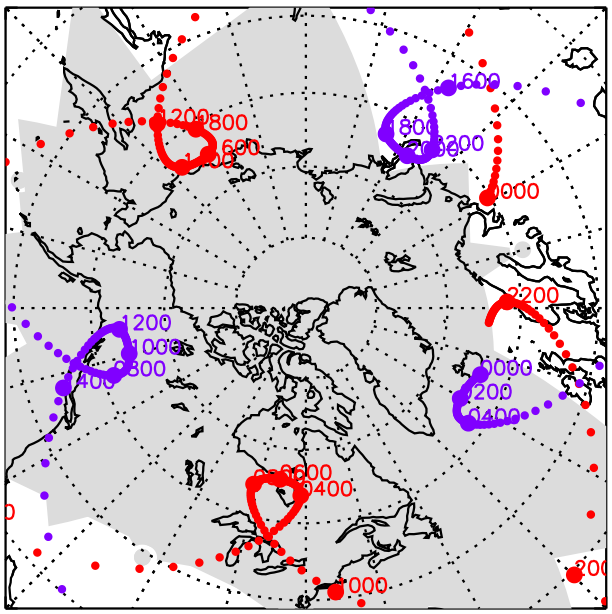
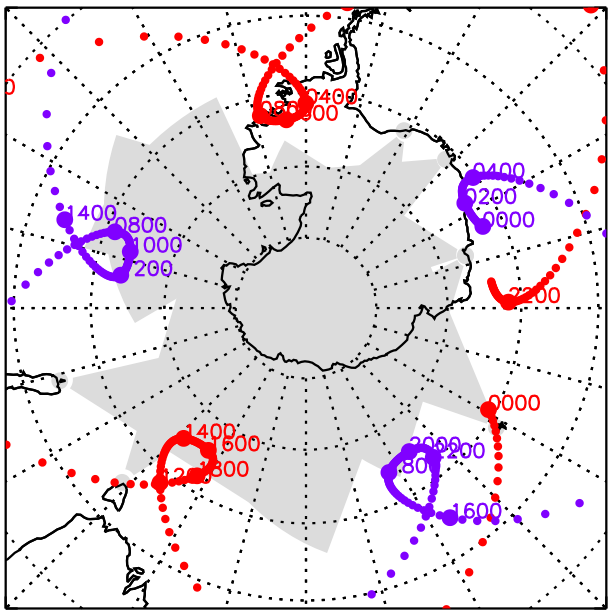
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

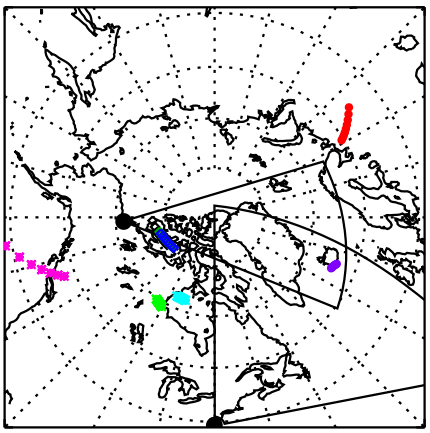
01–Jan–2015

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





(a) 0000UT to 0040UT
inv wal



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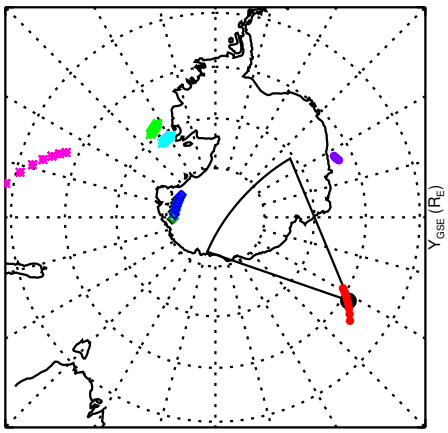
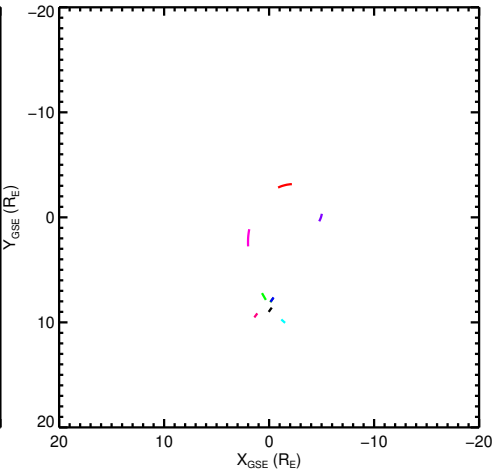
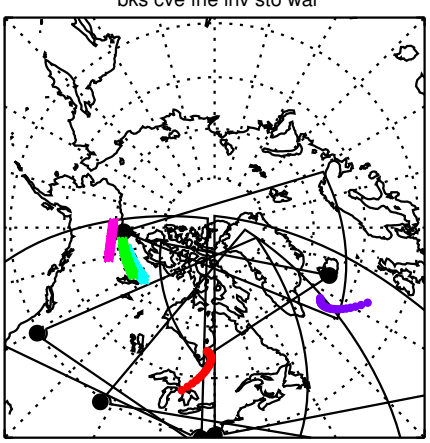
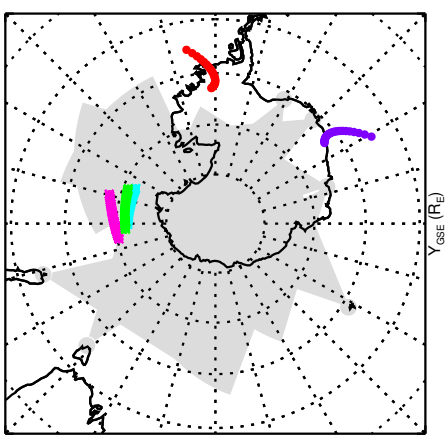
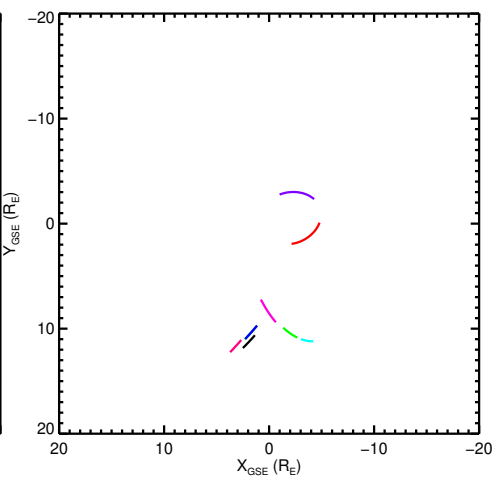




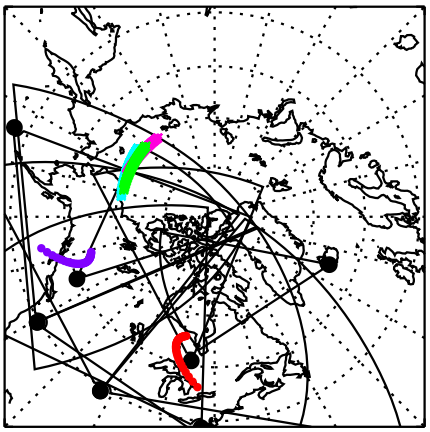
(b) 0245UT to 0455UT
bks cve fhe inv sto wal



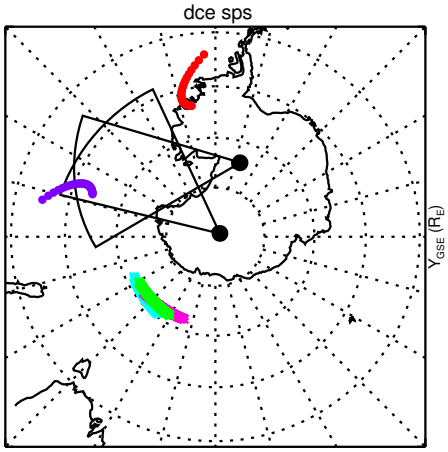


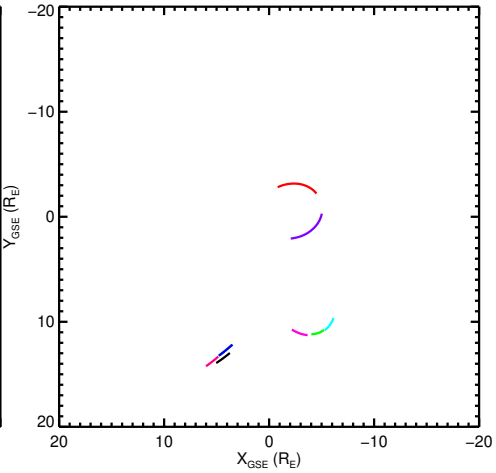


(c) 0700UT to 0940UT
ade bks cve cvw fhe fhw kap pgr sto

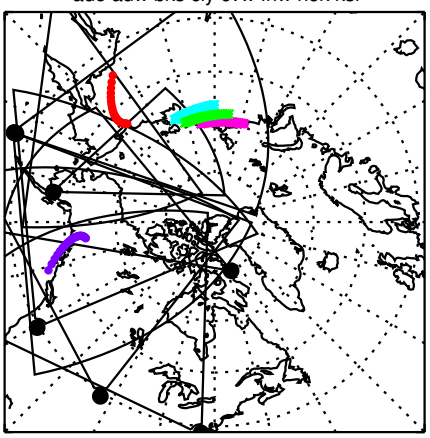


dce sps

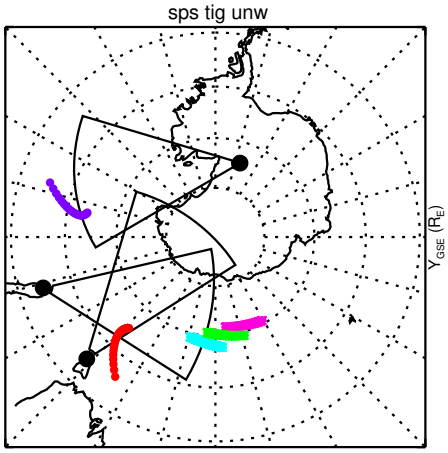


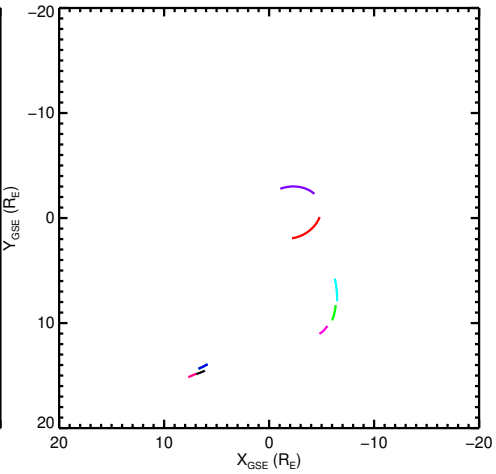


(d) 1145UT to 1355UT
ade adw bks cly cvw fhw hok ksr

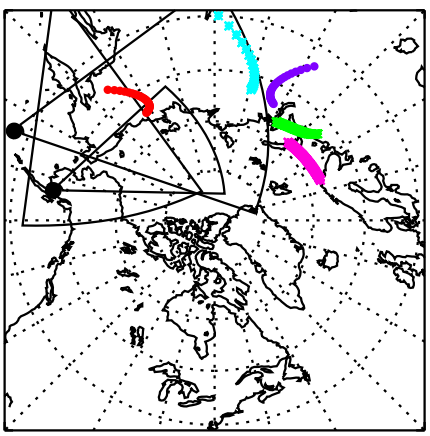


sps tig unw

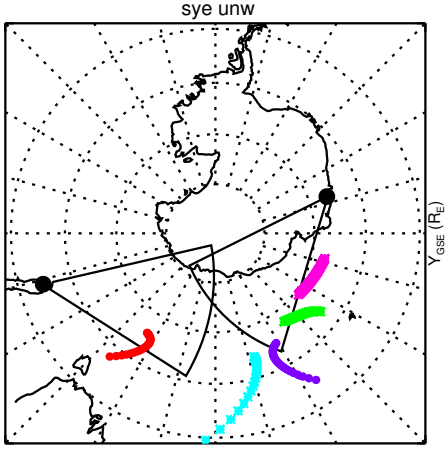


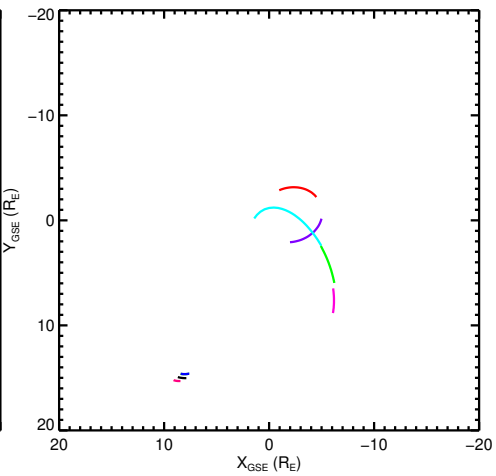


(e) 1600UT to 1835UT
adw hok ksr

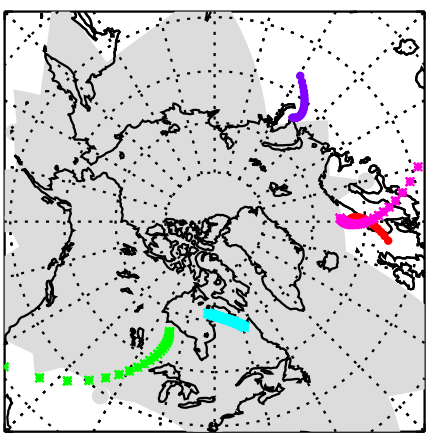


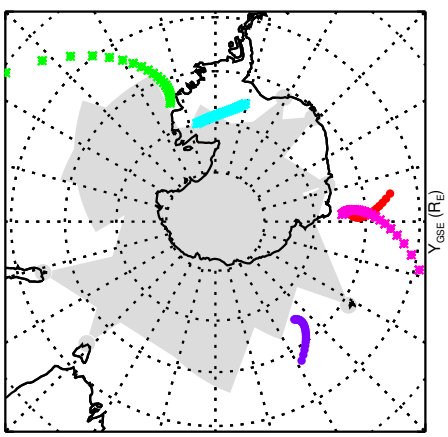
sye unw

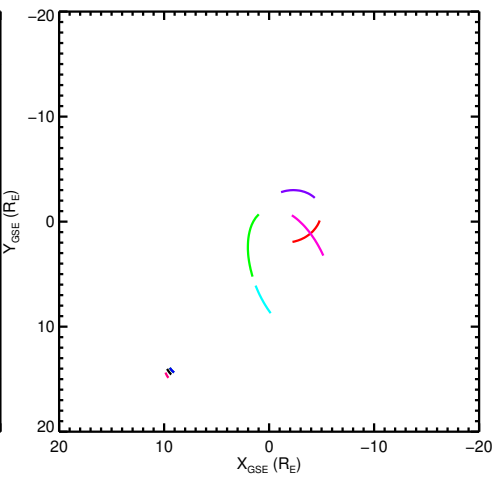




(f) 2045UT to 2255UT



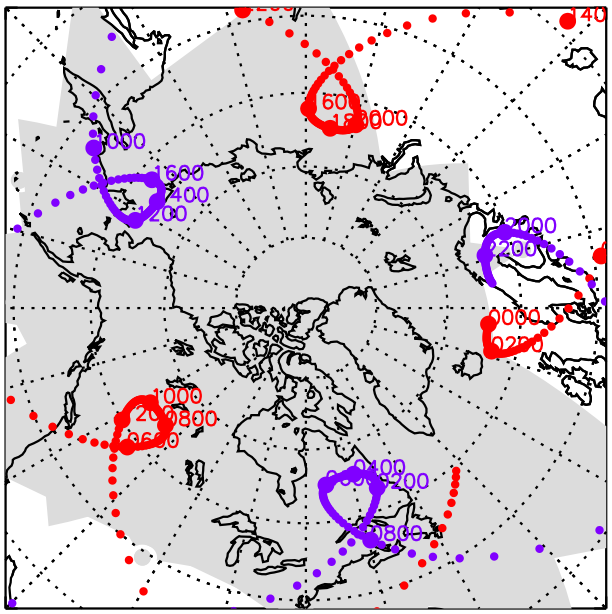


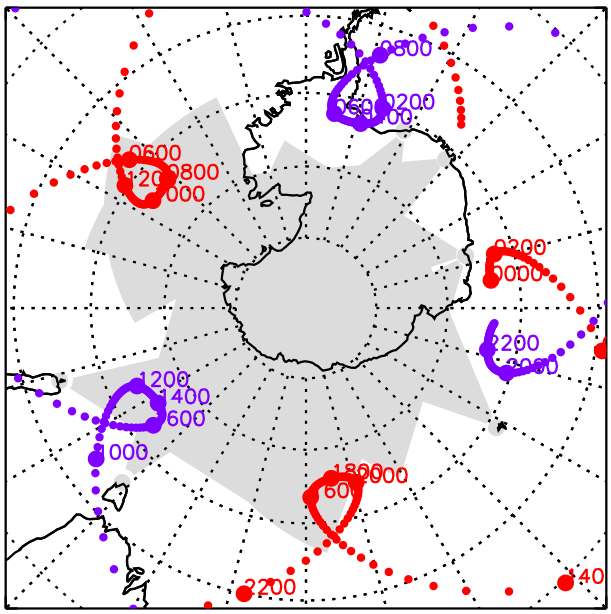


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

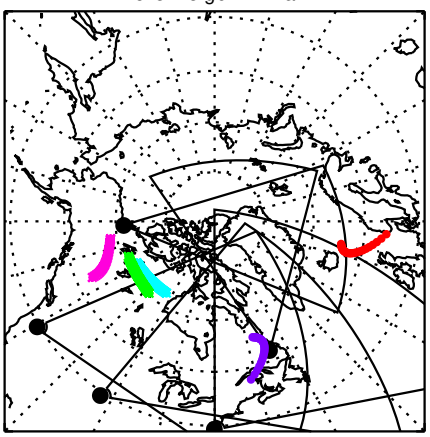
02–Jan–2015

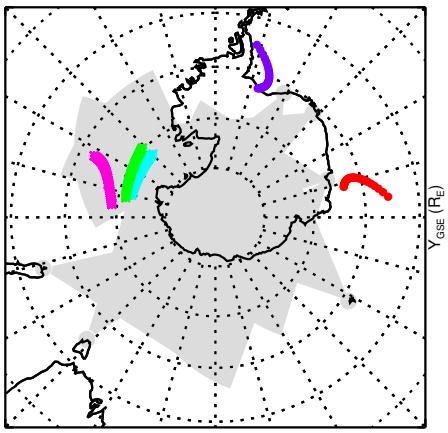
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

