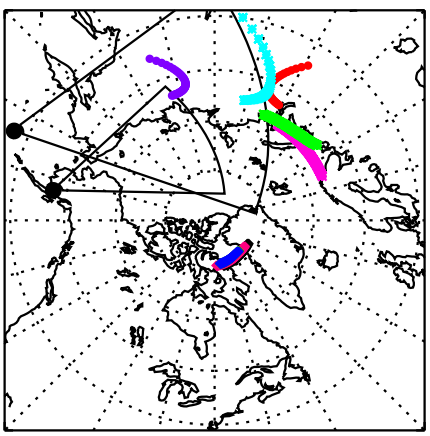


unw

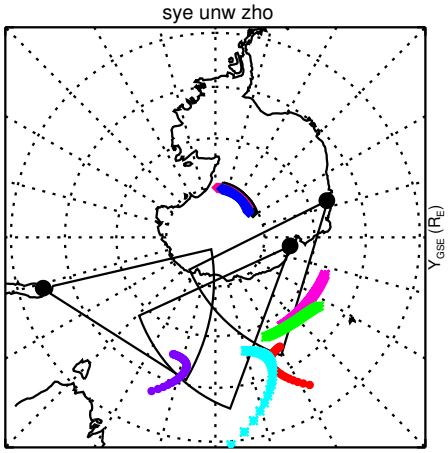


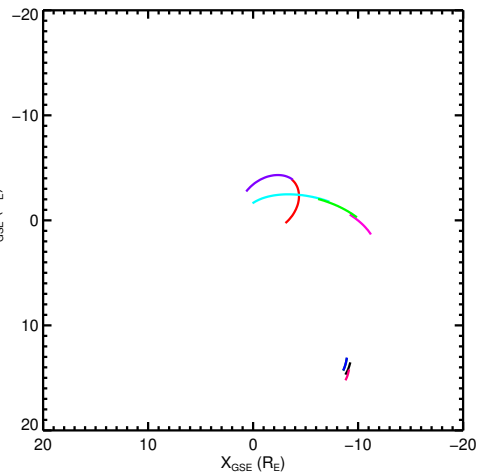


(e) 1825UT to 2145UT
adw ksr

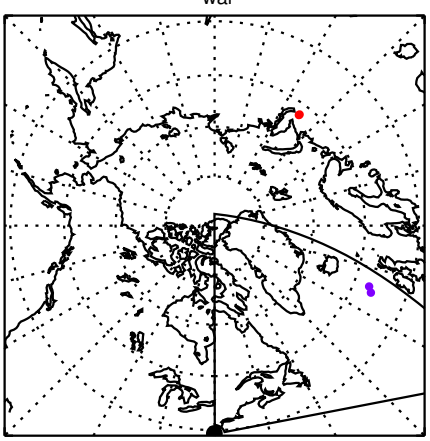


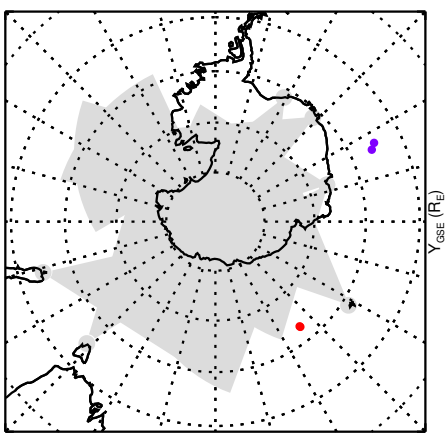
sye unw zho

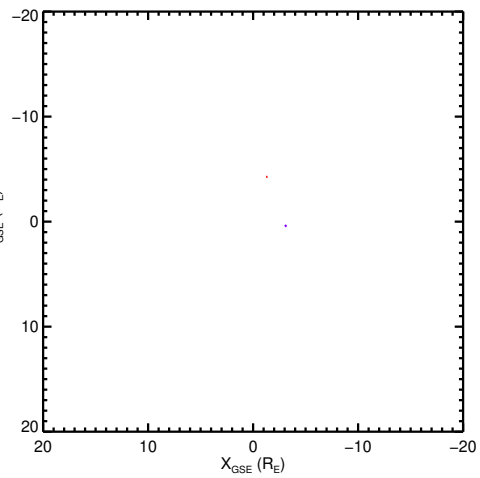




(f) 2350UT to 2355UT
wal



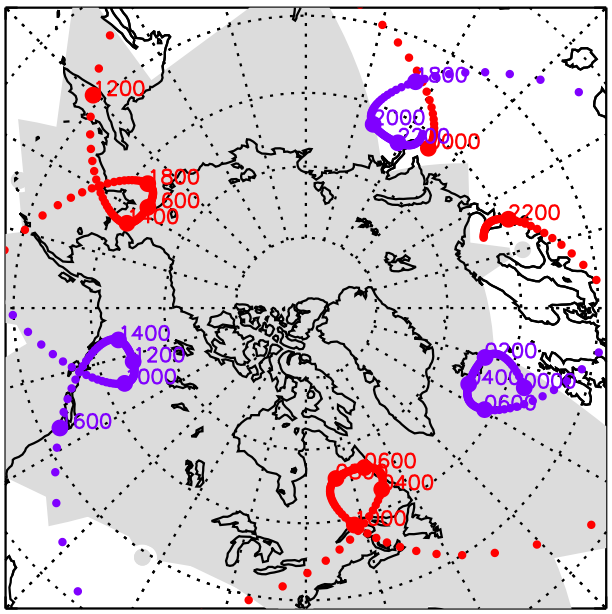




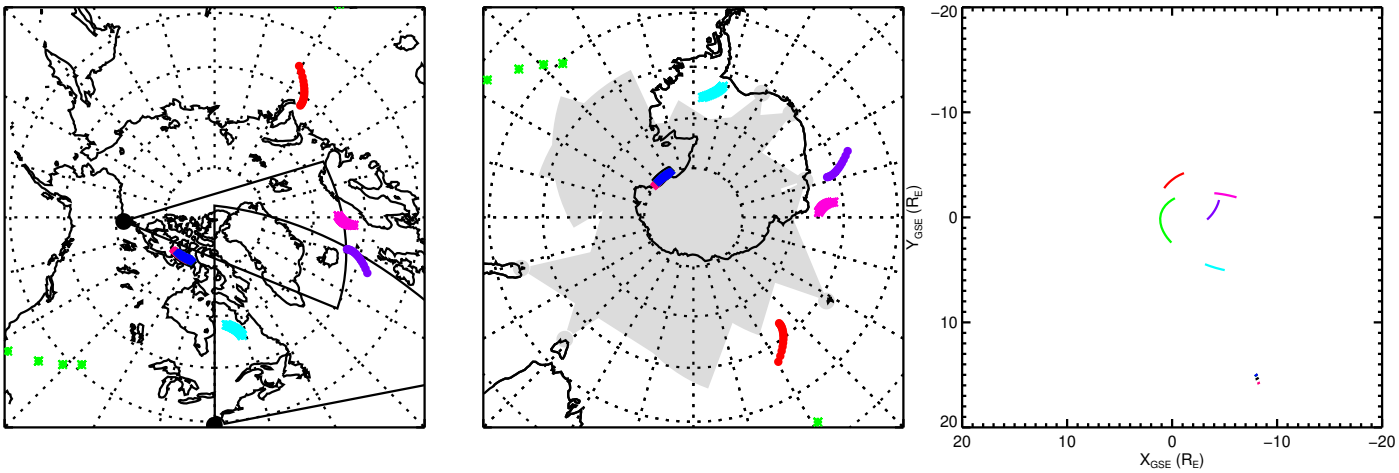
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

04–Nov–2014

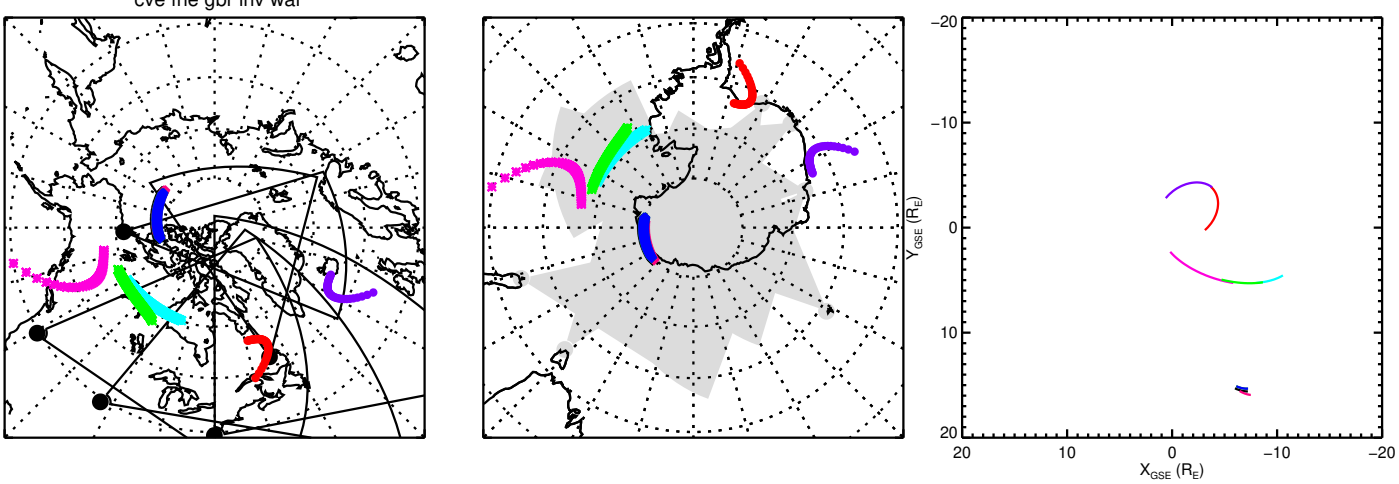
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE



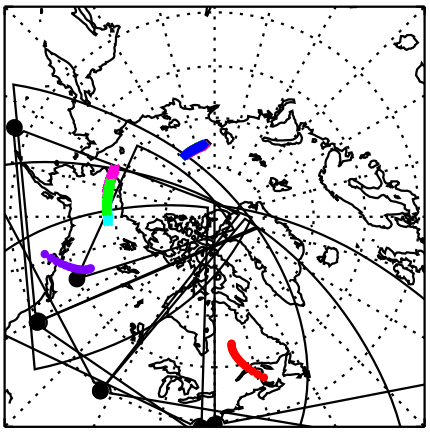
(a) 0000UT to 0115UT
inv wal



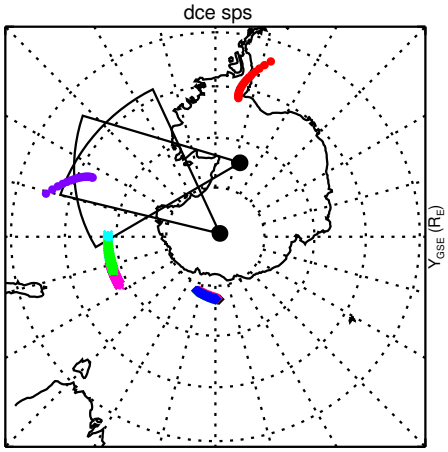
(b) 0325UT to 0645UT
cve fhe gbr inv wal

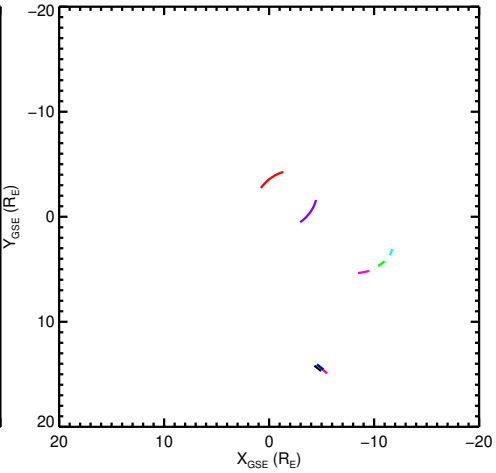


(c) 0850UT to 1015UT
ade bks cve cvw fhe fhw pgr wal

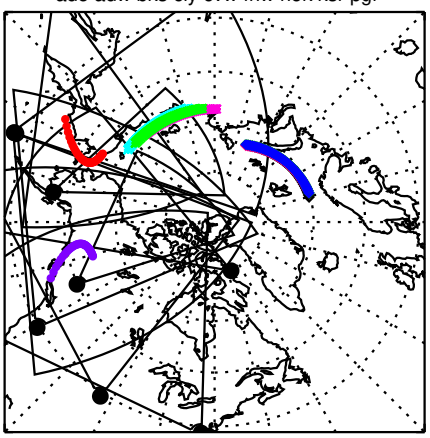


dce sps

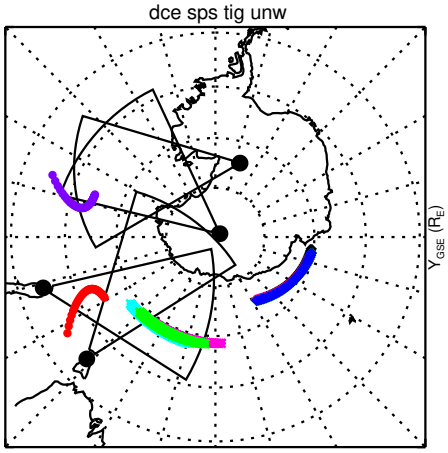


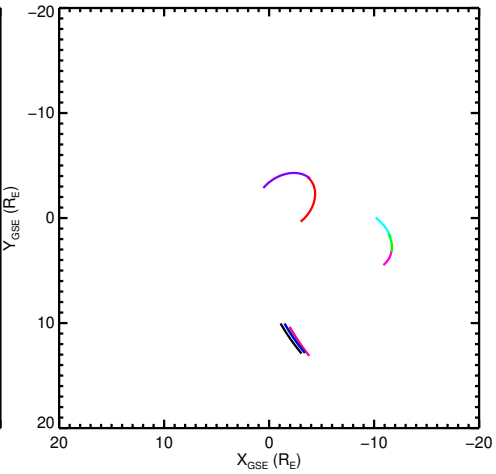


(d) 1220UT to 1545UT
ade adw bks cly cvw fhw hok ksr pgr

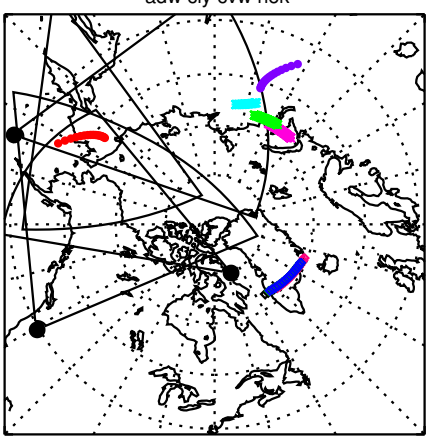


dce sps tig unw

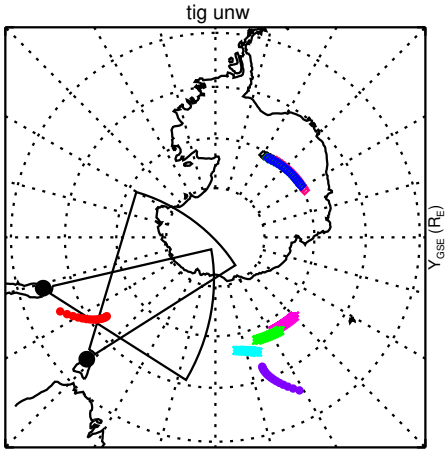


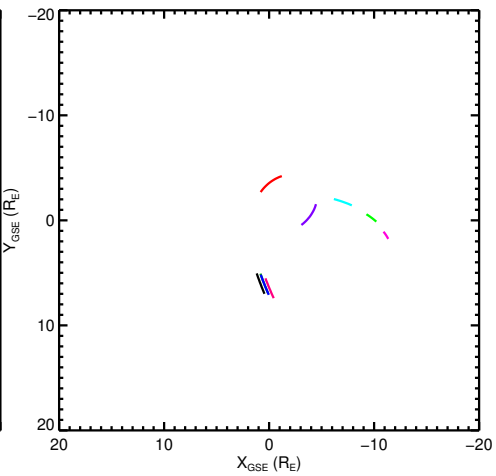


(e) 1755UT to 1915UT
adw cly cvw hok

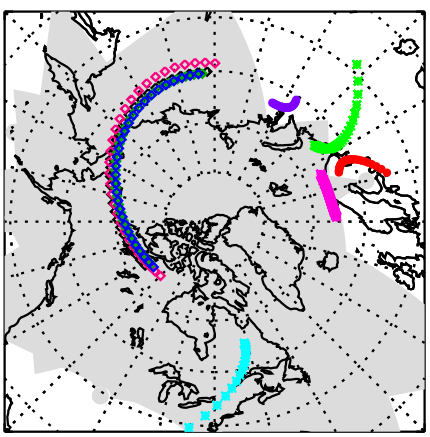


tig unw

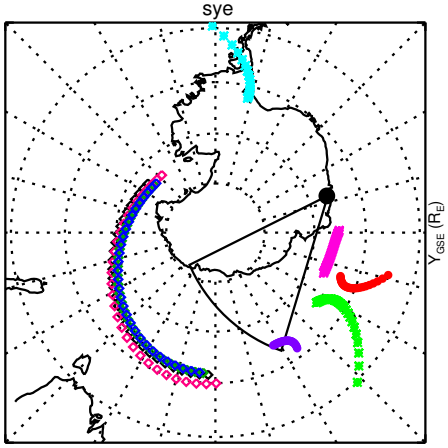


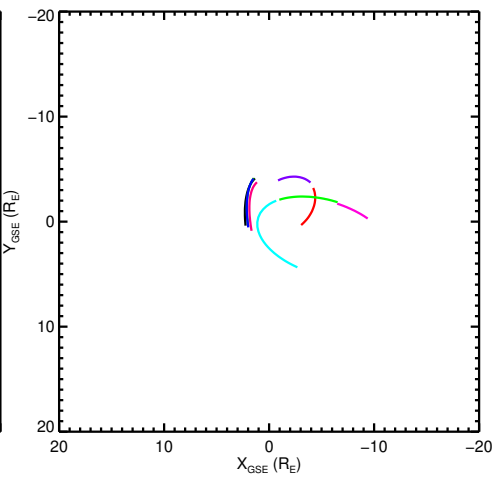


(f) 2120UT to 2355UT



sye

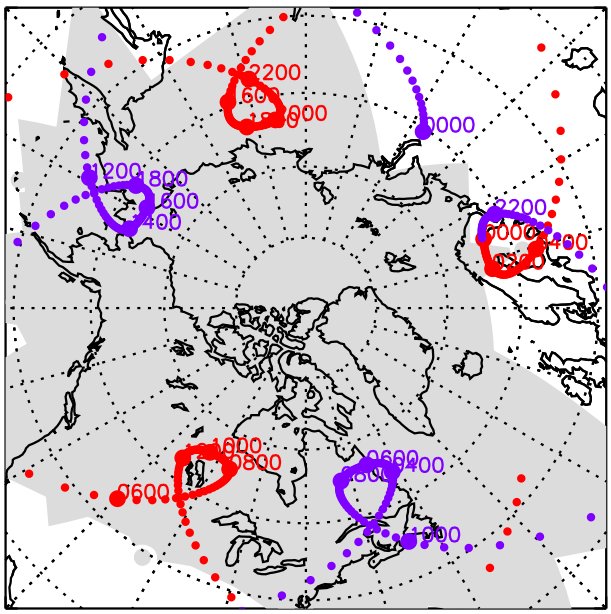


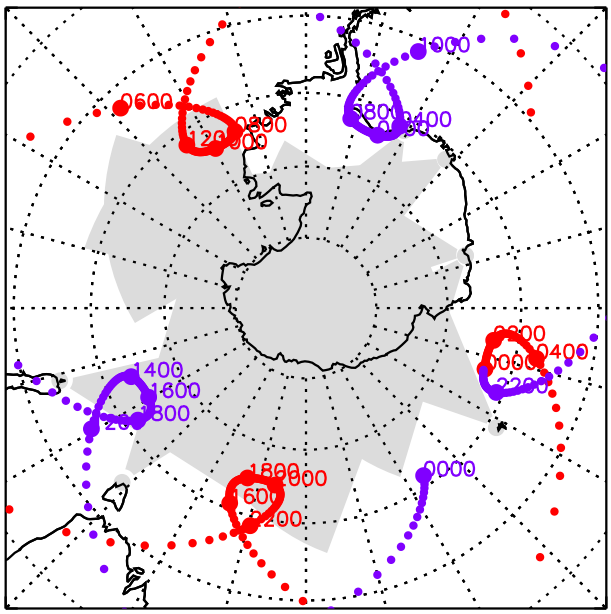


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

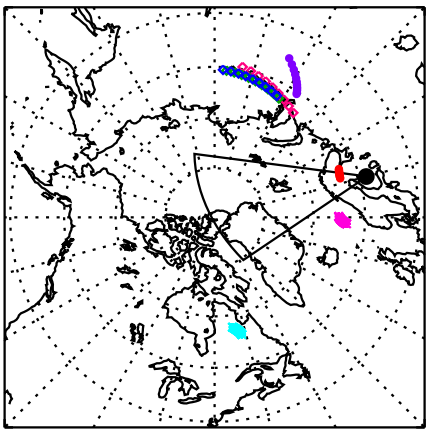
05–Nov–2014

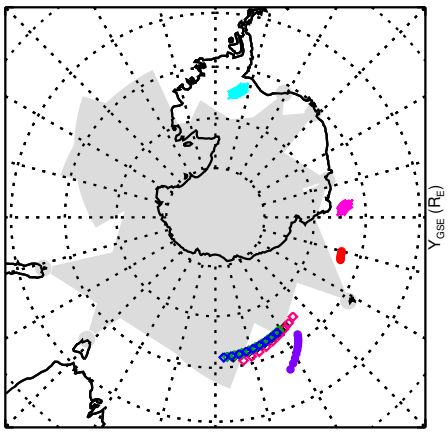
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

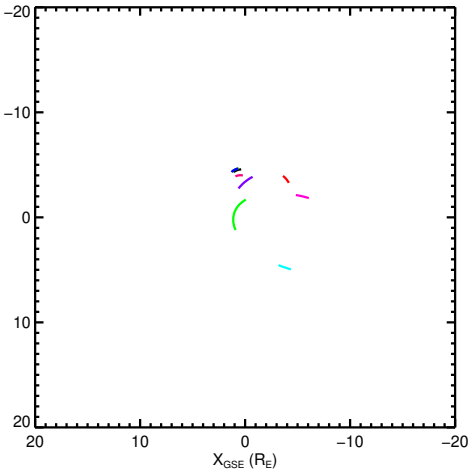




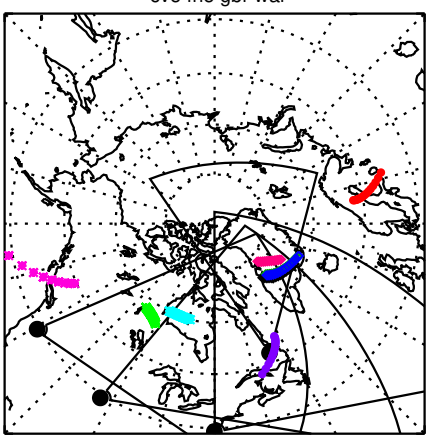
(a) 0000UT to 0050UT
han

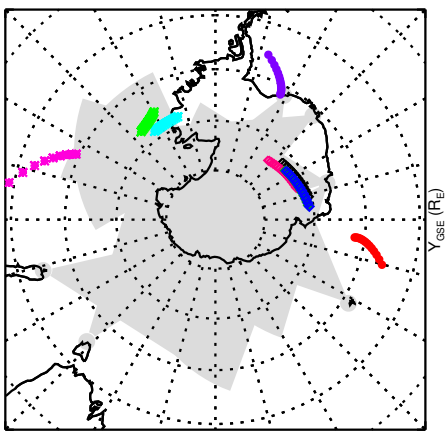


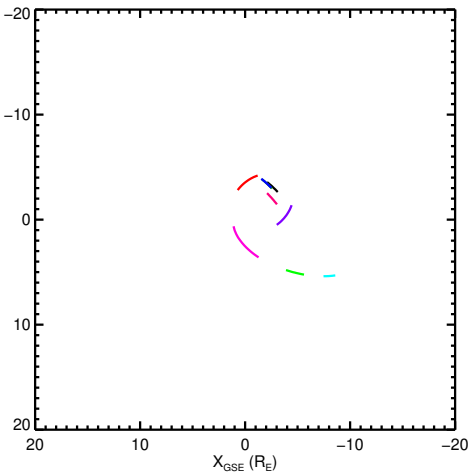




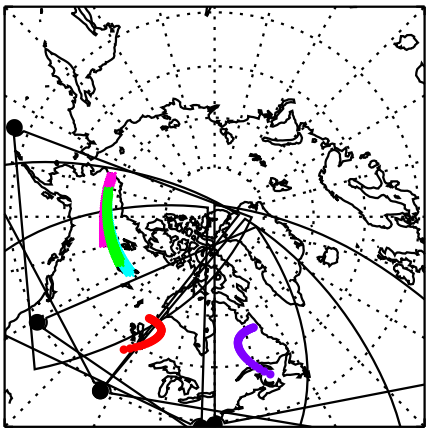
(b) 0255UT to 0410UT
cve fhe gbr wal



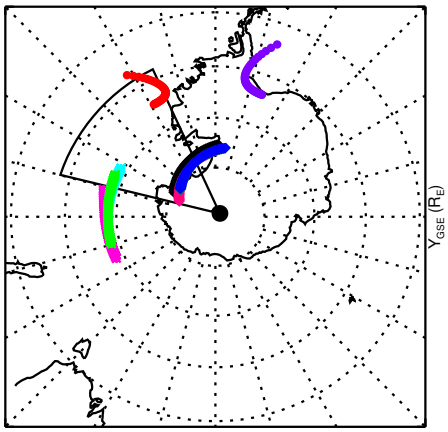


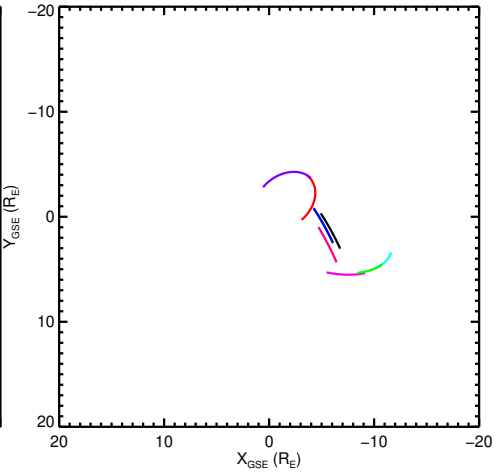


(c) 0620UT to 0950UT
ade bks cve fhe fhw wal

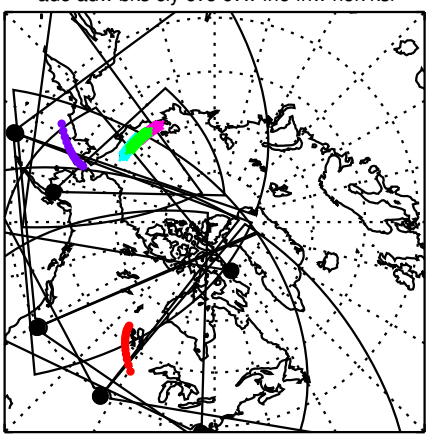


dce

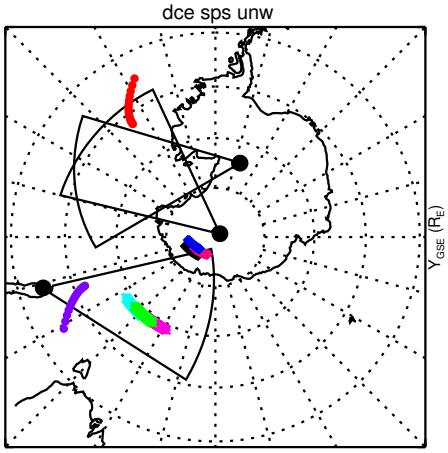


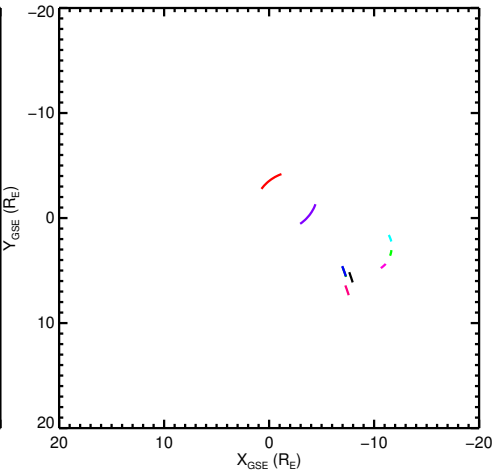


(d) 1155UT to 1310UT
ade adw bks cly cve cvw fhe fhw hok ksr

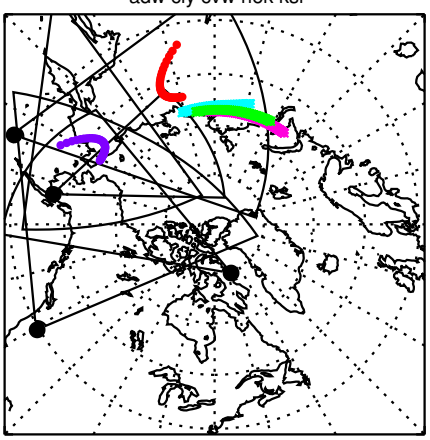


dce sps unw

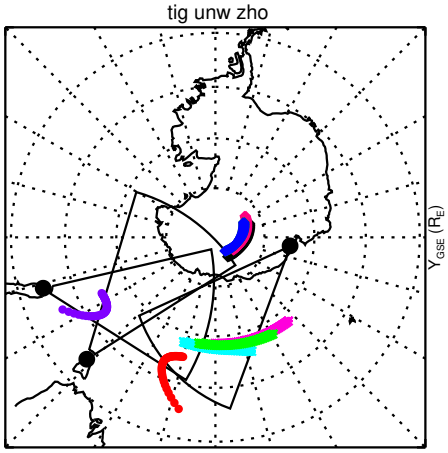


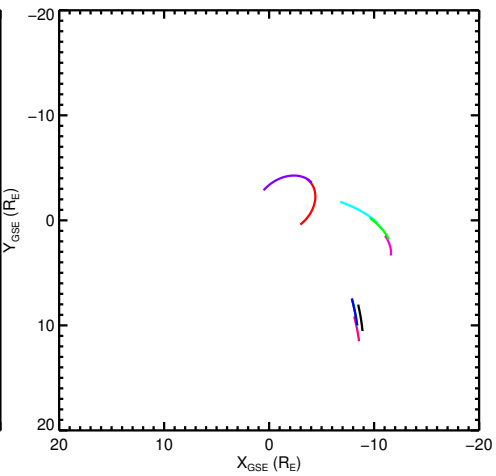


(e) 1515UT to 1850UT
adw cly cvw hok ksr

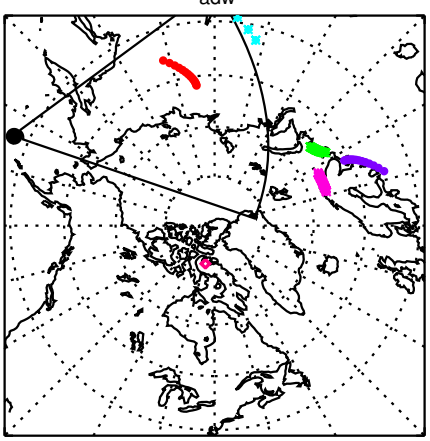


tig unw zho

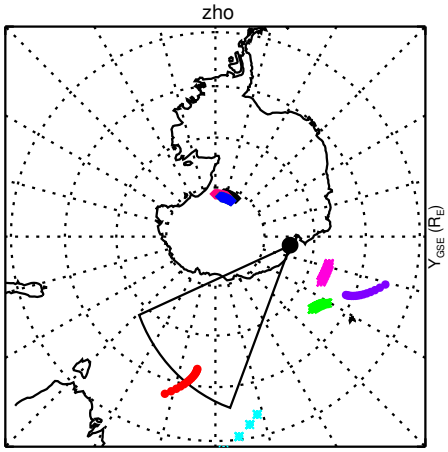


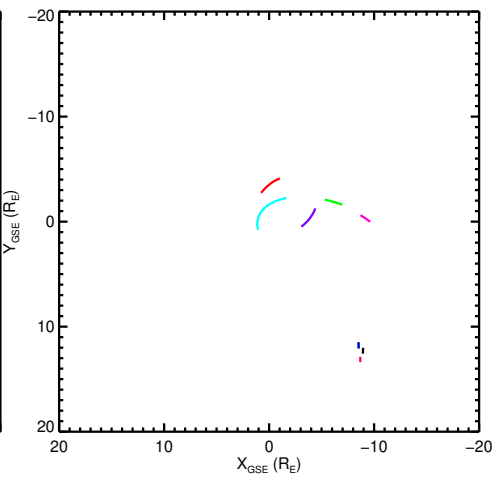


(f) 2100UT to 2210UT
adw



zho

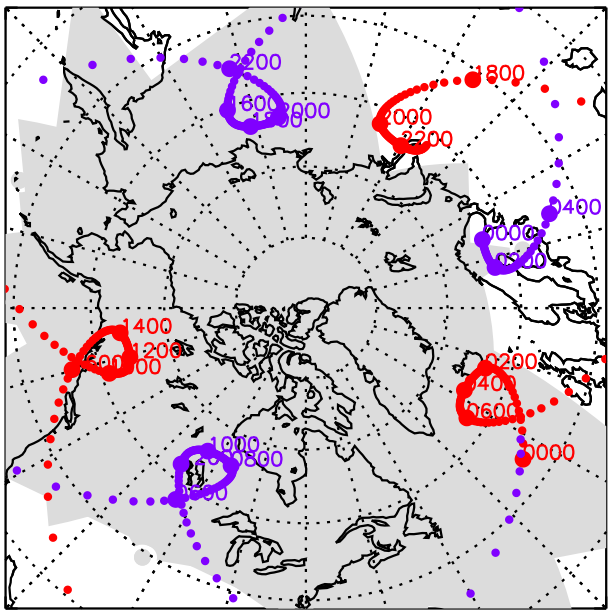


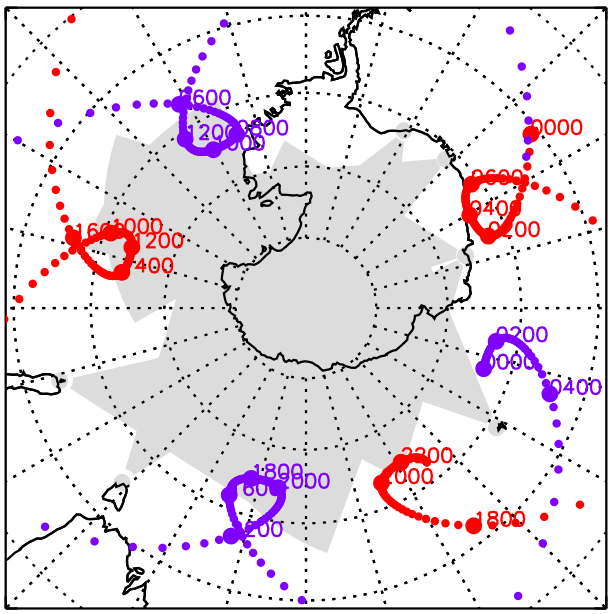


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

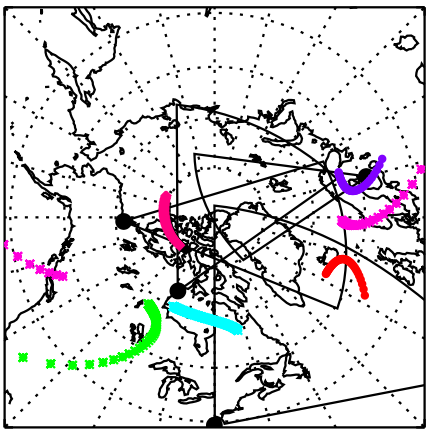
06–Nov–2014

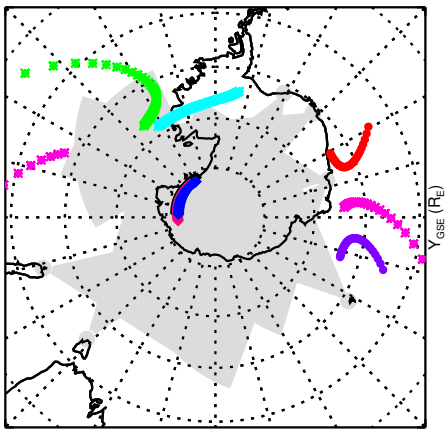
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