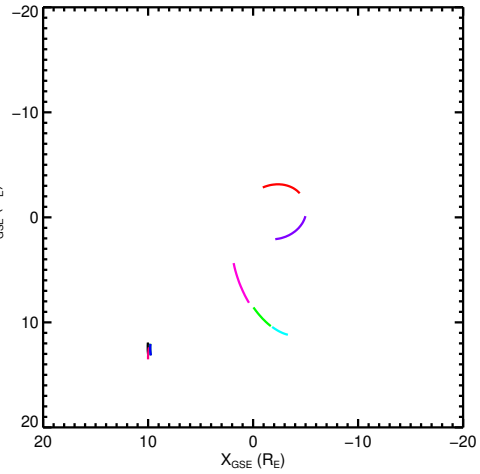




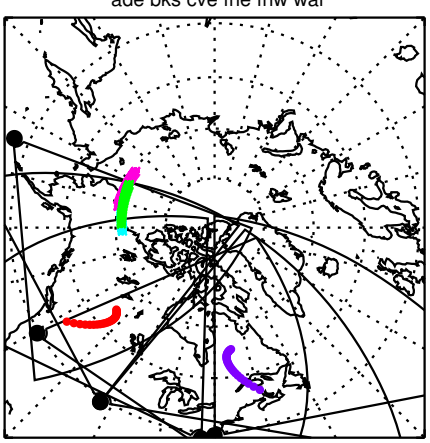
(a) 0105UT to 0335UT
cve fhe gbr inv wal



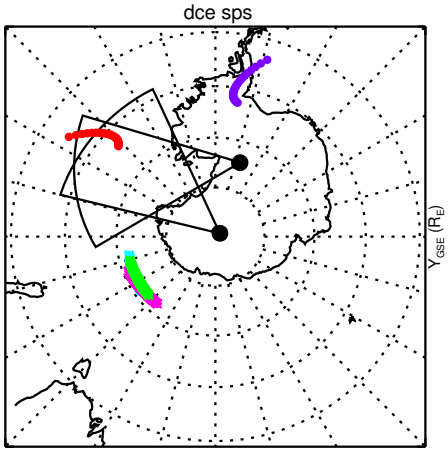


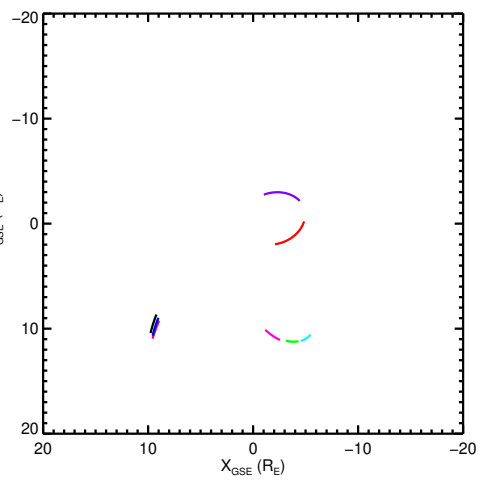


(b) 0540UT to 0800UT
ade bks cve fhe fhw wal

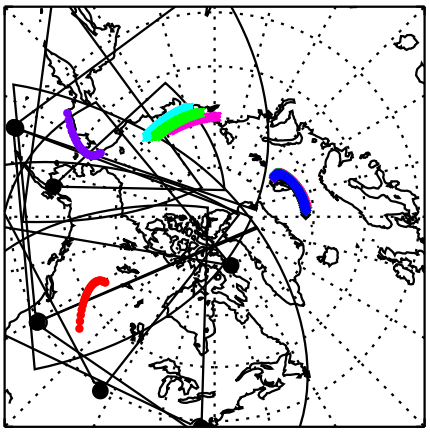


dce sps

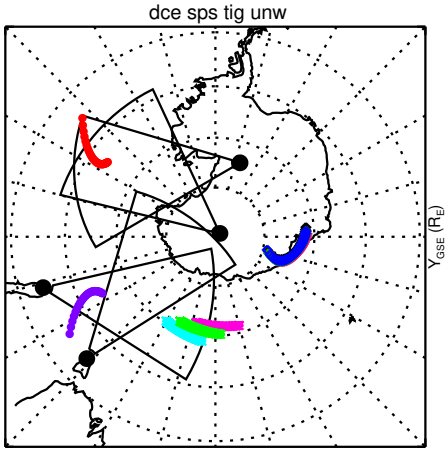


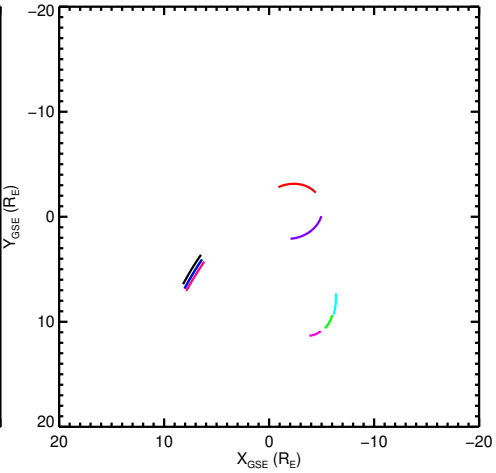


(c) 1005UT to 1235UT
ade adw bks cly cve cvw fhw hok ksr

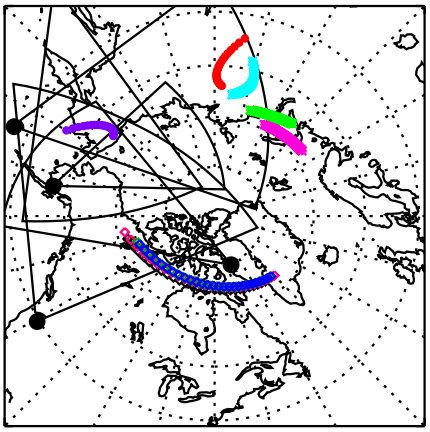


dce sps tig unw

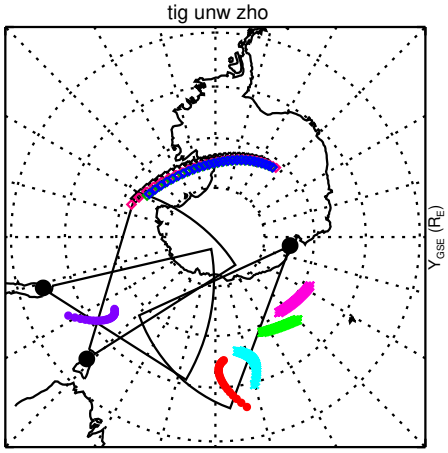


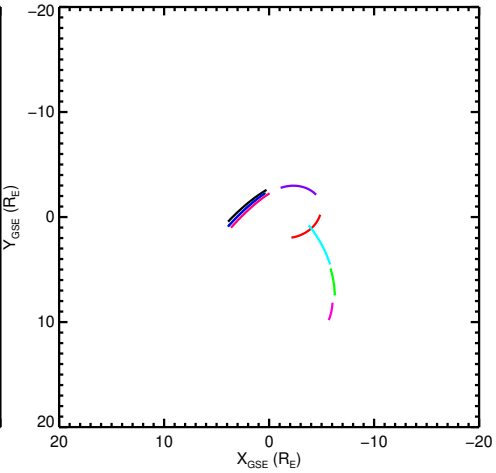


(d) 1440UT to 1700UT
adw cly cvw hok ksr

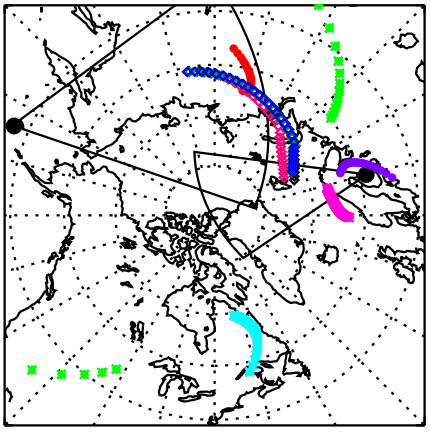


tig unw zho





(e) 1905UT to 2130UT
adw han



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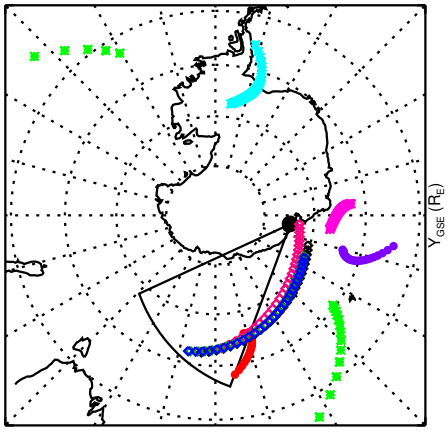
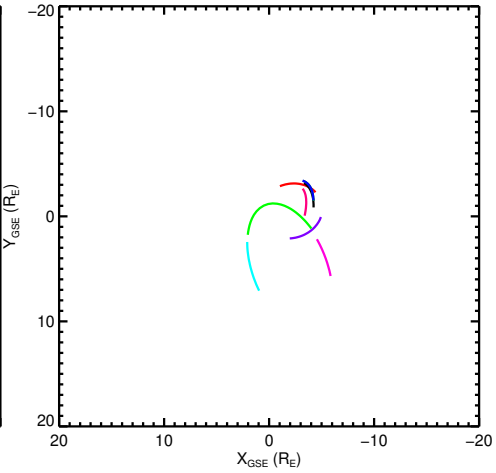
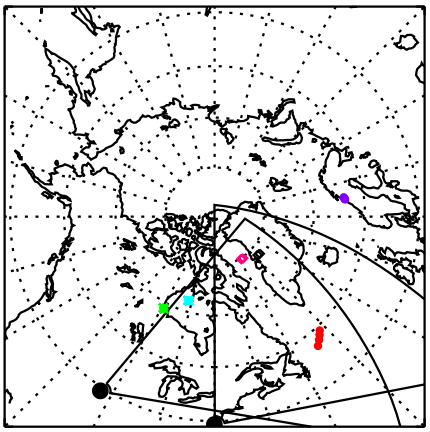
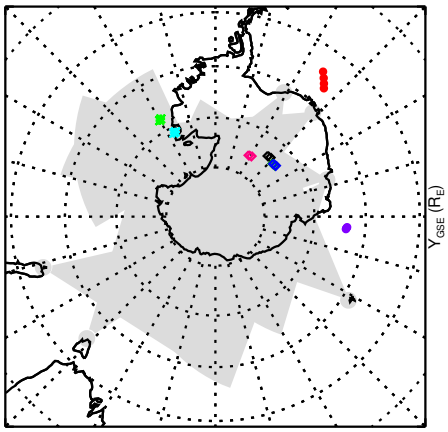
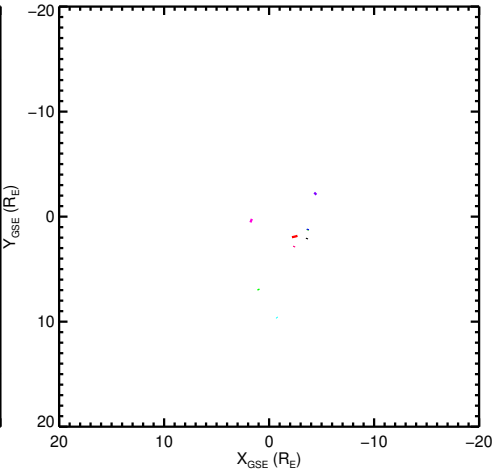




(f) 2340UT to 2355UT
fhe wal



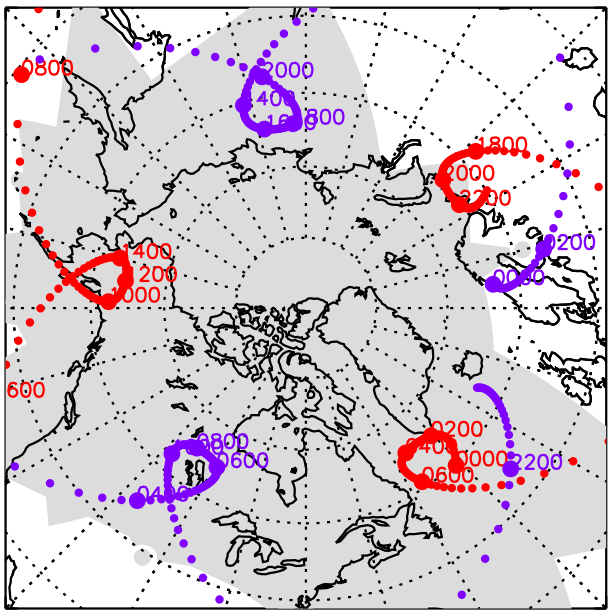


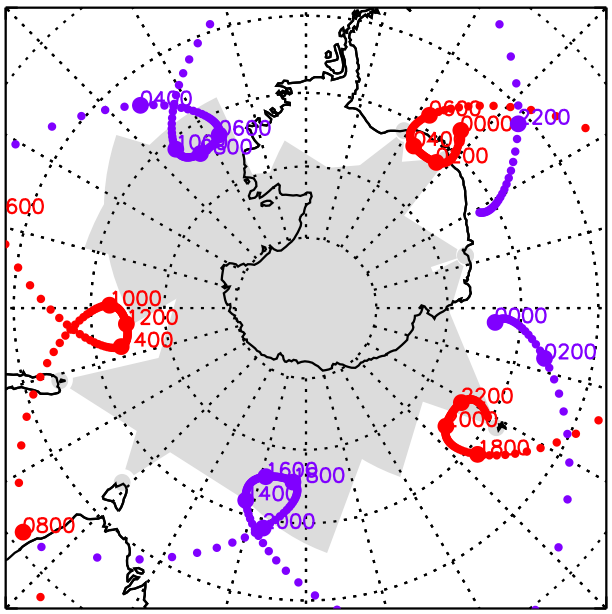


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

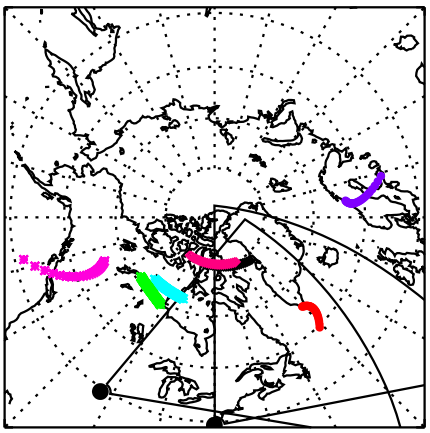
03–Jan–2015

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





(a) 0000UT to 0200UT
fhe wal



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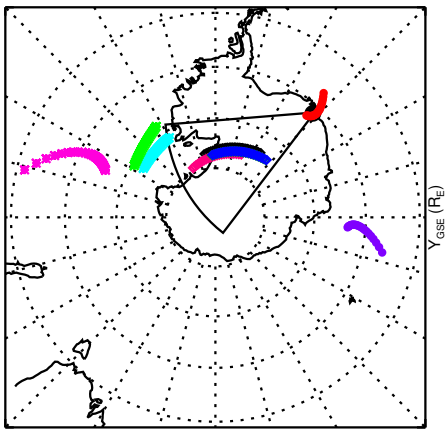
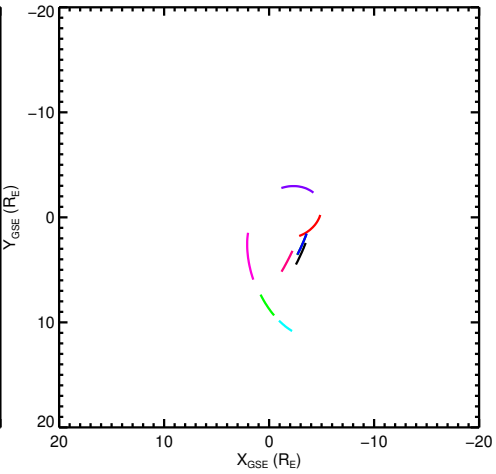
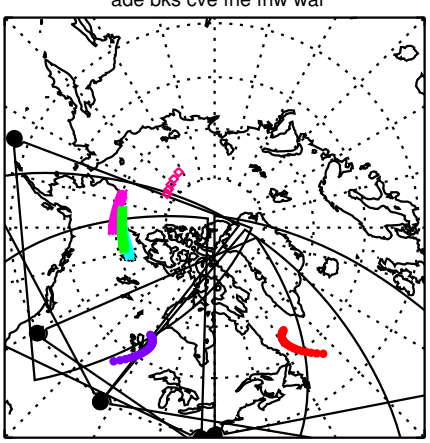
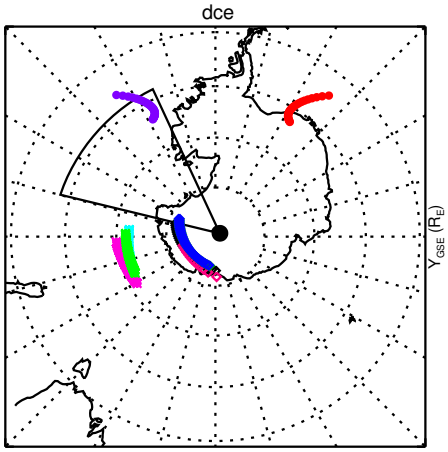


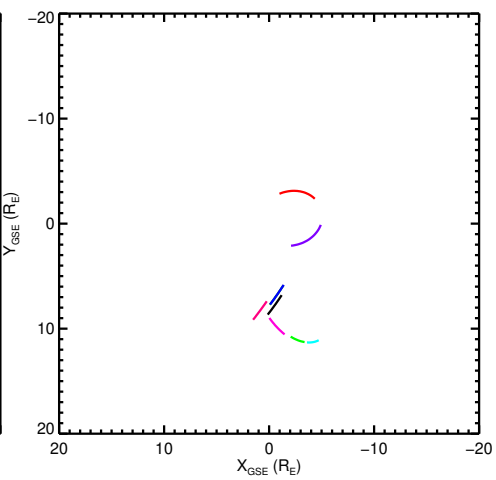


(b) 0410UT to 0630UT
ade bks cve fhe fhw wal

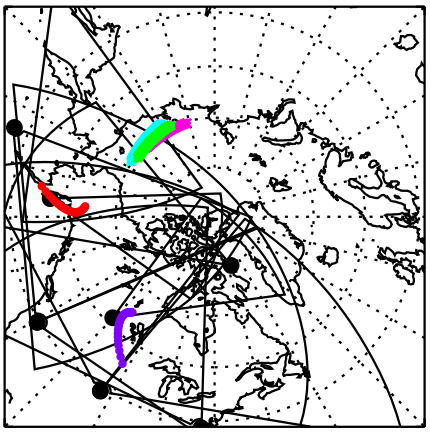


dce

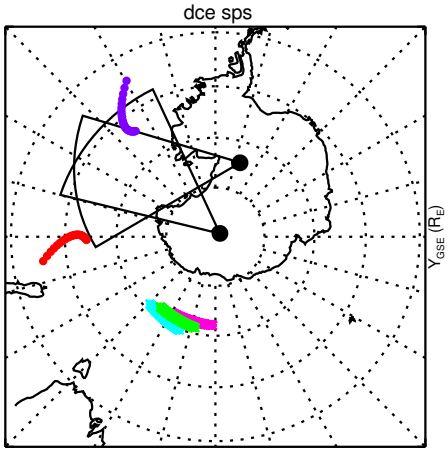


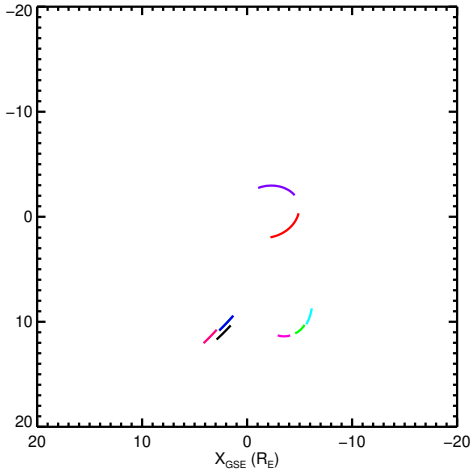


(c) 0840UT to 1105UT
ade bks cly cve cvw fhe fhw hok kod sas

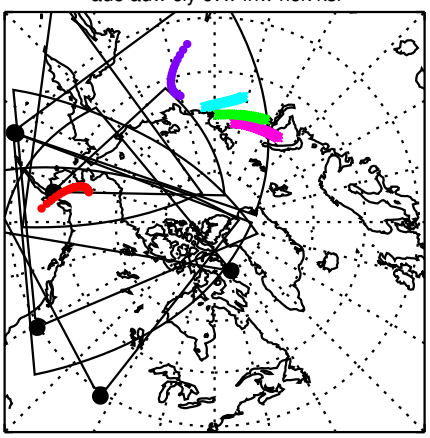


dce sps

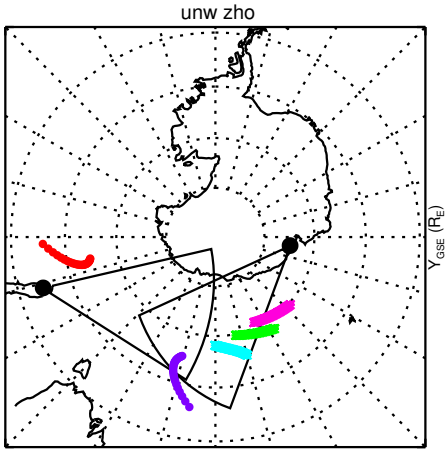


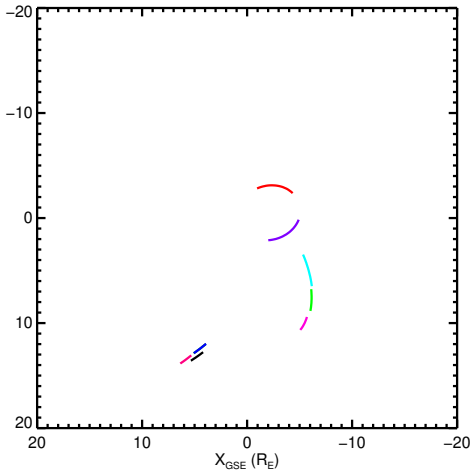


(d) 1310UT to 1530UT
ade adw cly cvw fhw hok ksr

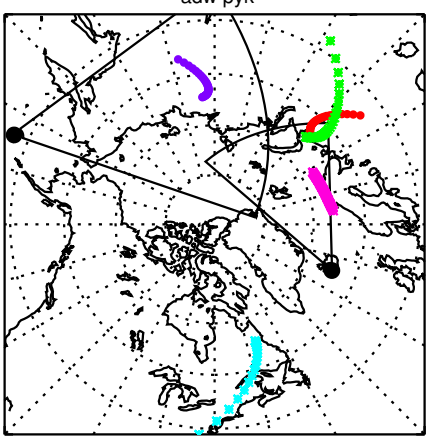


unw zho

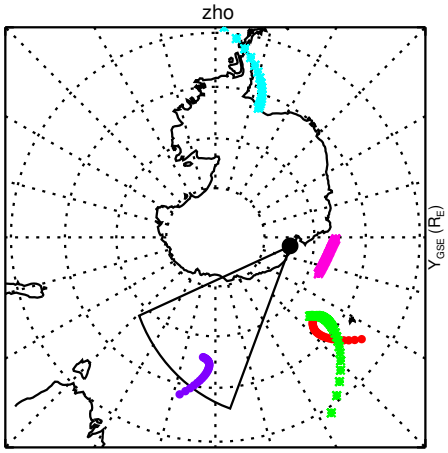


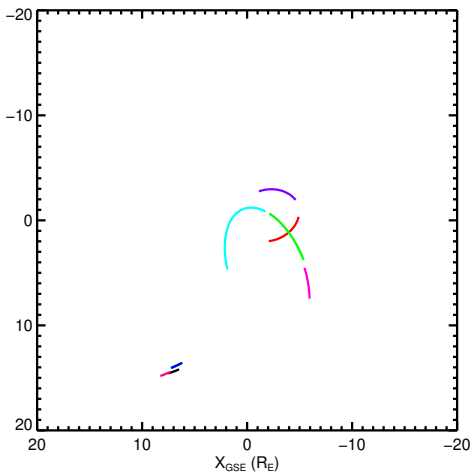


(e) 1735UT to 2005UT
adw pyk

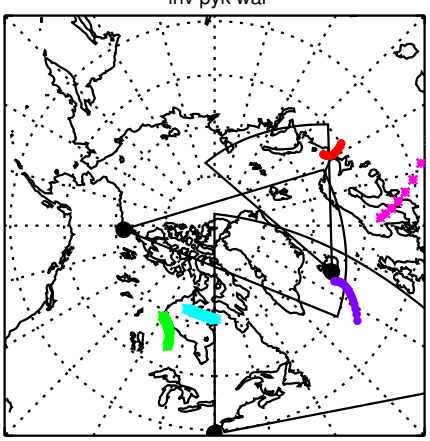


zho

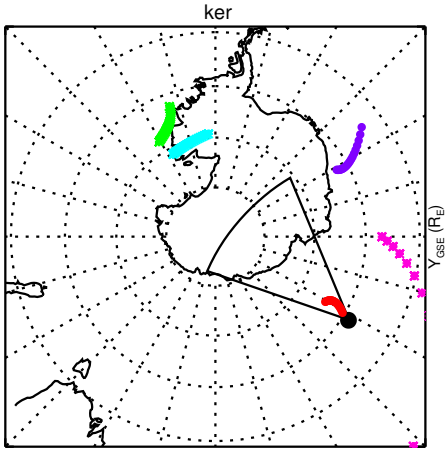


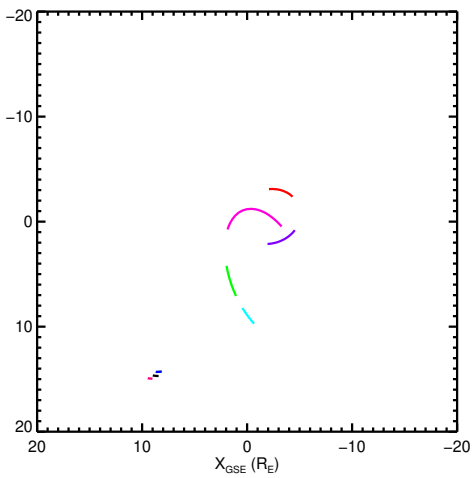


(f) 2210UT to 2355UT
inv pyk wal



ker

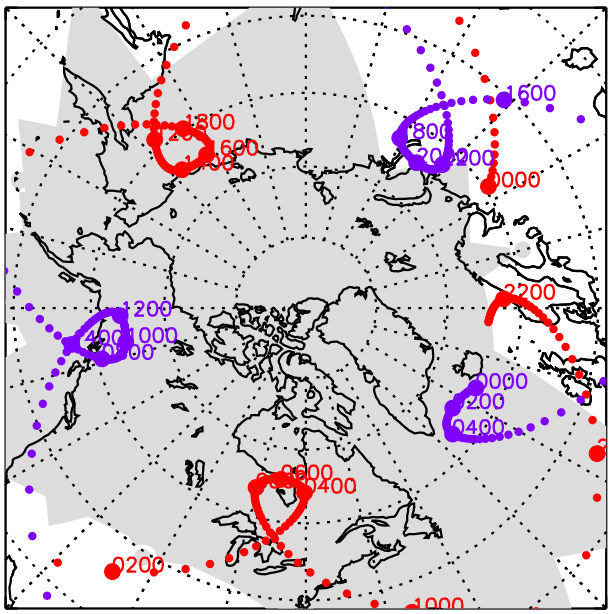


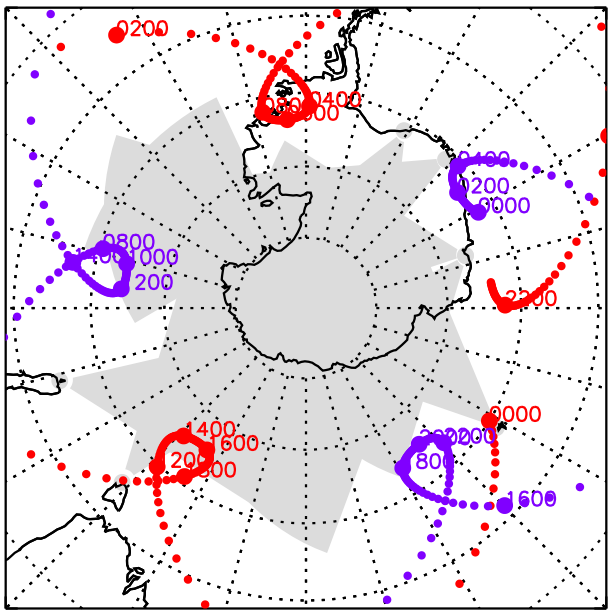


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

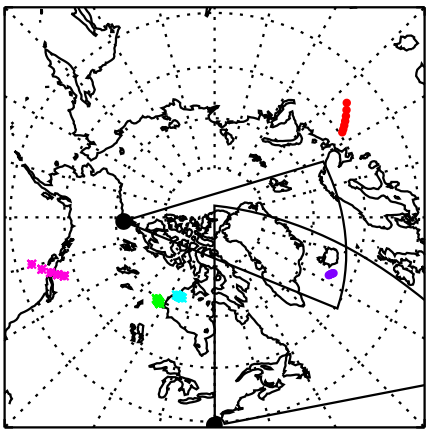
04–Jan–2015

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





(a) 0000UT to 0030UT
inv wal



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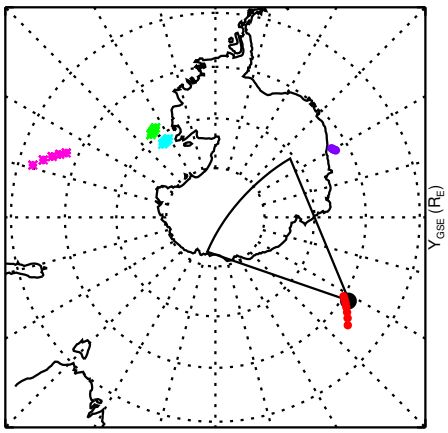
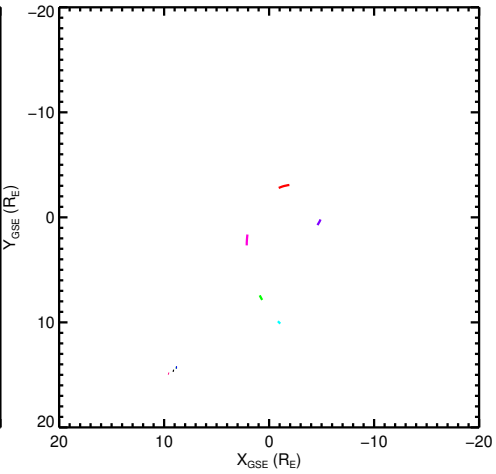
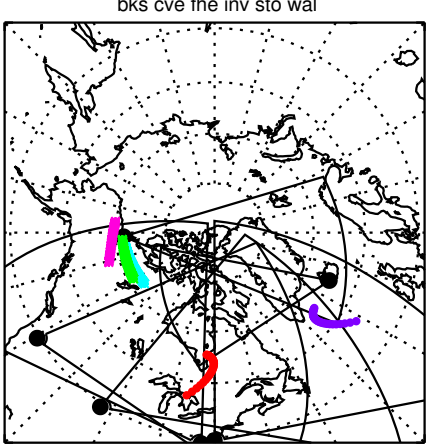
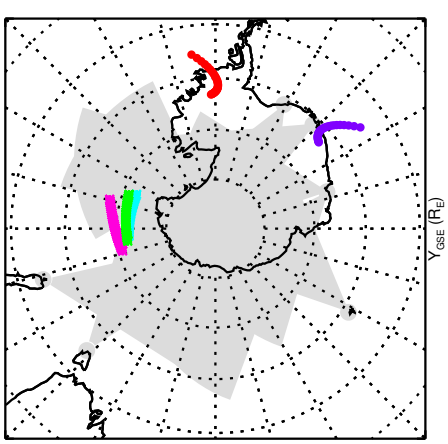
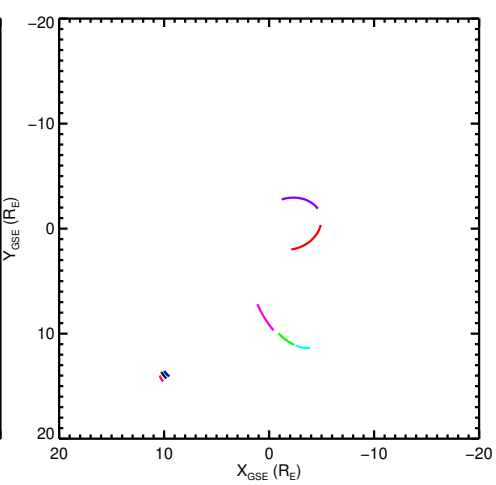