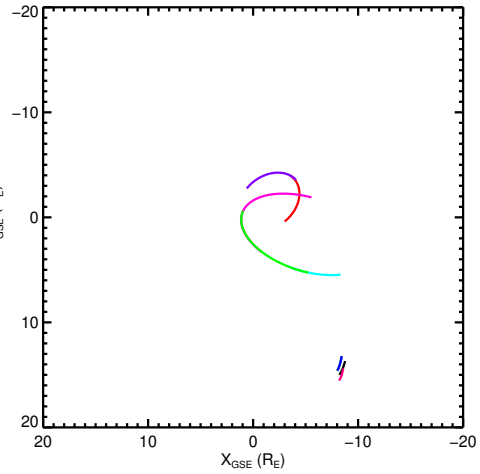




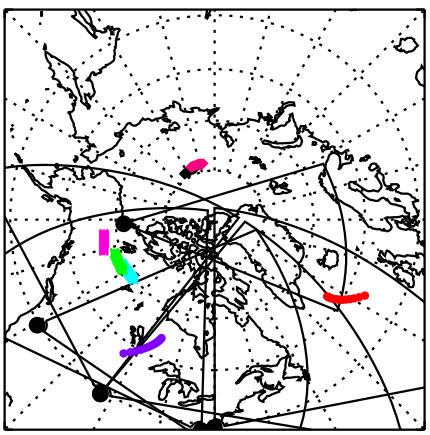
(a) 0015UT to 0355UT
han inv rkn wal



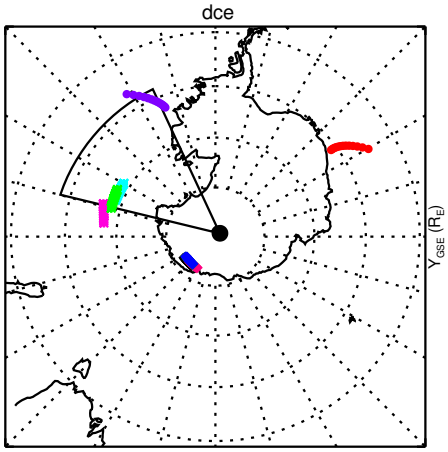


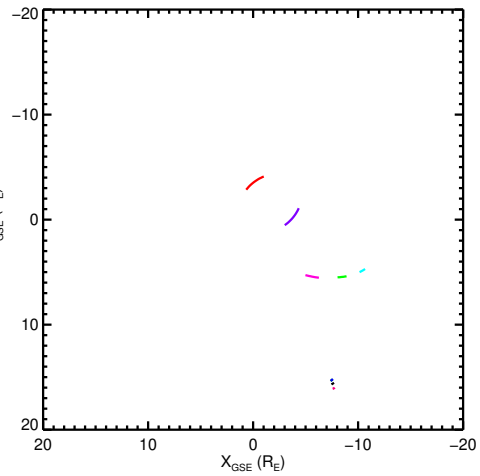


(b) 0600UT to 0705UT
bks cve fhe fhw inv wal

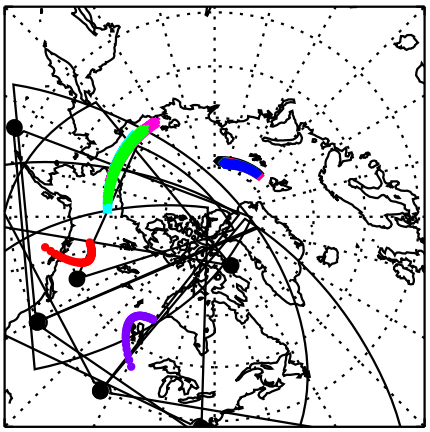


dce

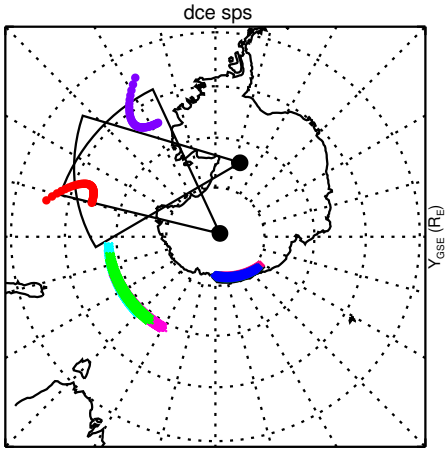


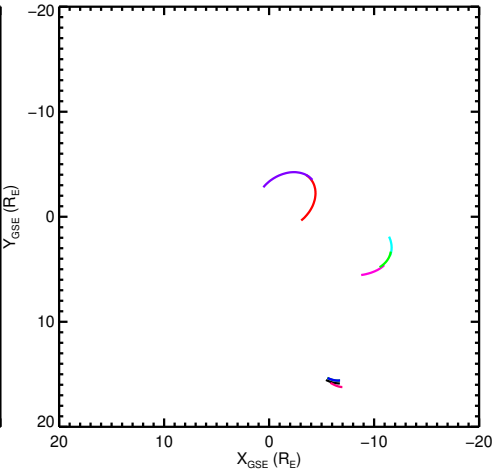


(c) 0915UT to 1255UT
ade bks cly cve cvw fhe fhw pgr

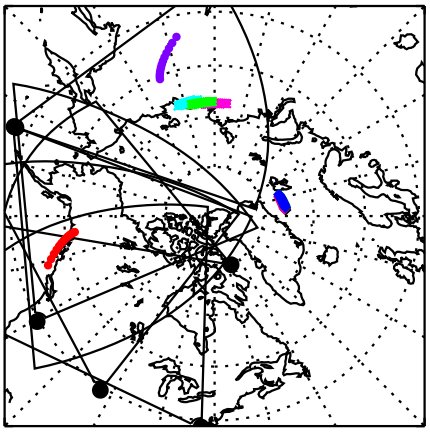


dce sps

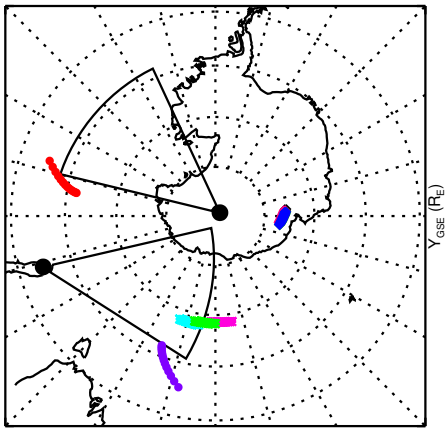


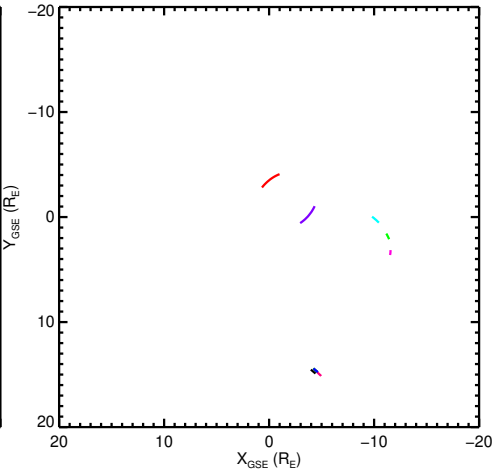


(d) 1500UT to 1605UT
ade adw bks cly cvw fhw

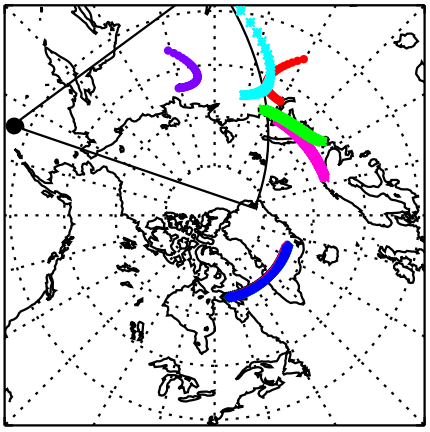


dce unw

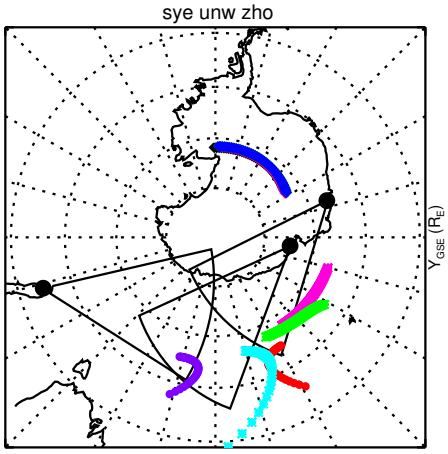


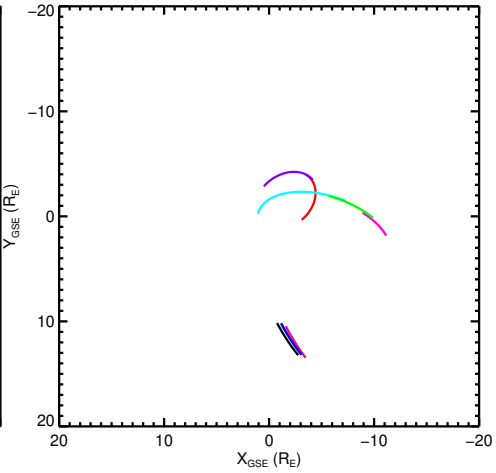


(e) 1815UT to 2155UT
adw



sye unw zho

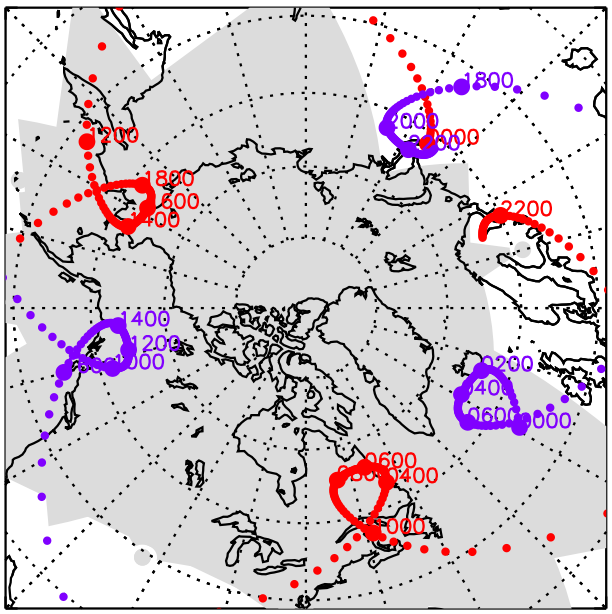


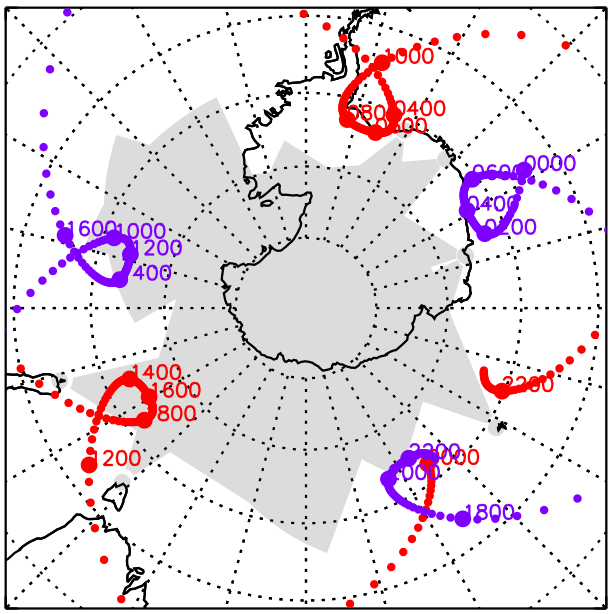


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

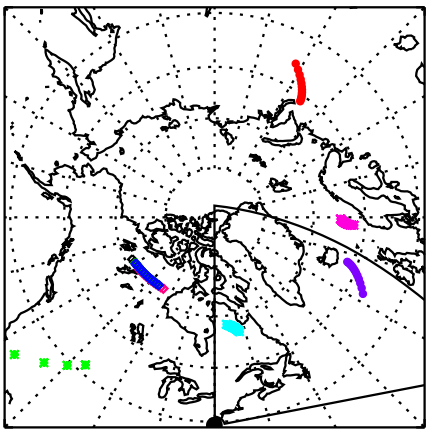
07–Nov–2014

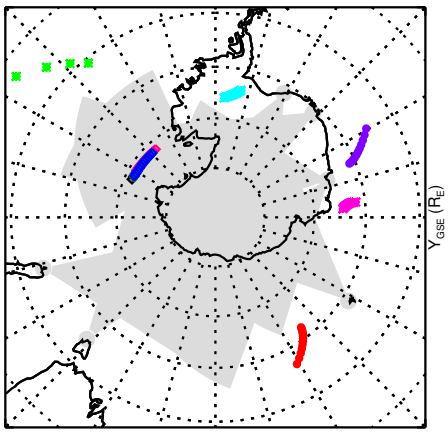
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

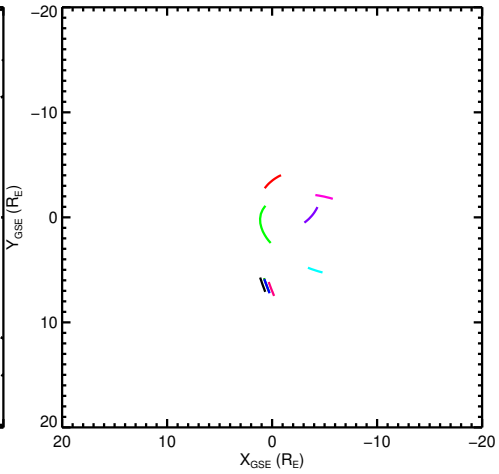




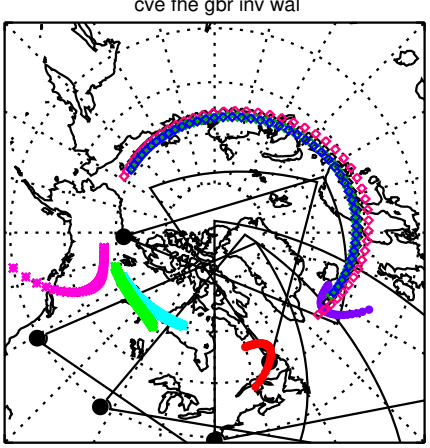
(a) 0005UT to 0105UT
wal

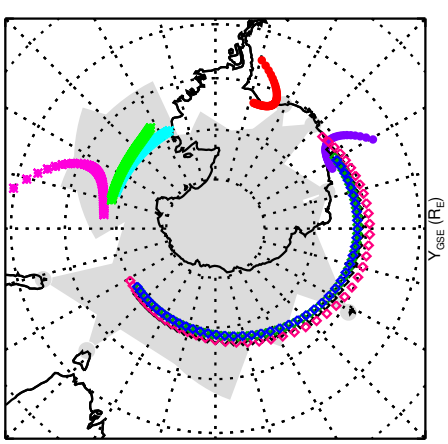


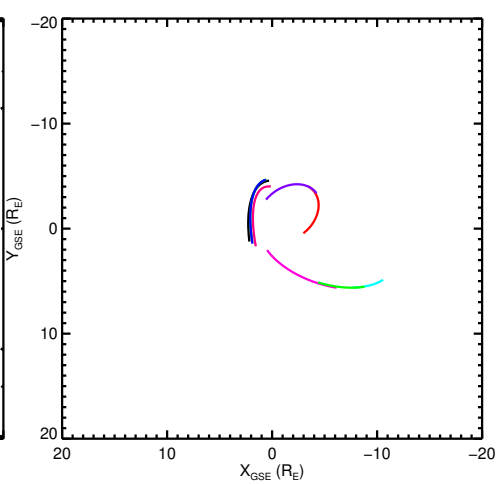




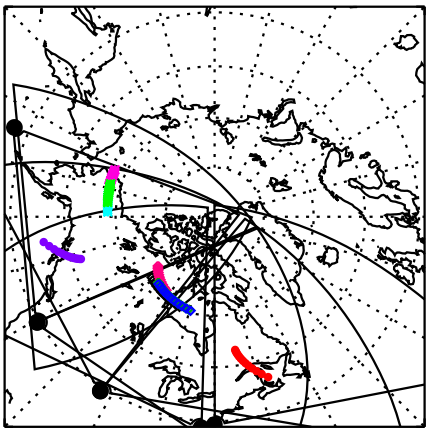
(b) 0310UT to 0700UT
cve fhe gbr inv wal



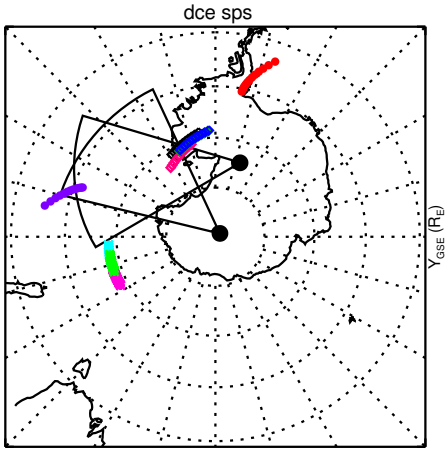


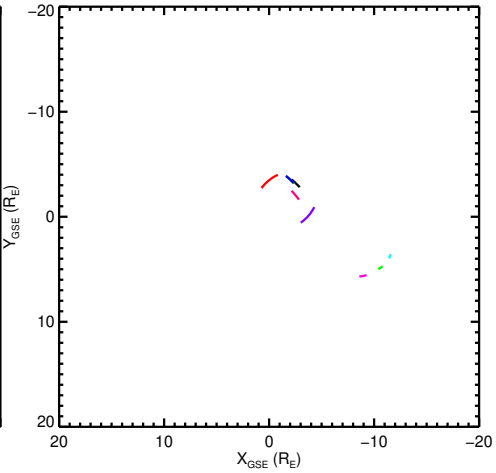


(c) 0905UT to 1005UT
ade bks cve cvw fhe fhw wal

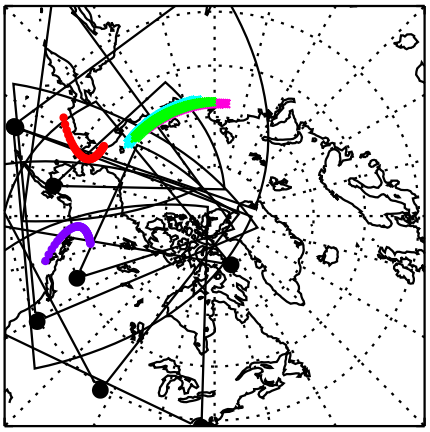


dce sps

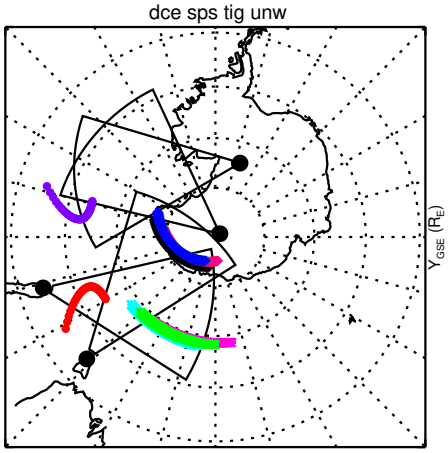


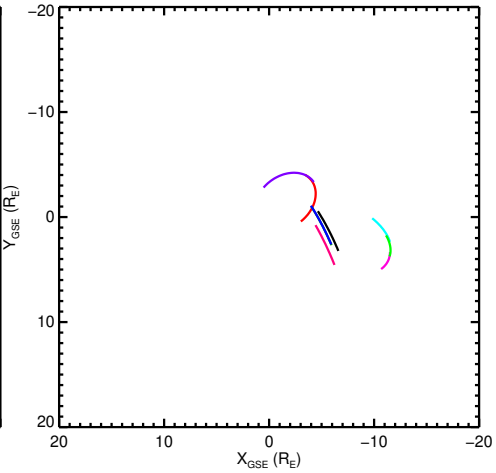


(d) 1210UT to 1600UT
ade adw bks cly cvw fhw hok ksr pgr

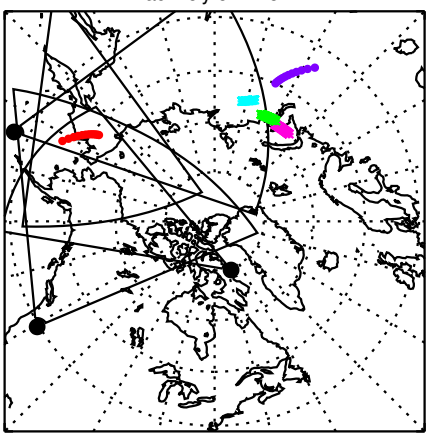


dce sps tig unw

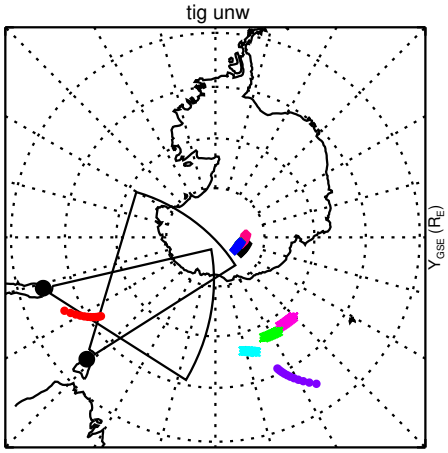


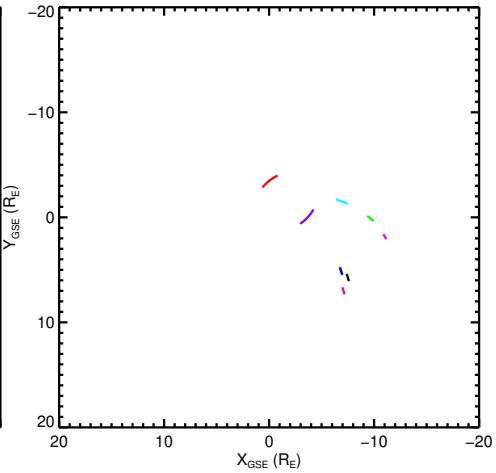


(e) 1805UT to 1900UT
adw cly cvw hok

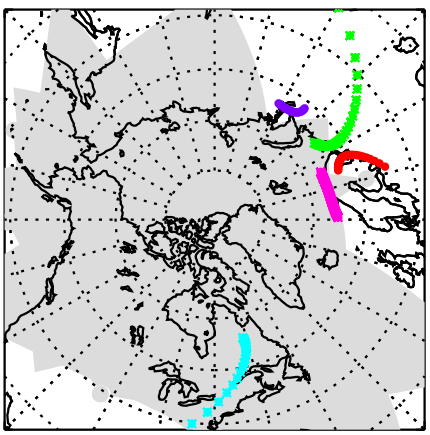


tig unw

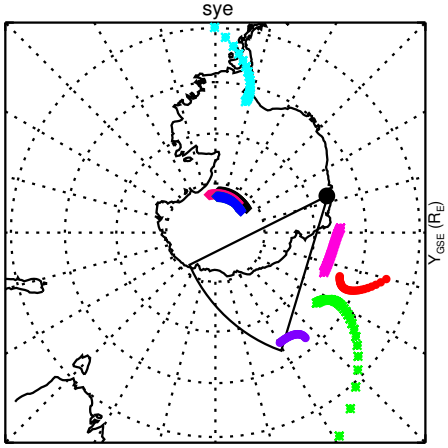


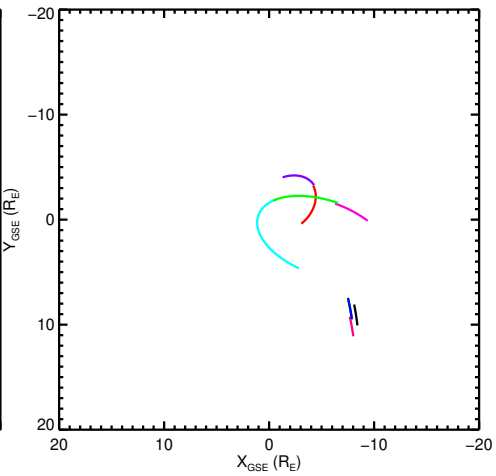


(f) 2110UT to 2355UT



sye

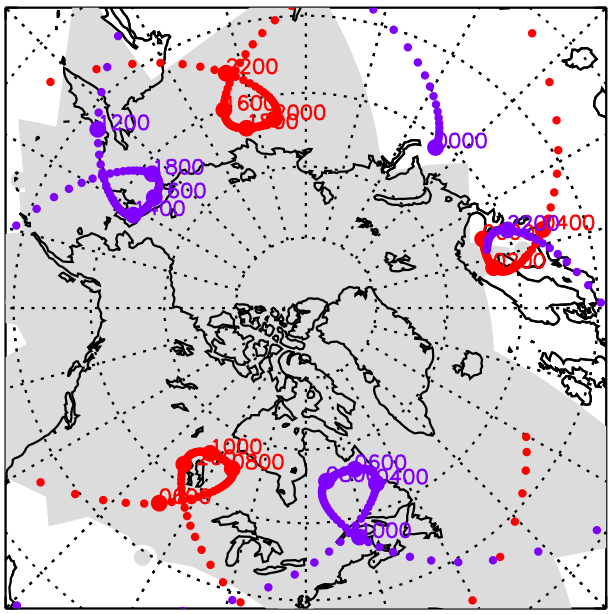


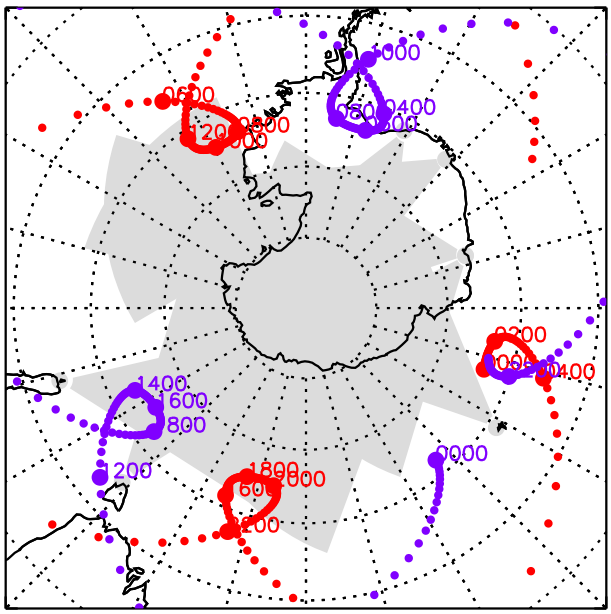


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

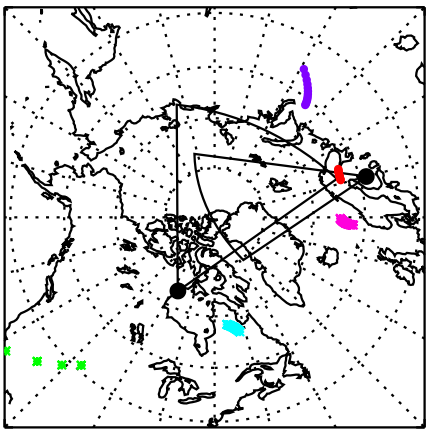
08–Nov–2014

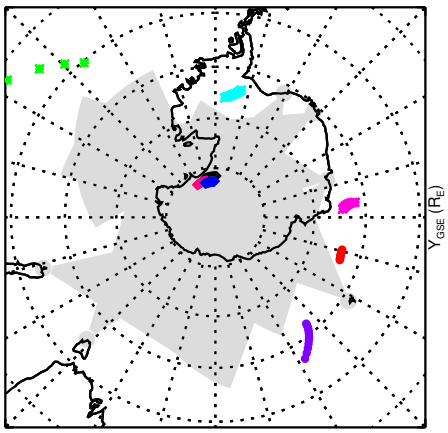
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

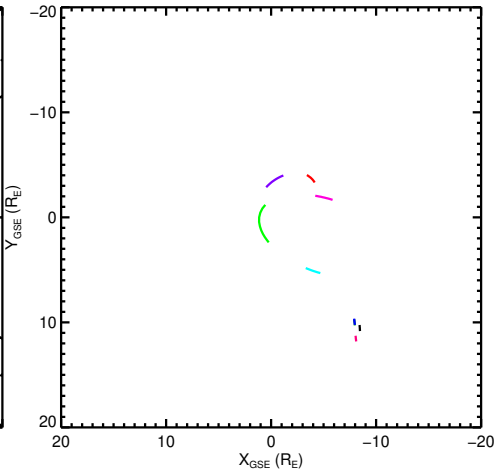




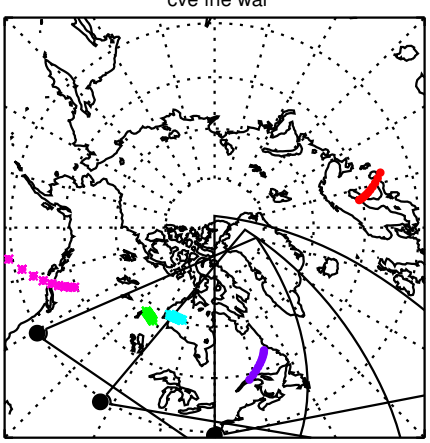
(a) 0000UT to 0100UT
han rkn

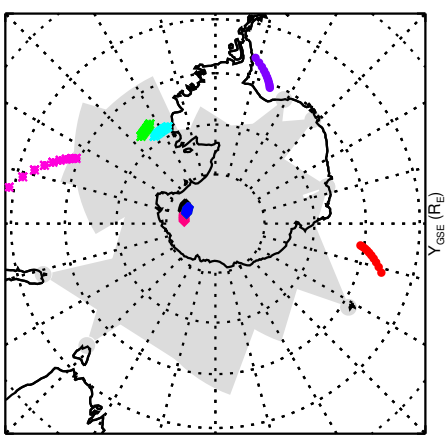


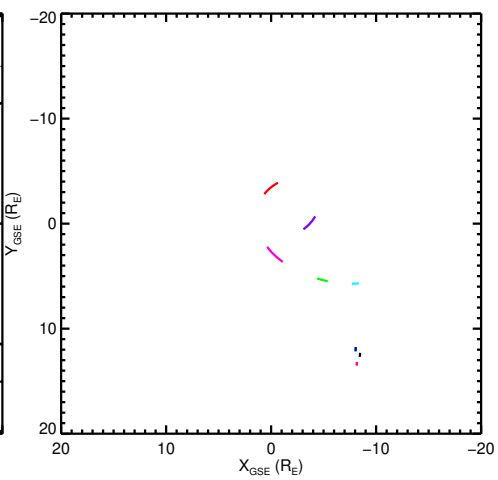




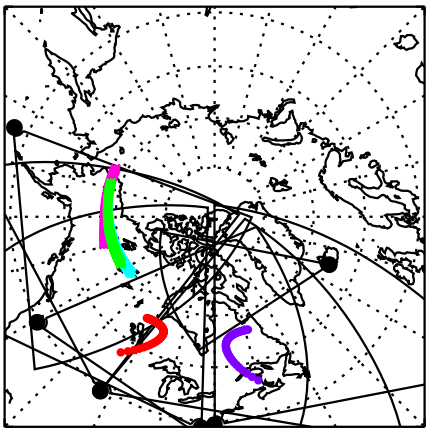
(b) 0310UT to 0400UT
cve fhe wal



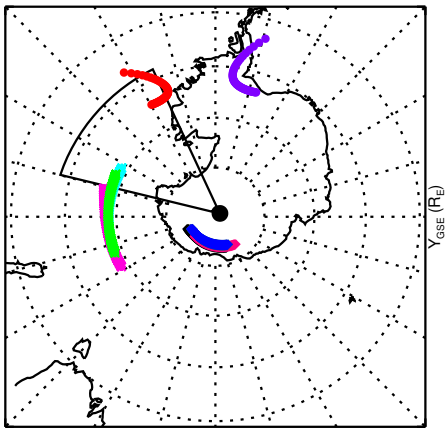


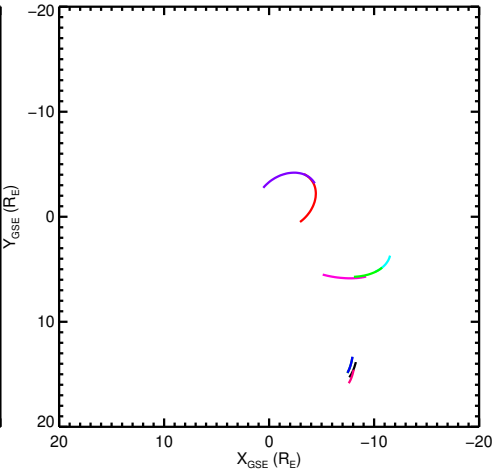


(c) 0605UT to 1005UT
ade bks cve fhe fhw sto wal

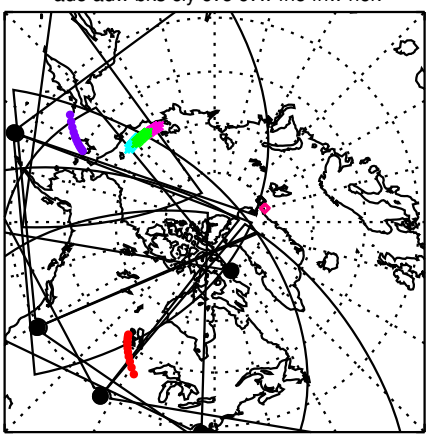


dce

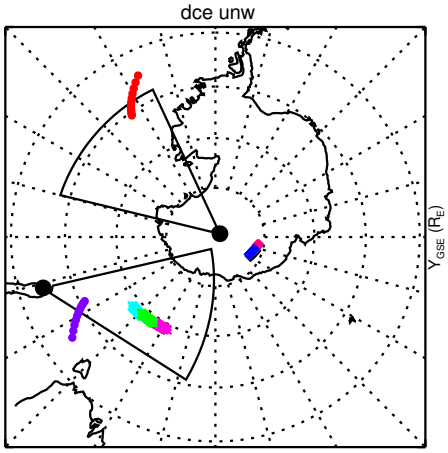


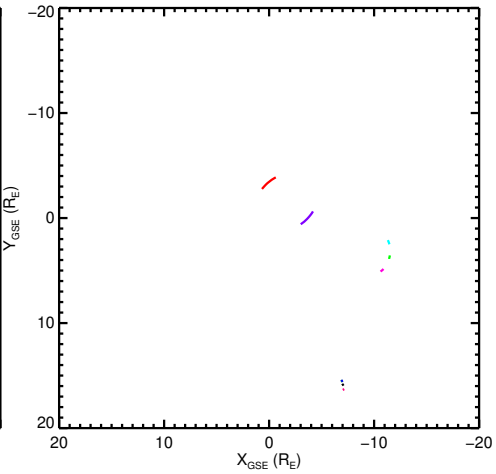


(d) 1210UT to 1300UT
ade adw bks cly cve cvw fhe fhw hok

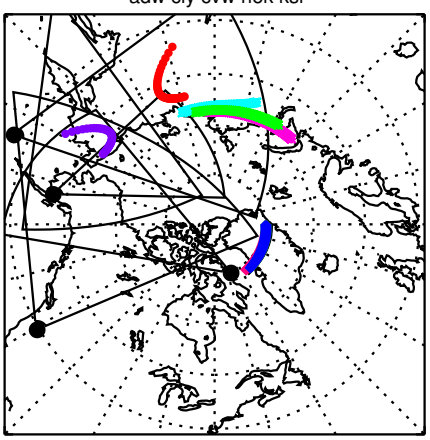


dce unw

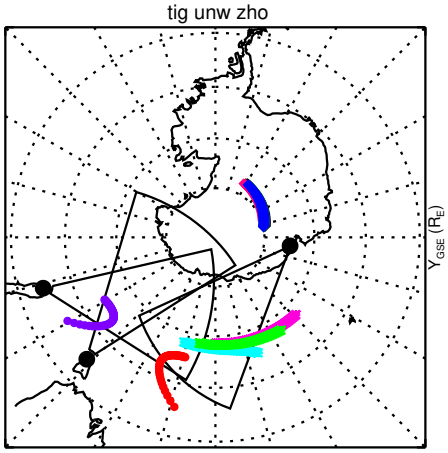


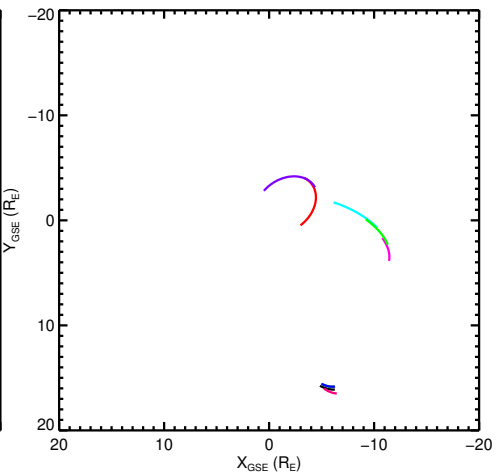


(e) 1505UT to 1905UT
adw cly cvw hok ksr

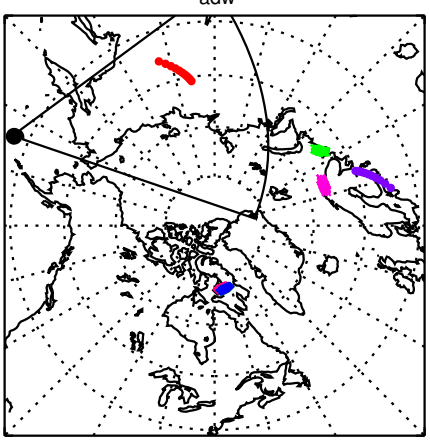


tig unw zho

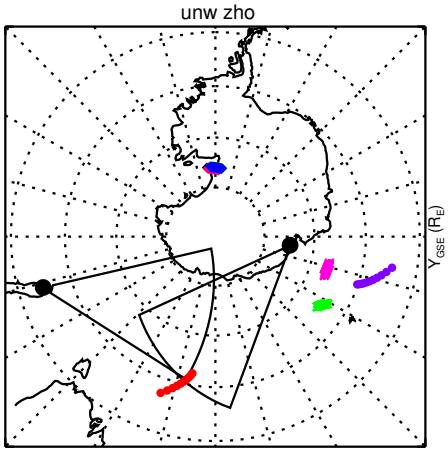


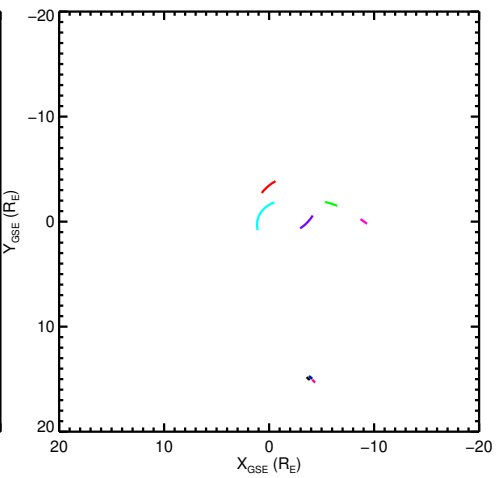


(f) 2110UT to 2200UT
adw



unw zho

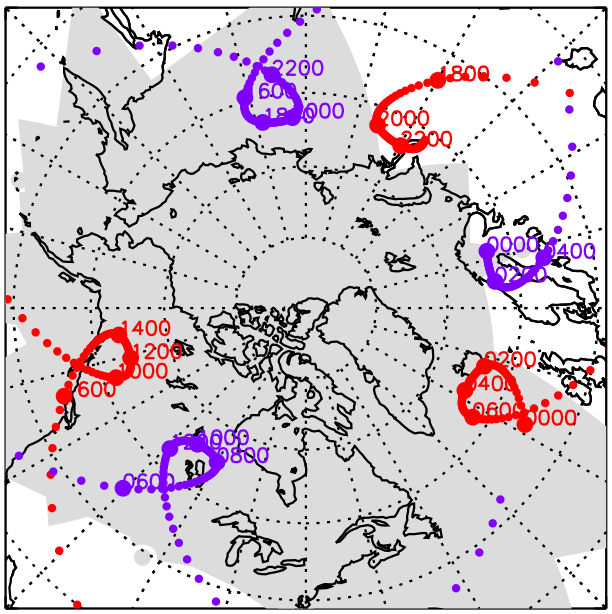


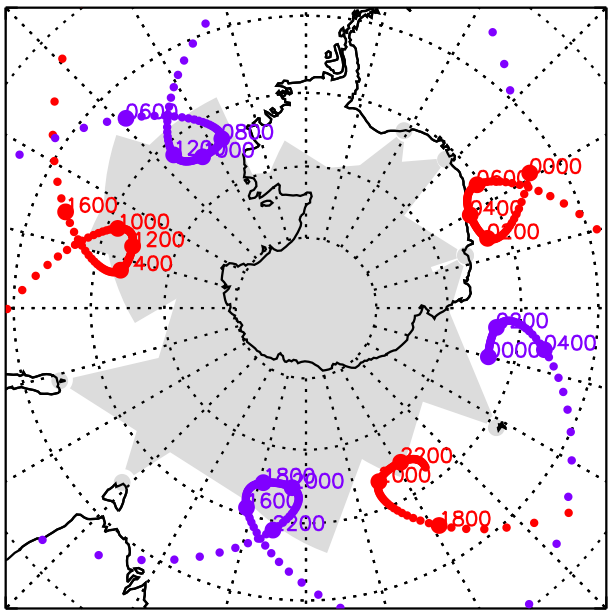


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

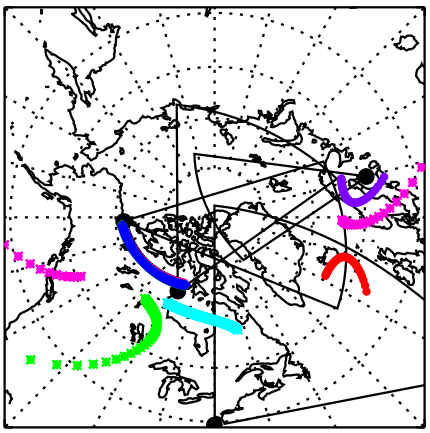
09–Nov–2014

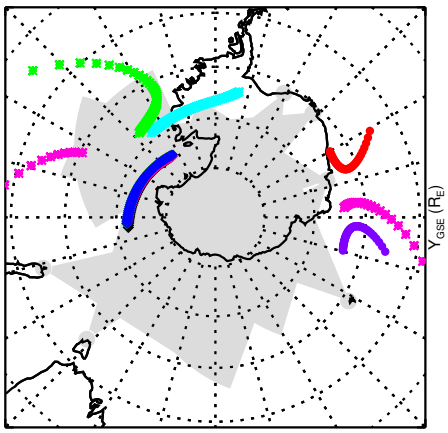
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