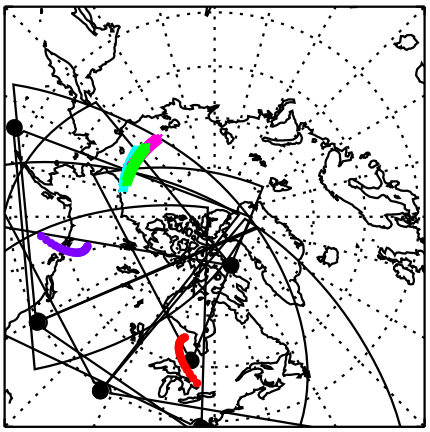
(b) 0235UT to 0505UT
bks cve fhe inv sto wal



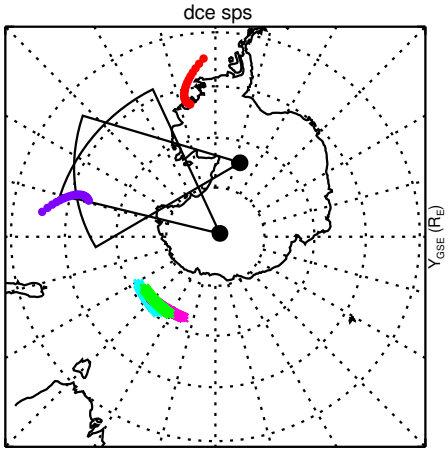


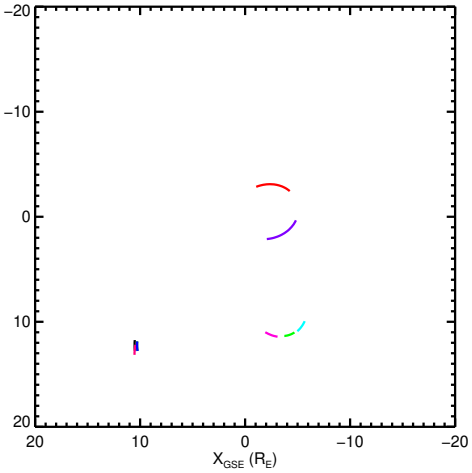


(c) 0715UT to 0925UT
ade bks cly cve cvw fhe fhw kap

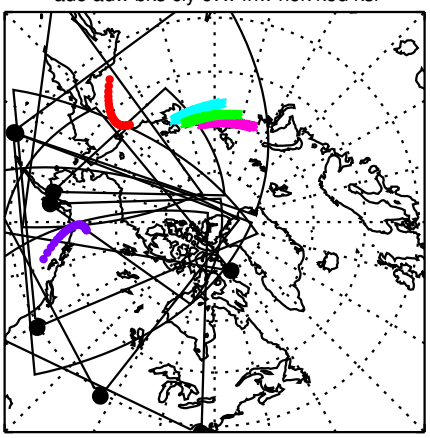


dce sps

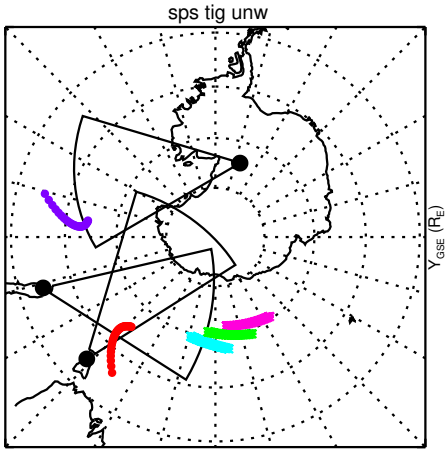


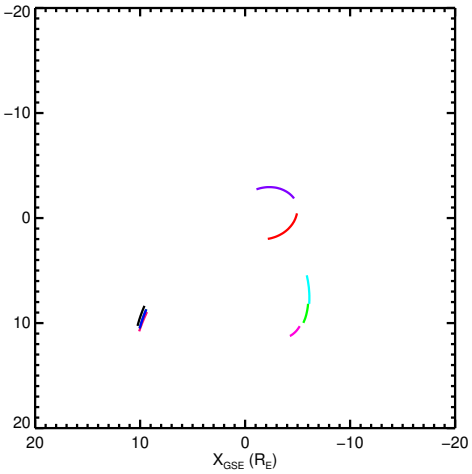


(d) 1135UT to 1410UT
ade adw bks cly cvw fhw hok kod ksr

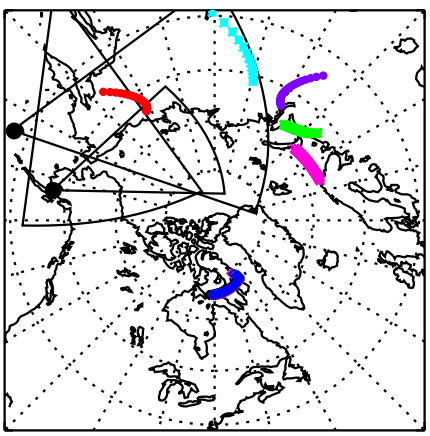


sps tig unw

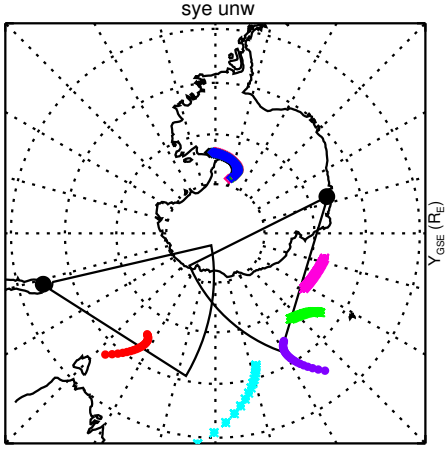


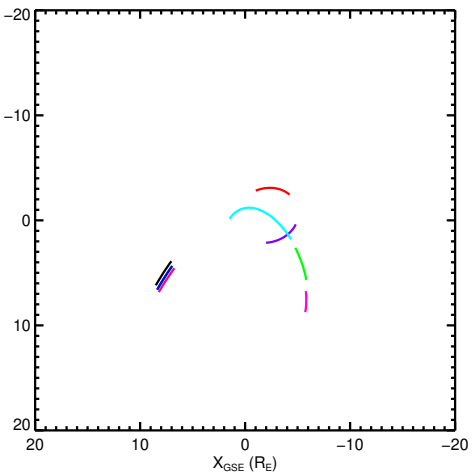


(e) 1615UT to 1825UT
adw hok ksr

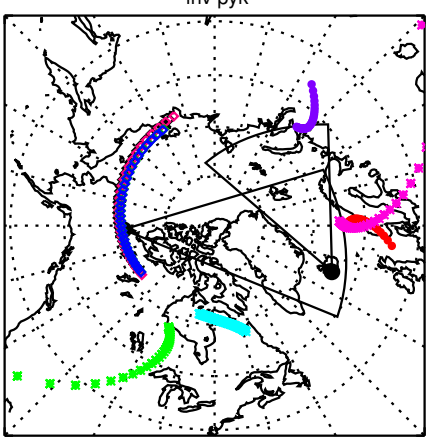


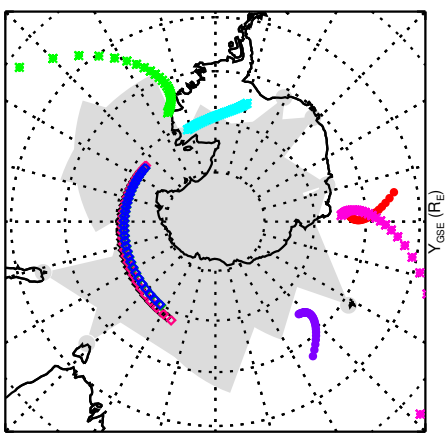
sye unw

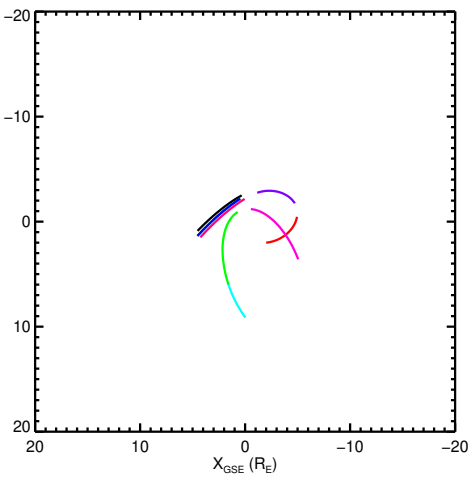




(f) 2030UT to 2310UT
inv pyk



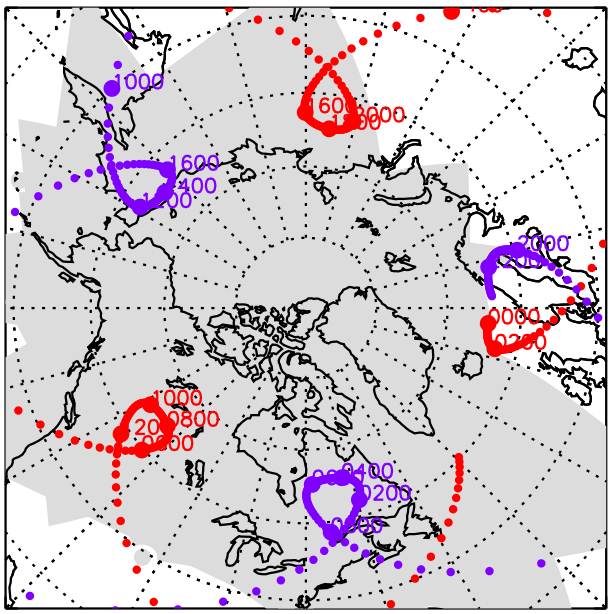


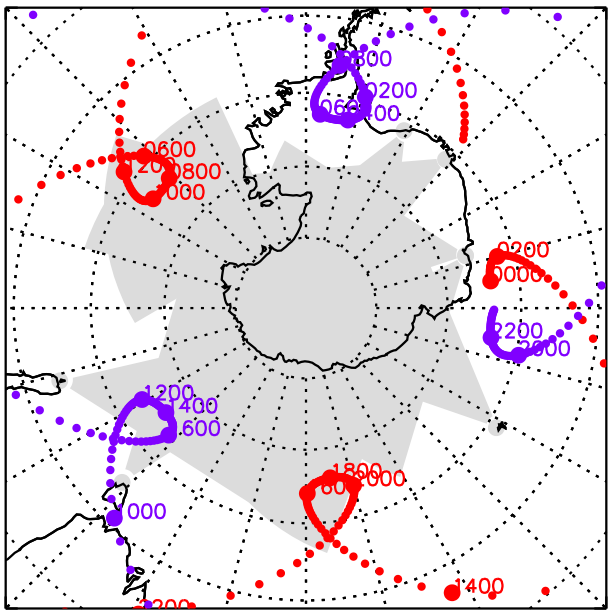


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

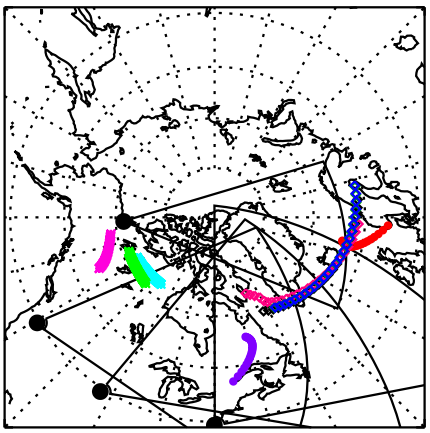
05–Jan–2015

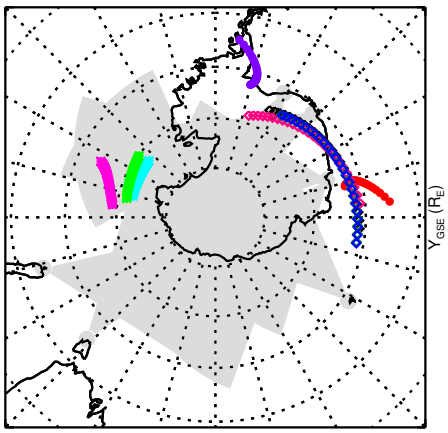
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

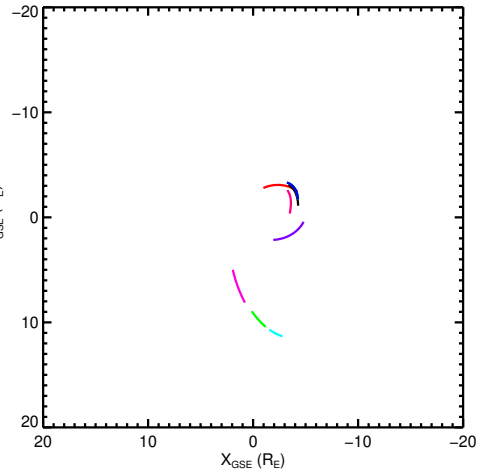




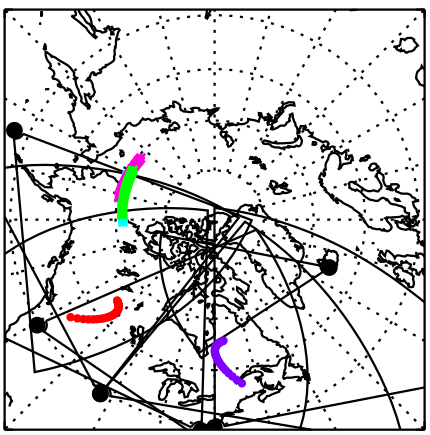
(a) 0115UT to 0325UT
cve fhe inv wal



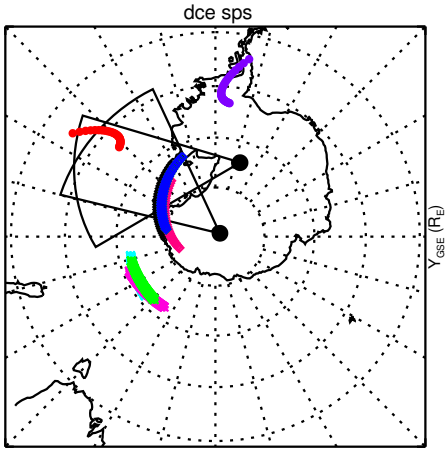


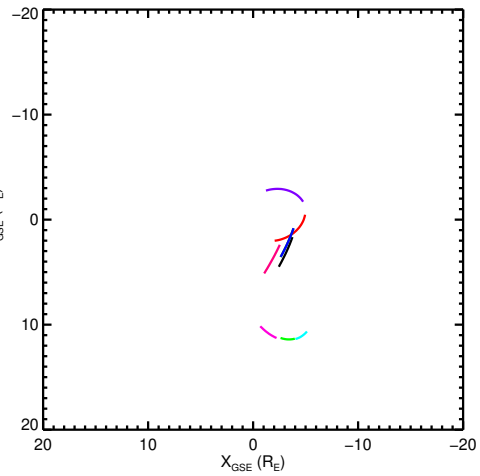


(b) 0530UT to 0810UT
ade bks cve fhe fhw sto wal

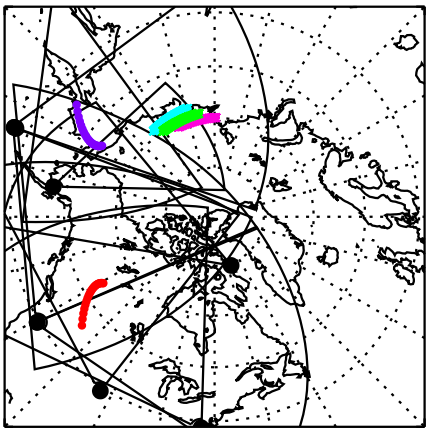


dce sps

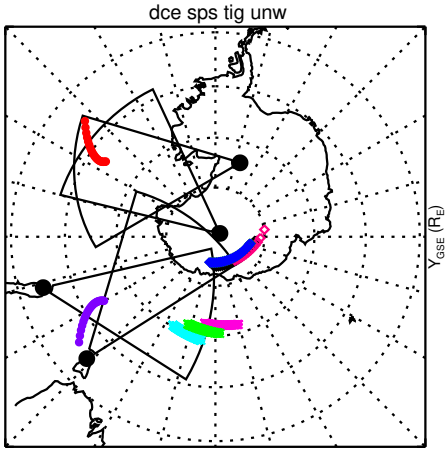


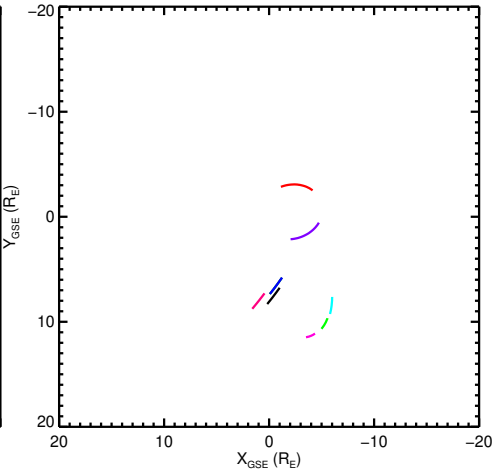


(c) 1020UT to 1220UT
ade adw bks cly cve cvw fhw hok ksr

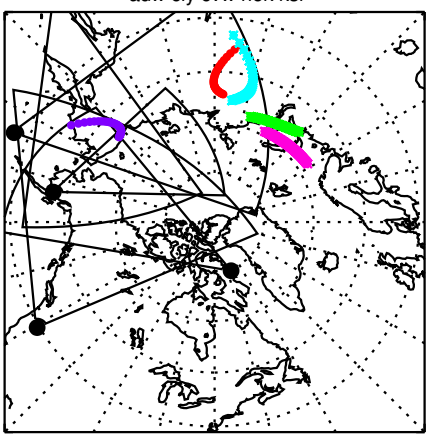


dce sps tig unw

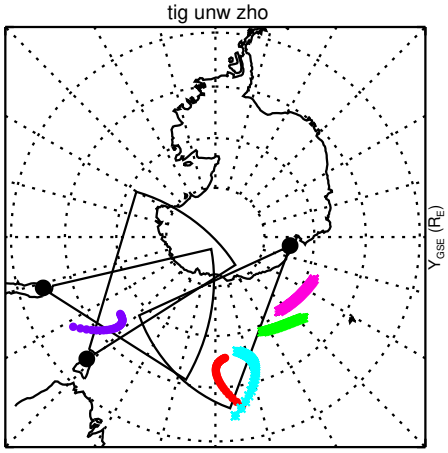


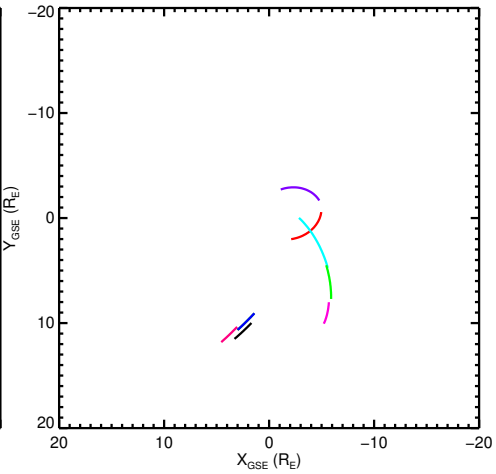


(d) 1430UT to 1715UT
adw cly cvw hok ksr

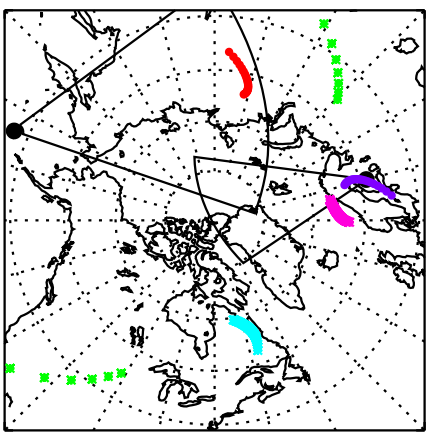


tig unw zho

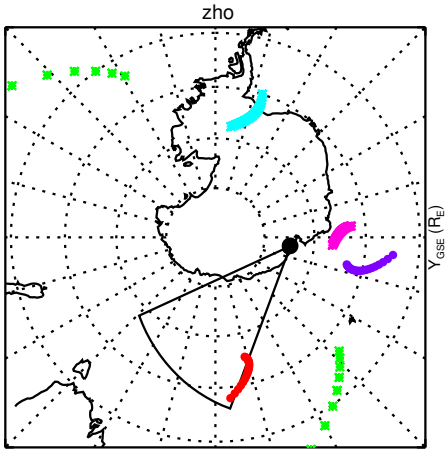


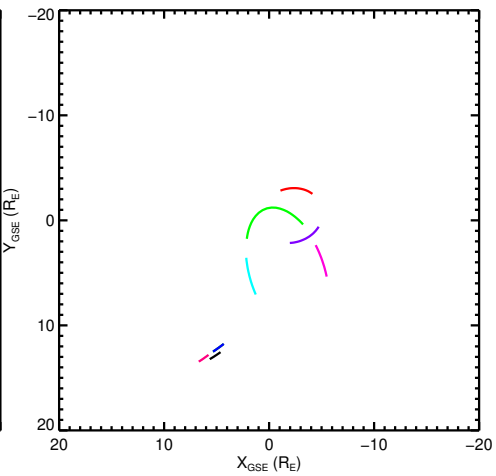


(e) 1920UT to 2120UT
adw han

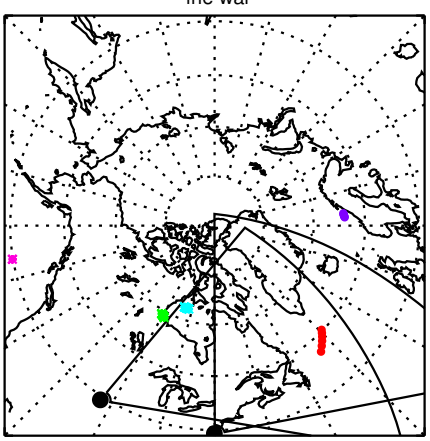


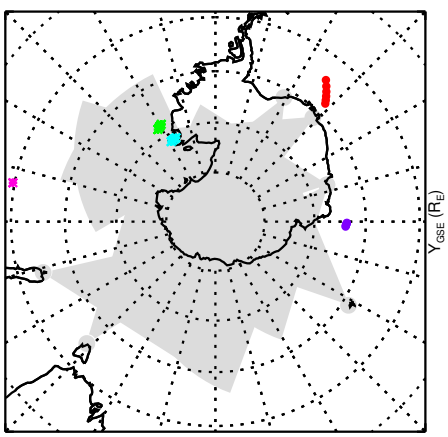
zho

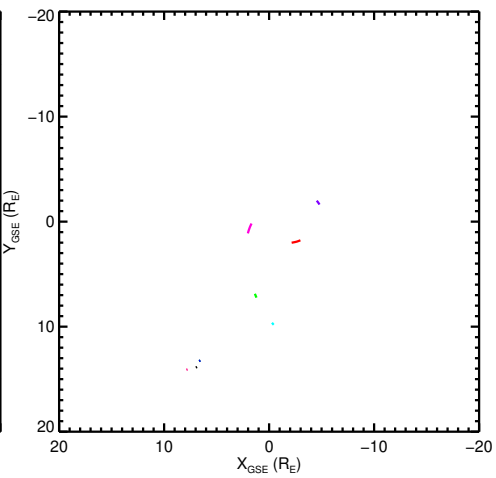




(f) 2330UT to 2355UT
fhe wal



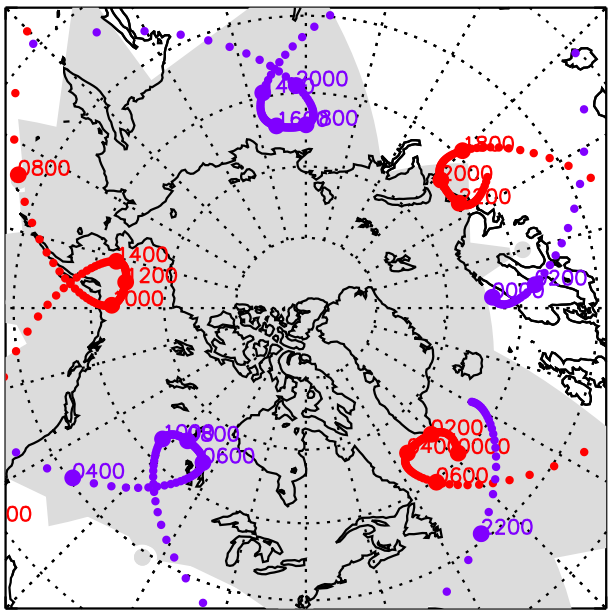


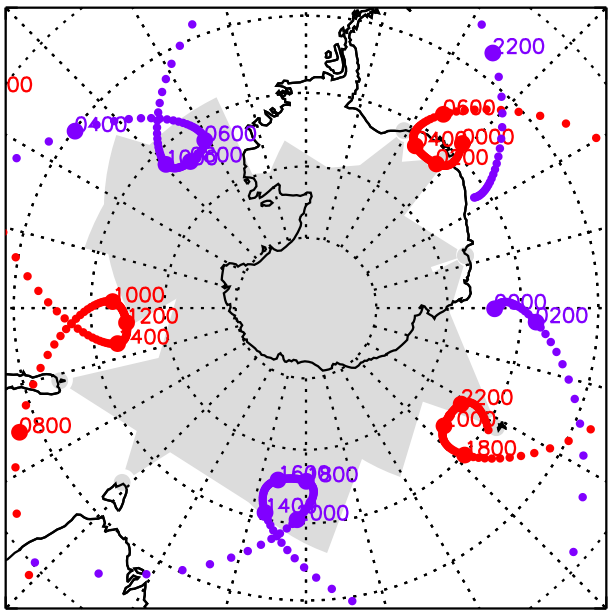


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

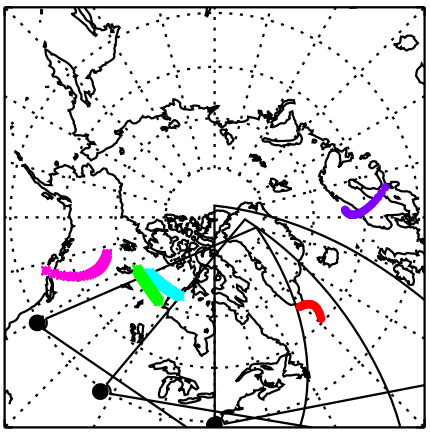
06–Jan–2015

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

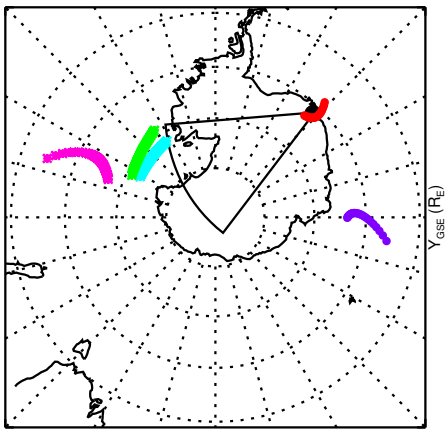


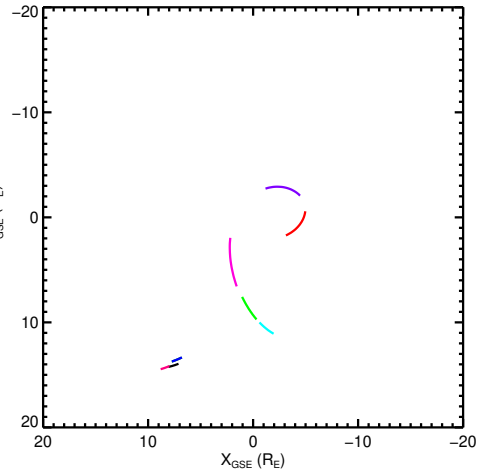


(a) 0000UT to 0215UT
cve fhe wal

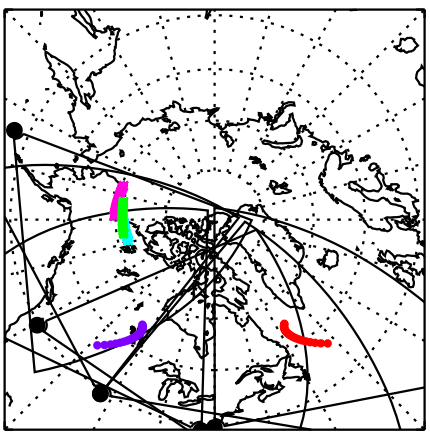


san

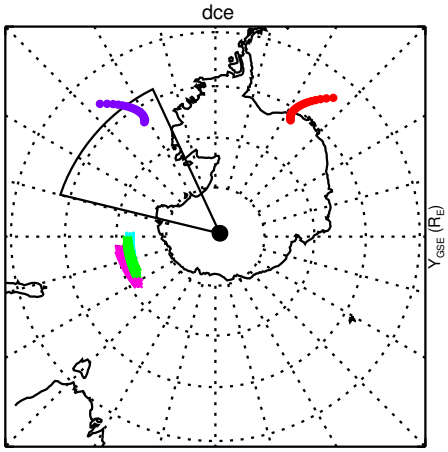