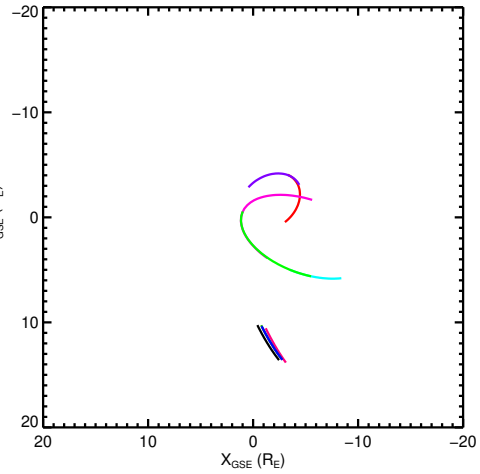




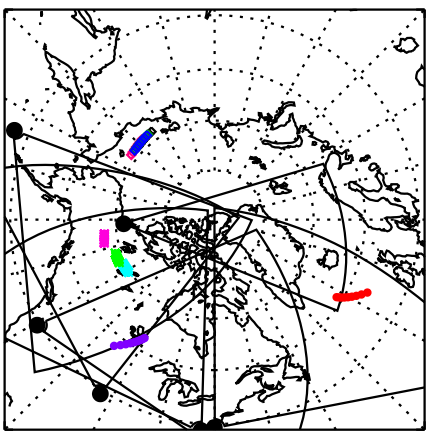
(a) 0005UT to 0405UT
han inv rkn wal



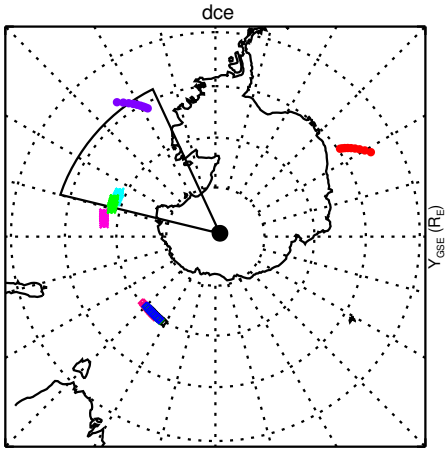


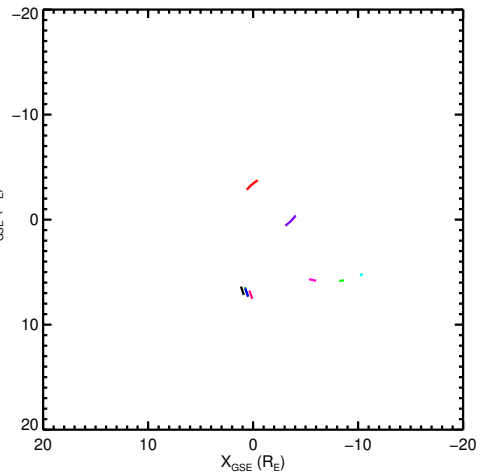


(b) 0615UT to 0655UT
ade bks cve fhw inv wal

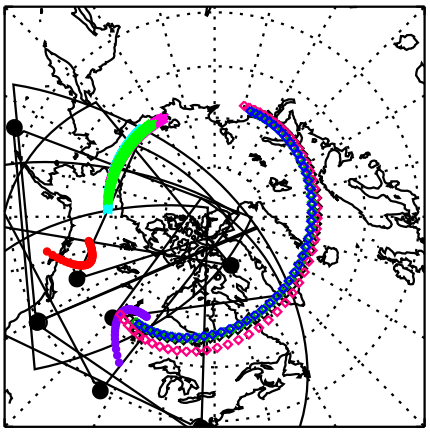


dce

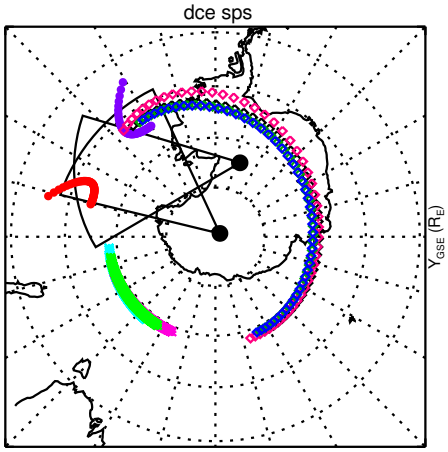


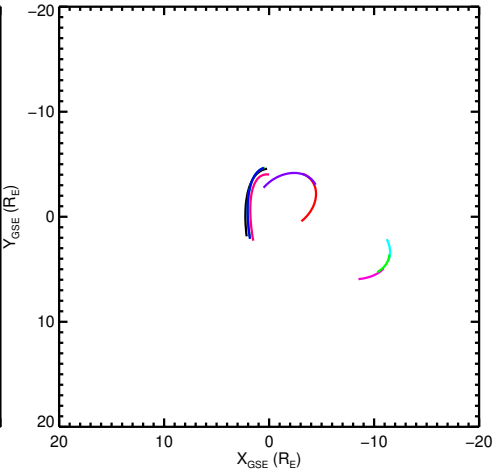


(c) 0905UT to 1310UT
ade bks cly cve cvw fhw pgr sas

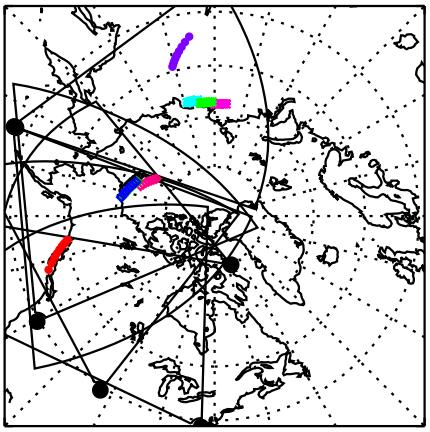


dce sps

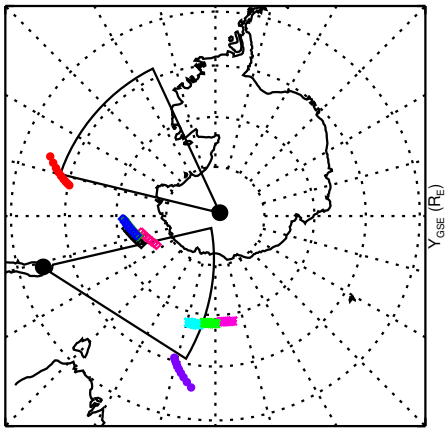


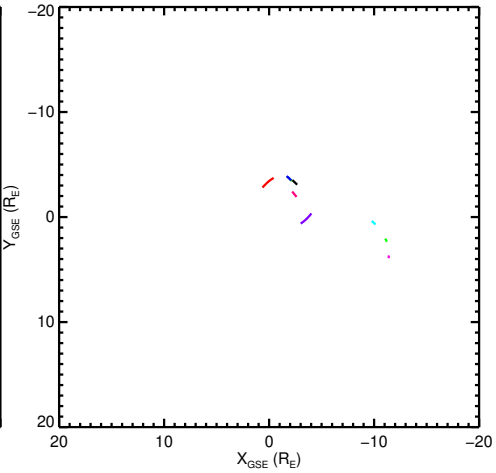


(d) 1515UT to 1555UT
ade adw bks cly cvw fhw

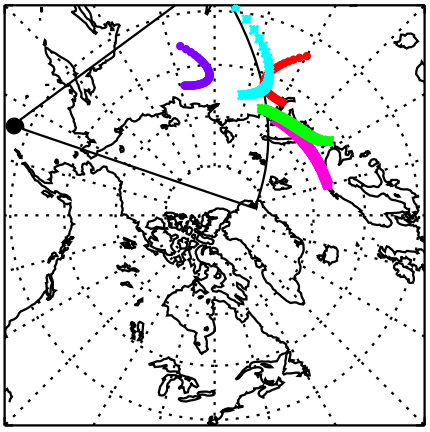


dce unw

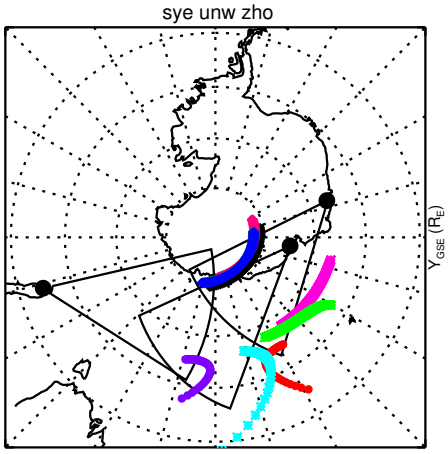


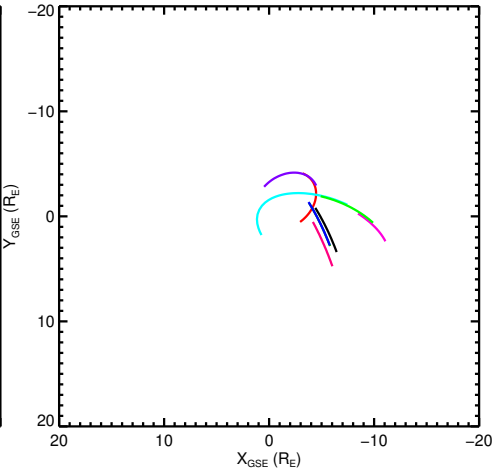


(e) 1800UT to 2210UT
adw



sye unw zho

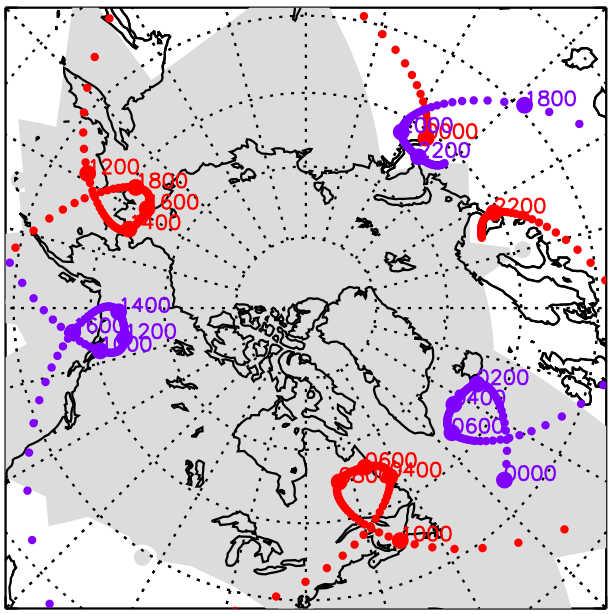


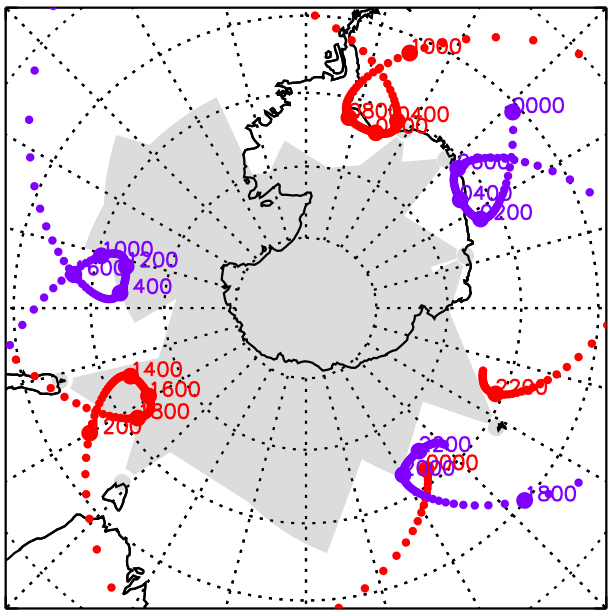


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

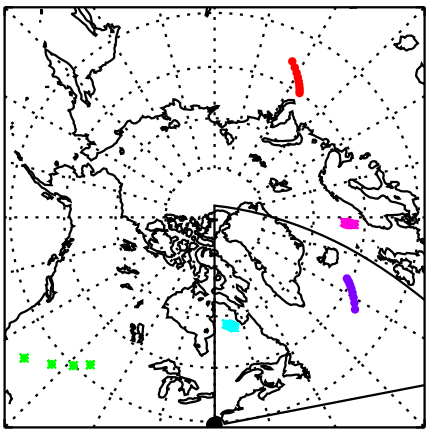
10–Nov–2014

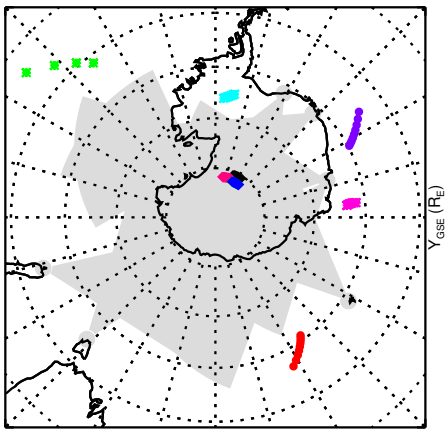
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

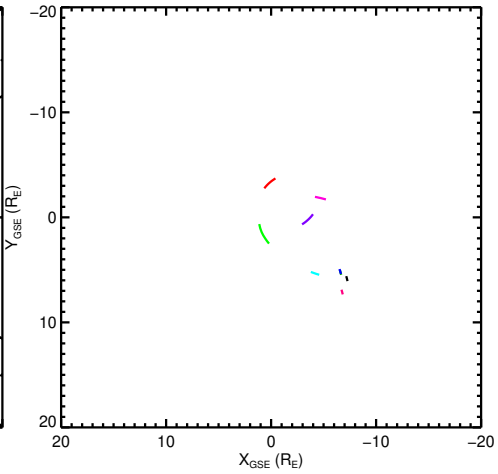




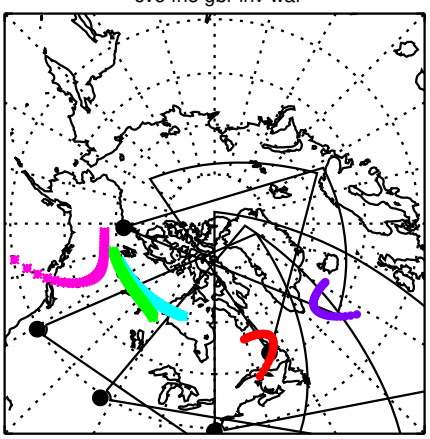
(a) 0015UT to 0055UT
wal

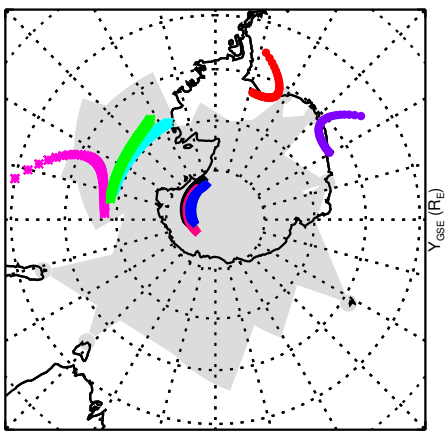


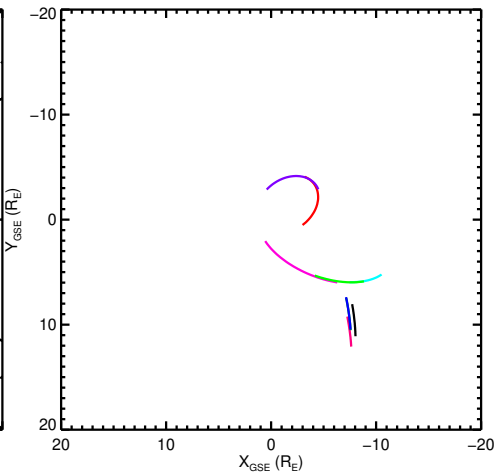




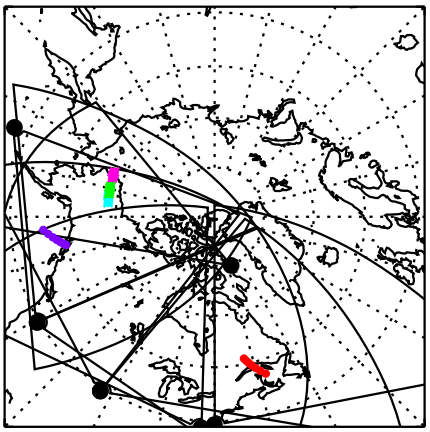
(b) 0300UT to 0710UT
cve fhe gbr inv wal

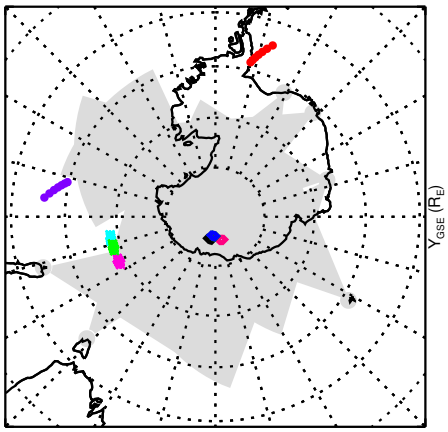


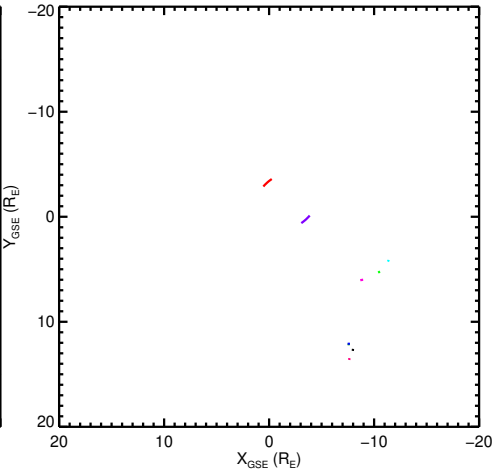




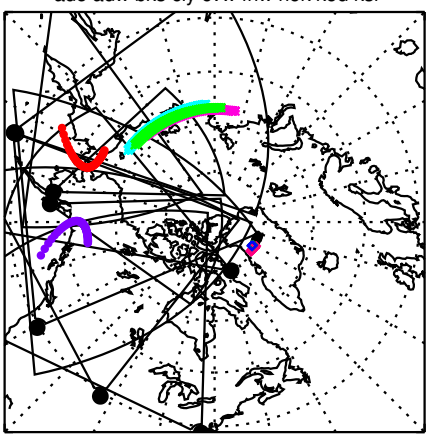
(c) 0920UT to 0950UT
ade bks cly cve cvw fhe fhw wal



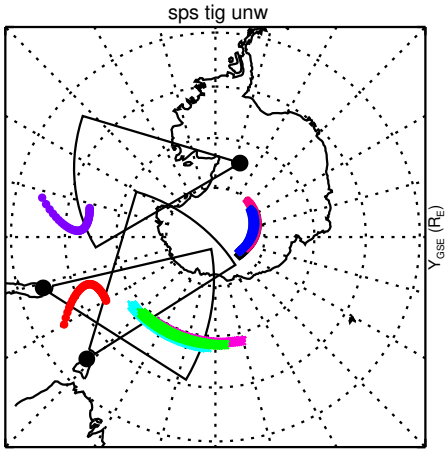


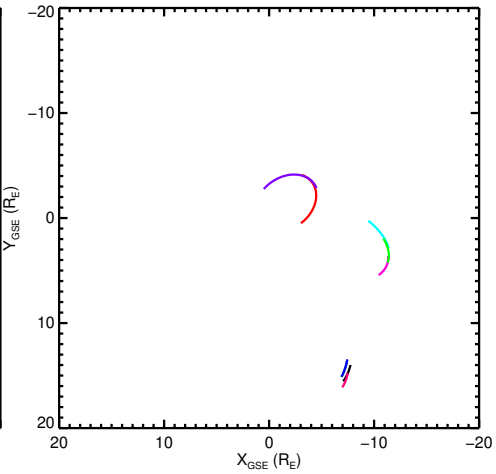


(d) 1200UT to 1615UT
ade adw bks cly cvw fhw hok kod ksr

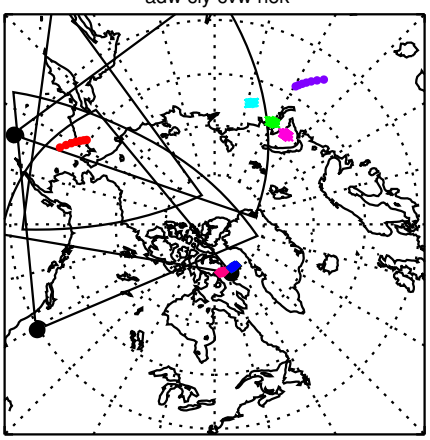


sps tig unw

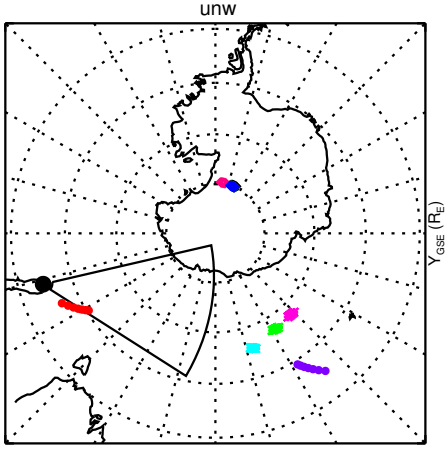


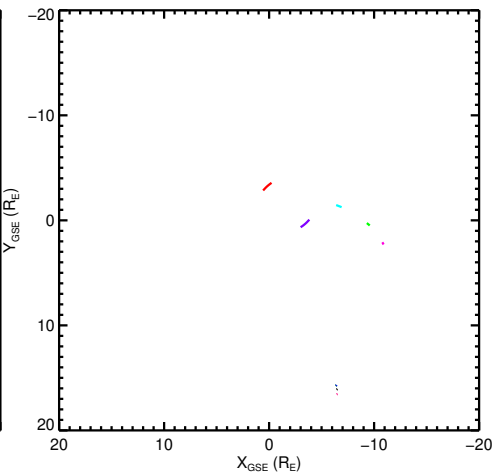


(e) 1820UT to 1850UT
adw cly cvw hok

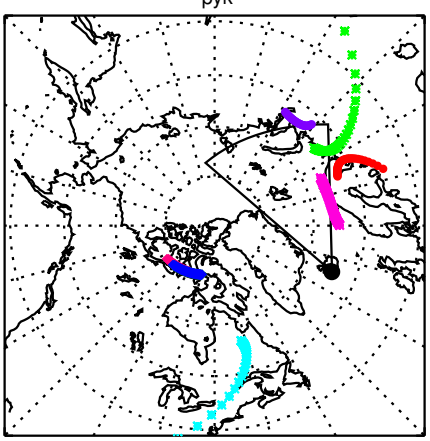


unw

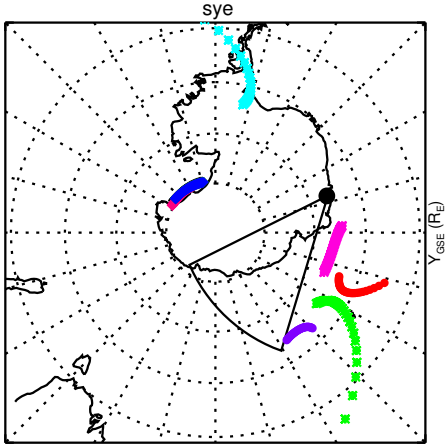


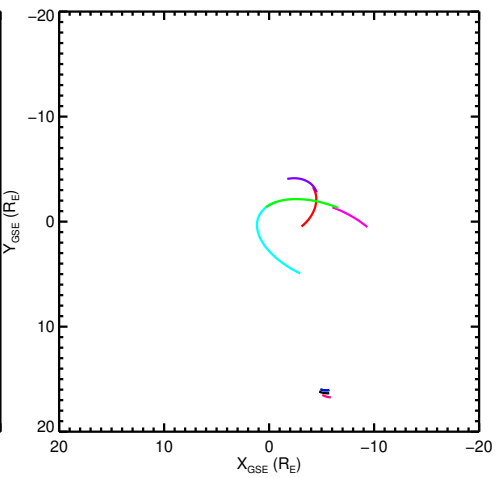


(f) 2100UT to 2355UT
pyk



sye

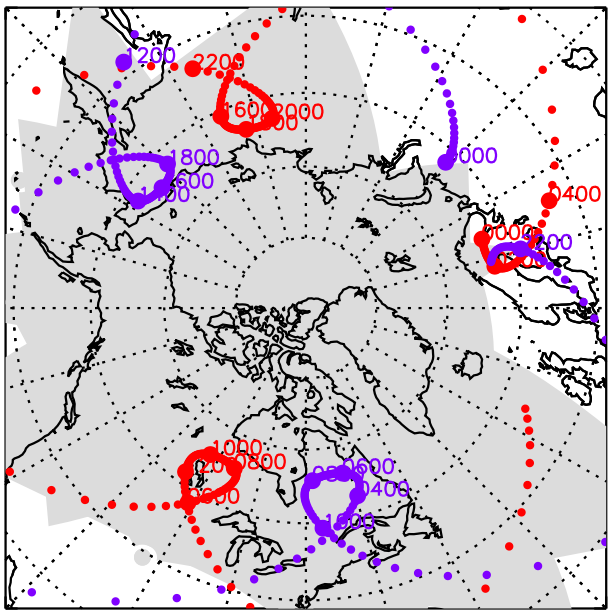


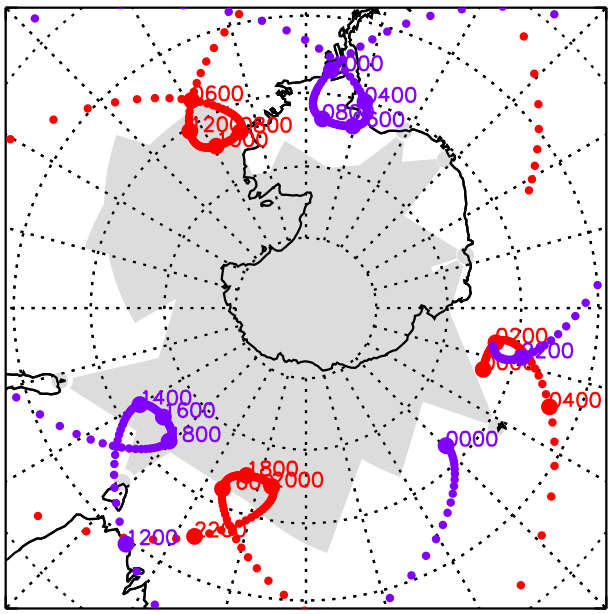


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

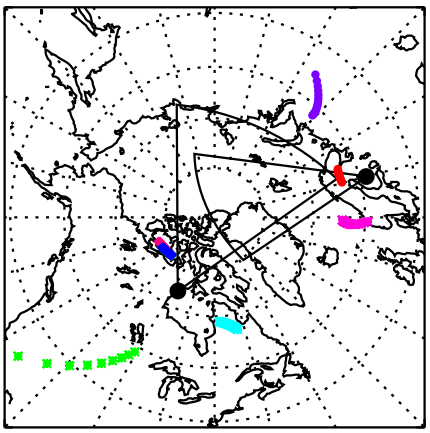
11–Nov–2014

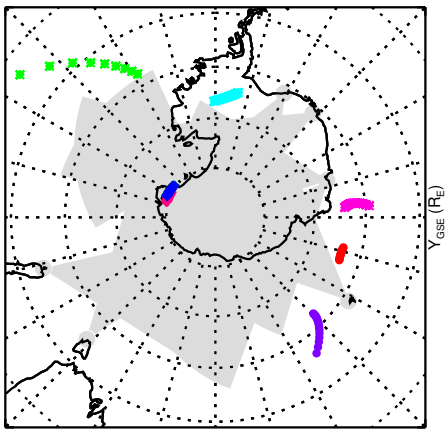
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

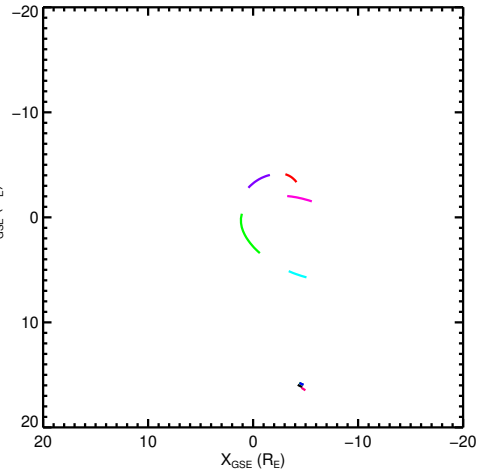




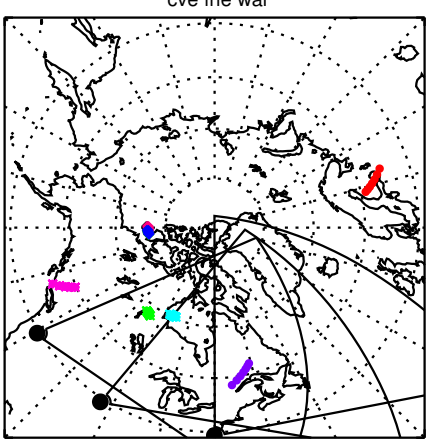
(a) 0000UT to 0115UT
han rkn

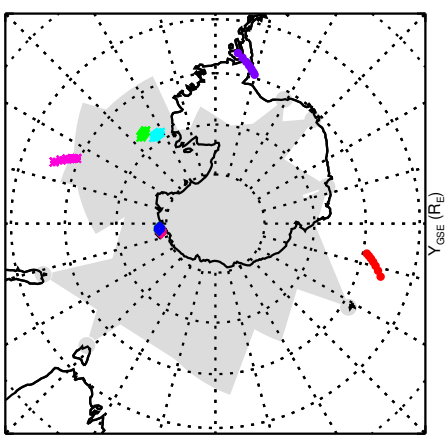


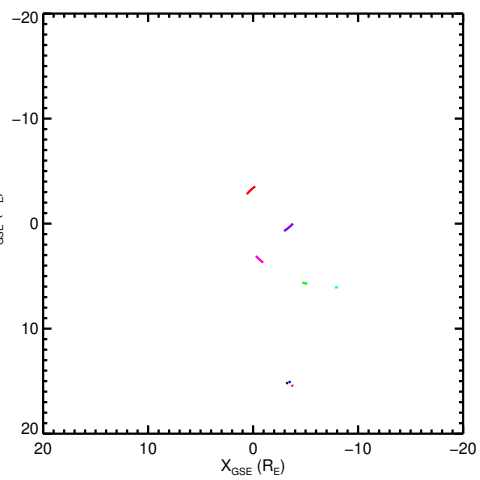




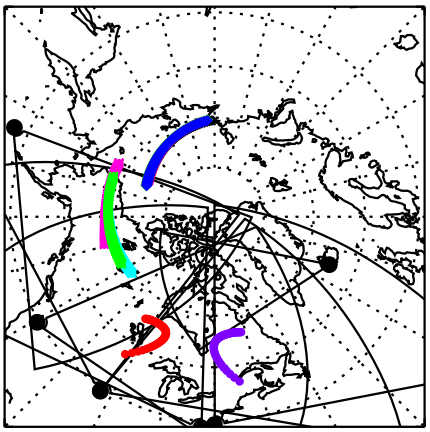
(b) 0320UT to 0350UT
cve fhe wal



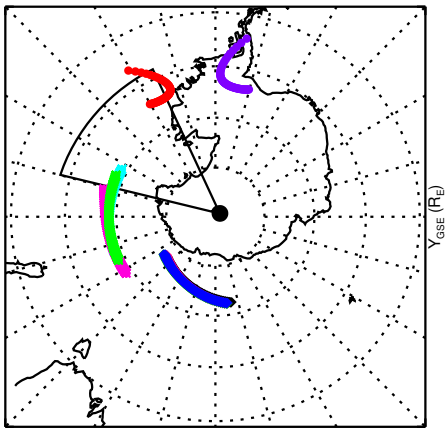


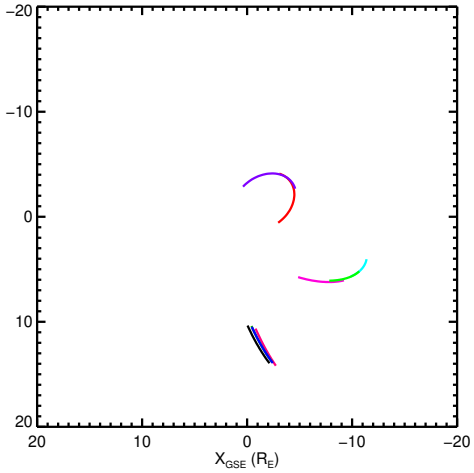


(c) 0555UT to 1015UT
ade bks cve fhe fhw sto wal

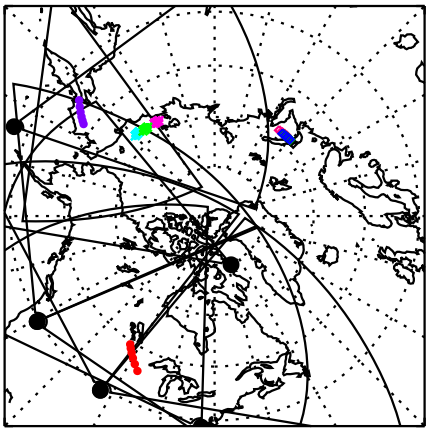


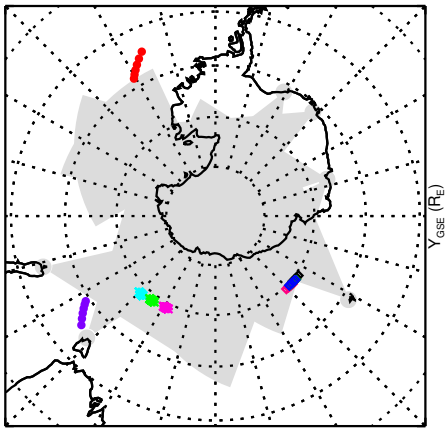
dce

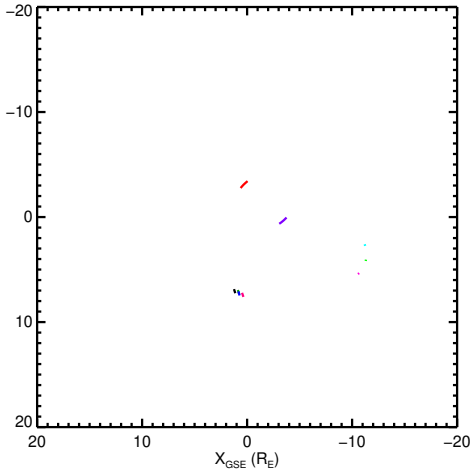




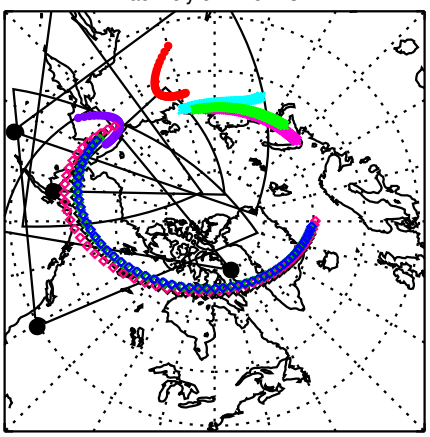
(d) 1225UT to 1250UT
adw bks cly cve cvw fhe fhw hok



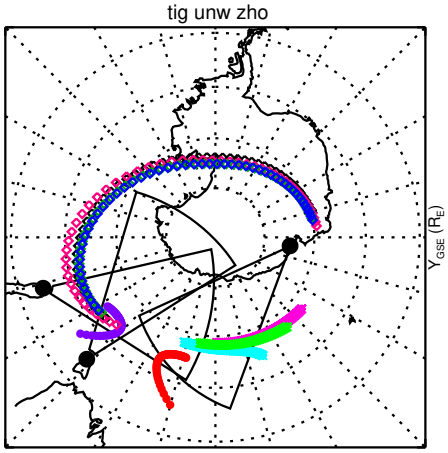


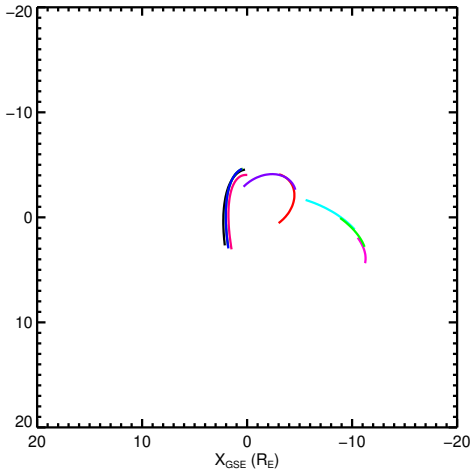


(e) 1455UT to 1915UT
adw cly cvw hok ksr

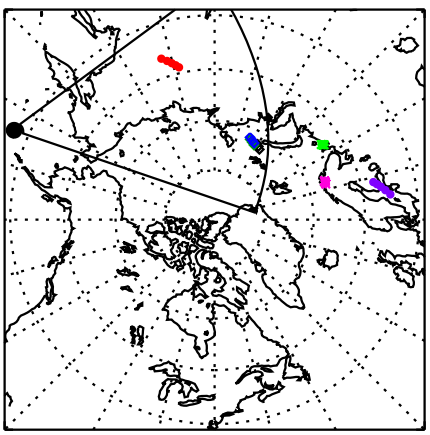


tig unw zho

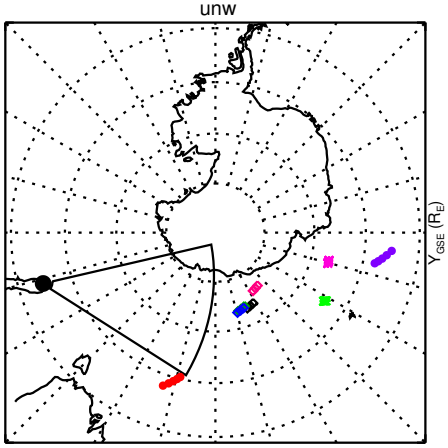


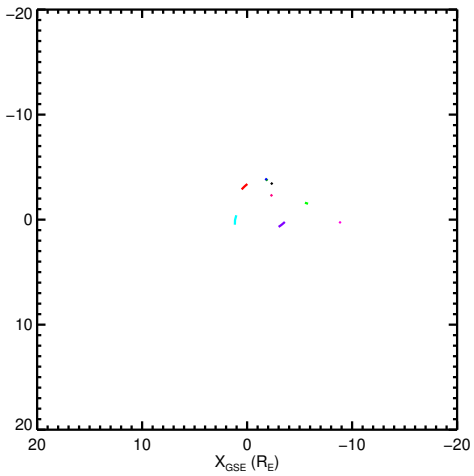


(f) 2125UT to 2145UT
adw

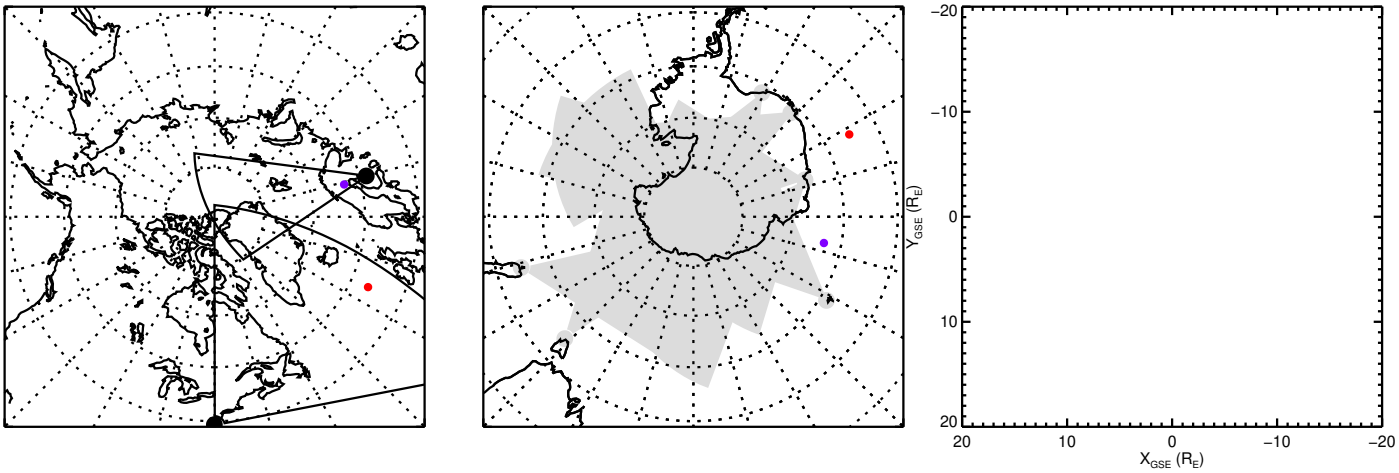


unw





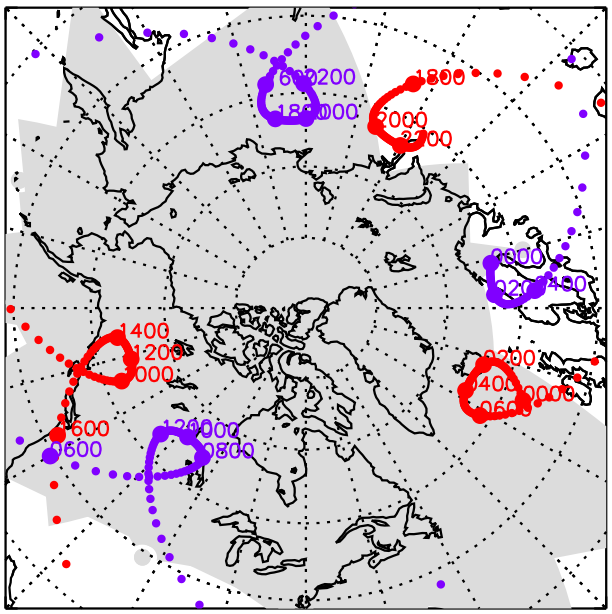
(g) 2355UT to 2355UT
han wal

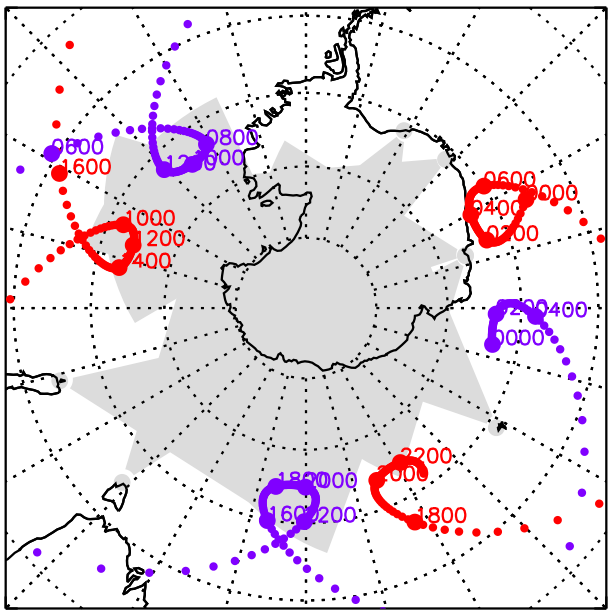


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

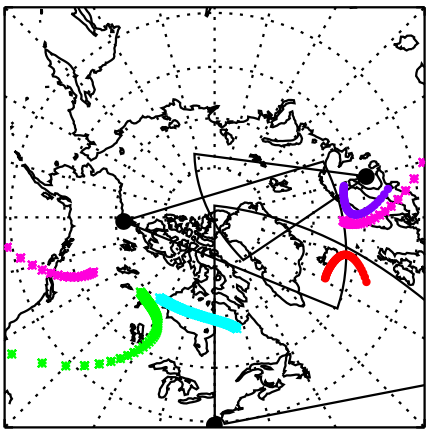
12–Nov–2014

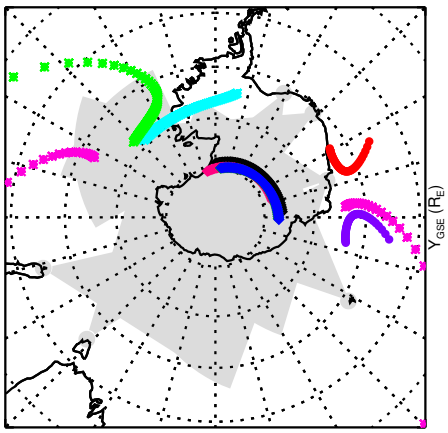
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

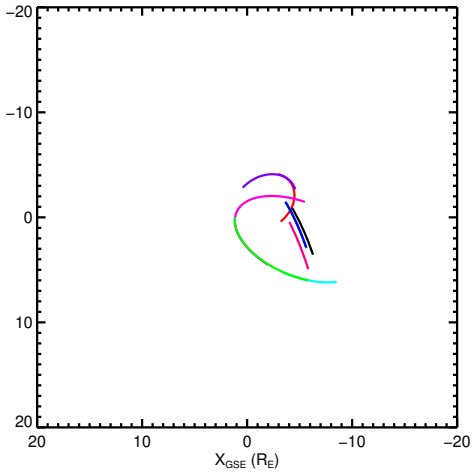




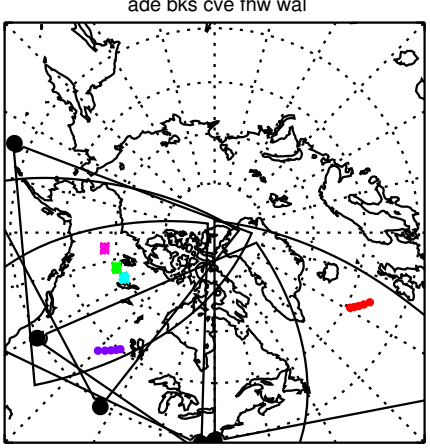
(a) 0000UT to 0420UT
han inv wal



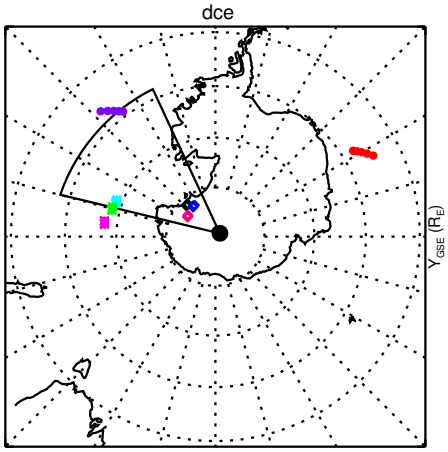


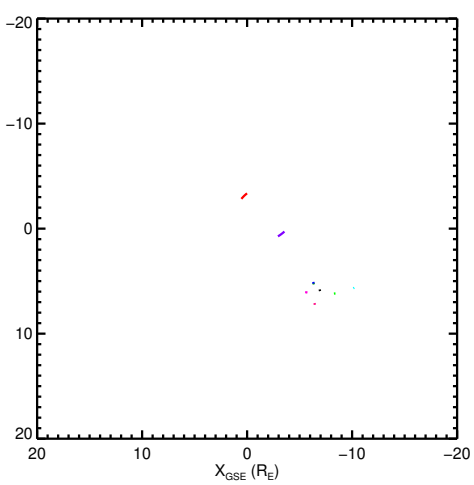


(b) 0625UT to 0645UT
ade bks cve fhw wal



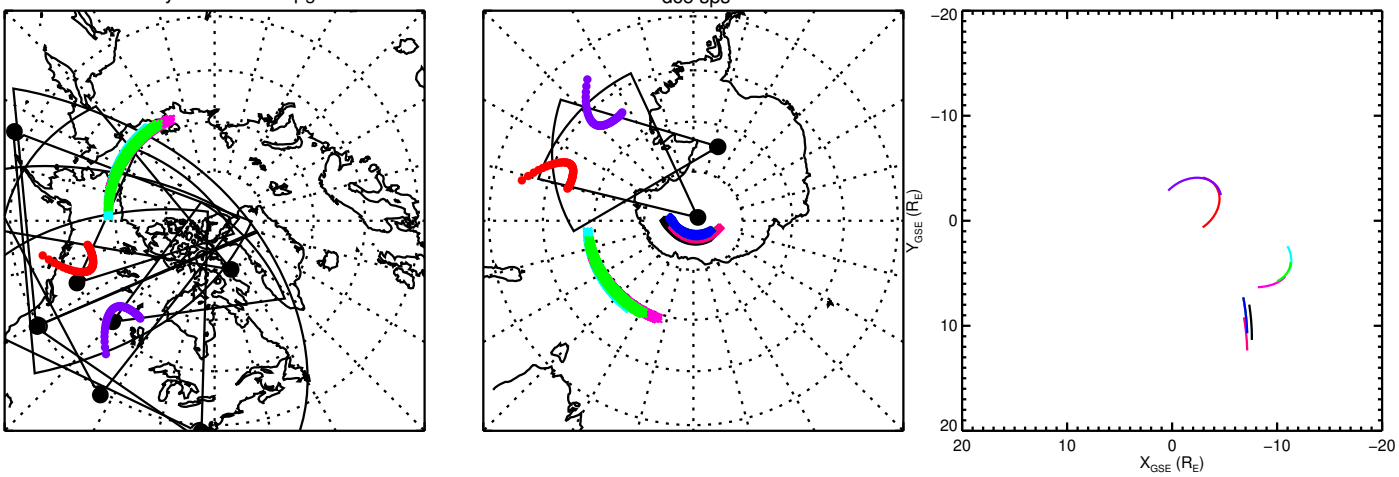
dce



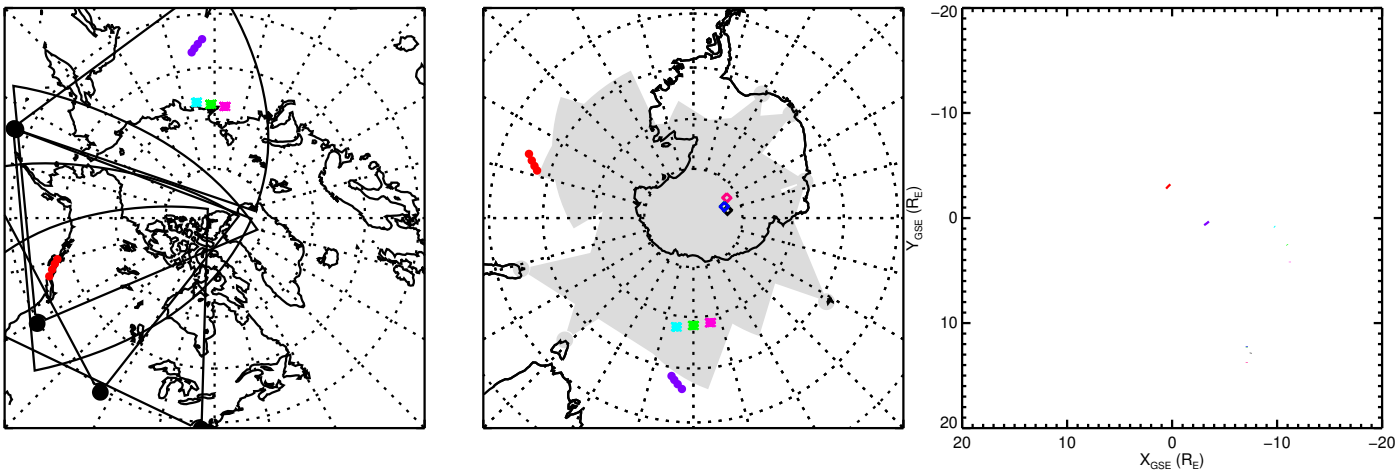


(c) 0850UT to 1320UT
ade bks cly cve cvw fhw pgr sas

dce sps

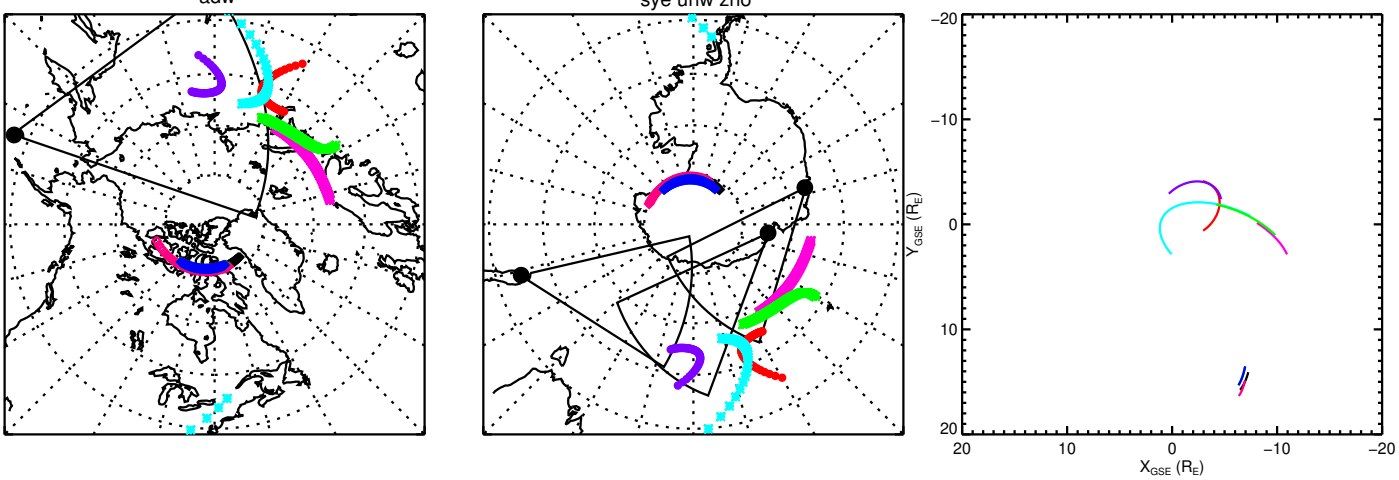


(d) 1530UT to 1545UT
ade adw bks cvw fhw



(e) 1750UT to 2220UT
adw

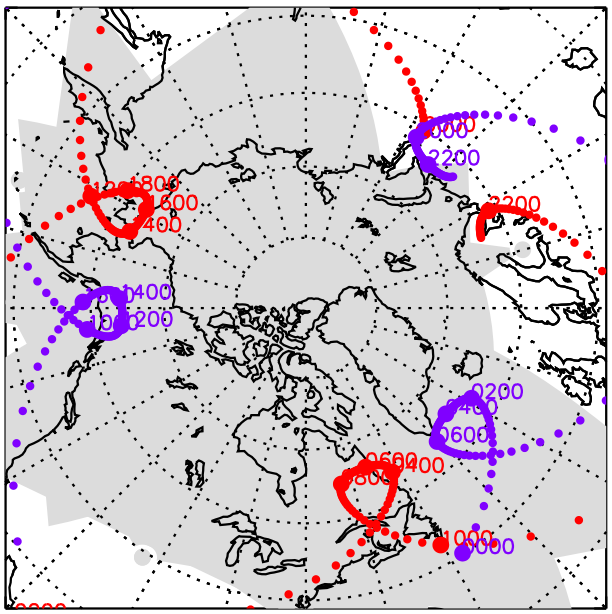
sye unw zho

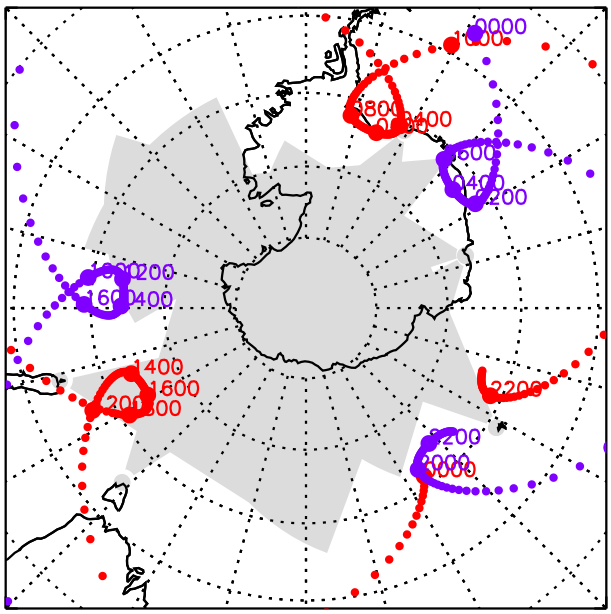


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

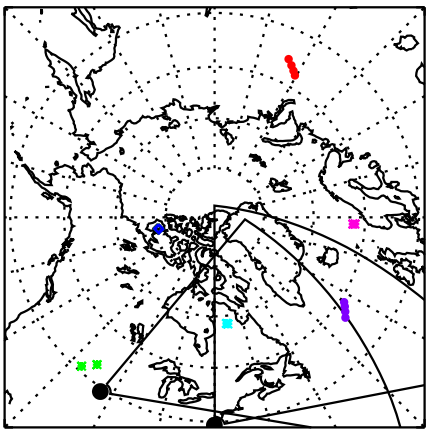
13–Nov–2014

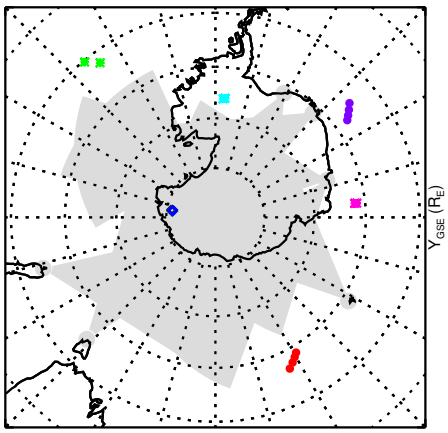
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

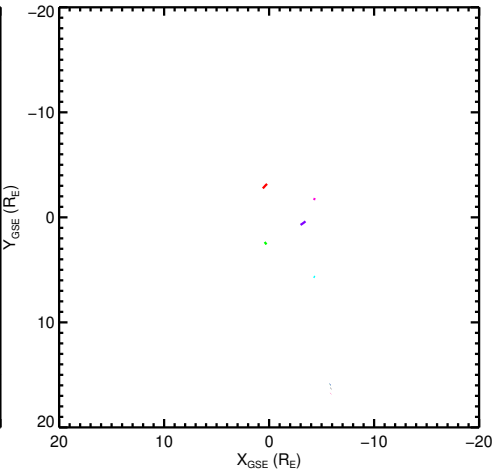




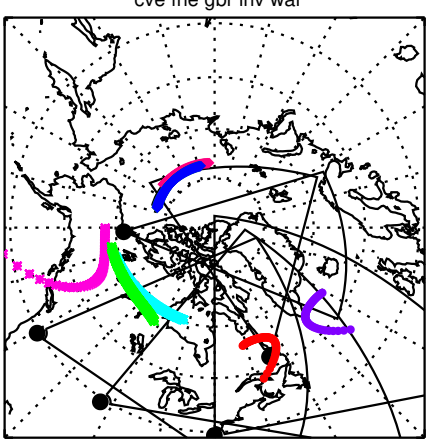
(a) 0030UT to 0045UT
fhe wal

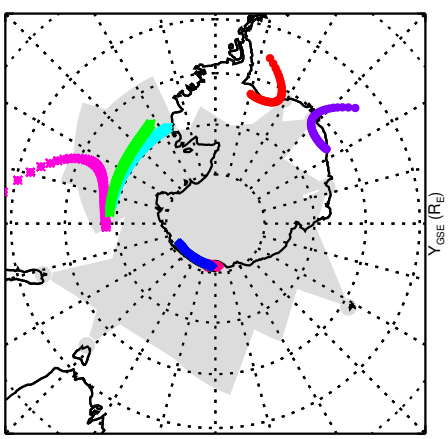


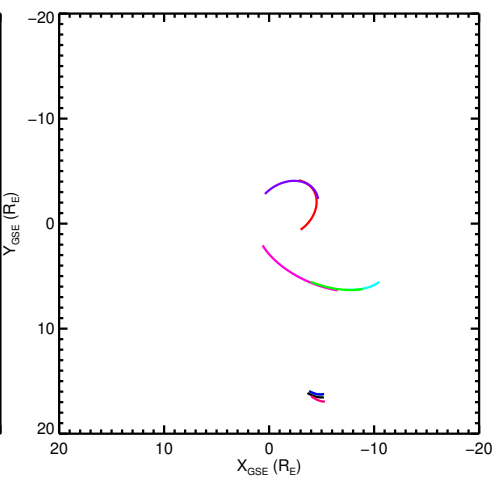




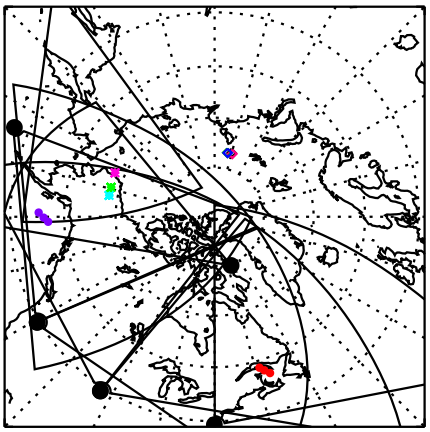
(b) 0250UT to 0725UT
cve fhe gbr inv wal

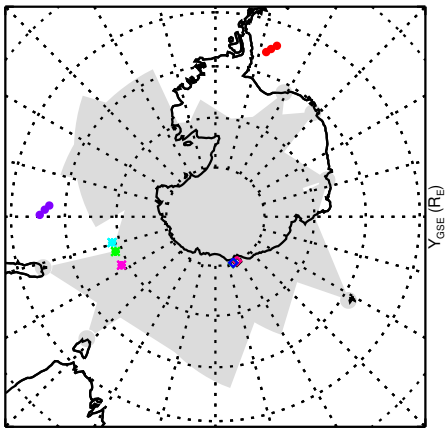


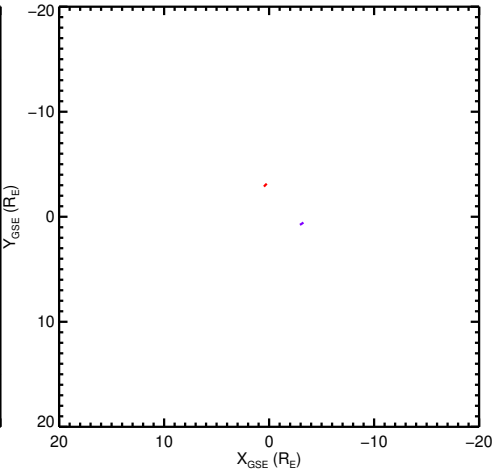




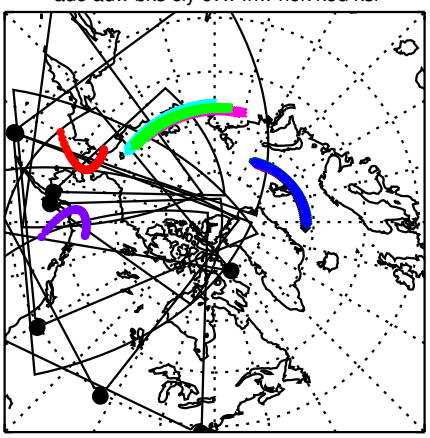
(c) 0930UT to 0940UT
ade cly cve cvw fhe fhw hok wal



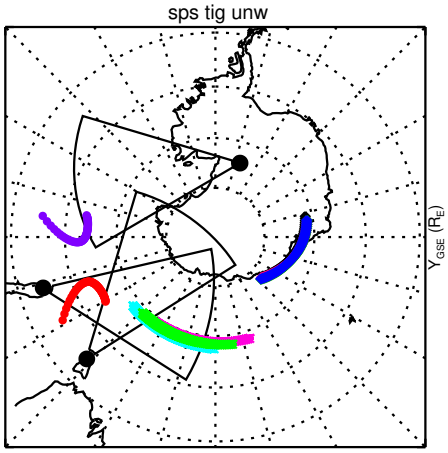


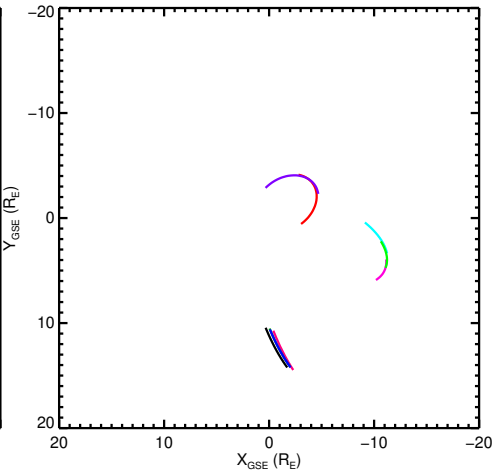


(d) 1150UT to 1625UT
ade adw bks cly cvw fhw hok kod ksr

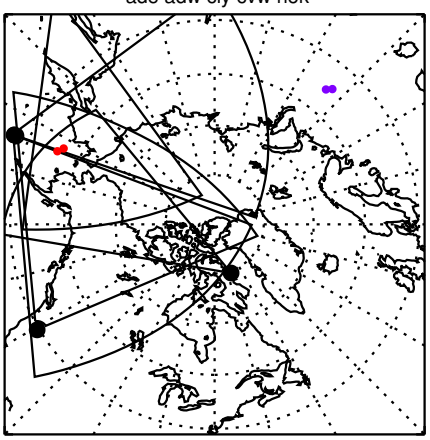


sps tig unw

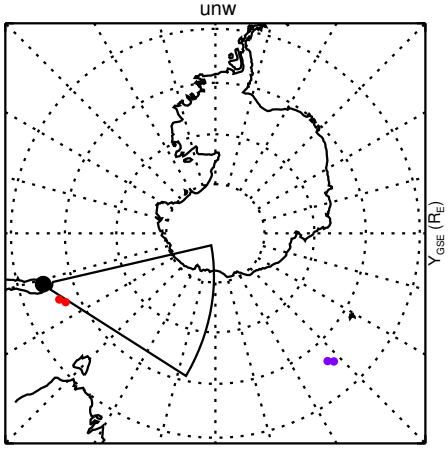


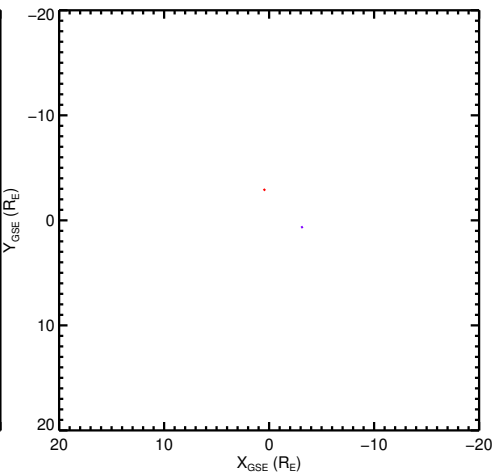


(e) 1835UT to 1840UT
ade adw cly cvw hok

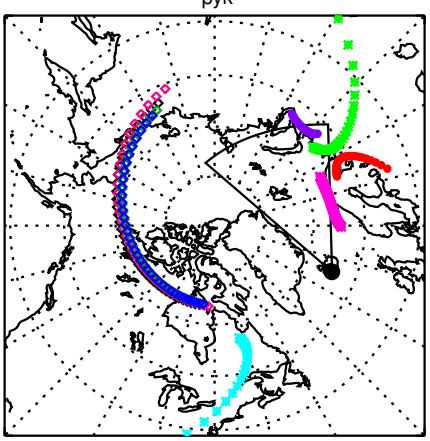


unw

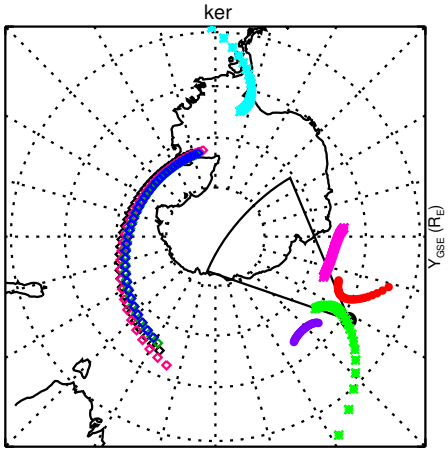


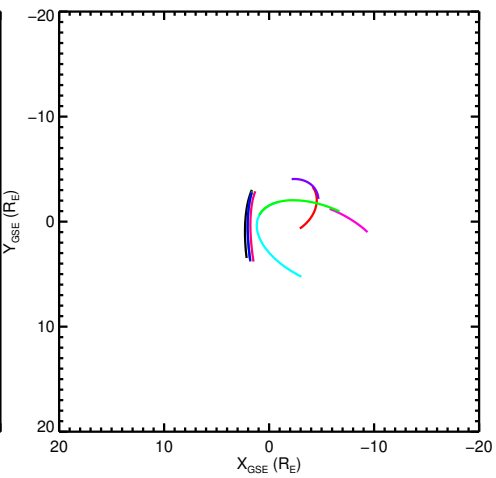


(f) 2045UT to 2355UT
pyk



ker

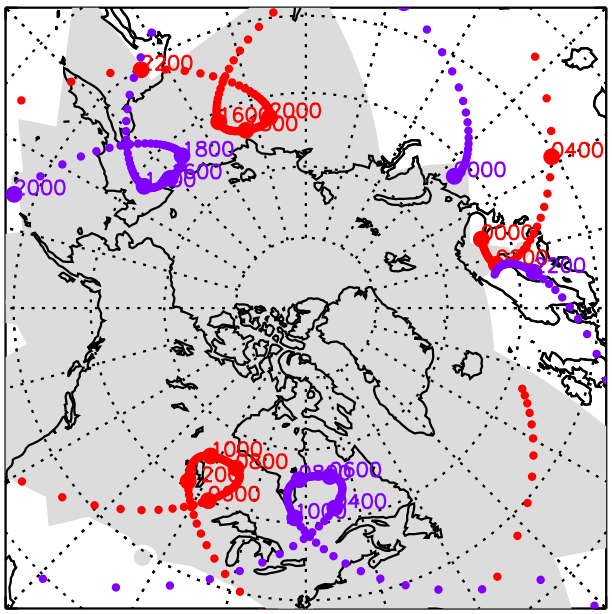


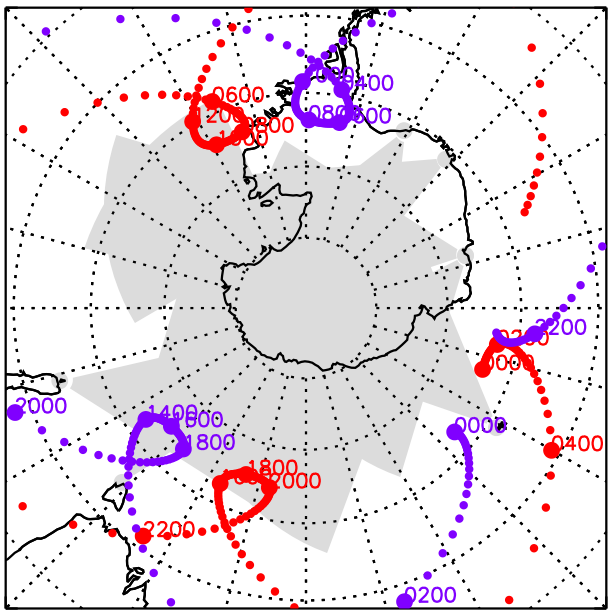


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

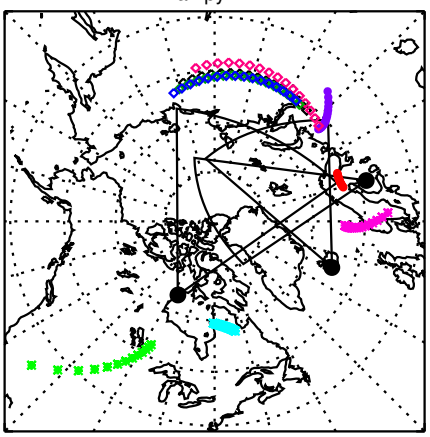
14–Nov–2014

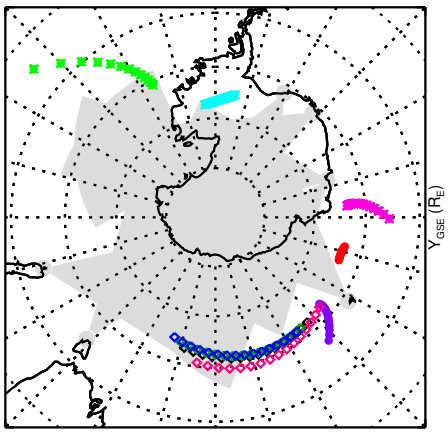
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

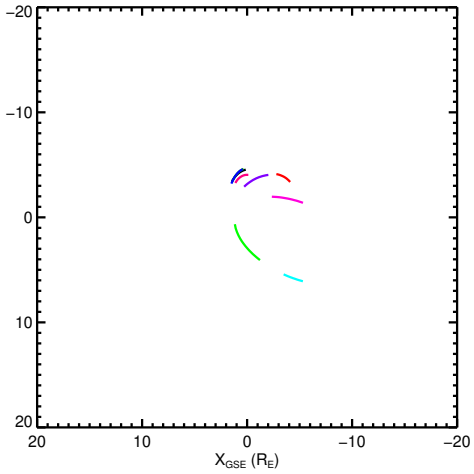




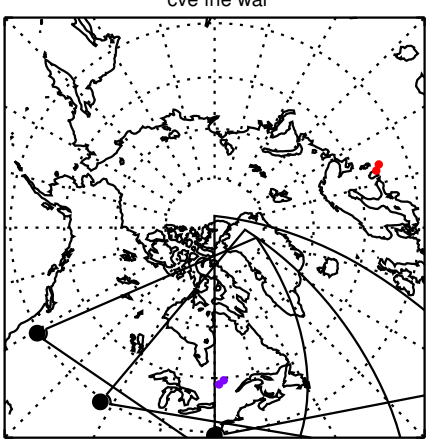
(a) 0000UT to 0125UT
han pyk rkn

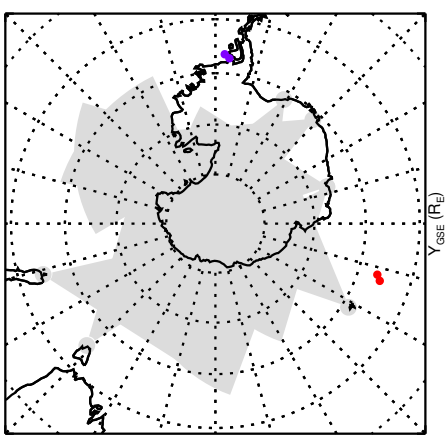


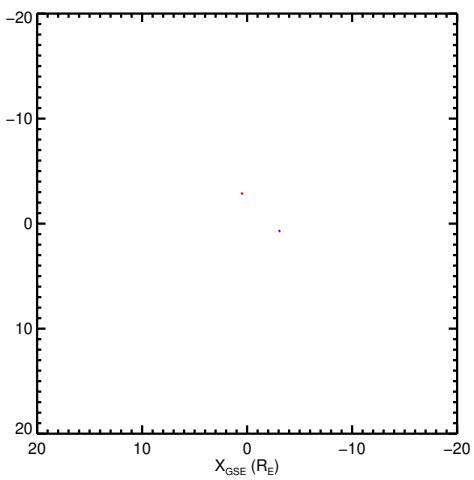




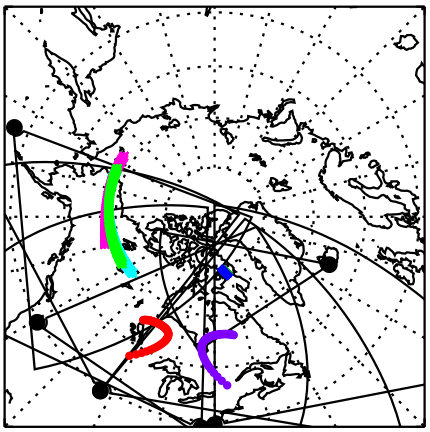
(b) 0335UT to 0340UT
cve fhe wal



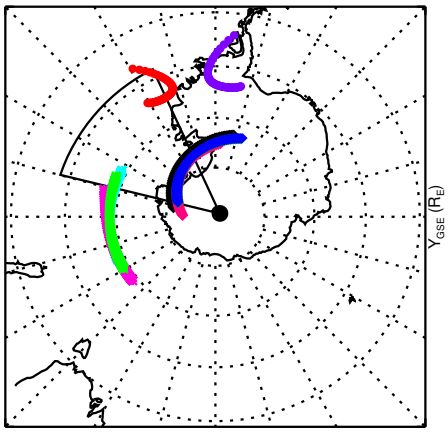


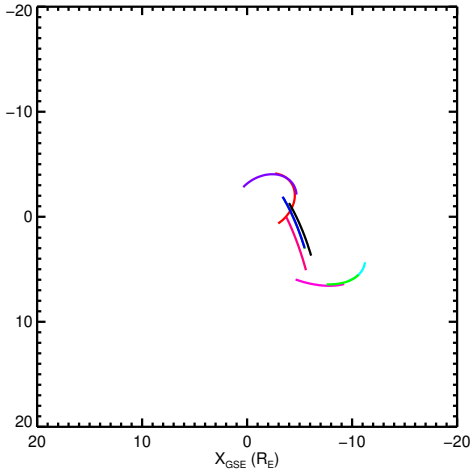


(c) 0545UT to 1030UT
ade bks cve fhe fhw sto wal

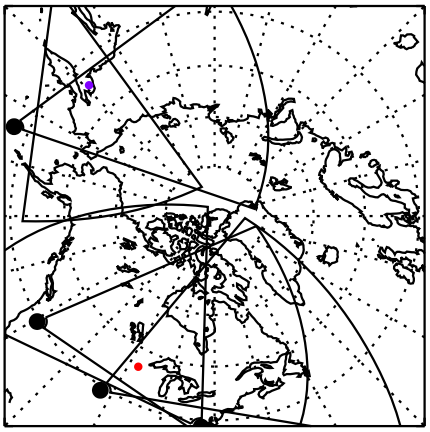


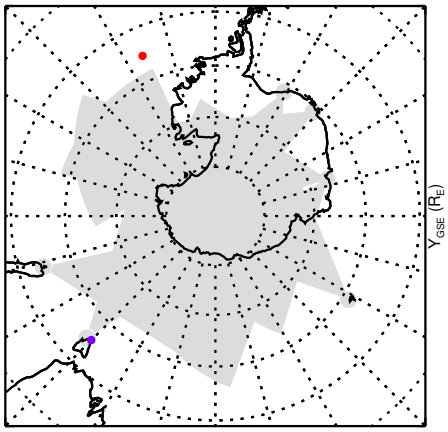
dce

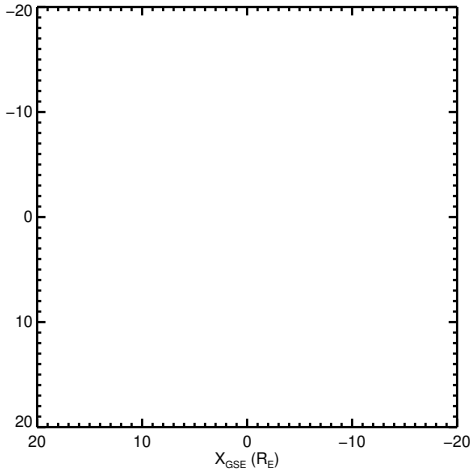




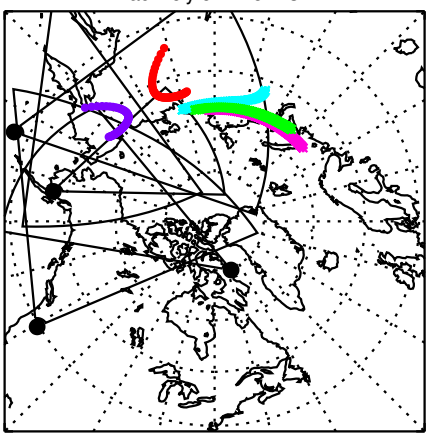
(d) 1235UT to 1235UT
adw bks cve fhe hok