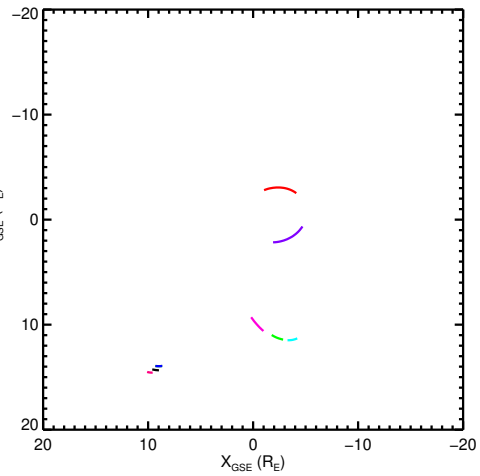


(b) 0420UT to 0620UT
ade bks cve fhe fhw wal

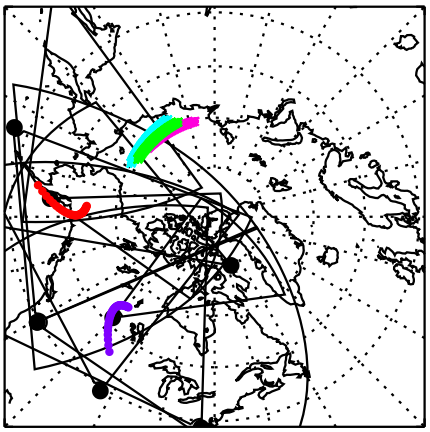


dce

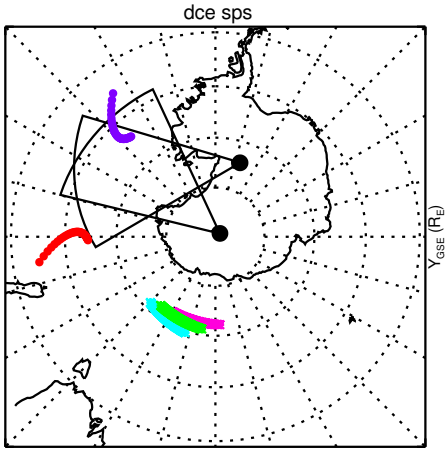


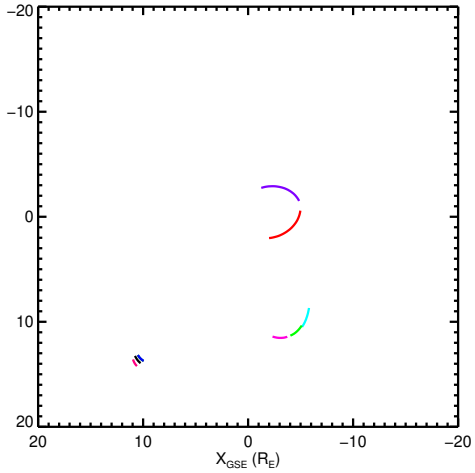


(c) 0825UT to 1115UT
ade bks cly cve cvw fhw hok kod sas

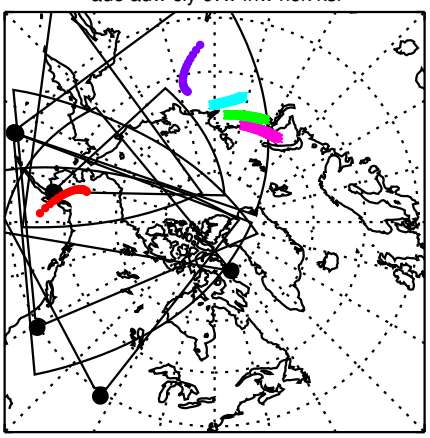


dce sps

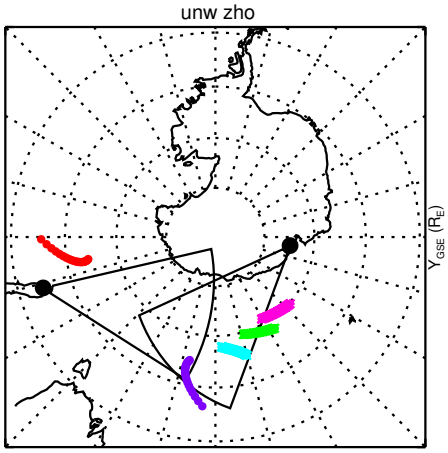


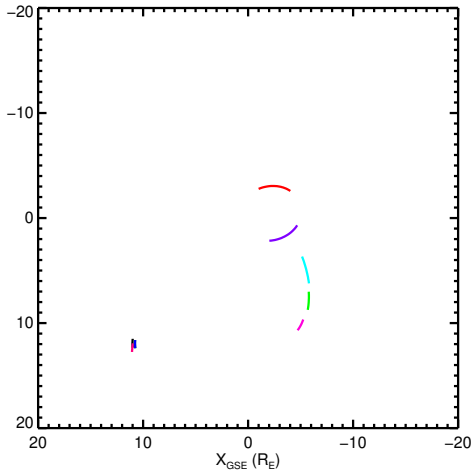


(d) 1325UT to 1520UT
ade adw cly cvw fhw hok ksr

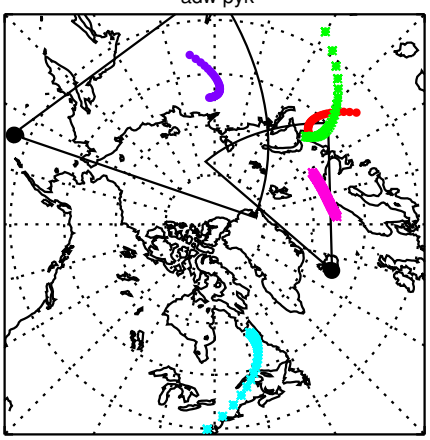


unw zho

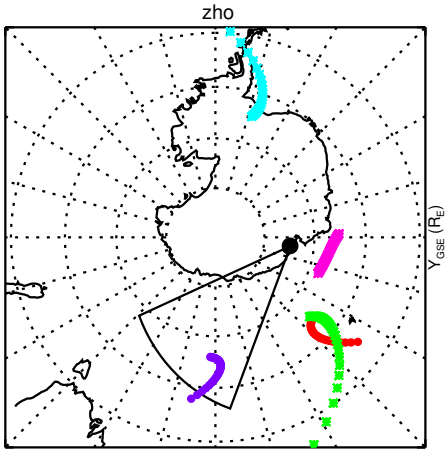


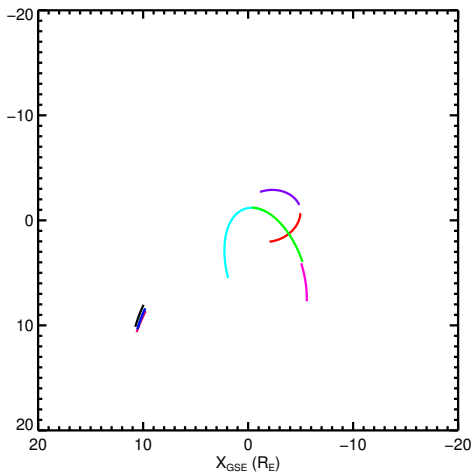


(e) 1725UT to 2020UT
adw pyk

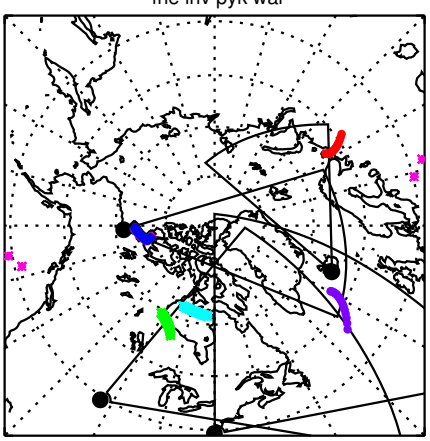


zho





(f) 2225UT to 2355UT
fhe inv pyk wal



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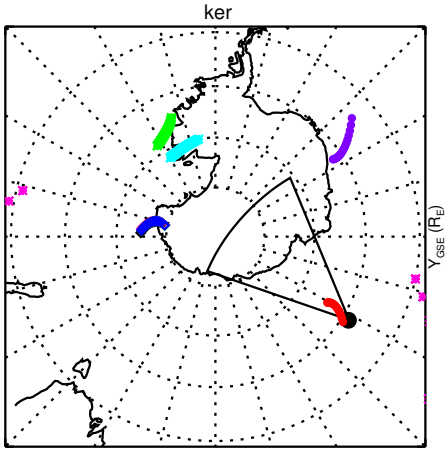
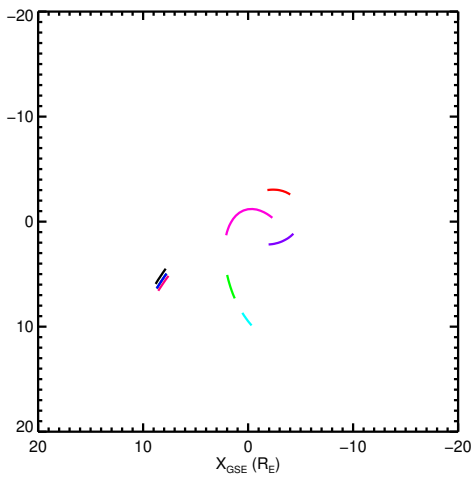
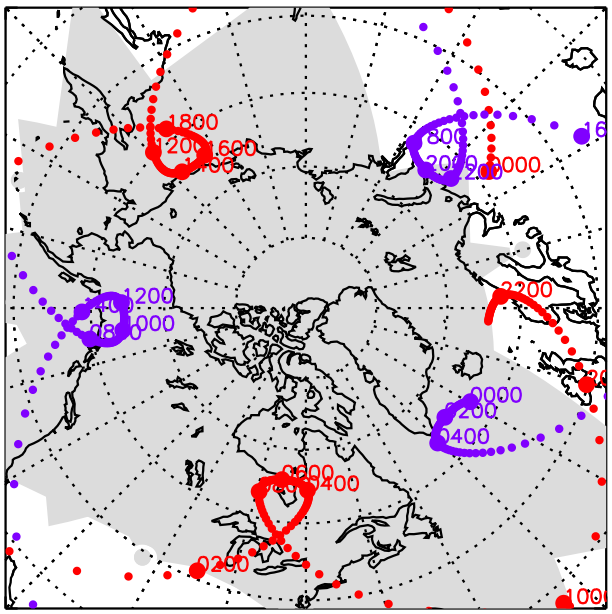


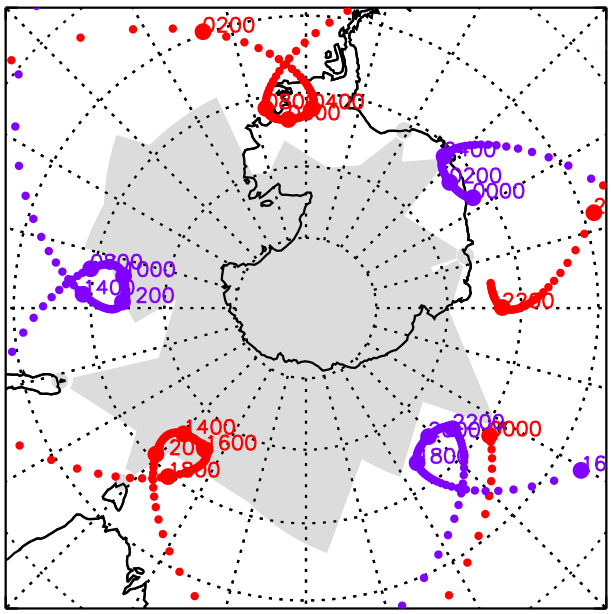


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

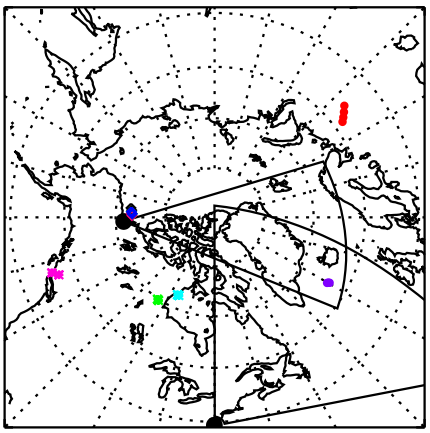
07–Jan–2015

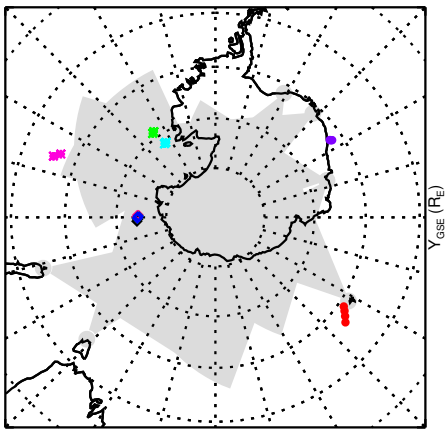
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

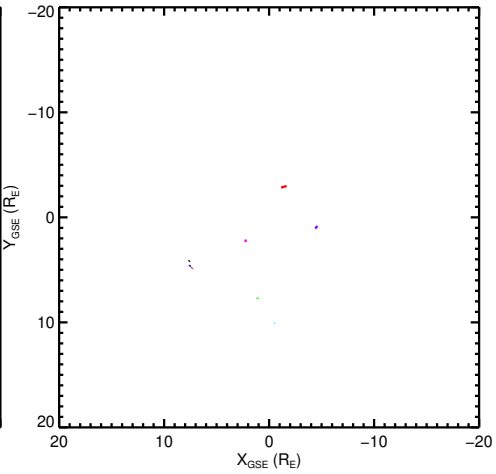




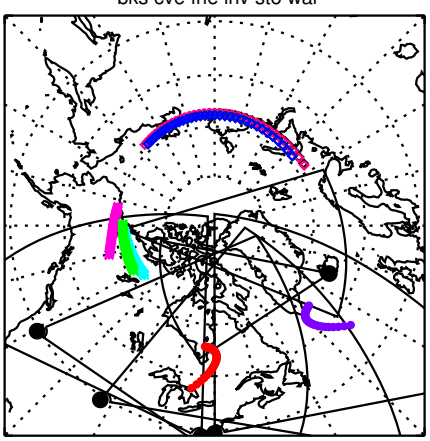
(a) 0000UT to 0015UT
inv wal

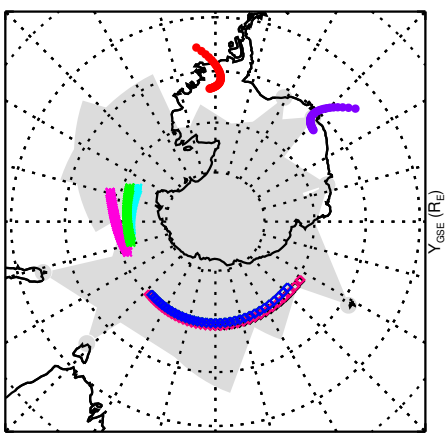


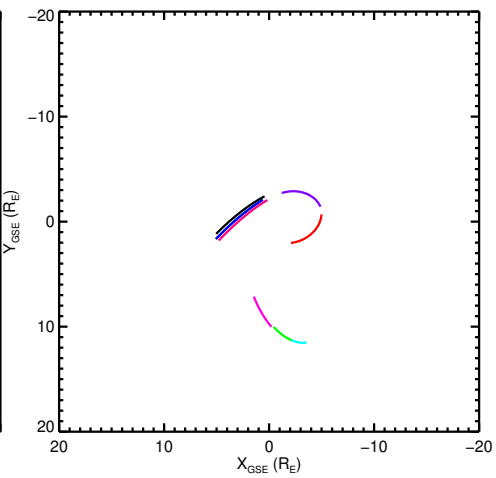




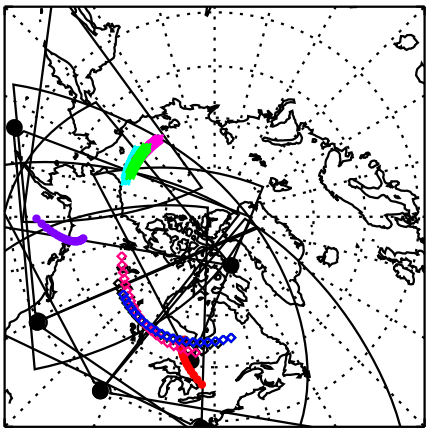
(b) 0225UT to 0520UT
bks cve fhe inv sto wal