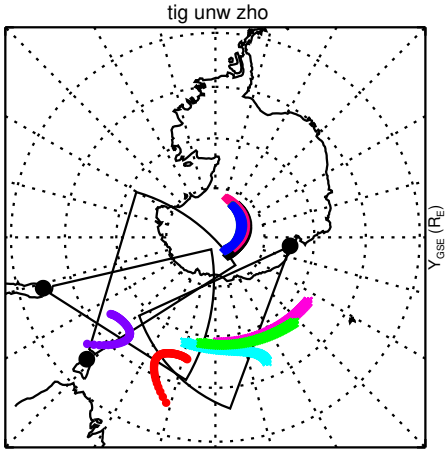


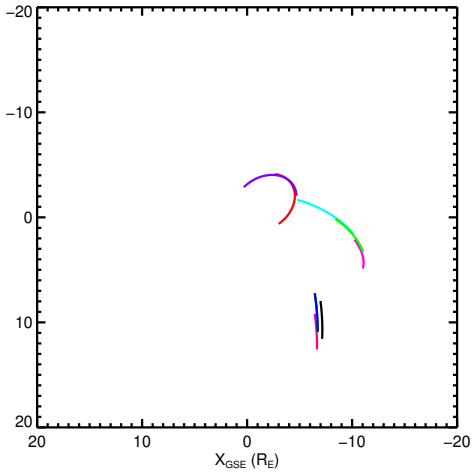


(e) 1445UT to 1930UT
adw cly cvw hok ksr

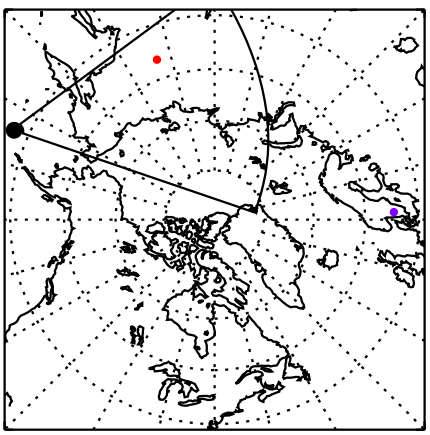


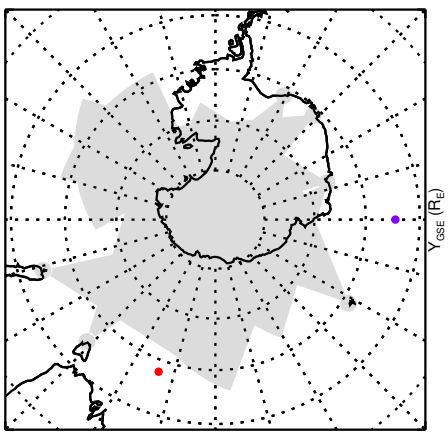
tig unw zho

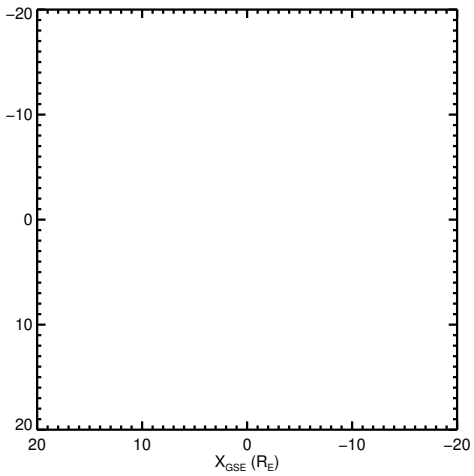




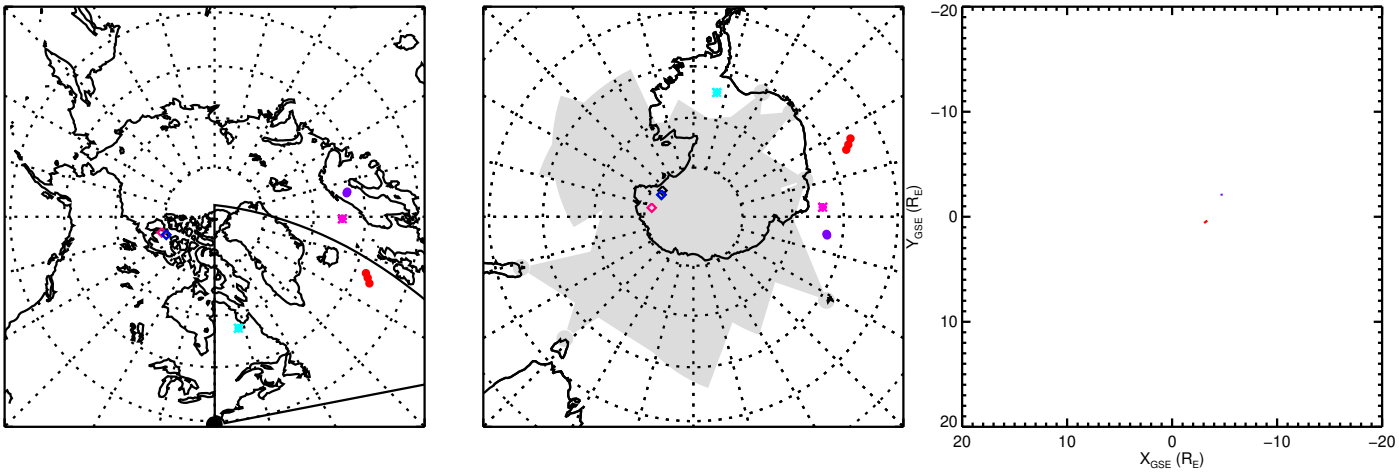
(f) 2135UT to 2135UT
adw







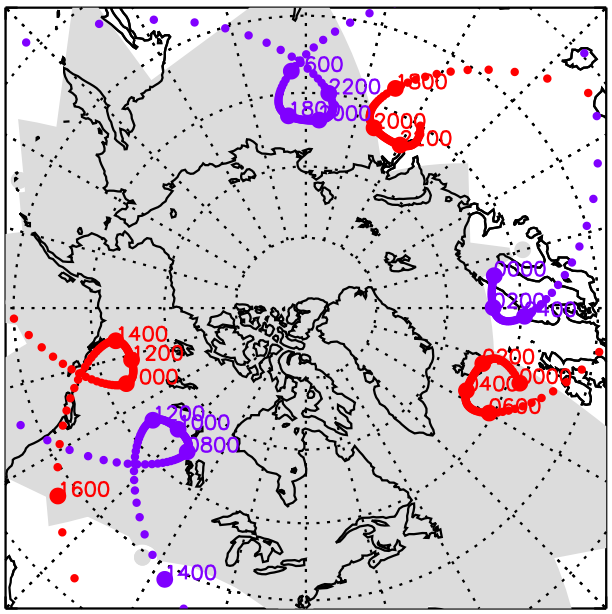
(g) 2345UT to 2355UT
wal

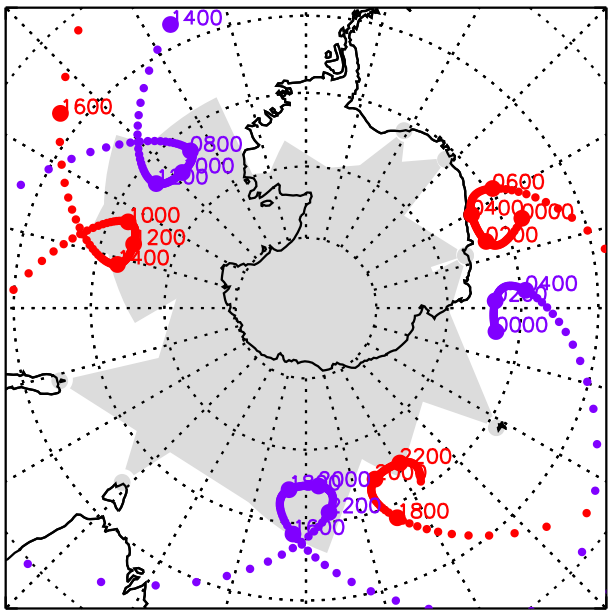


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

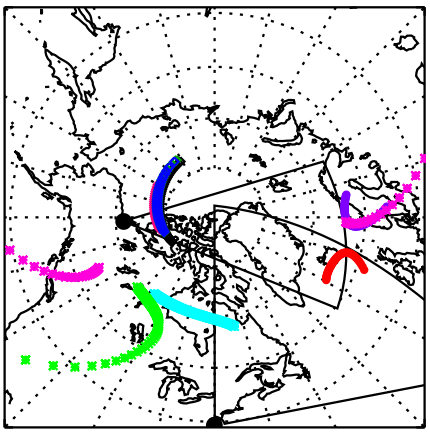
15–Nov–2014

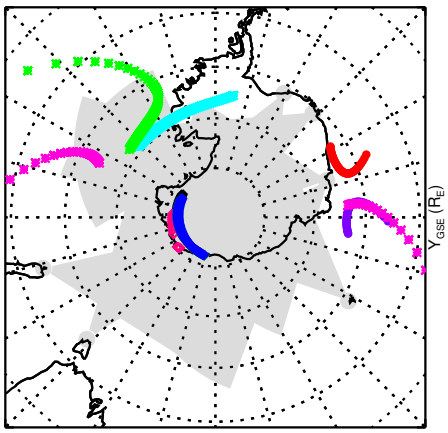
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

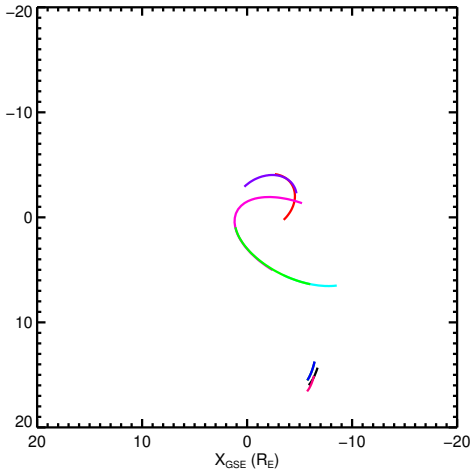




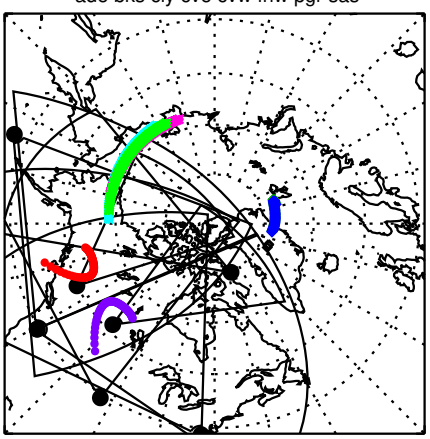
(a) 0000UT to 0430UT
inv wal



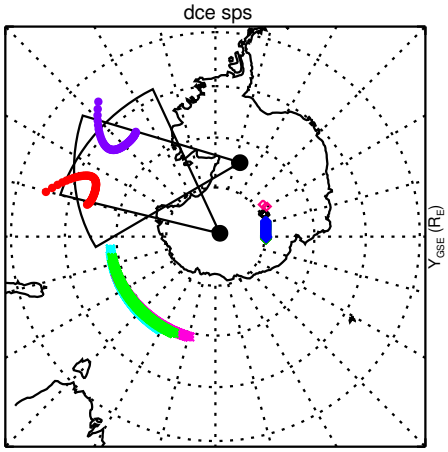


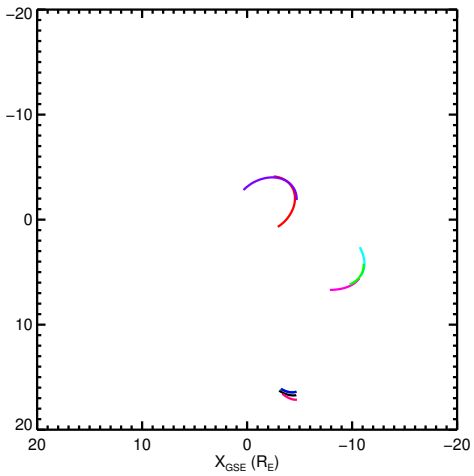


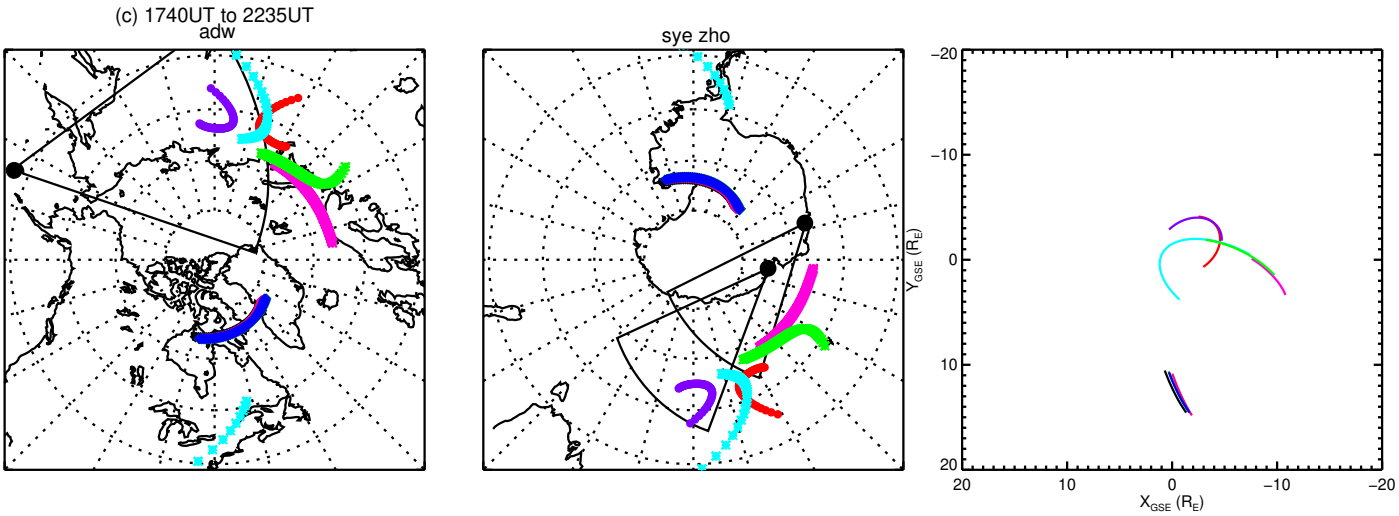
(b) 0840UT to 1335UT
ade bks cly cve cvw fhw pgr sas



dce sps



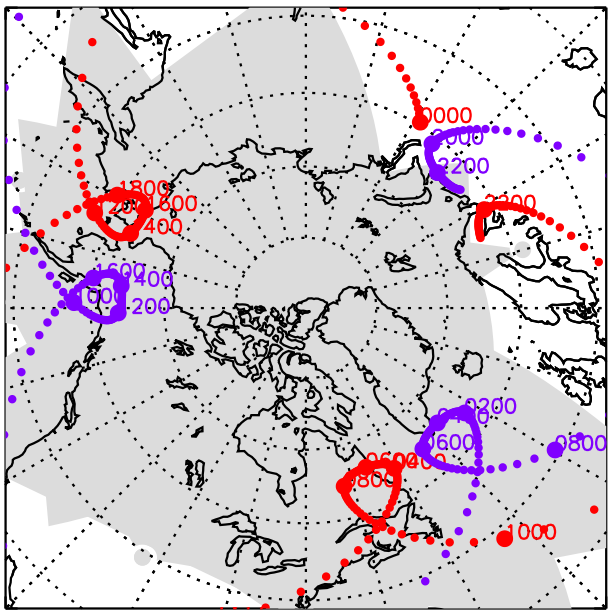


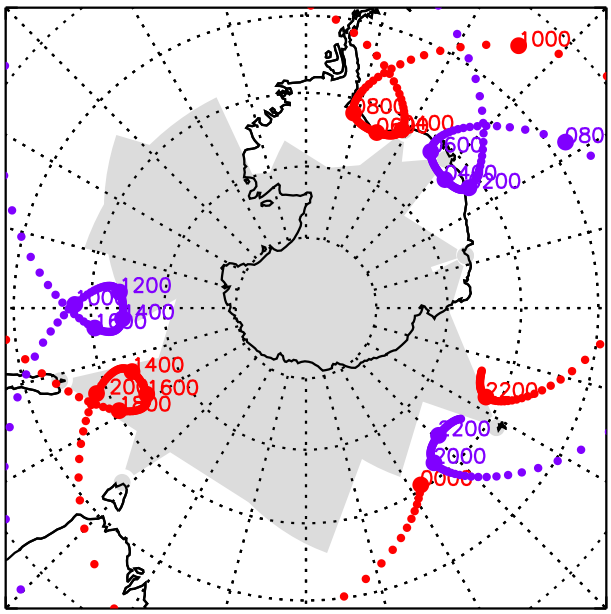

(c) 1740UT to 2235UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

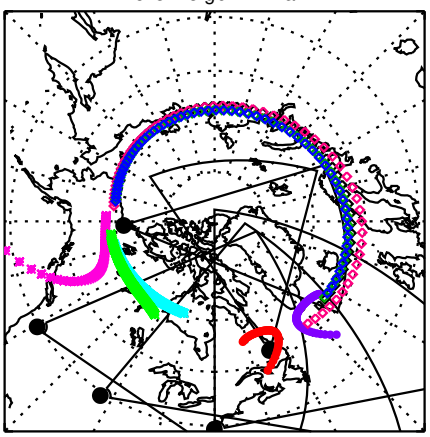
16–Nov–2014

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

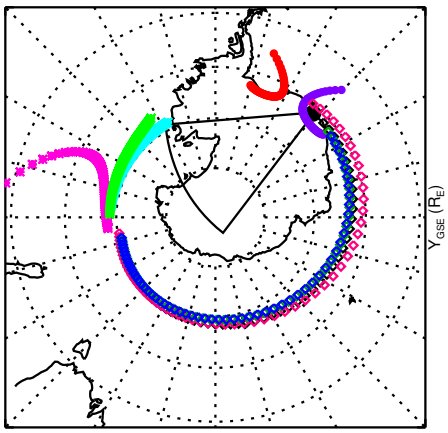


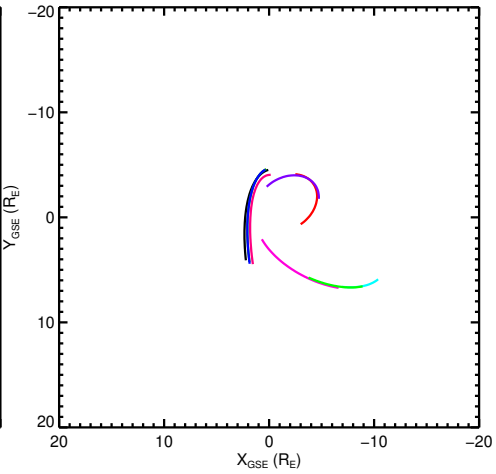


(a) 0240UT to 0735UT
cve fhe gbr inv wal

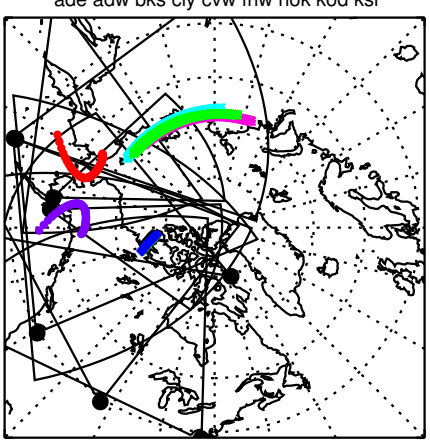


san

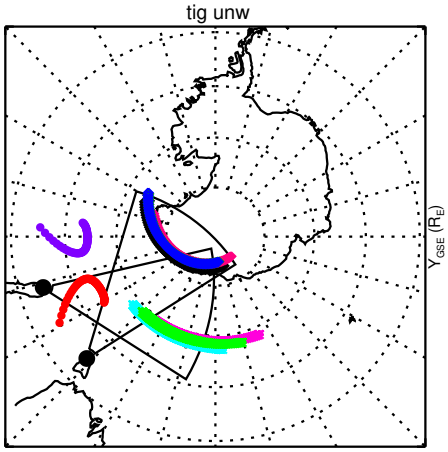


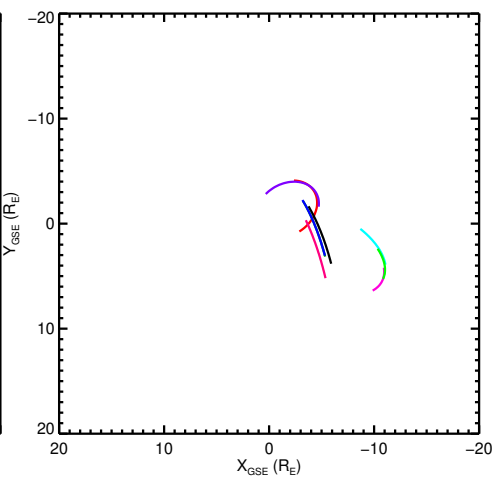


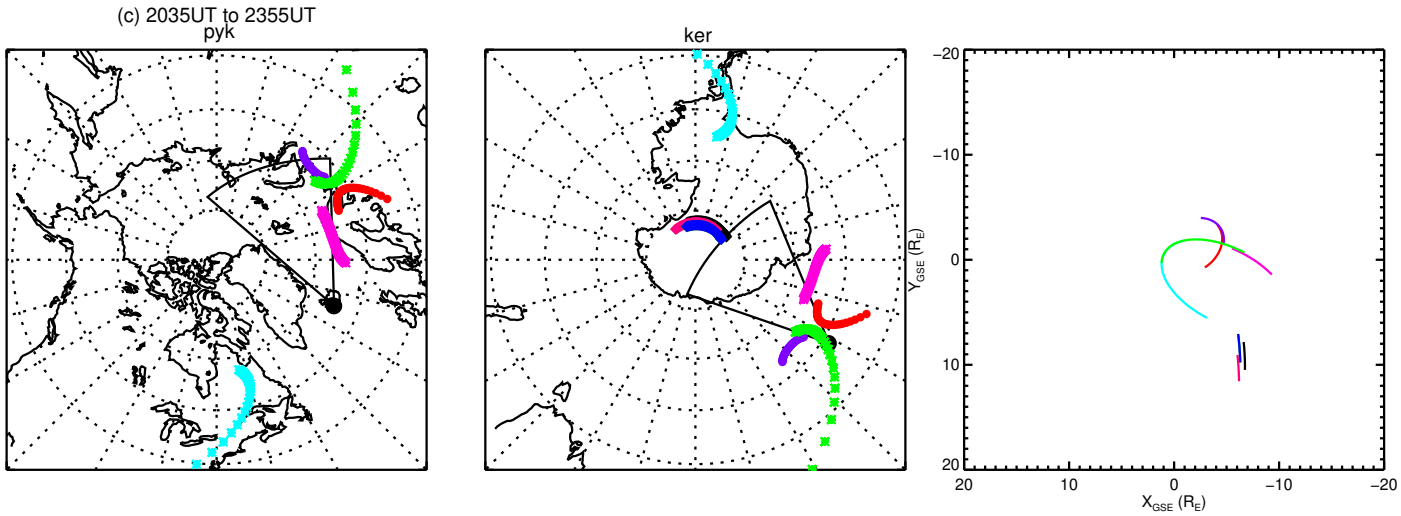
(b) 1135UT to 1640UT
ade adw bks cly cvw fhw hok kod ksr



tig unw



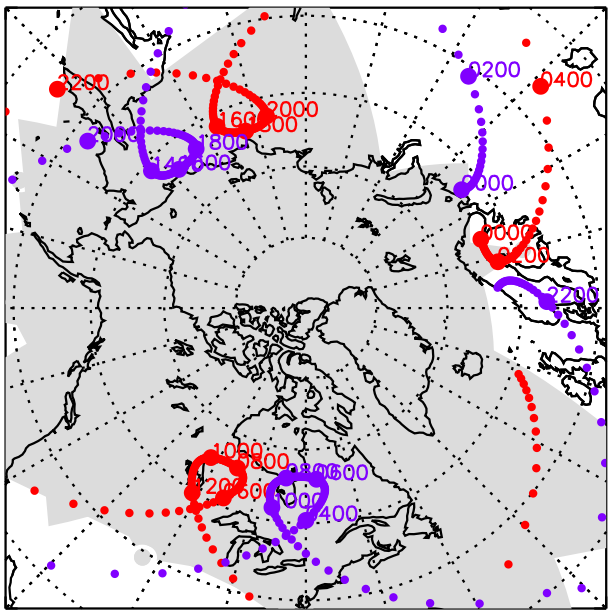


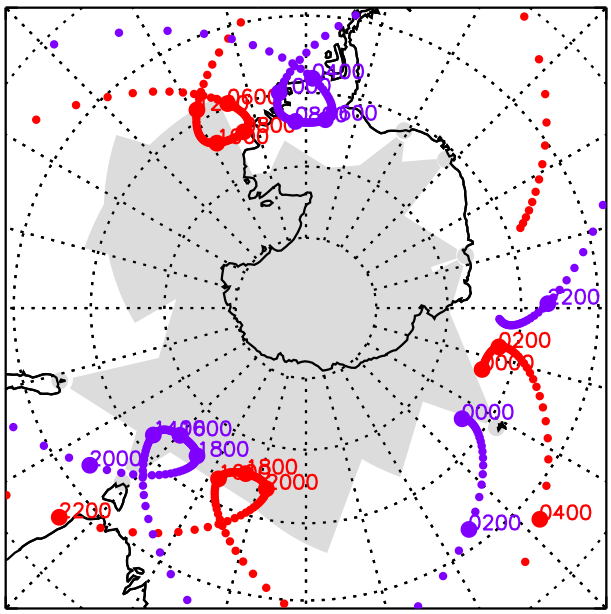

(c) 2035UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

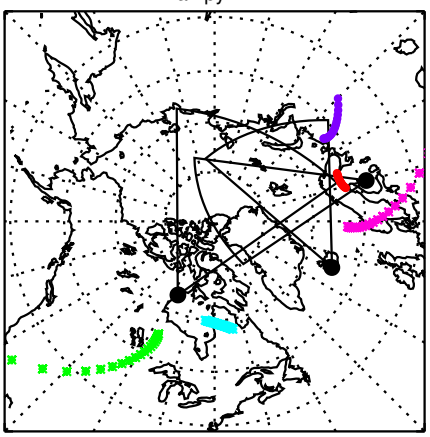
17–Nov–2014

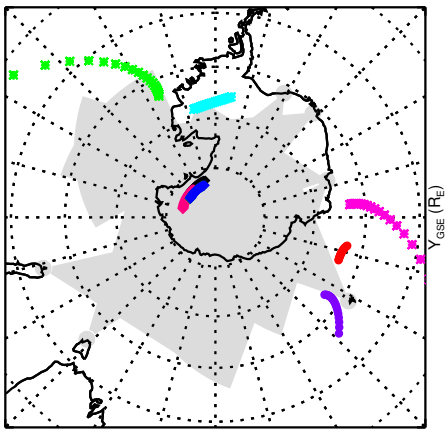
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

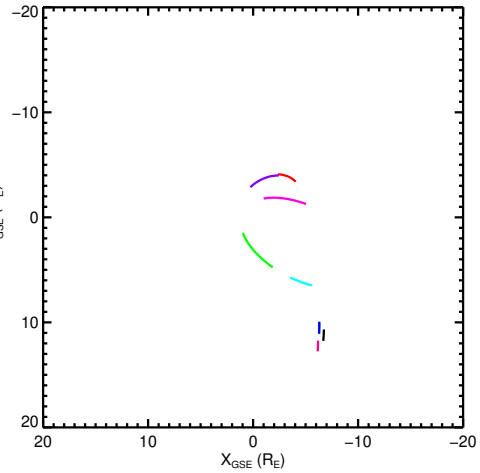




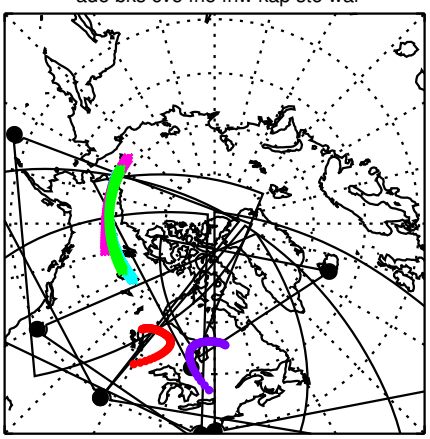
(a) 0000UT to 0140UT
han pyk rkn



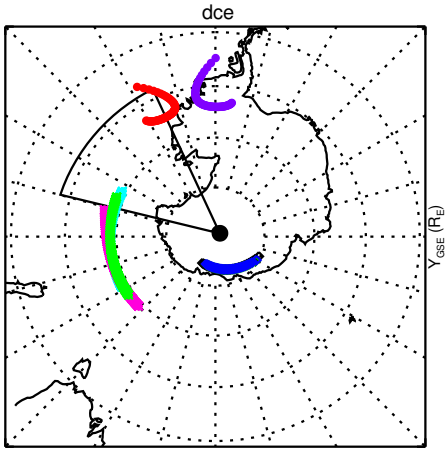


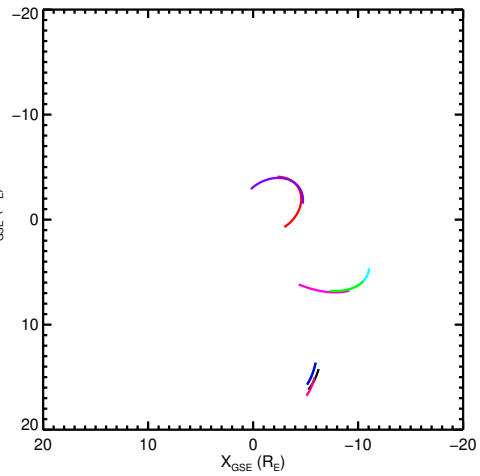


(b) 0535UT to 1040UT
ade bks cve fhe fhw kap sto wal



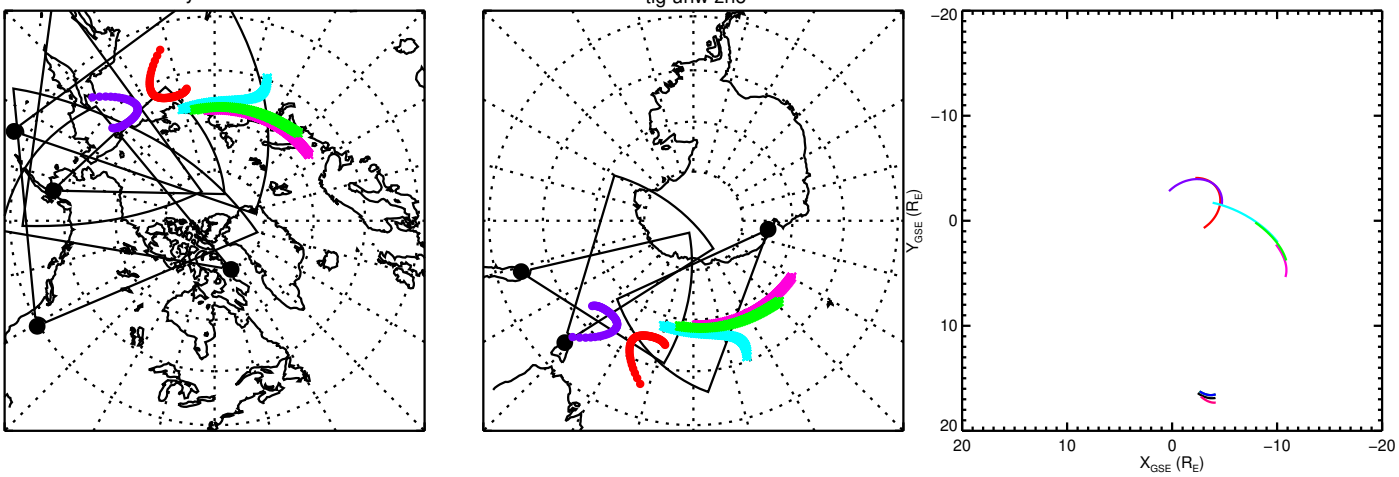
dce



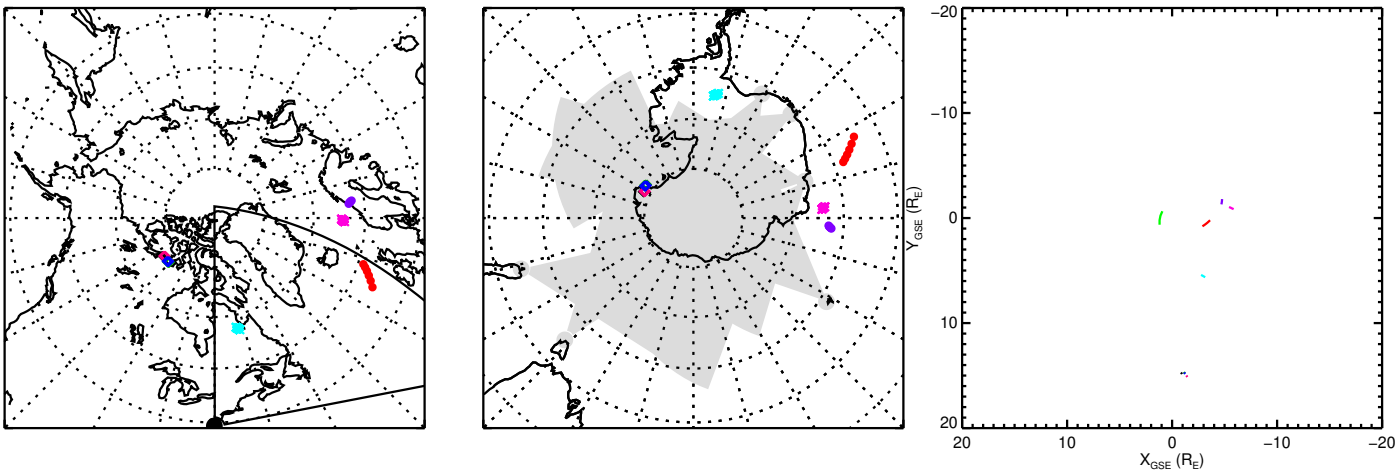


(c) 1435UT to 1945UT
adw cly cvw hok ksr

tig unw zho



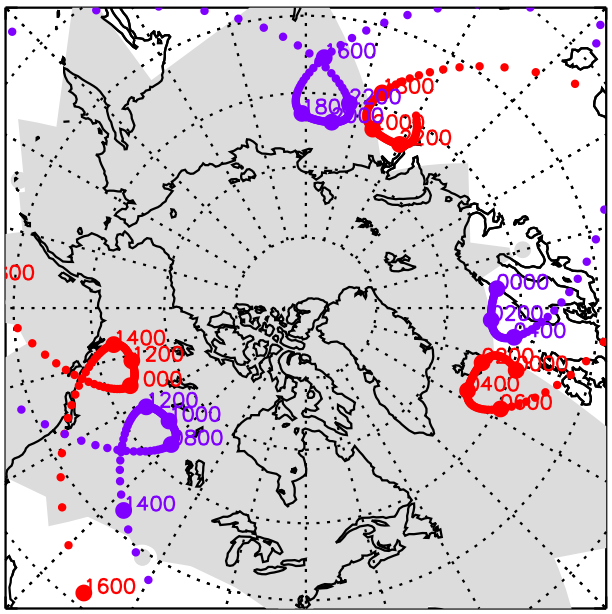
(d) 2330UT to 2355UT
wal

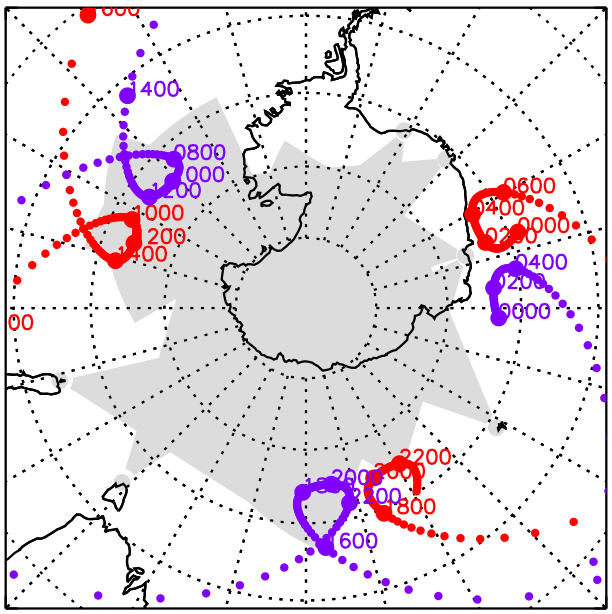


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

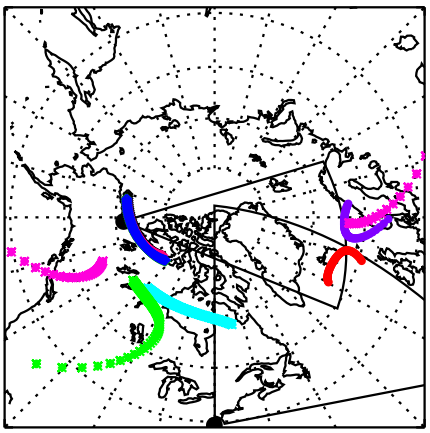
18–Nov–2014

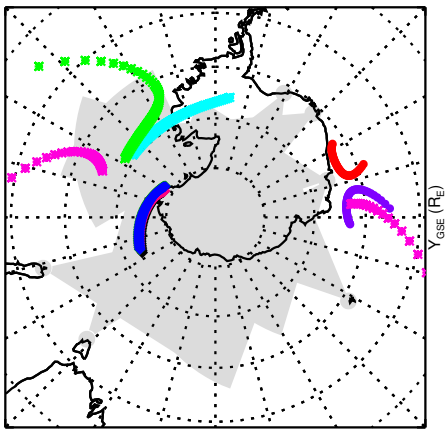
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