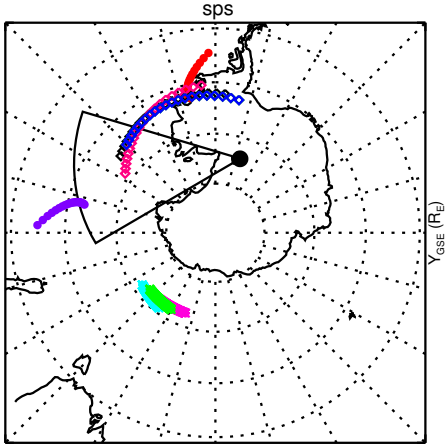


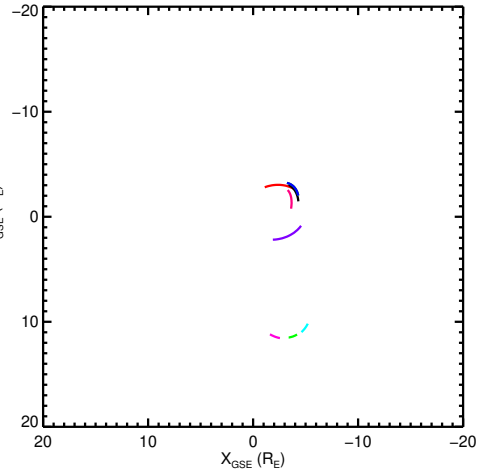


(c) 0725UT to 0915UT
ade bks cly cve cvw fhe fhw hok kap

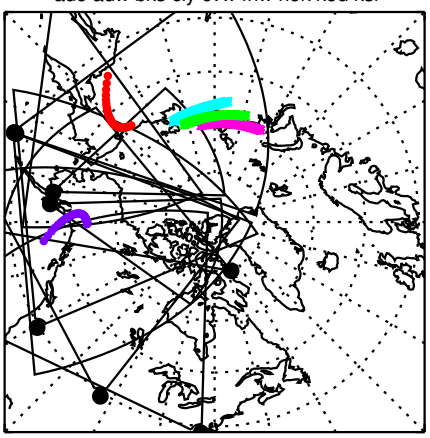


sps

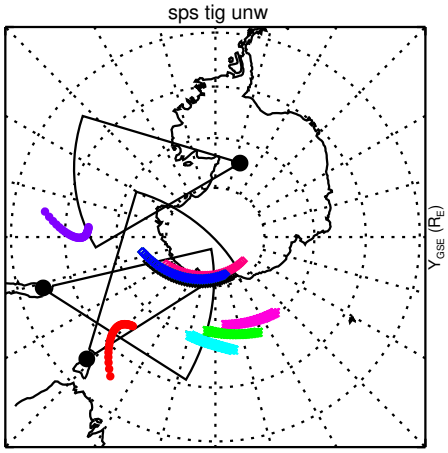


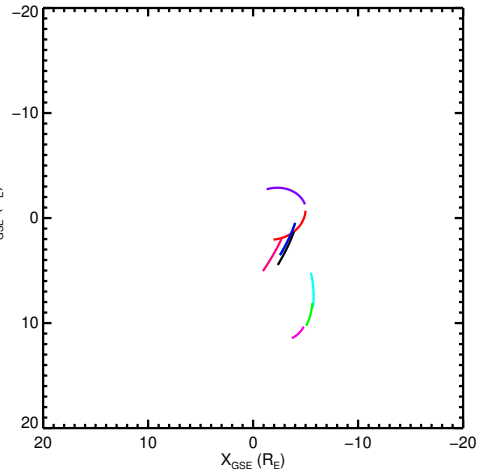


(d) 1120UT to 1420UT
ade adw bks cly cvw fhw hok kod ksr

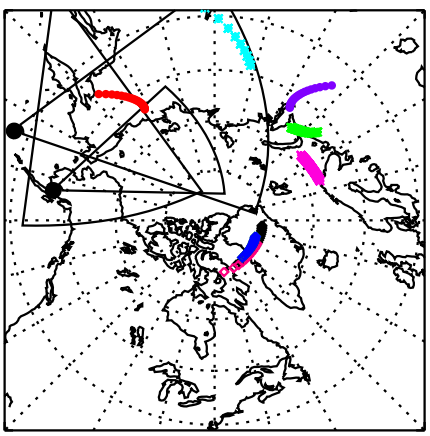


sps tig unw

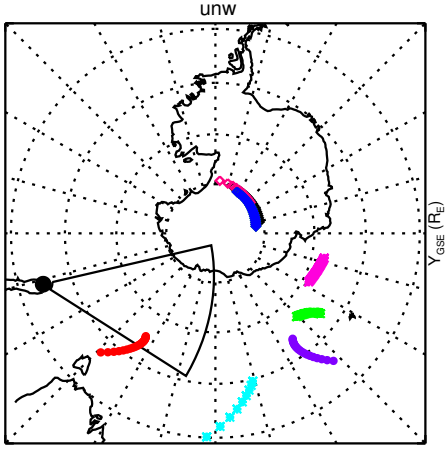


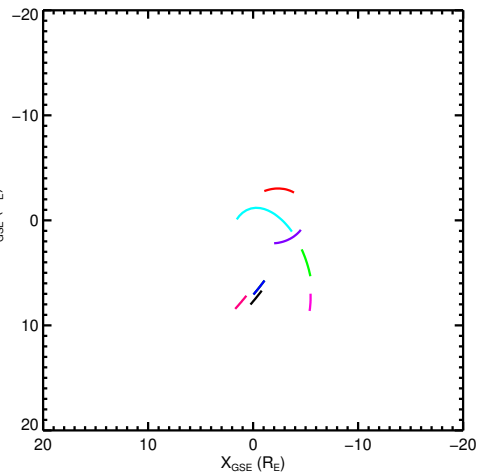


(e) 1630UT to 1815UT
adw hok ksr

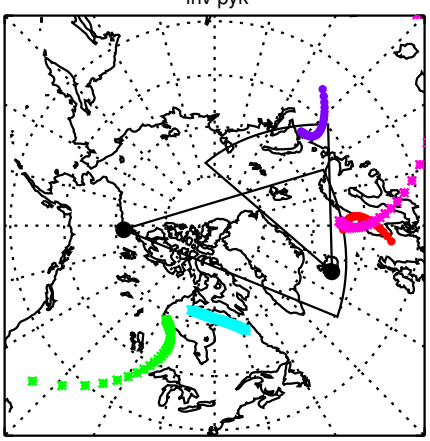


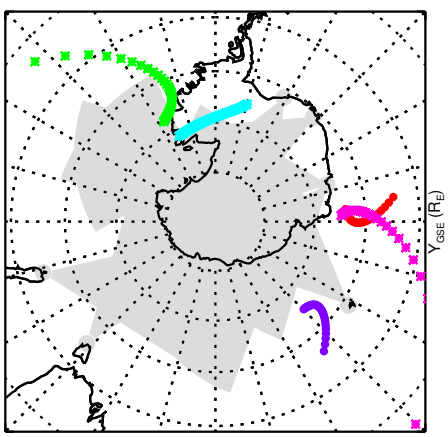
unw

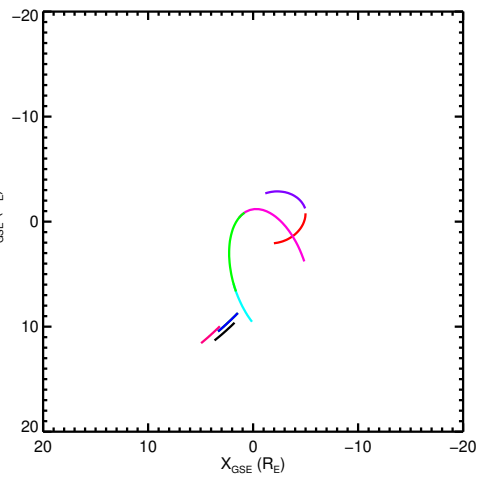




(f) 2020UT to 2325UT
inv pyk



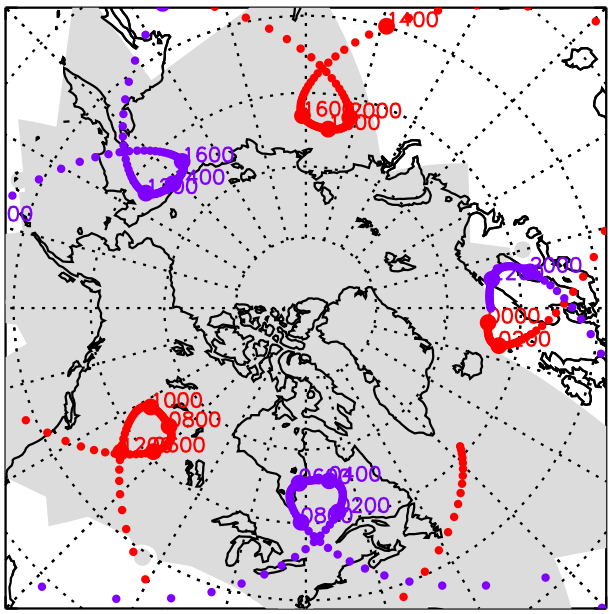


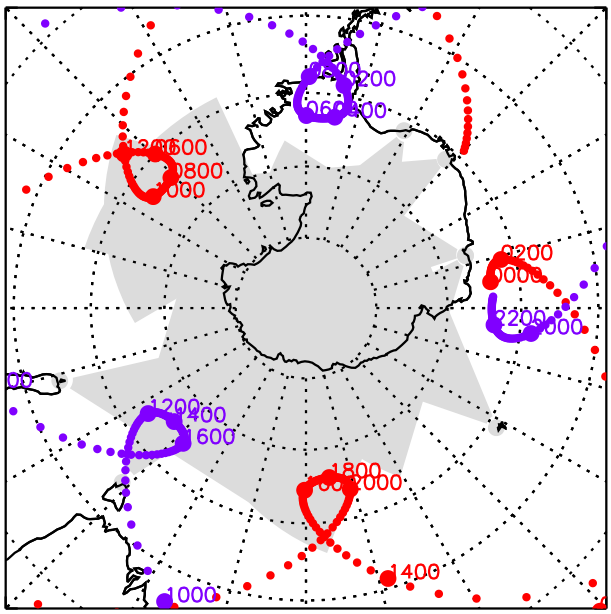


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

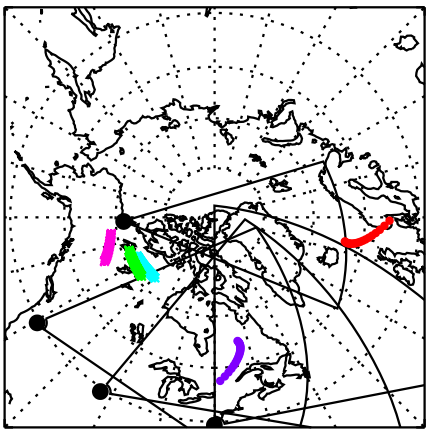
08–Jan–2015

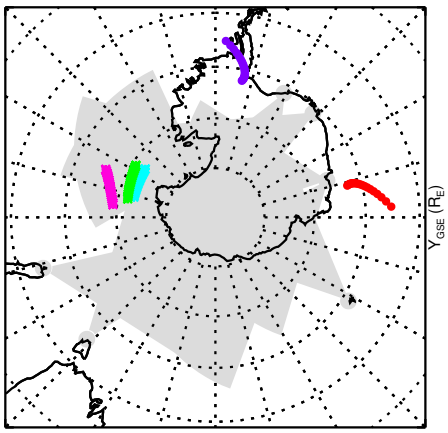
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

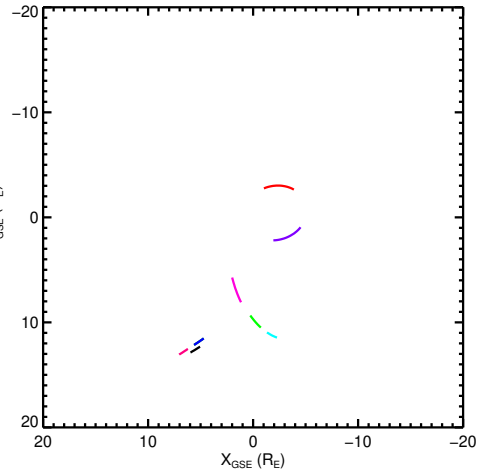




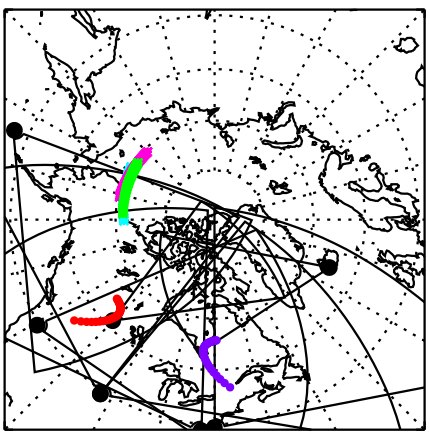
(a) 0130UT to 0315UT
cve fhe inv wal



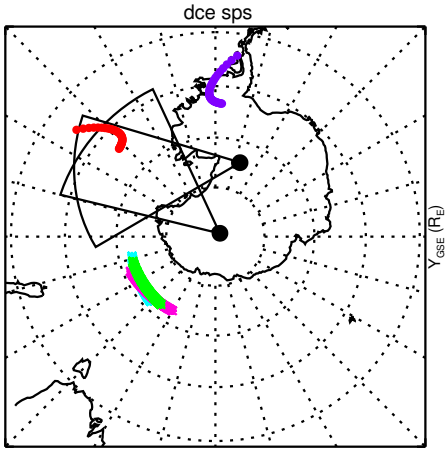


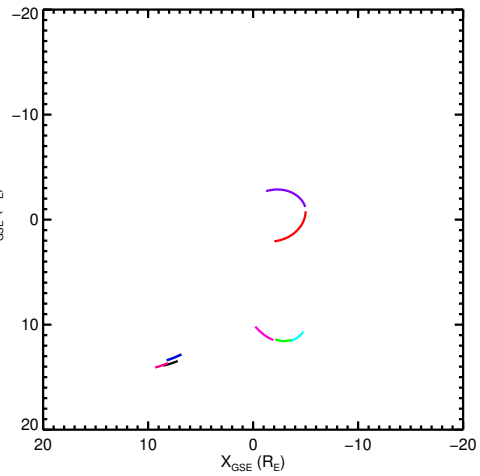


(b) 0520UT to 0825UT
ade bks cve fhe fhw sas sto wal



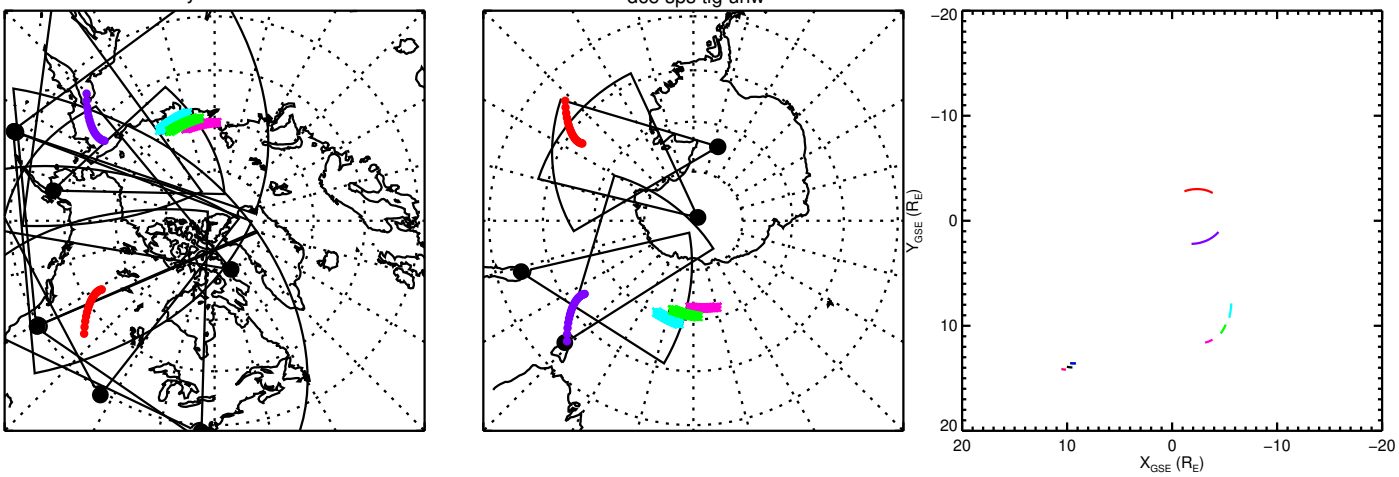
dce sps





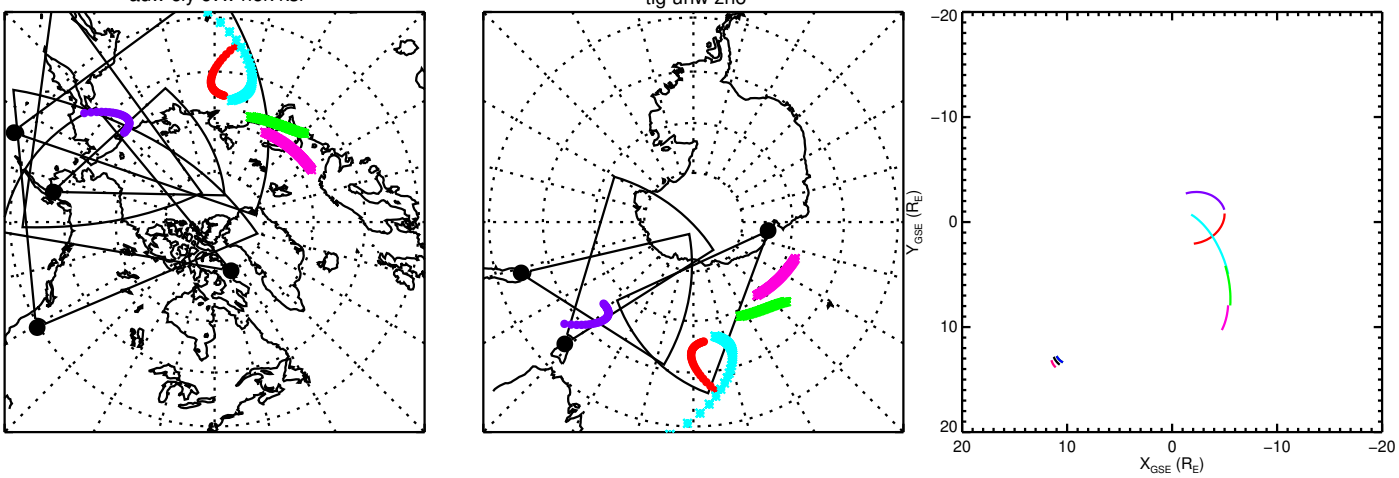
(c) 1030UT to 1210UT
ade adw bks cly cve cvw fhw hok ksr