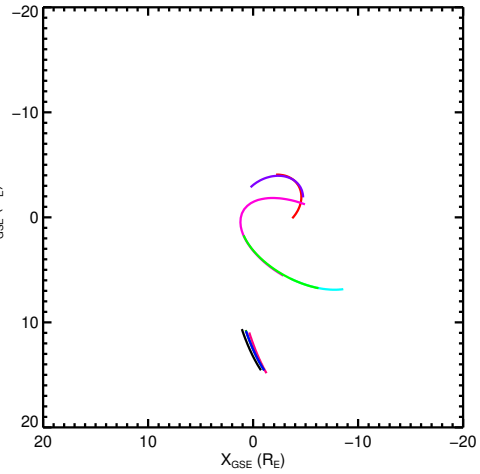




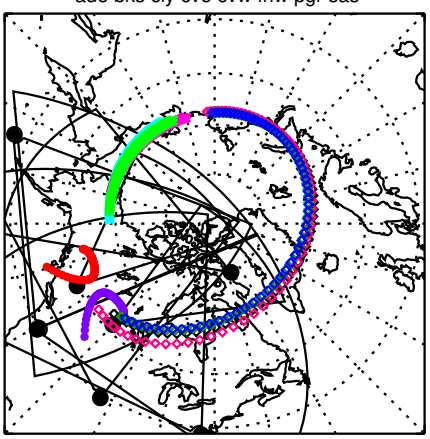
(a) 0000UT to 0445UT
inv wal



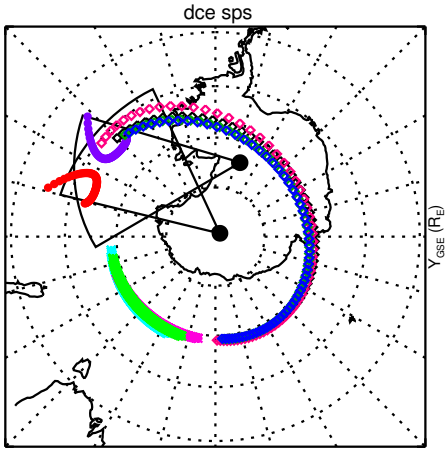


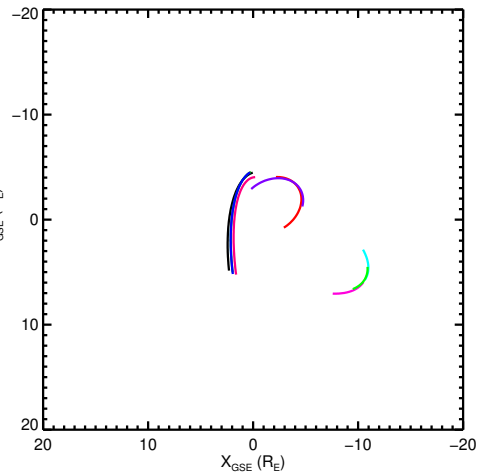


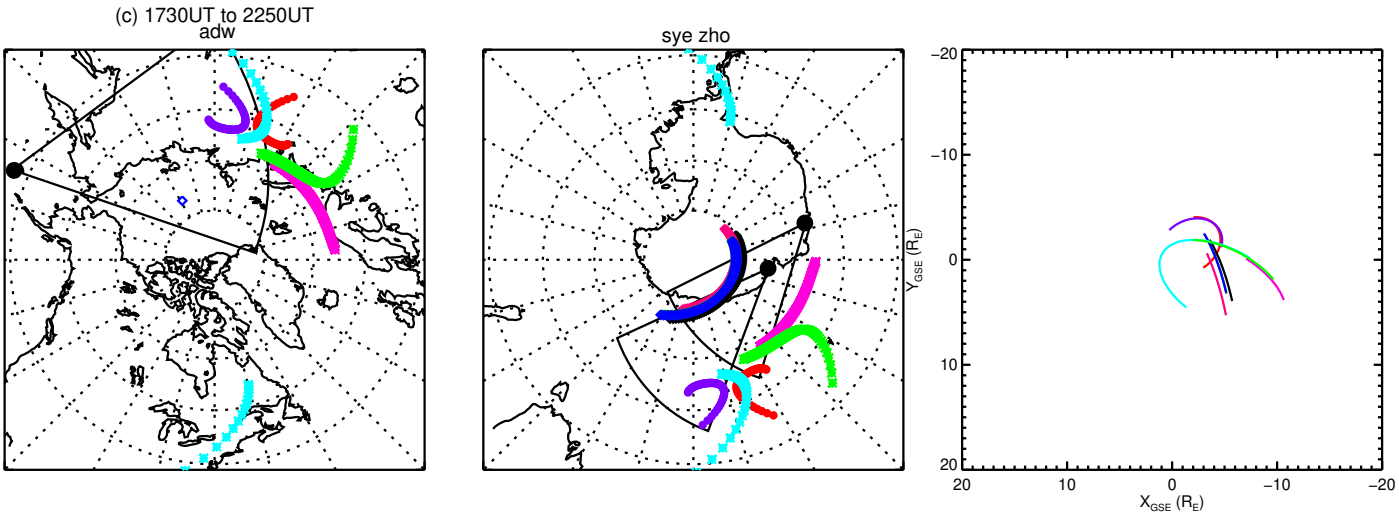
(b) 0830UT to 1345UT
ade bks cly cve cvw fhw pgr sas



dce sps



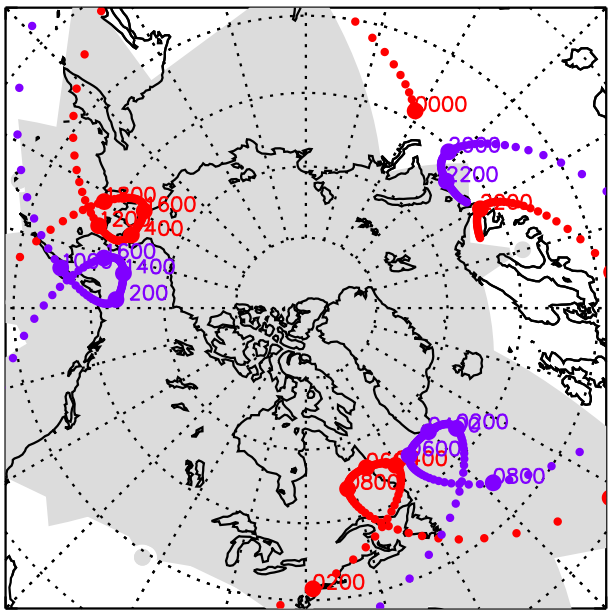


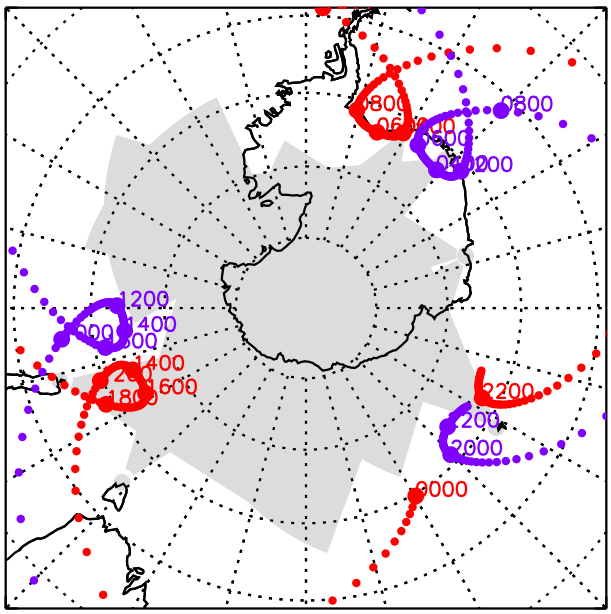

(c) 1730UT to 2250UT
adw
sye zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

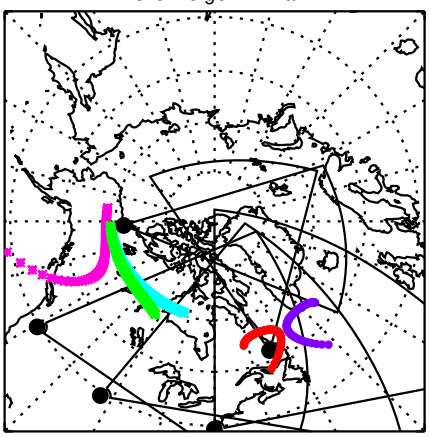
19–Nov–2014

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

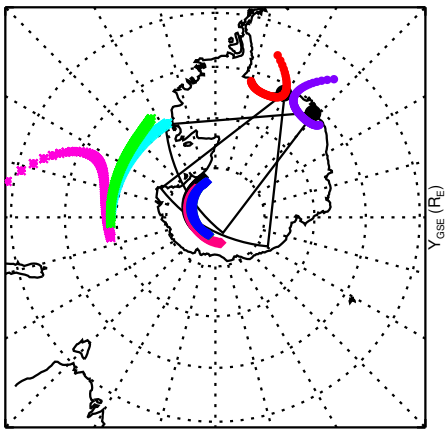


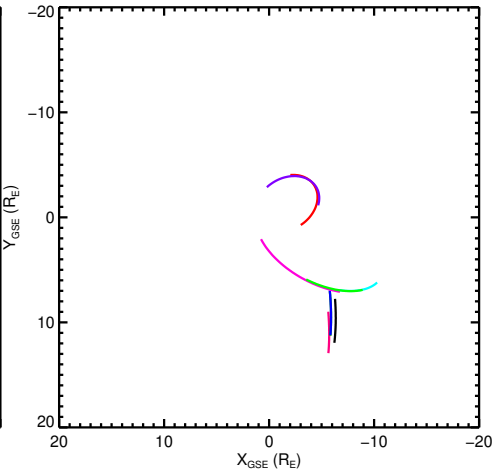


(a) 0230UT to 0750UT
cve fhe gbr inv wal

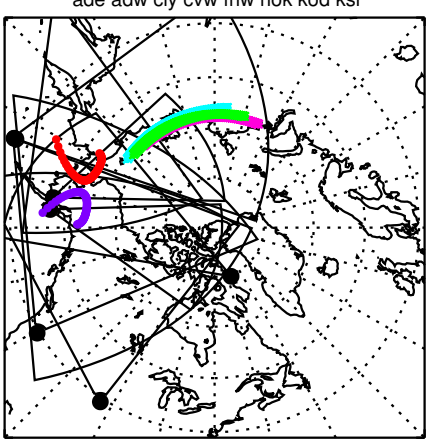


hal san

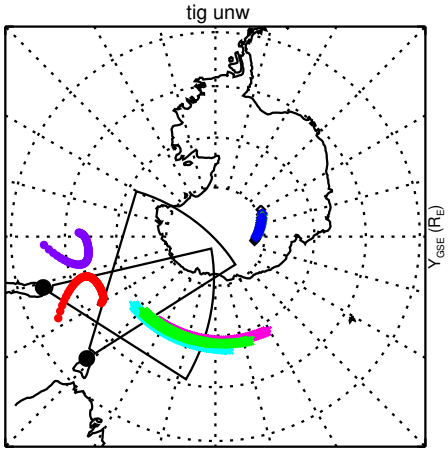


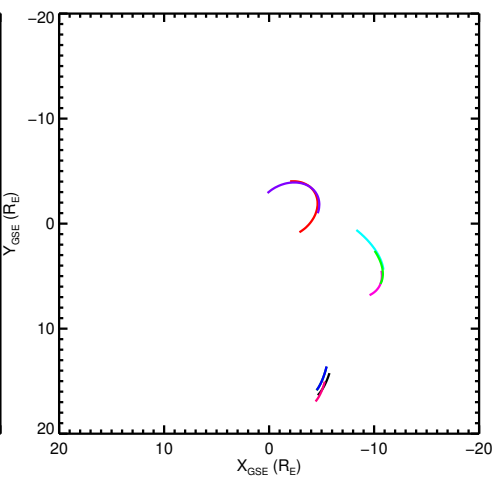


(b) 1125UT to 1650UT
ade adw cly cvw fhw hok kod ksr

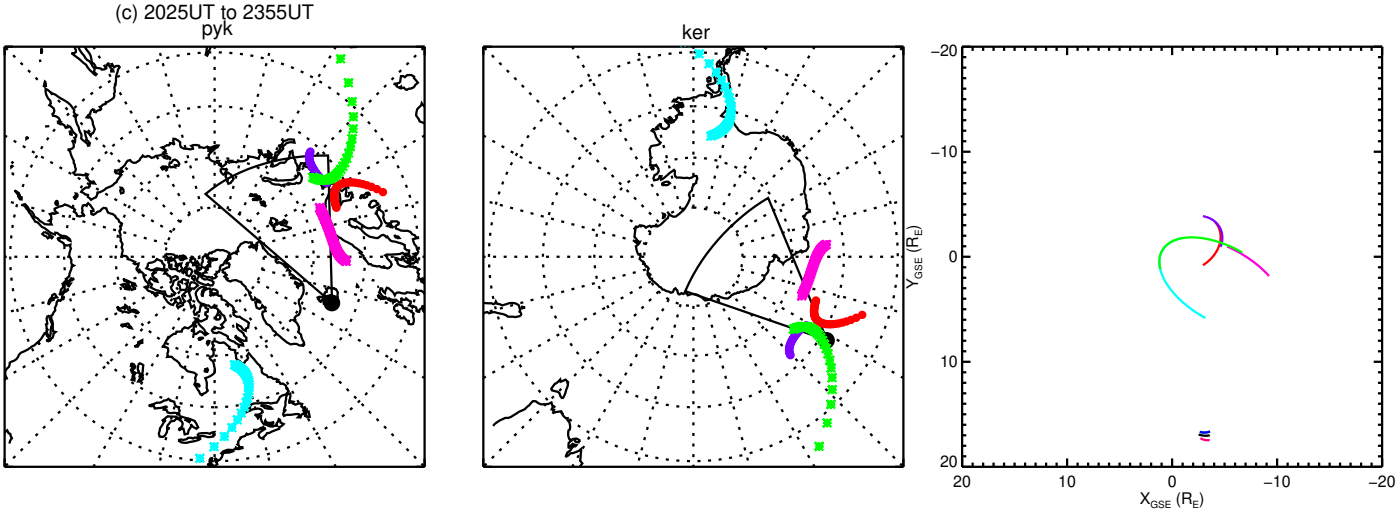


tig unw





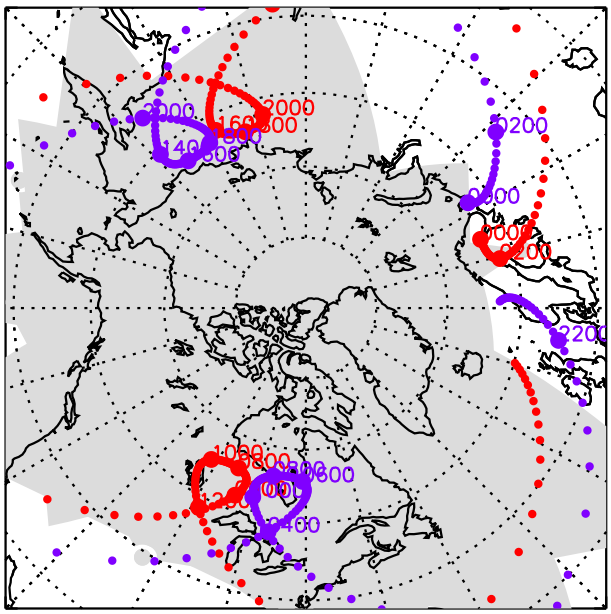
(c) 2025UT to 2355UT

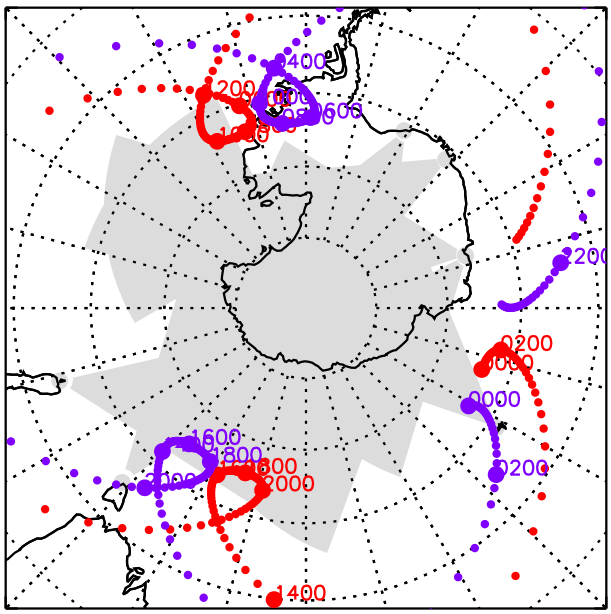


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

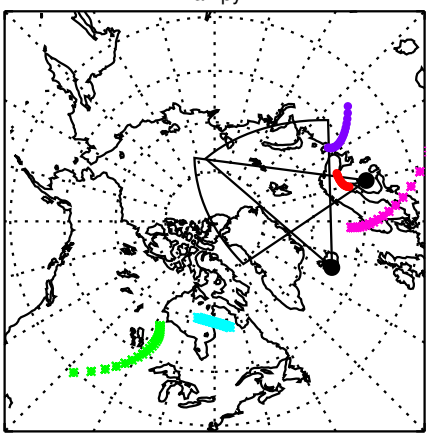
20–Nov–2014

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

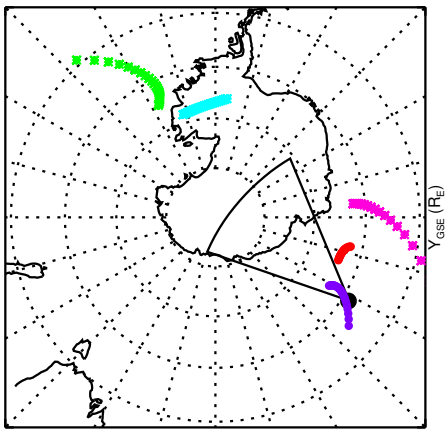


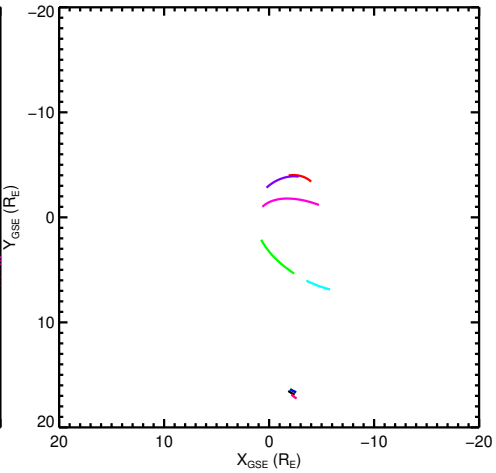


(a) 0000UT to 0155UT
han pyk

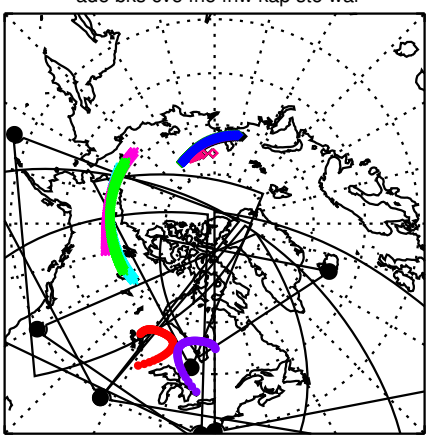


ker

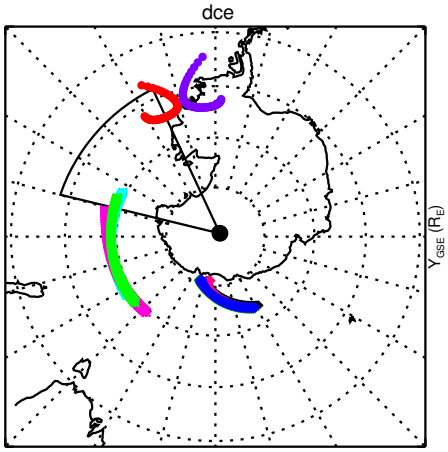


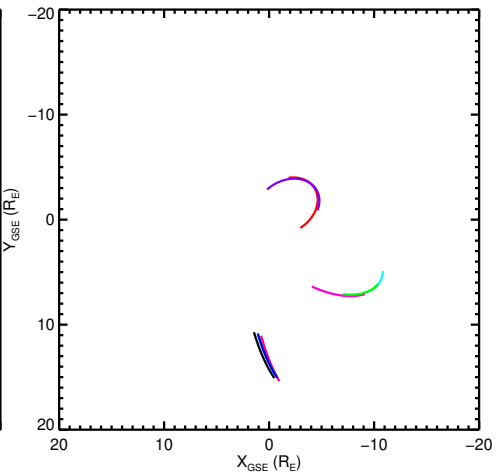


(b) 0525UT to 1055UT
ade bks cve fhe fhw kap sto wal

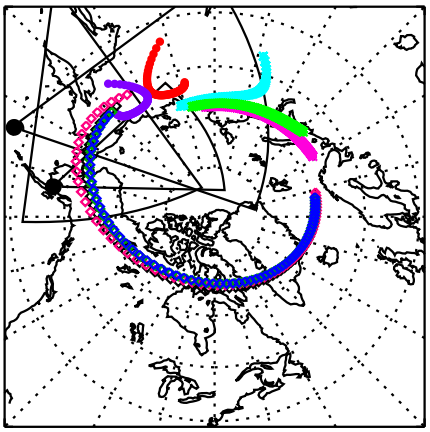


dce

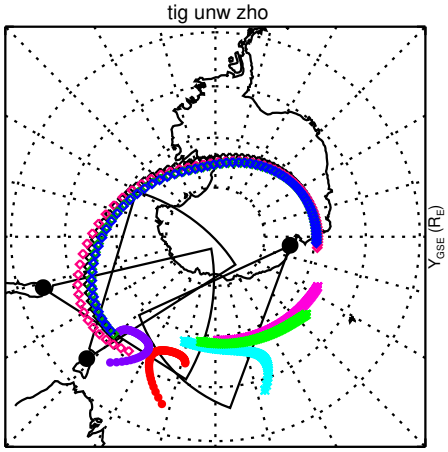


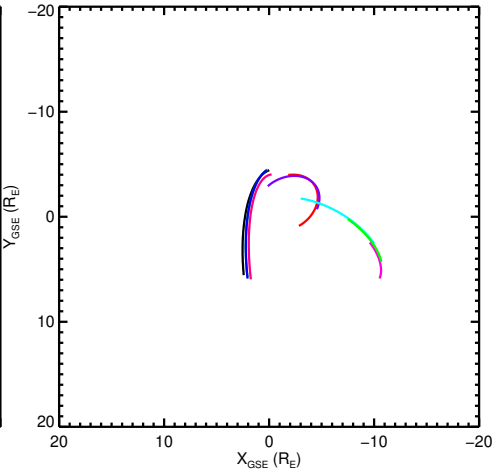


(c) 1420UT to 1955UT
adw hok ksr

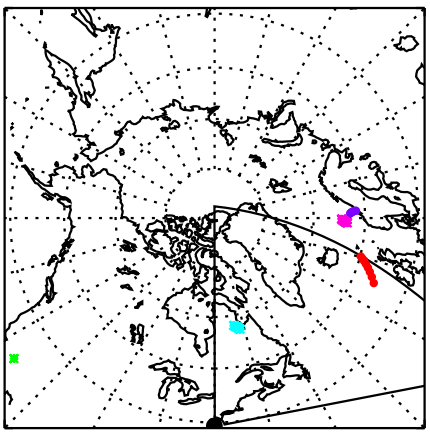


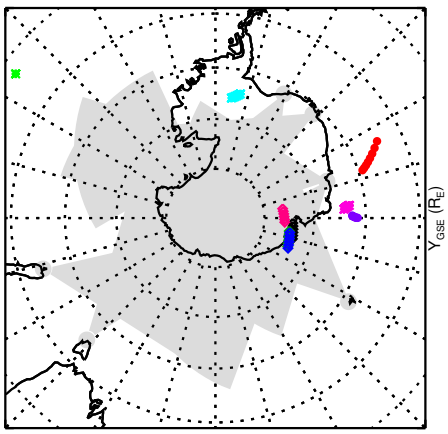
tig unw zho

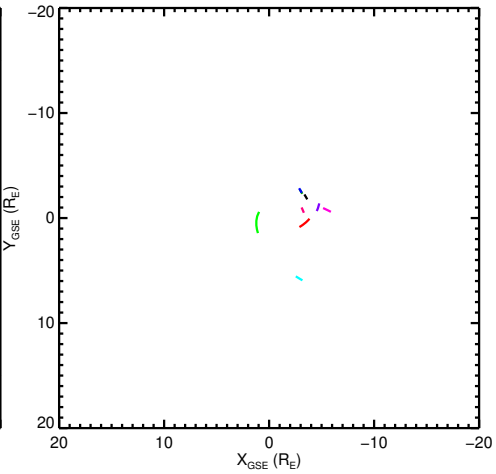




(d) 2320UT to 2355UT
wal



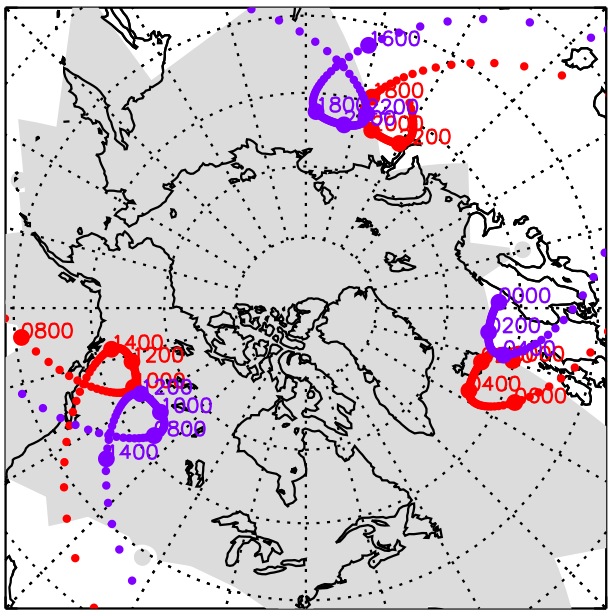


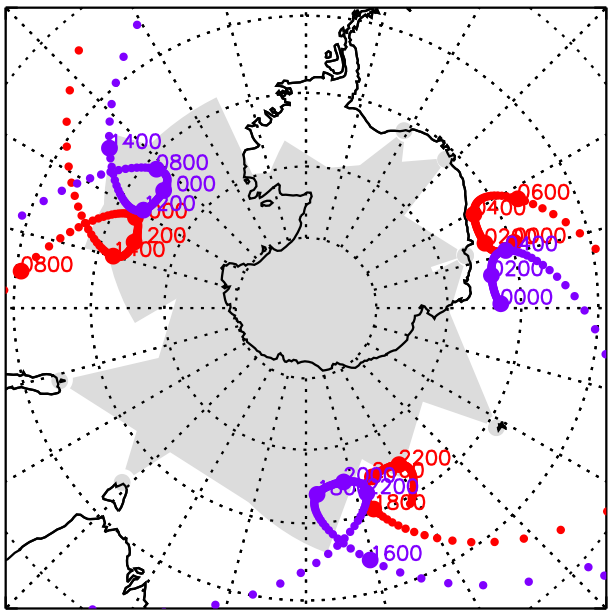


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

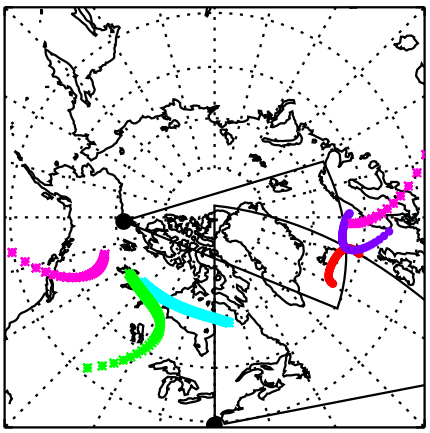
21−Nov−2014

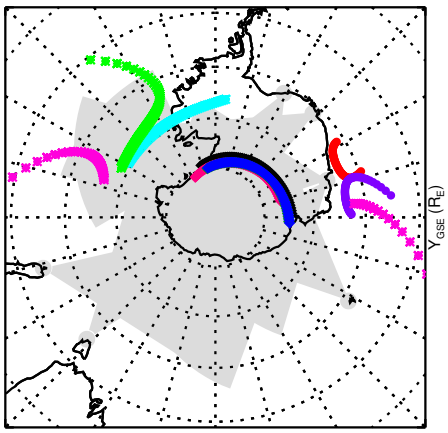
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

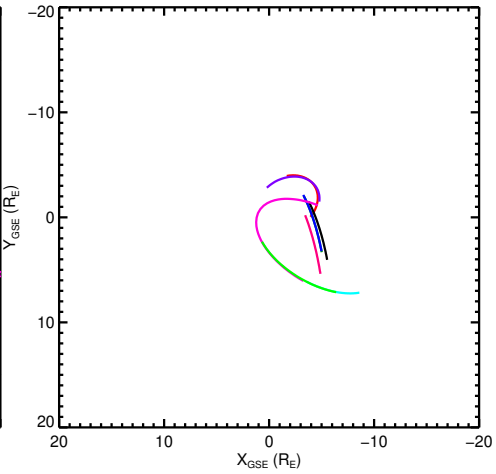




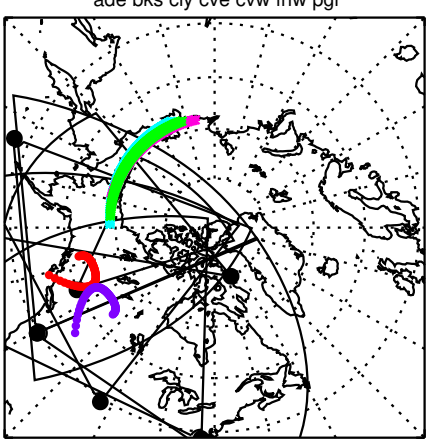
(a) 0000UT to 0500UT
inv wal



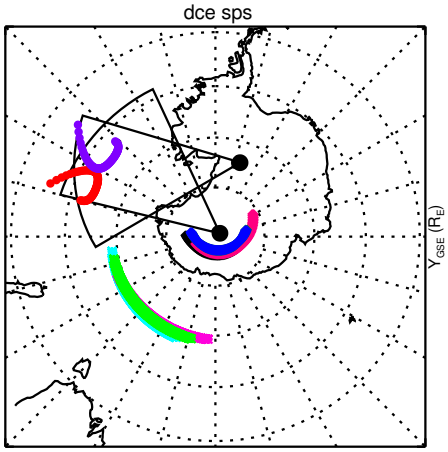


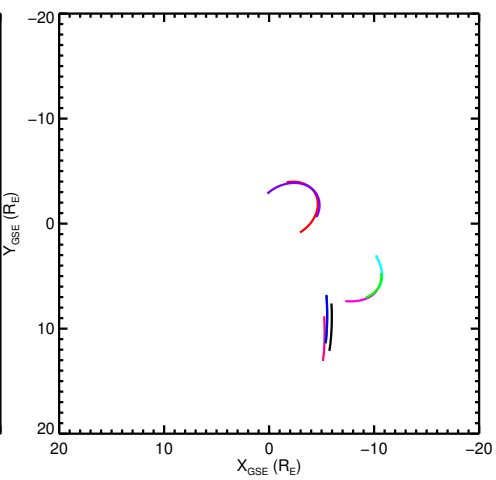


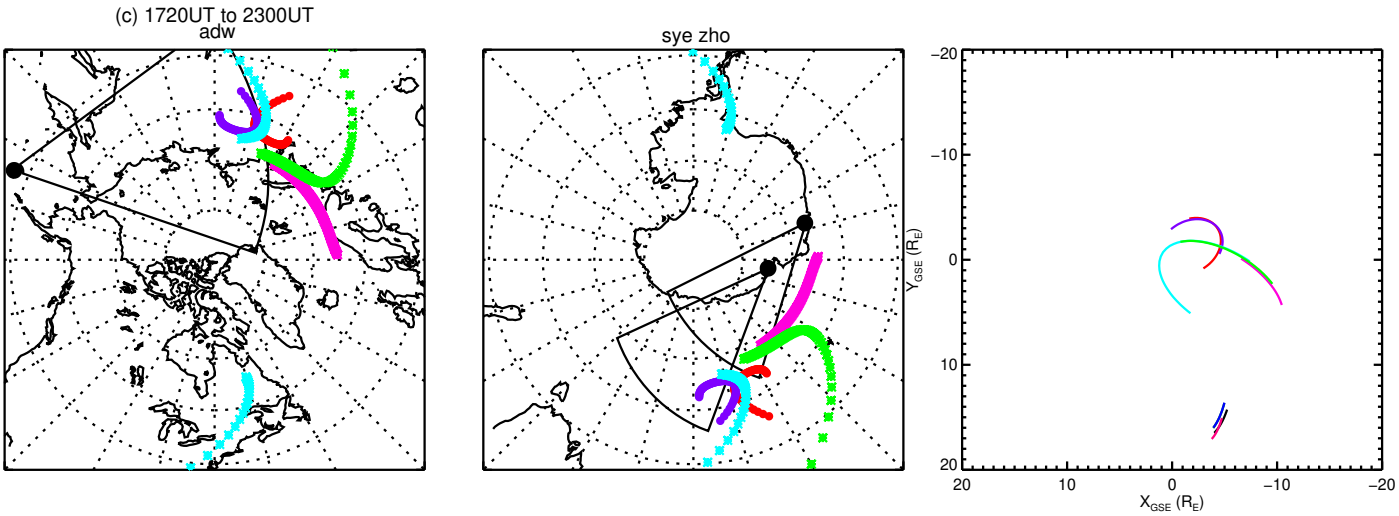
(b) 0820UT to 1400UT
ade bks cly cve cvw fhw pgr



dce sps



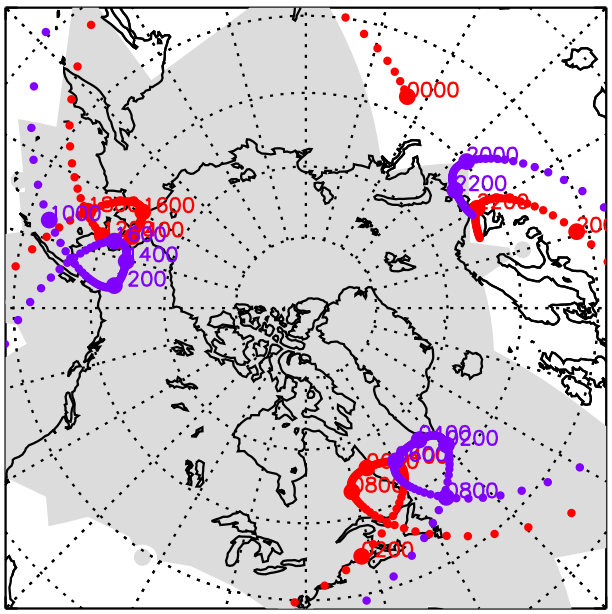


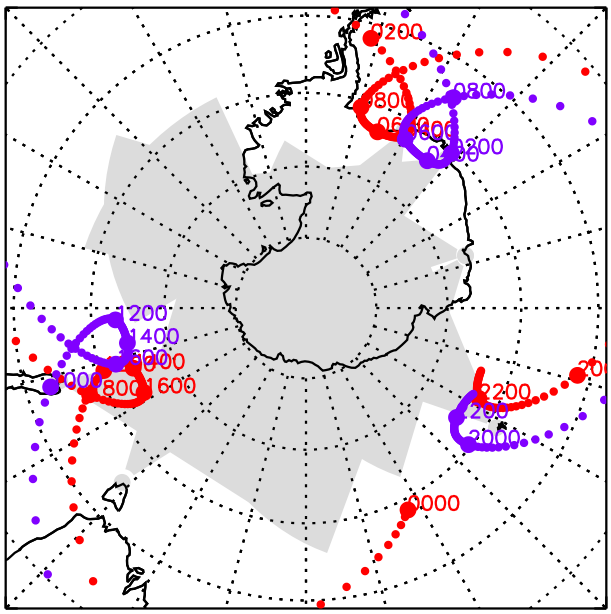

(c) 1720UT to 2300UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

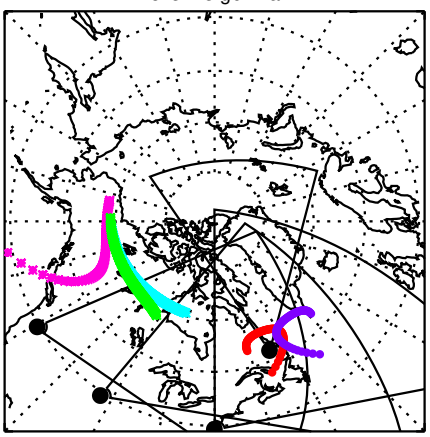
22–Nov–2014

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

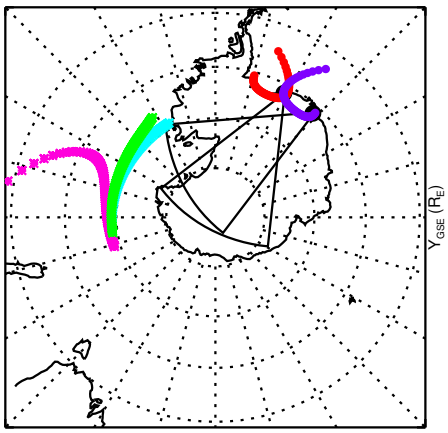


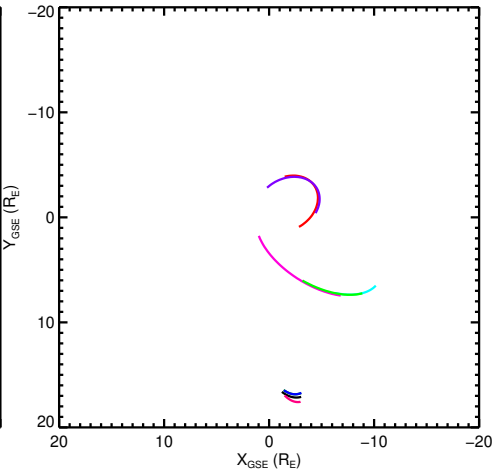


(a) 0215UT to 0805UT
cve fhe gbr wal

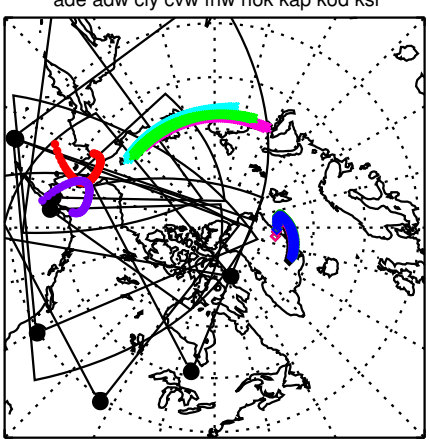


hal san

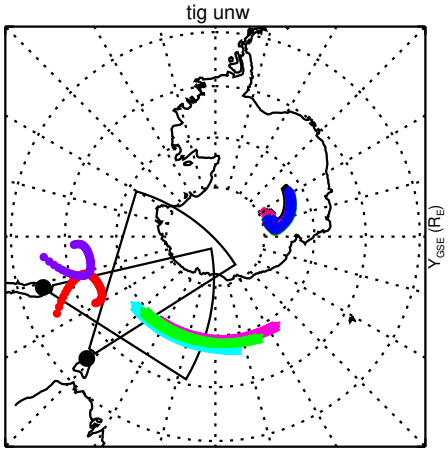


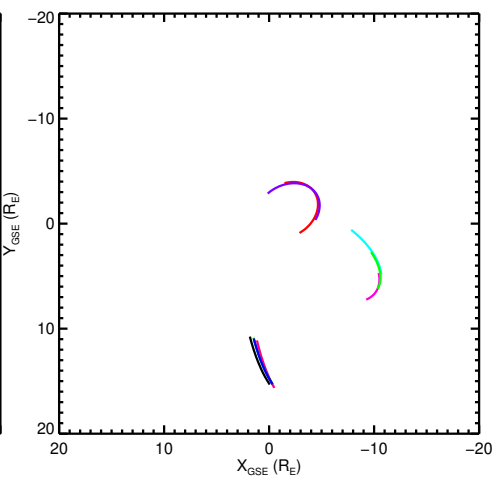


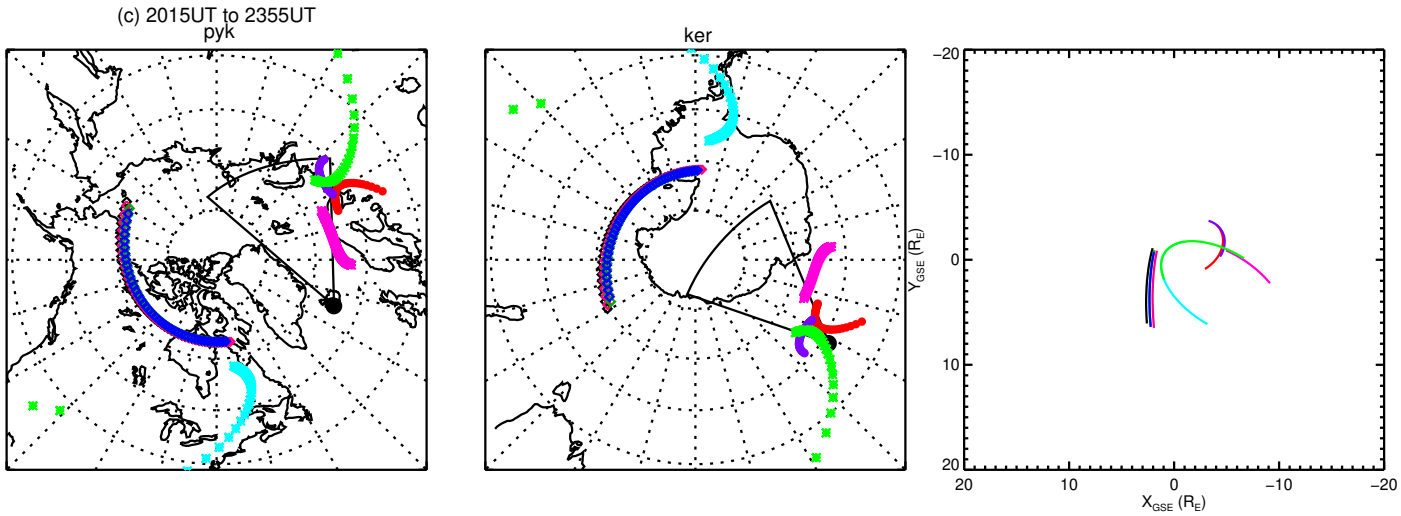
(b) 1115UT to 1705UT
ade adw cly cvw fhw hok kap kod ksr



tig unw



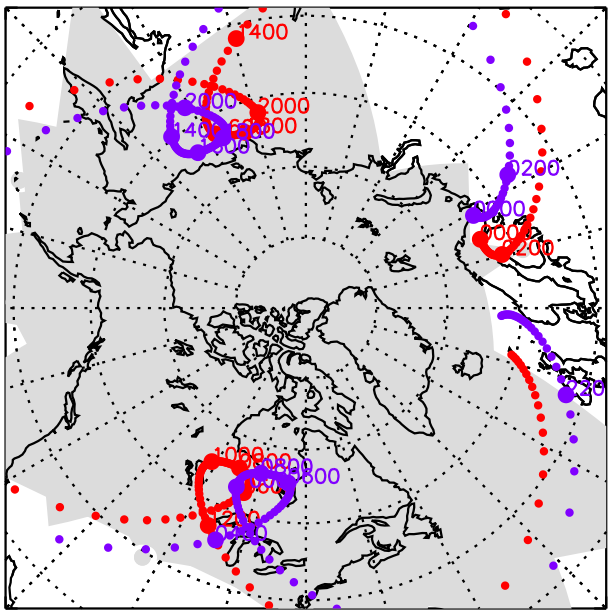


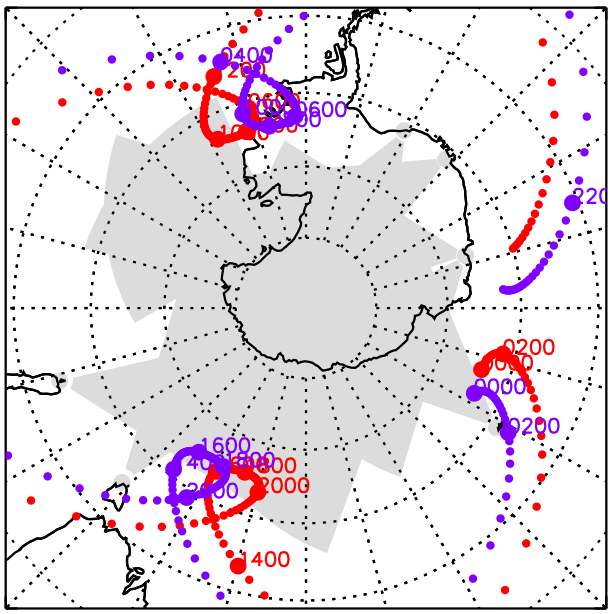

(c) 2015UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

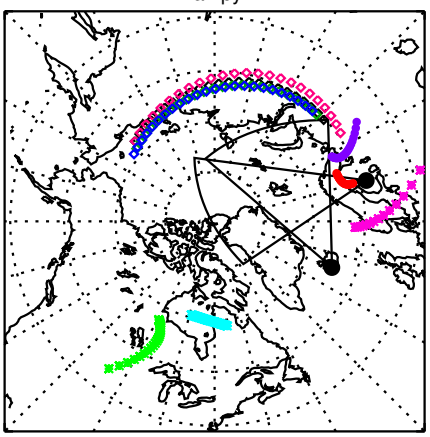
23–Nov–2014

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

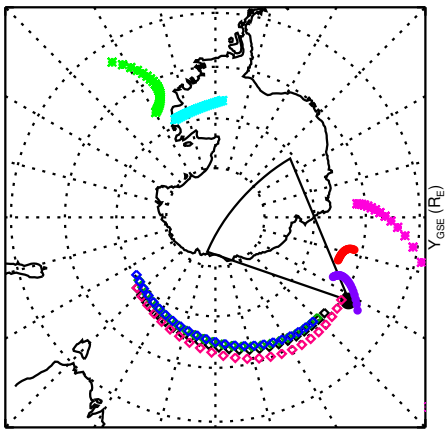


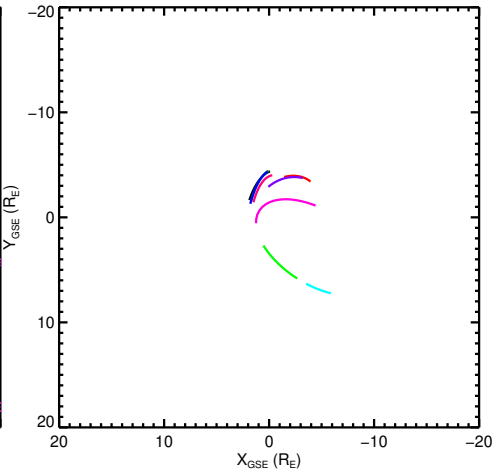


(a) 0000UT to 0205UT
han pyk

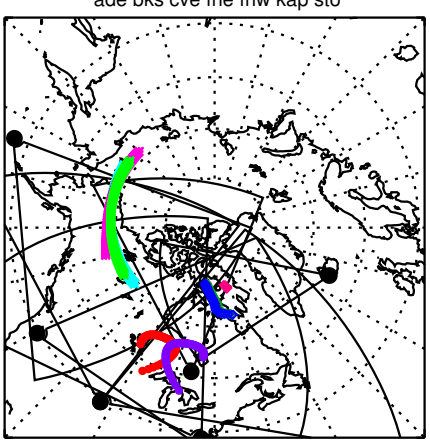


ker

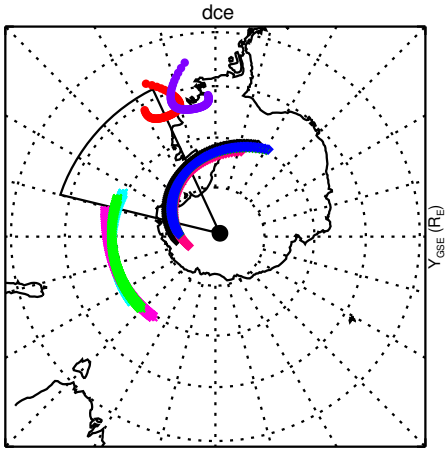


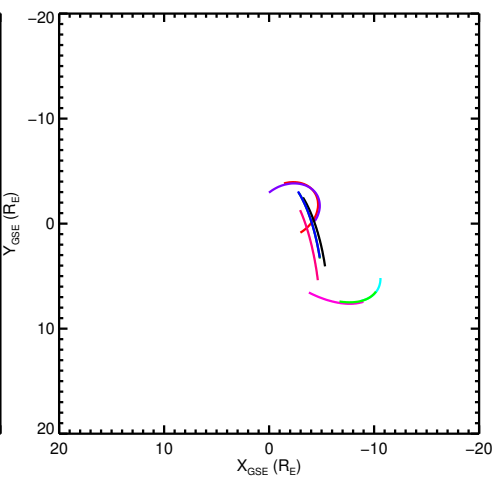


(b) 0515UT to 1105UT
ade bks cve fhe fhw kap sto

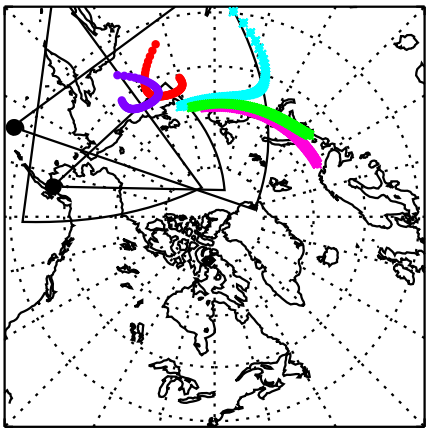


dce

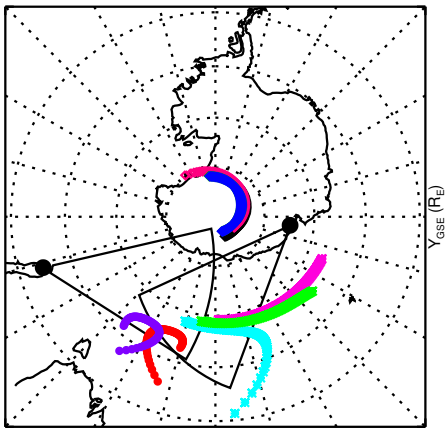


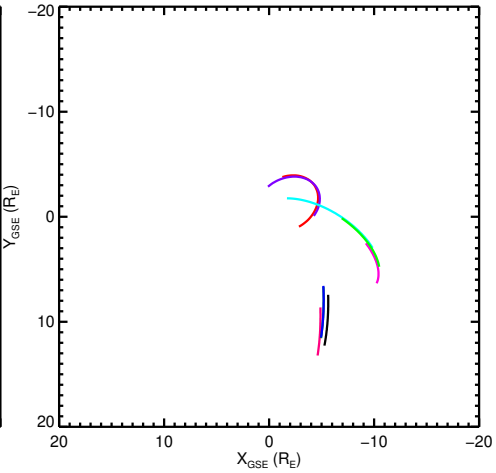


(c) 1410UT to 2010UT
adw hok ksr

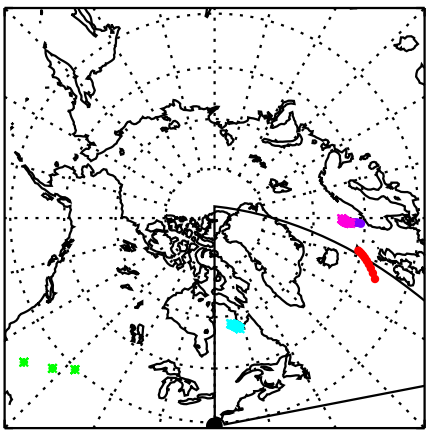


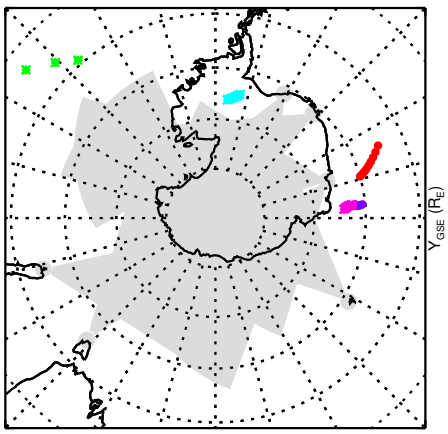
unw zho

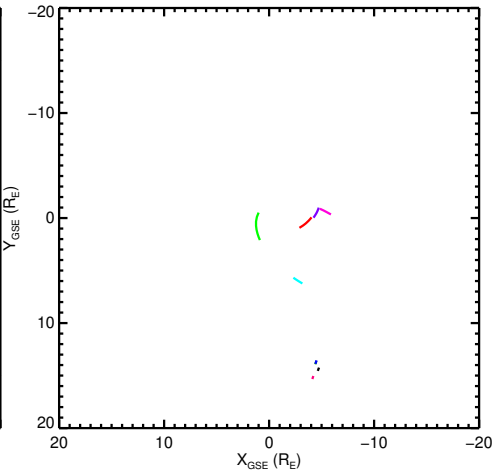




(d) 2310UT to 2355UT
wal



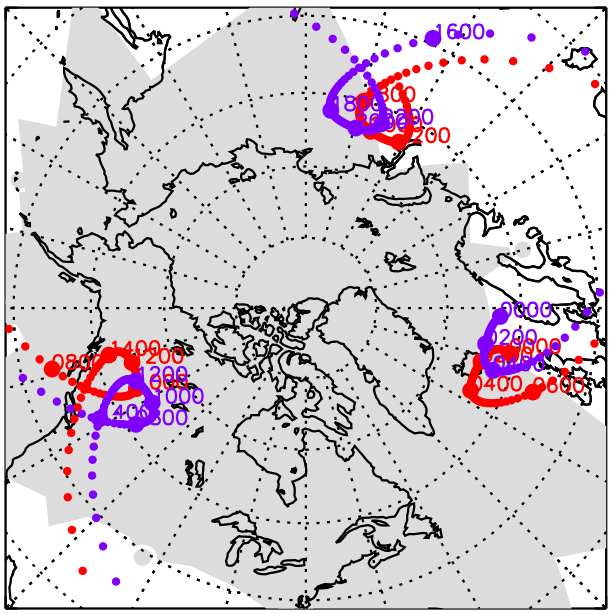


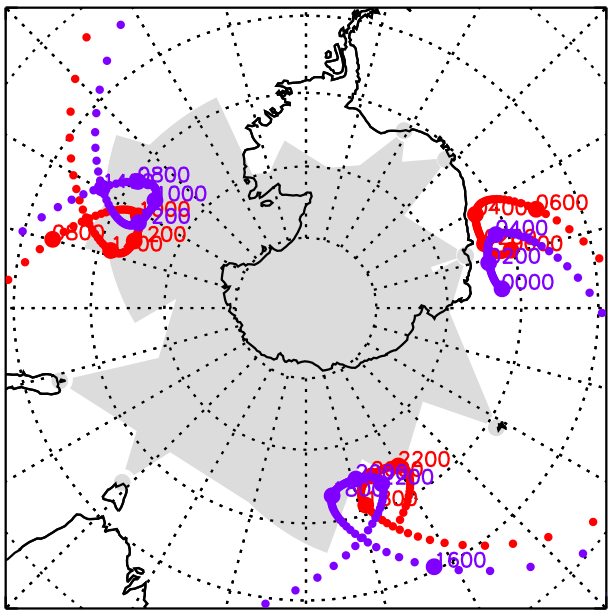


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

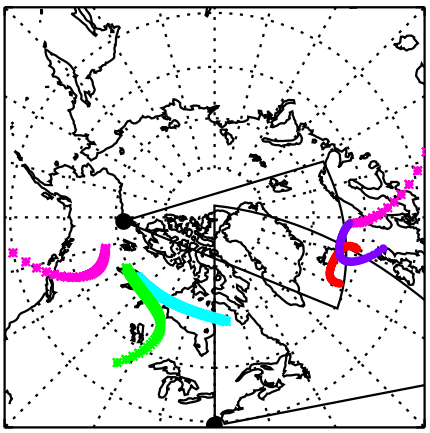
24–Nov–2014

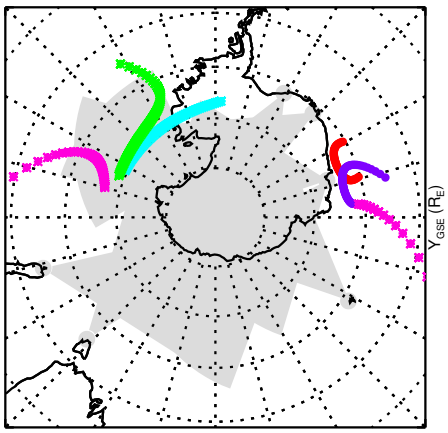
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

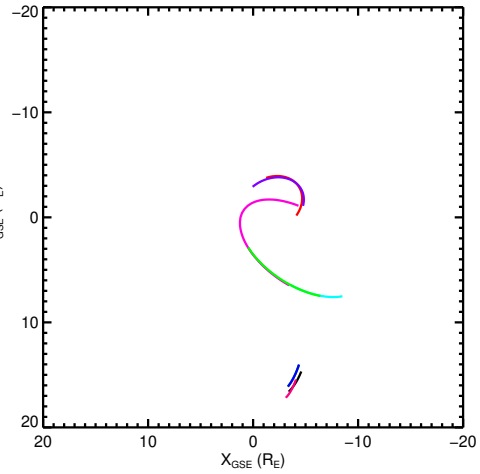




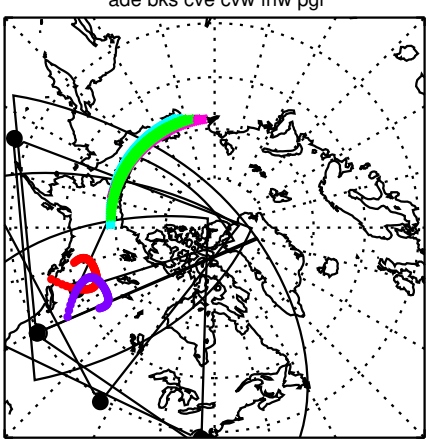
(a) 0000UT to 0510UT
inv wal



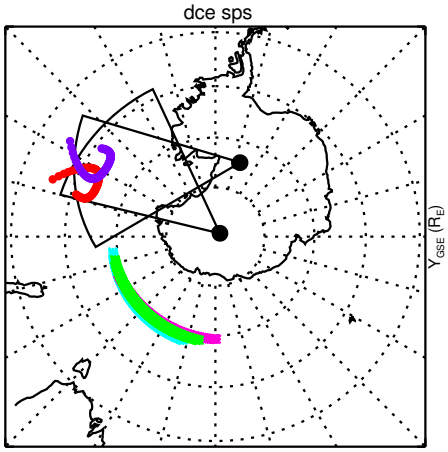


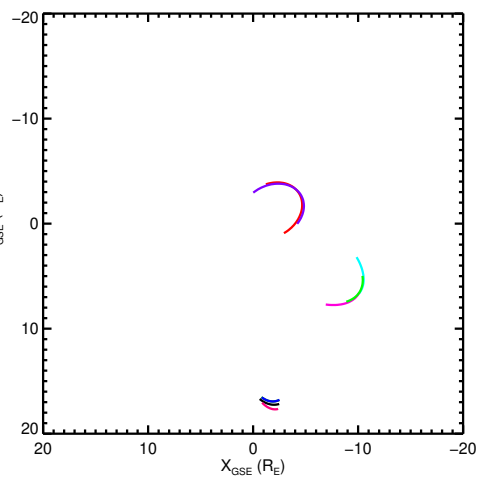


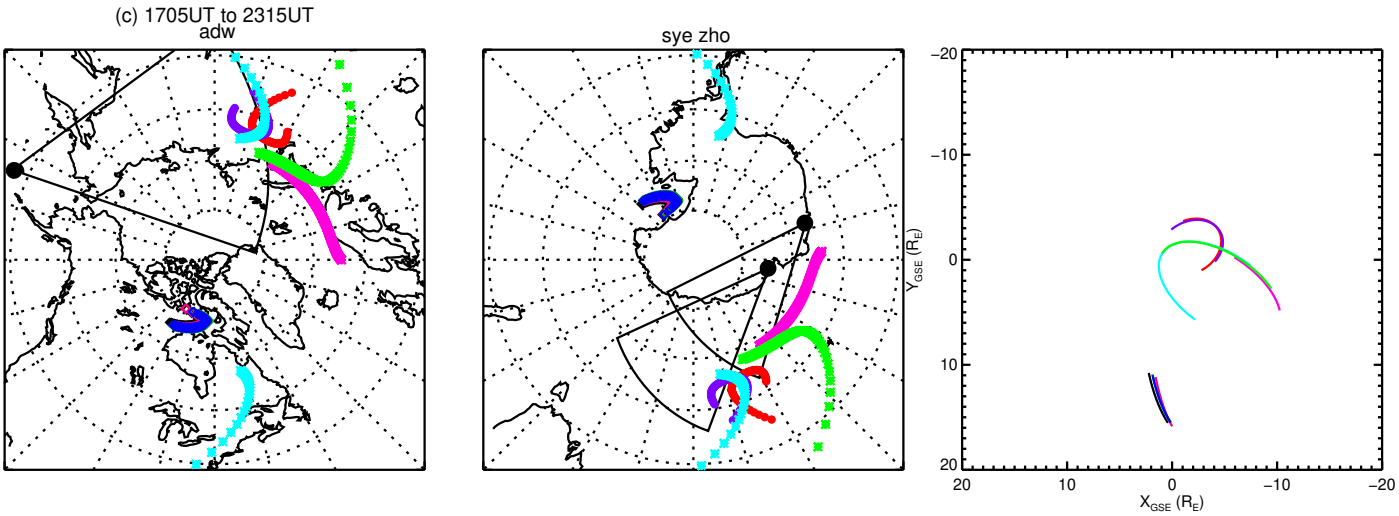
(b) 0810UT to 1410UT
ade bks cve cvw fhw pgr



dce sps



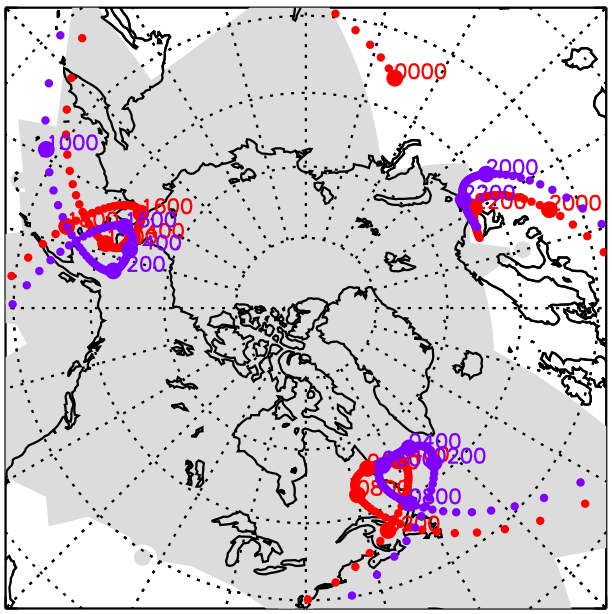


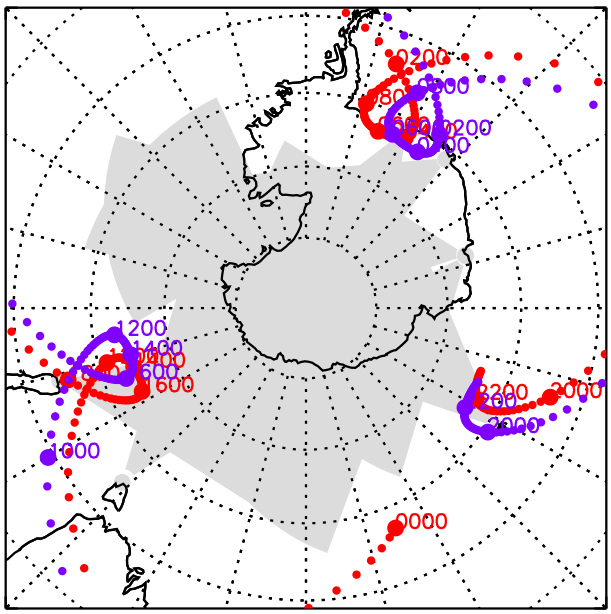

(c) 1705UT to 2315UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

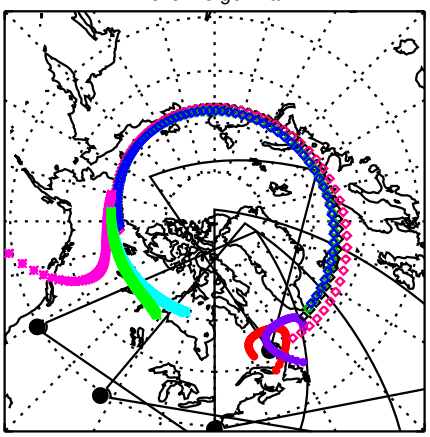
25–Nov–2014

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

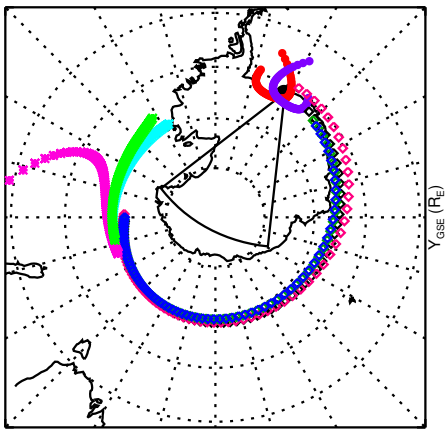


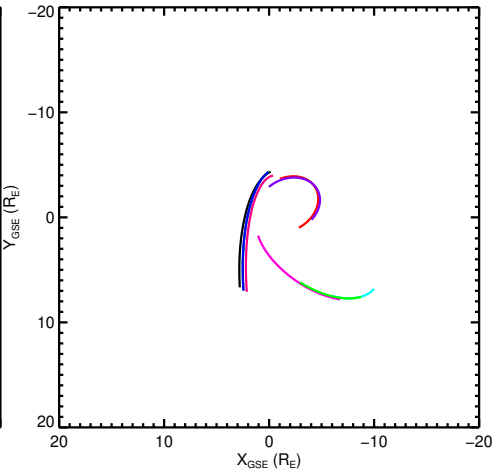


(a) 0205UT to 0815UT
cve fhe gbr wal

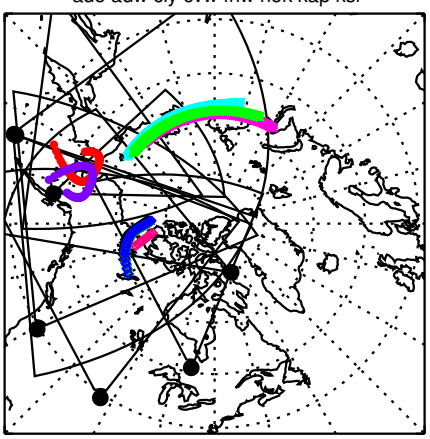


hal

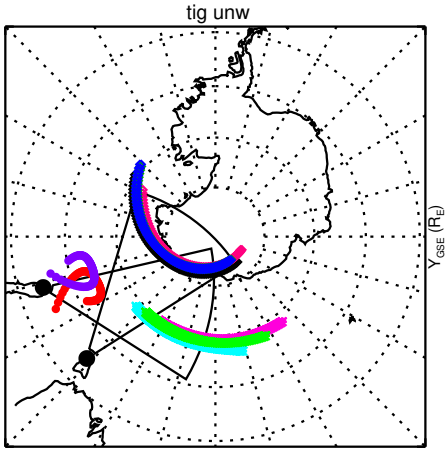


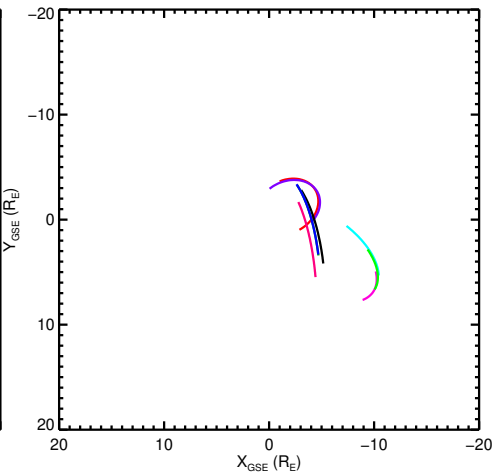


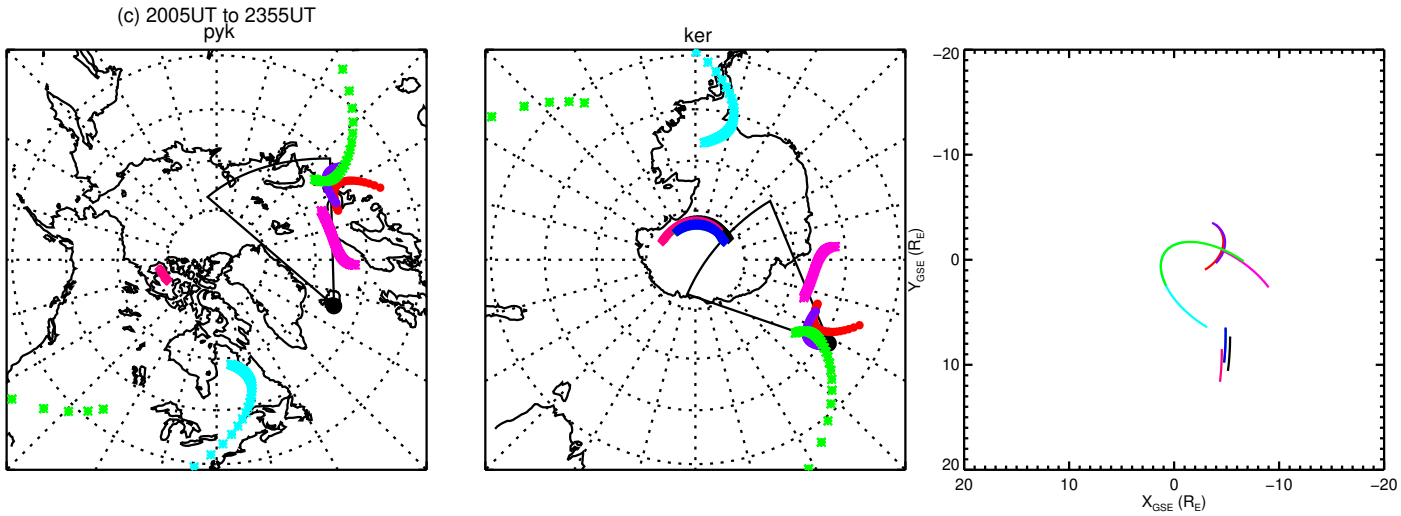
(b) 1105UT to 1715UT
ade adw cly cvw fhw hok kap ksr



tig unw



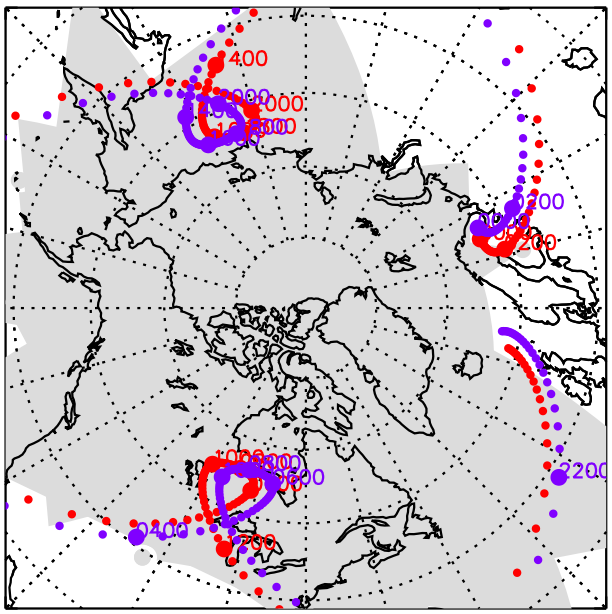


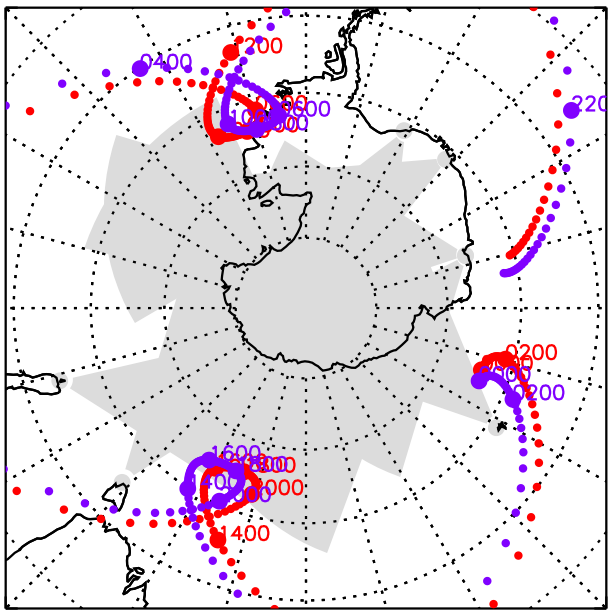

(c) 2005UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

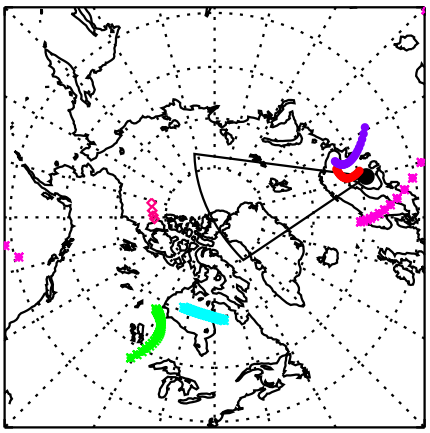
26–Nov–2014

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

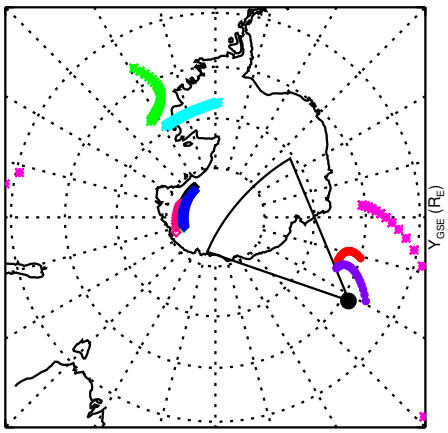


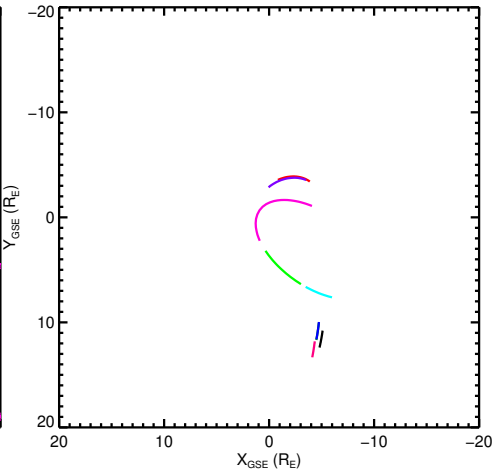


(a) 0000UT to 0220UT
han

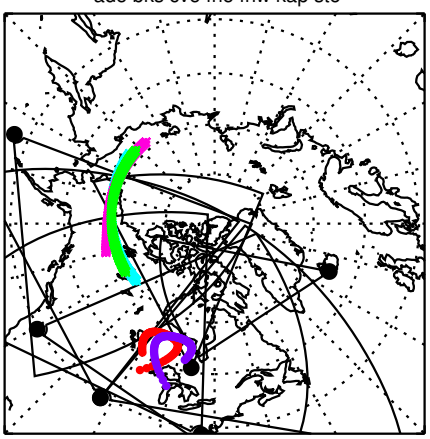


ker

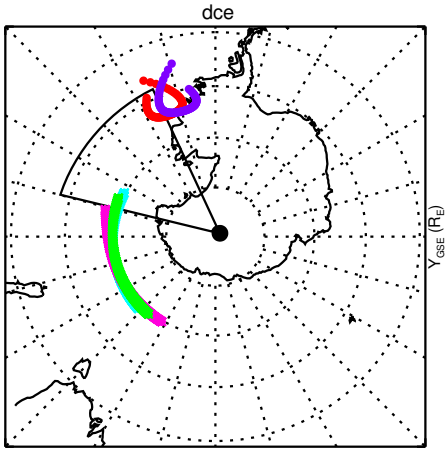


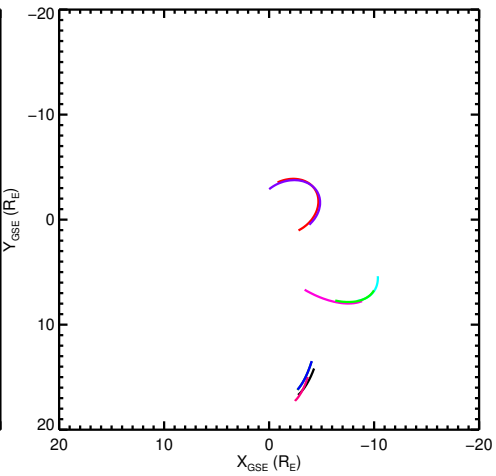


(b) 0500UT to 1120UT
ade bks cve fhe fhw kap sto

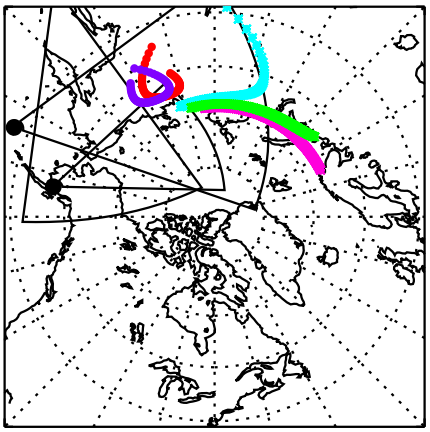


dce

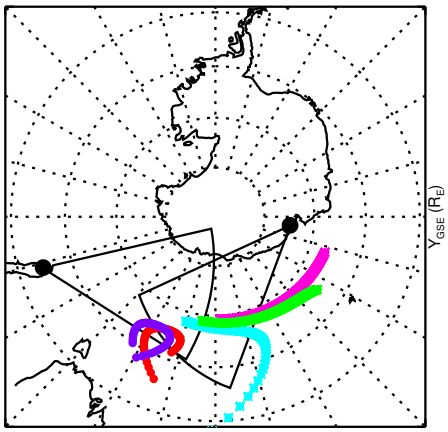


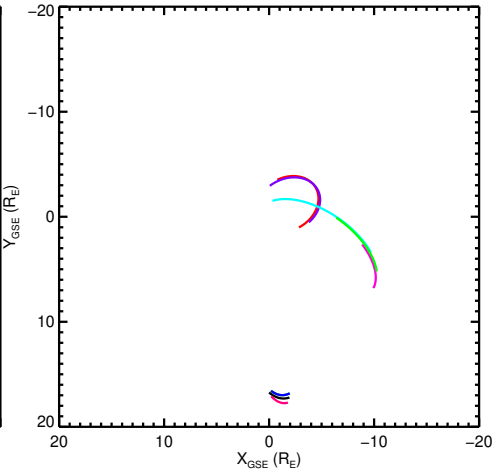


(c) 1400UT to 2020UT
adw hok ksr

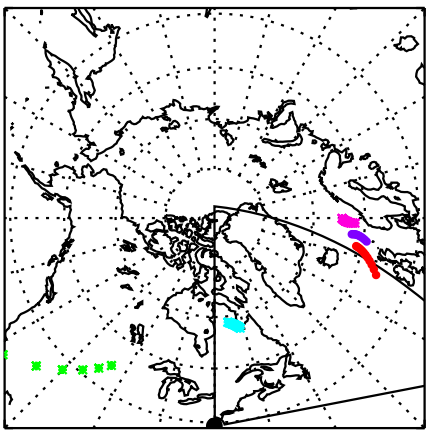


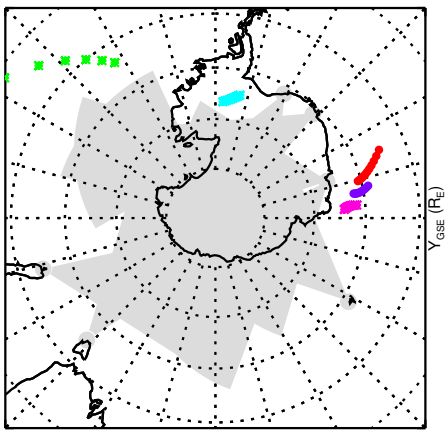
unw zho

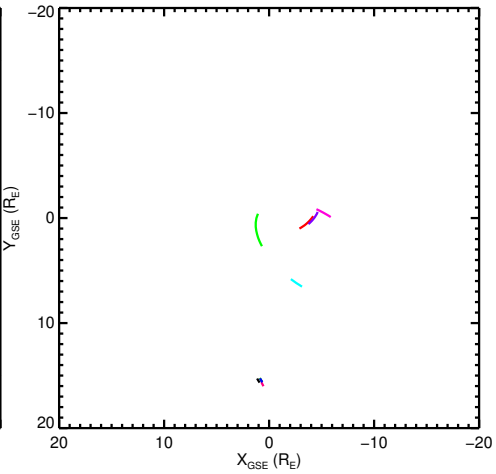




(d) 2300UT to 2355UT
wal



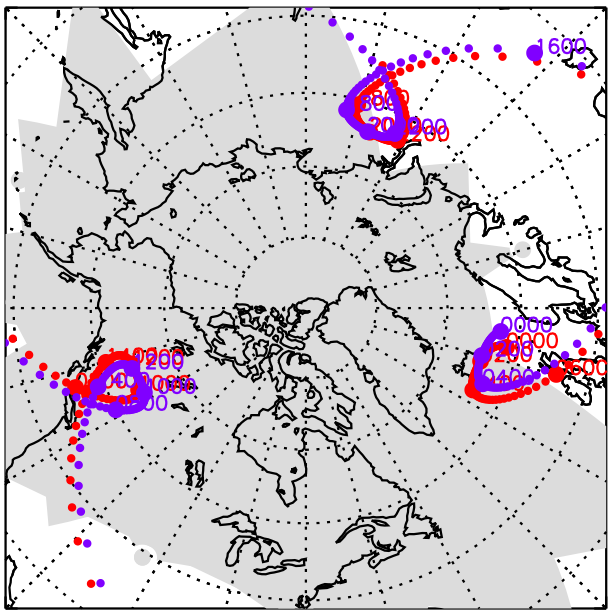


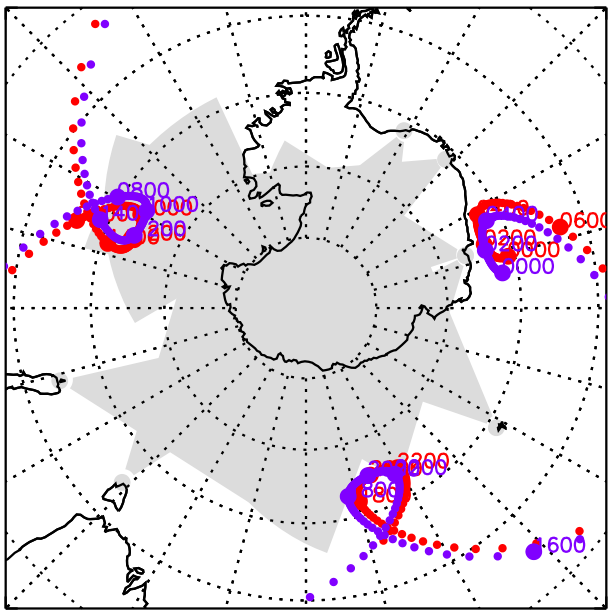


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

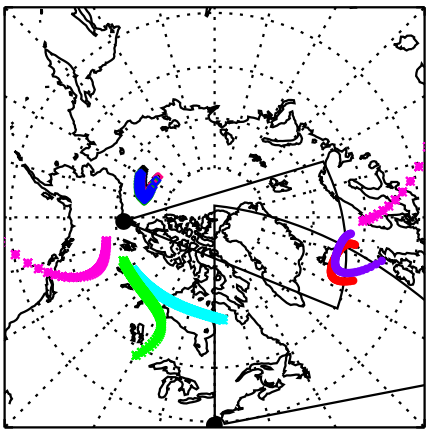
27−Nov−2014

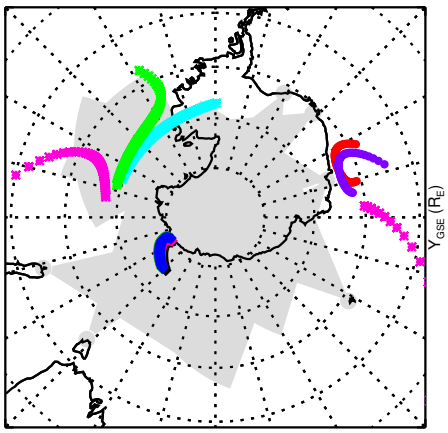
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

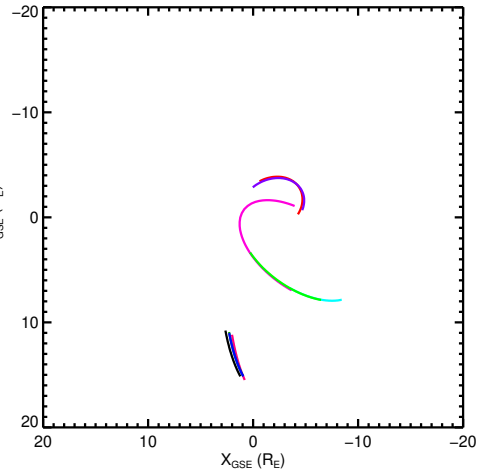




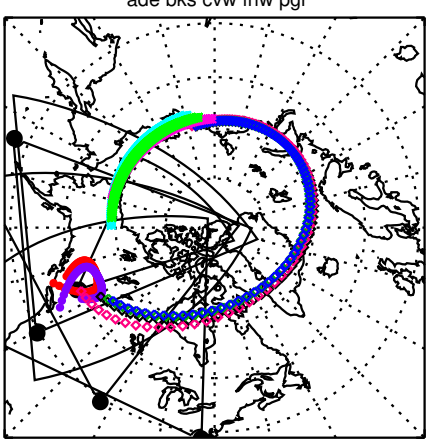
(a) 0000UT to 0525UT
inv wal



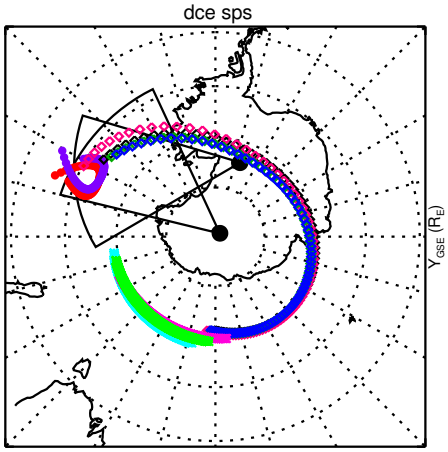


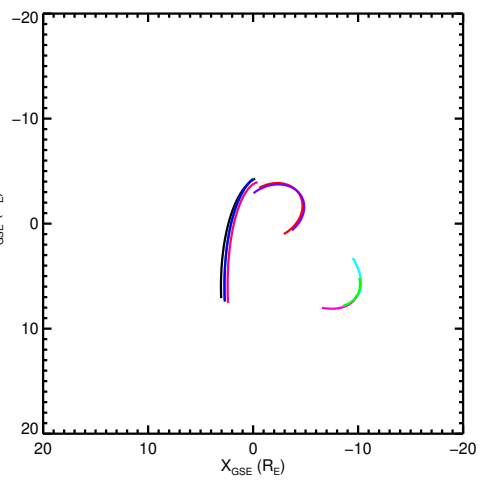


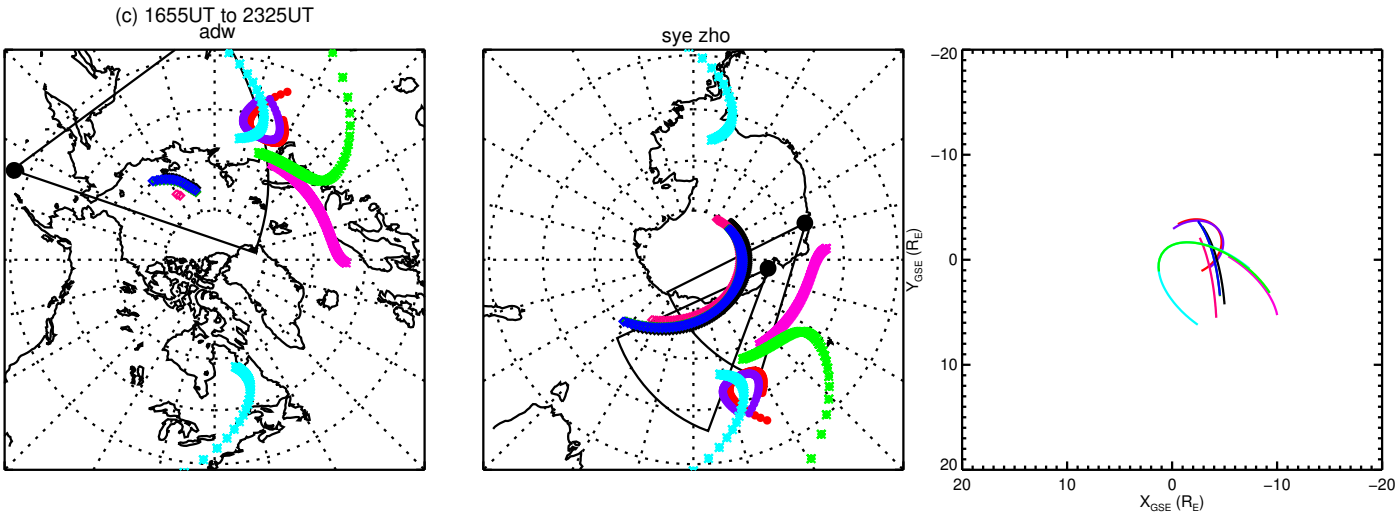
(b) 0800UT to 1425UT
ade bks cvw fhw pgr



dce sps



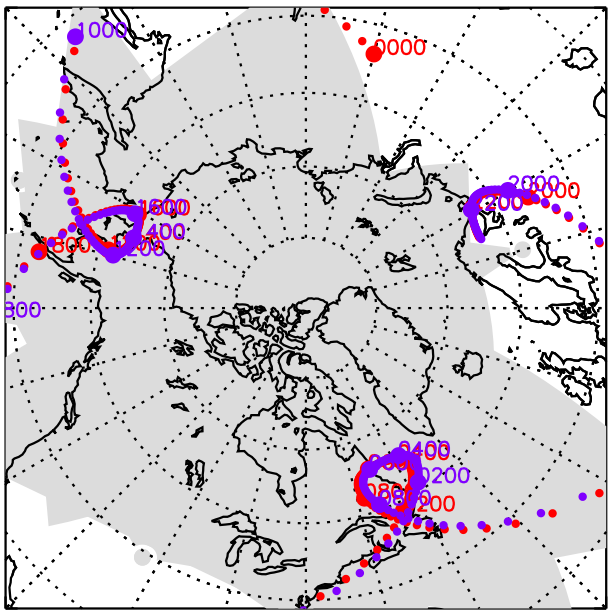


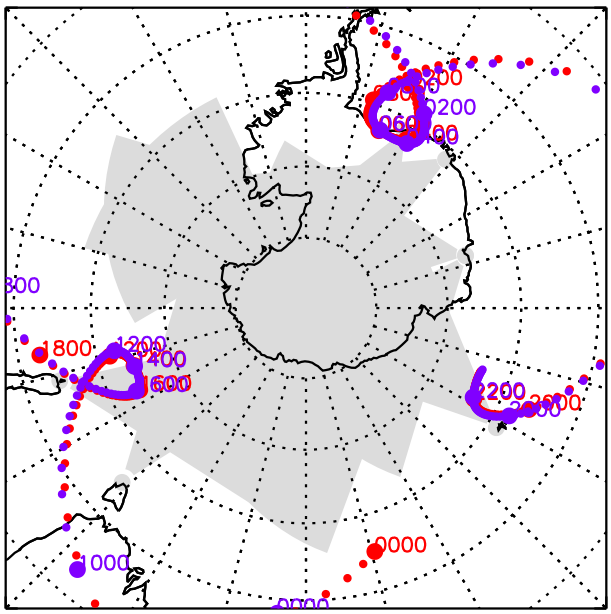

(c) 1655UT to 2325UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

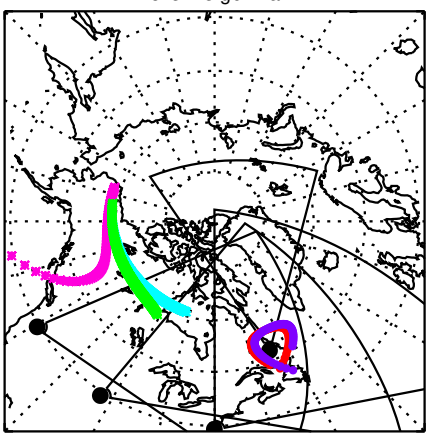
28–Nov–2014

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

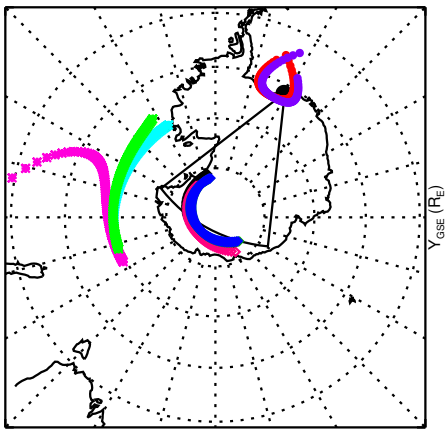


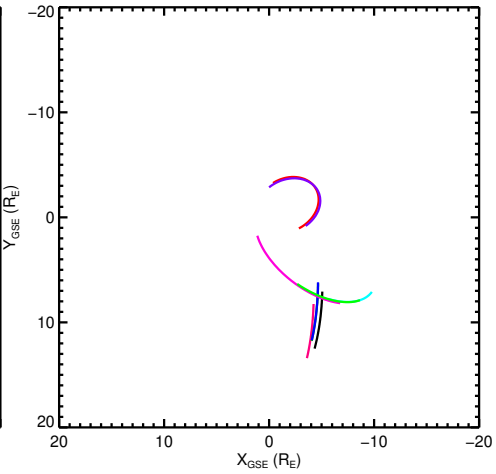


(a) 0155UT to 0830UT
cve fhe gbr wal

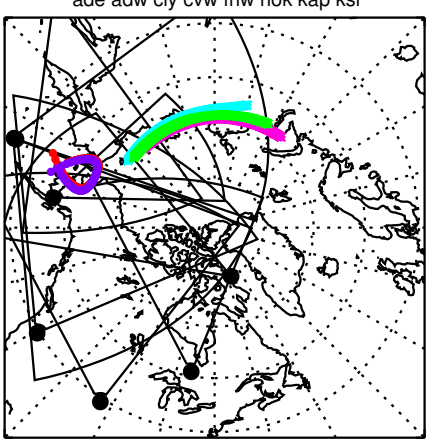


hal

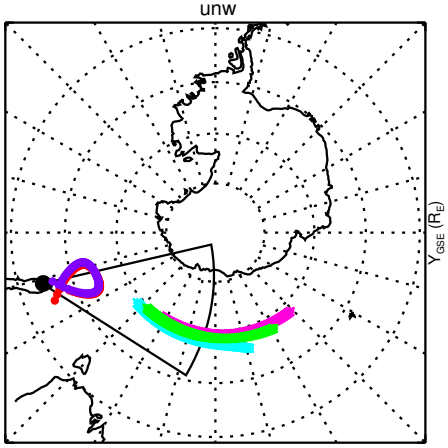


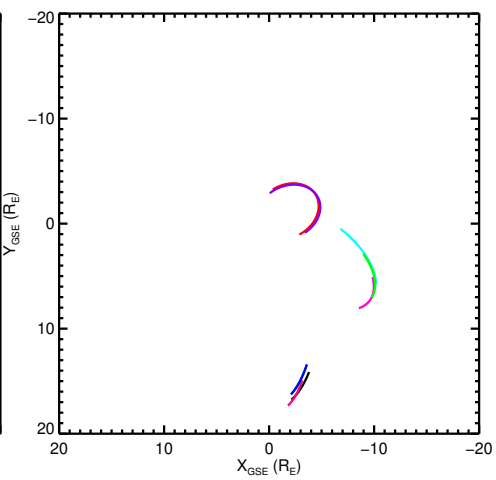


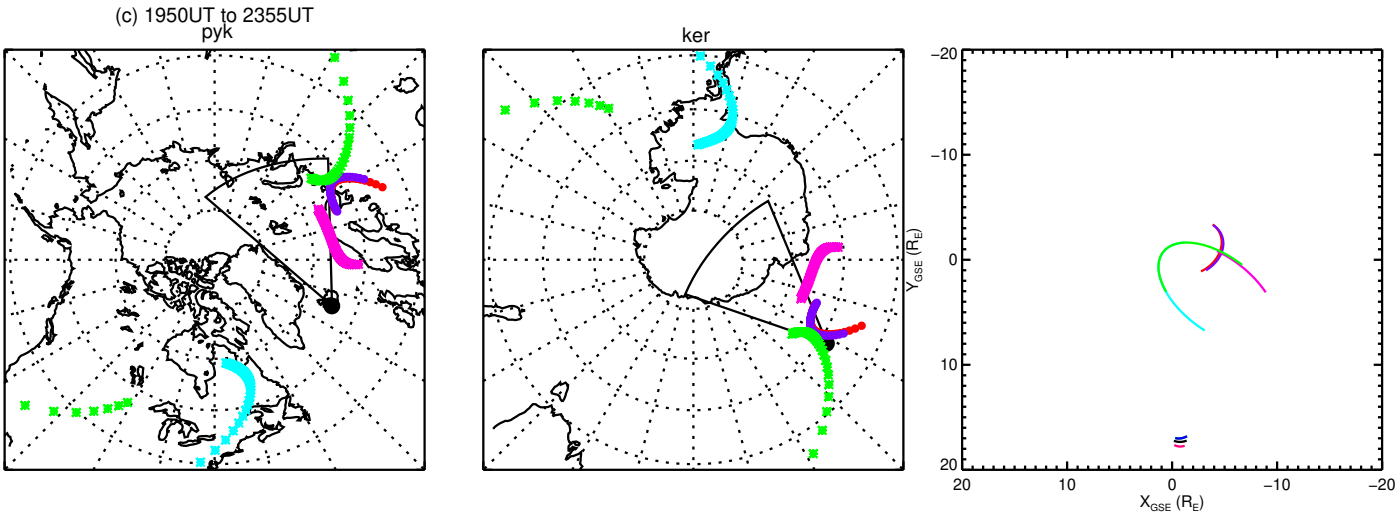
(b) 1055UT to 1730UT
ade adw cly cvw fhw hok kap ksr



unw



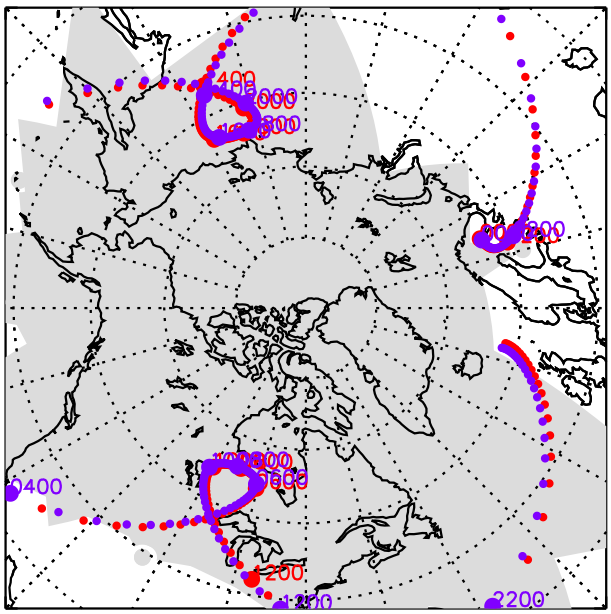


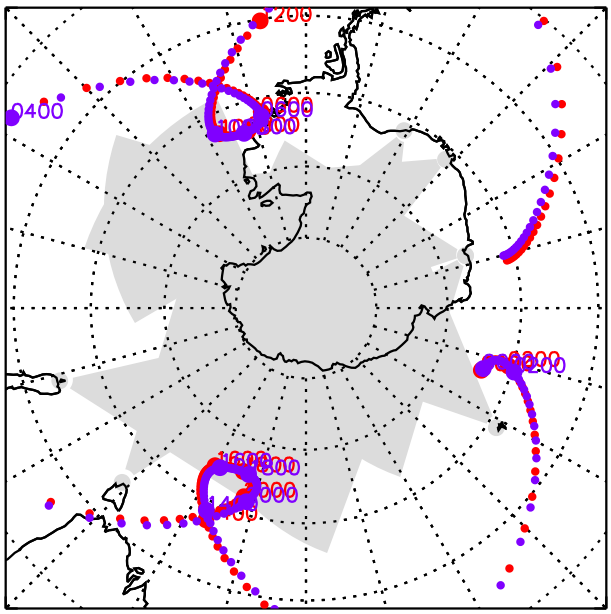

(c) 1950UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

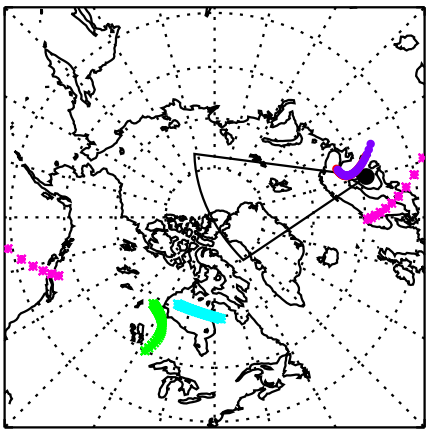
29–Nov–2014

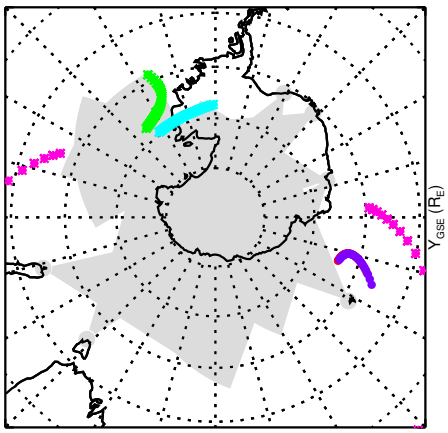
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

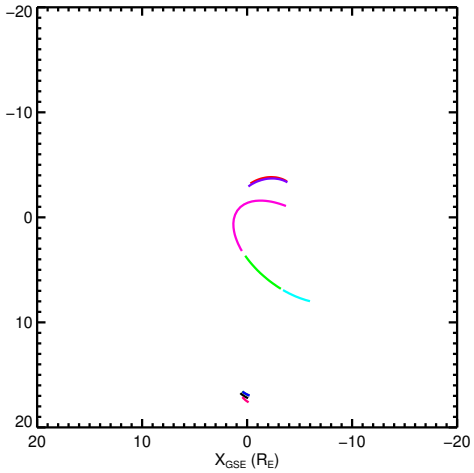




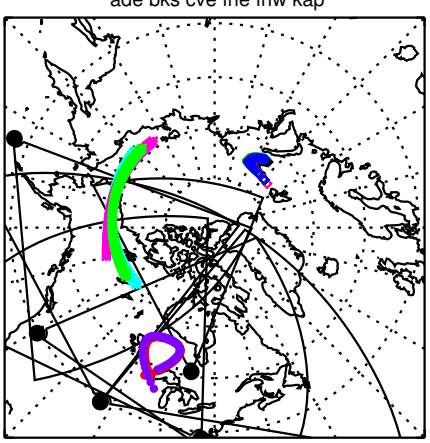
(a) 0000UT to 0230UT
han



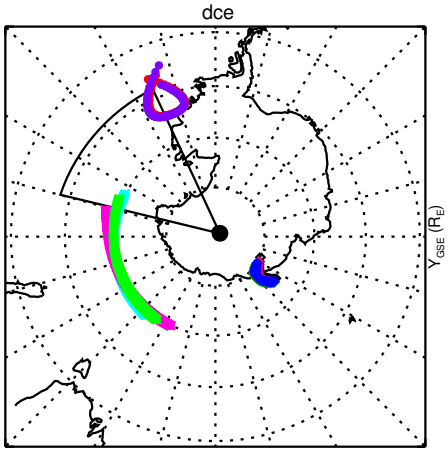


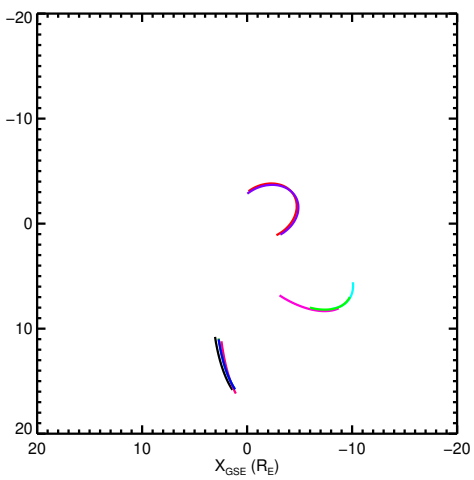


(b) 0450UT to 1135UT
ade bks cve fhe fhw kap

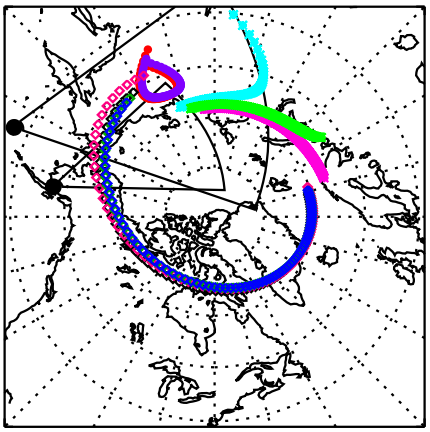


dce

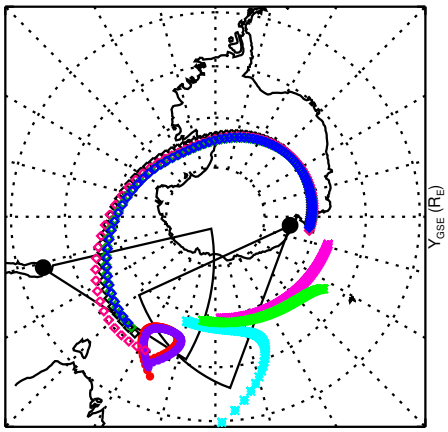


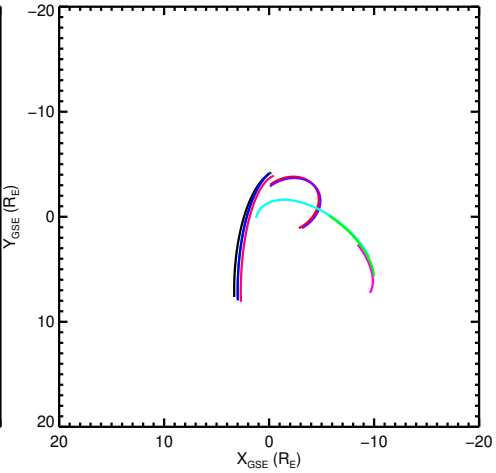


(c) 1350UT to 2035UT
adw ksr

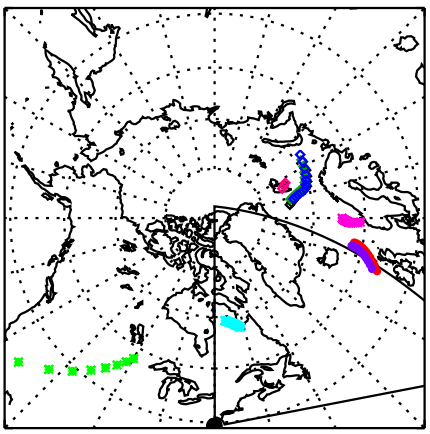


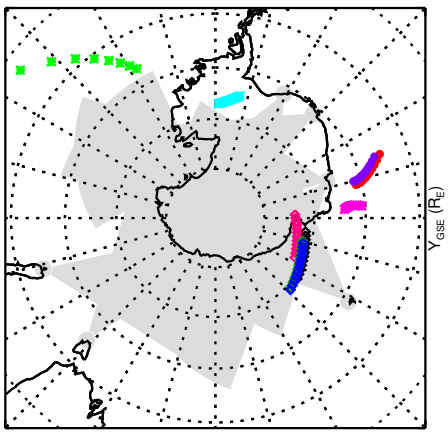
unw zho

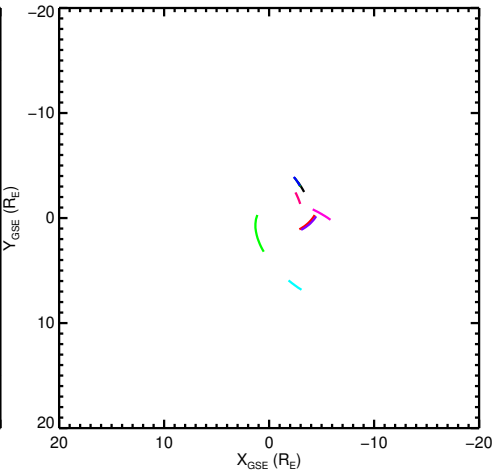




(d) 2250UT to 2355UT
wal



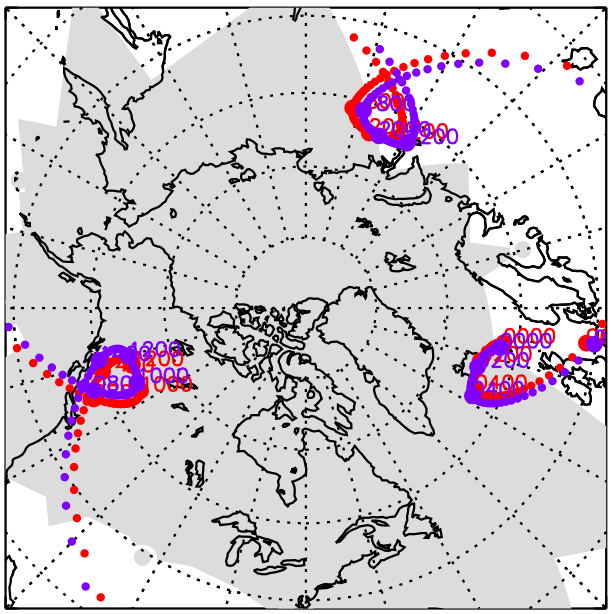


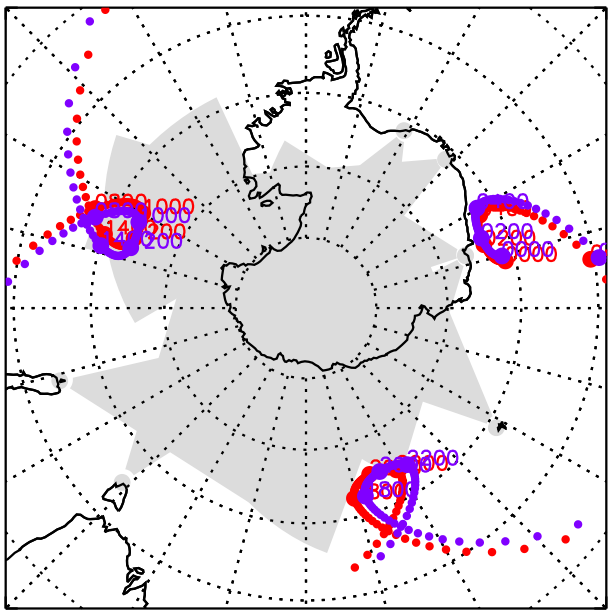


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

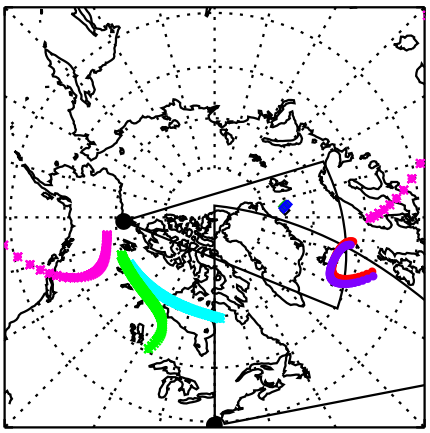
30–Nov–2014

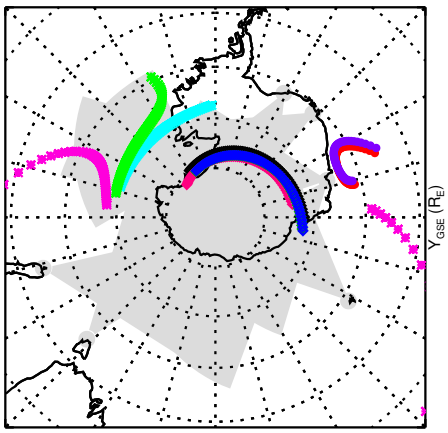
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

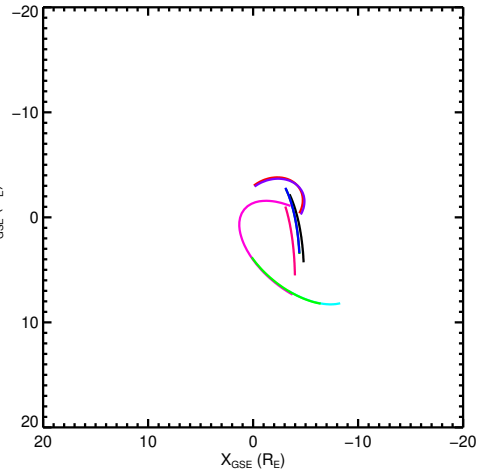




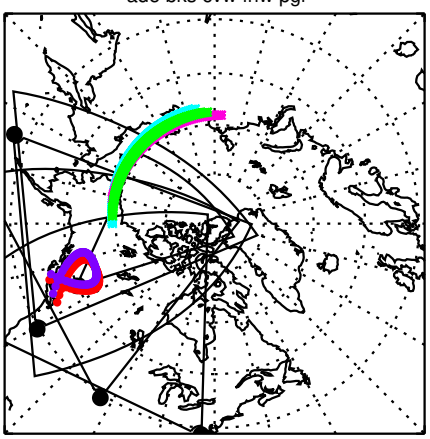
(a) 0000UT to 0535UT
inv wal



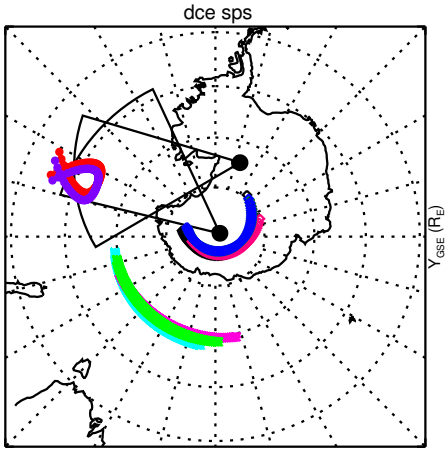


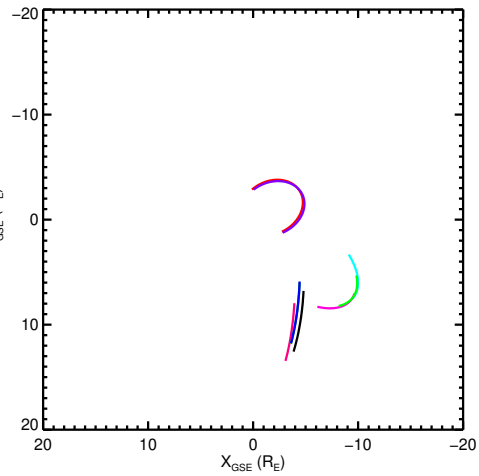


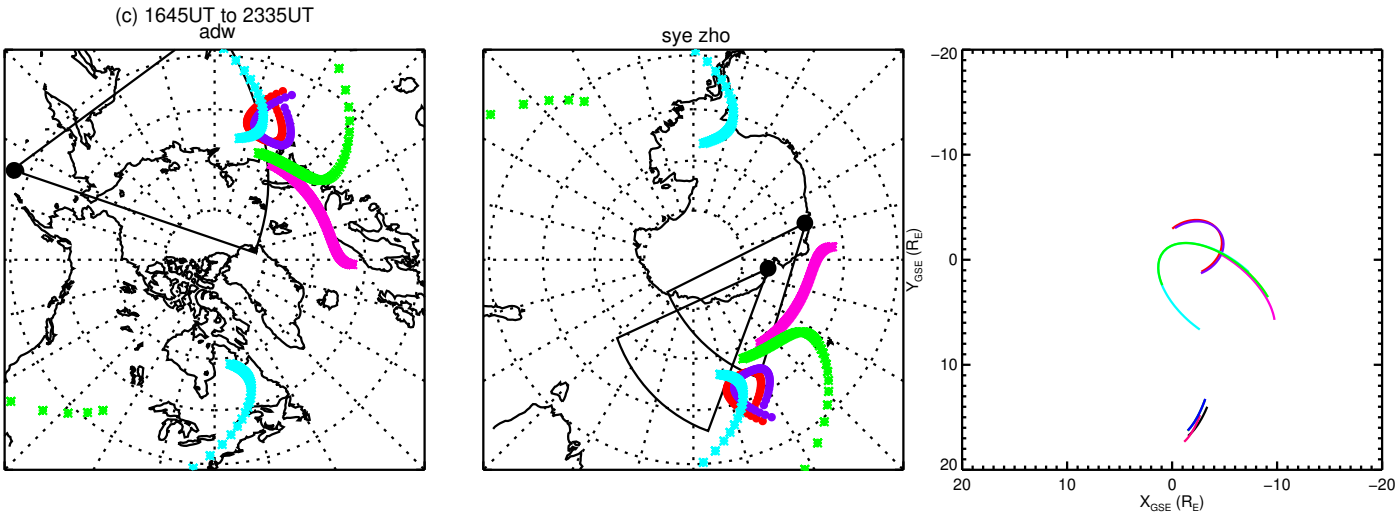
(b) 0745UT to 1440UT
ade bks cvw fhw pgr



dce sps






(c) 1645UT to 2335UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)