dce sps tig unw



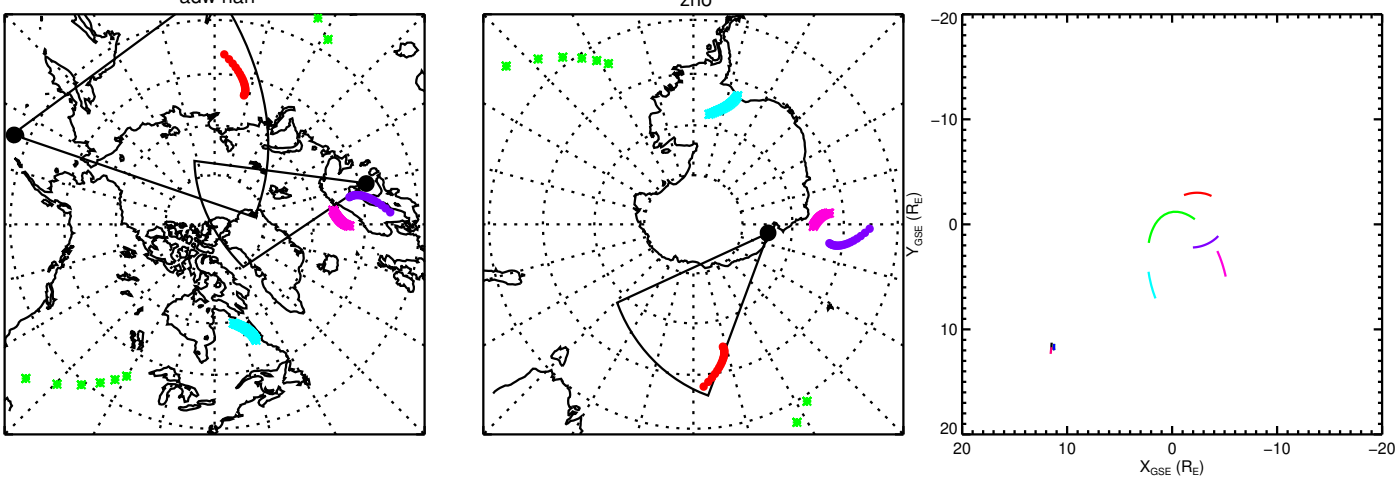
(d) 1420UT to 1725UT
adw cly cvw hok ksr

tig unw zho

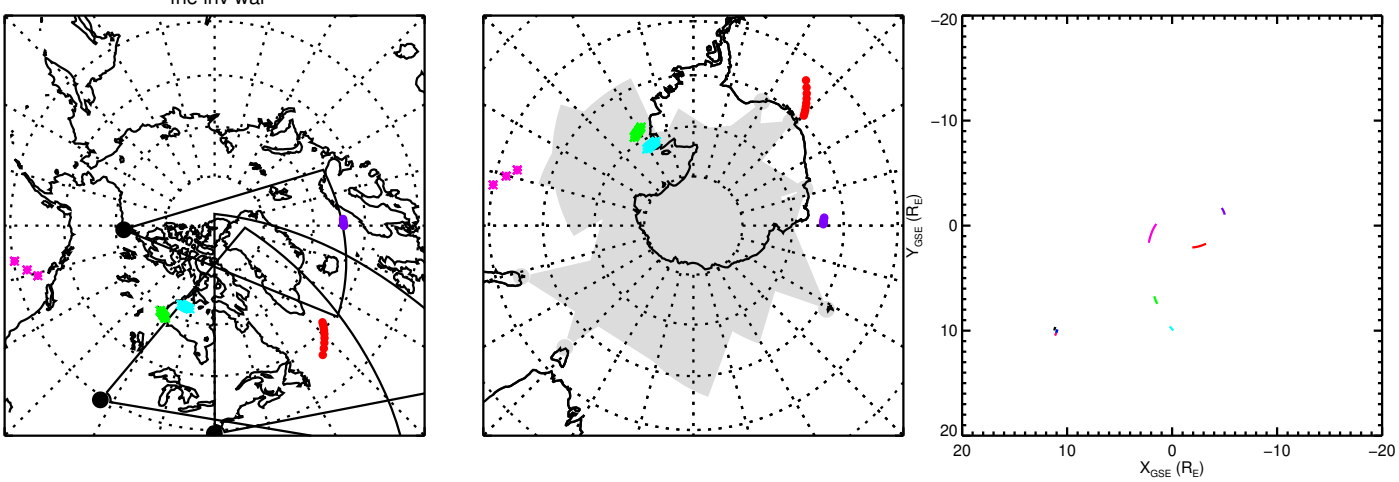


(e) 1935UT to 2110UT
adw han

zho



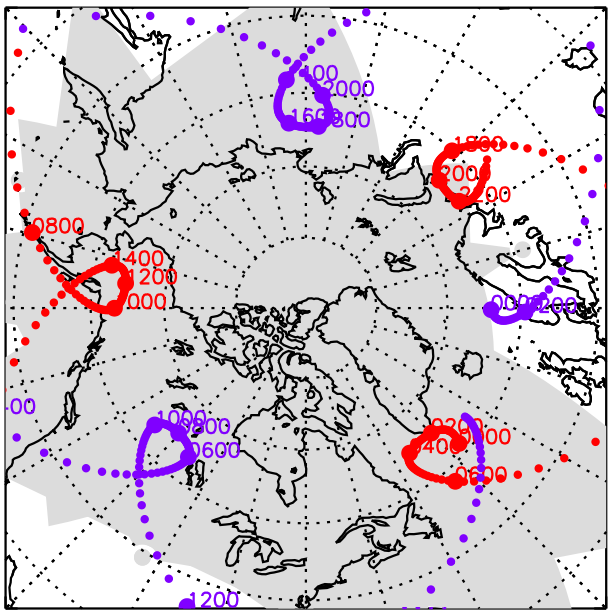
(f) 2315UT to 2355UT
fhe inv wal

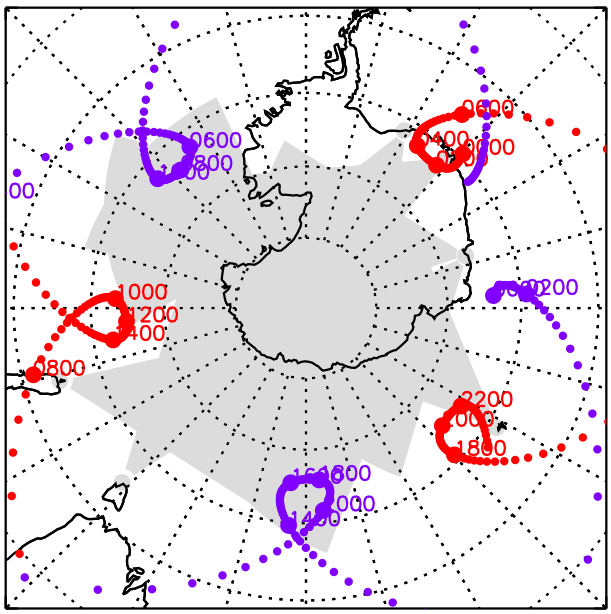


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

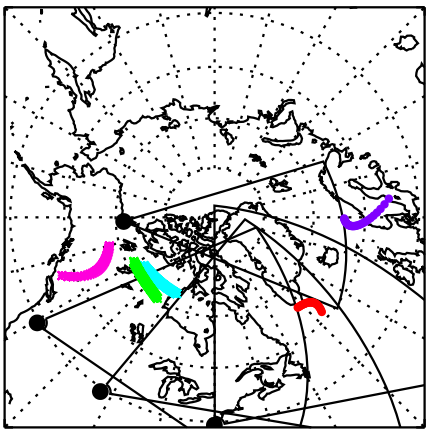
09–Jan–2015

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

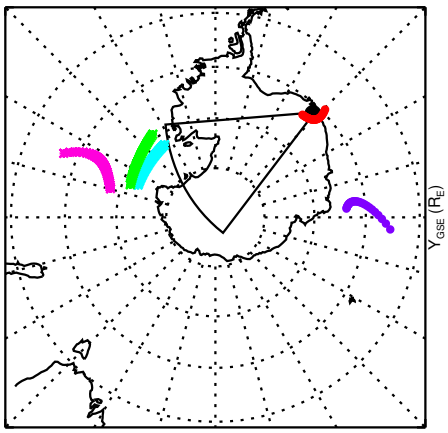


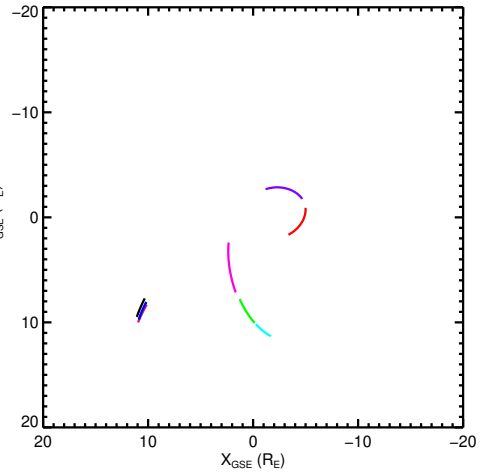


(a) 0000UT to 0230UT
cve fhe inv wal

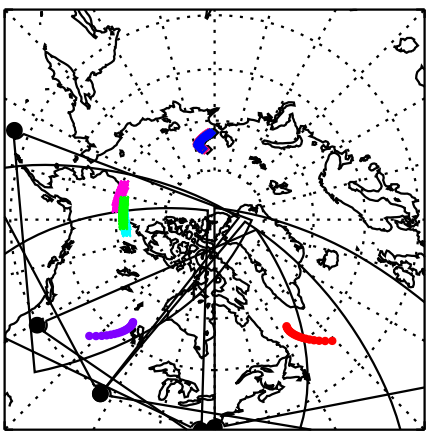


san

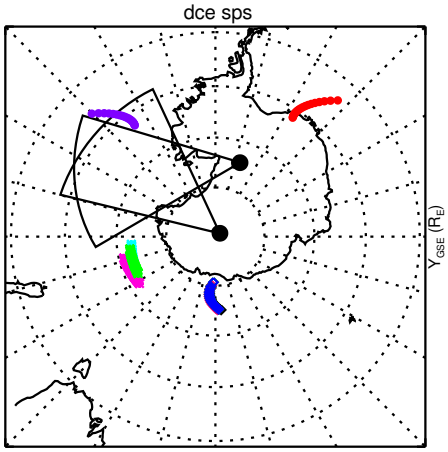


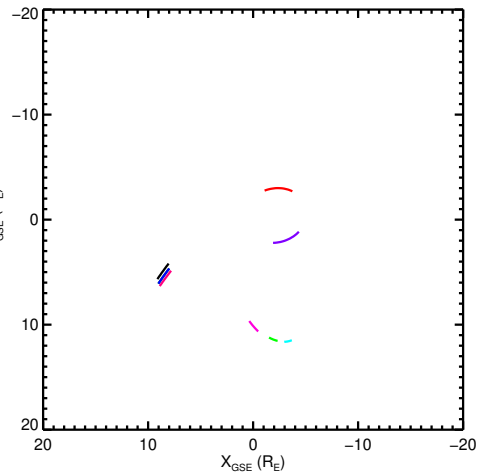


(b) 0435UT to 0610UT
ade bks cve fhe fhw wal

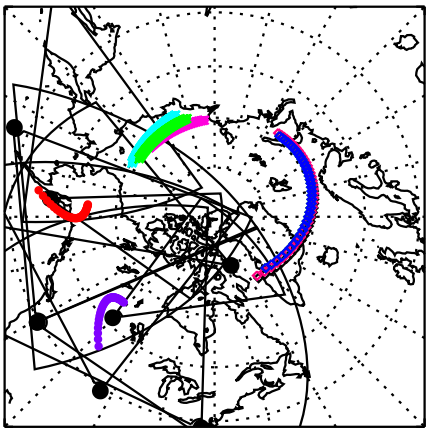


dce sps

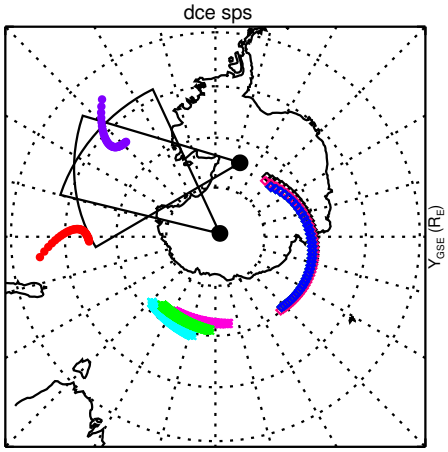


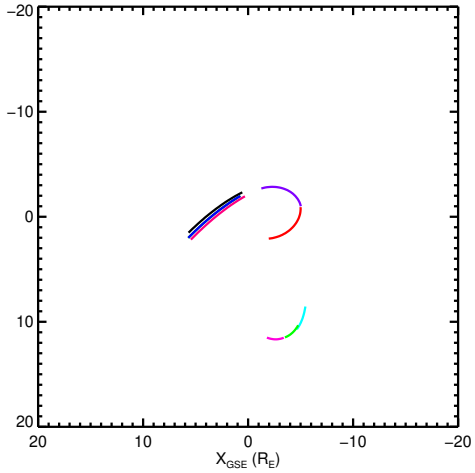


(c) 0815UT to 1130UT
ade bks cly cve cvw fhw hok kod sas

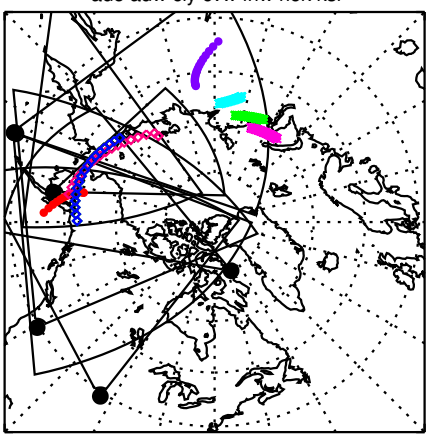


dce sps

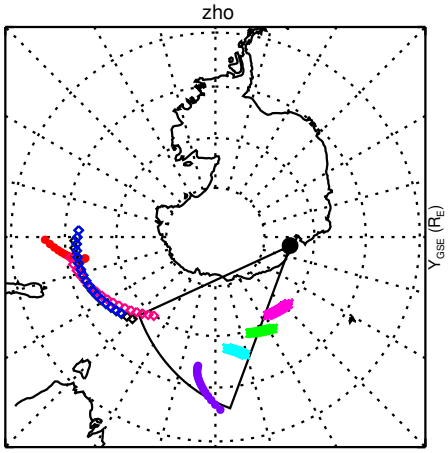


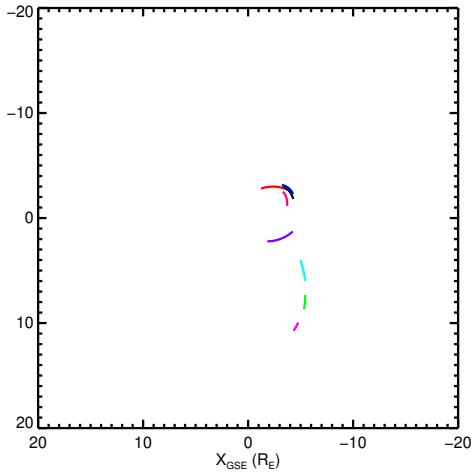


(d) 1335UT to 1505UT
ade adw cly cvw fhw hok ksr

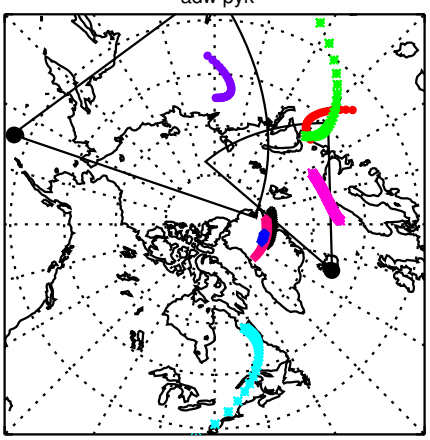


zho

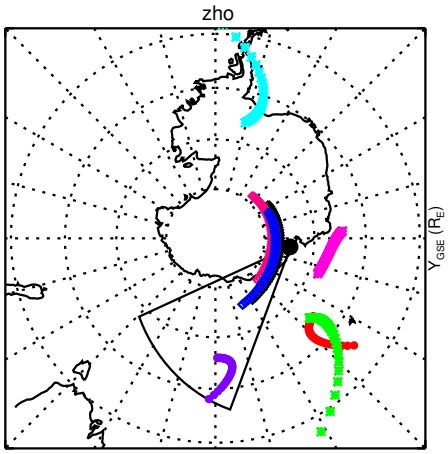


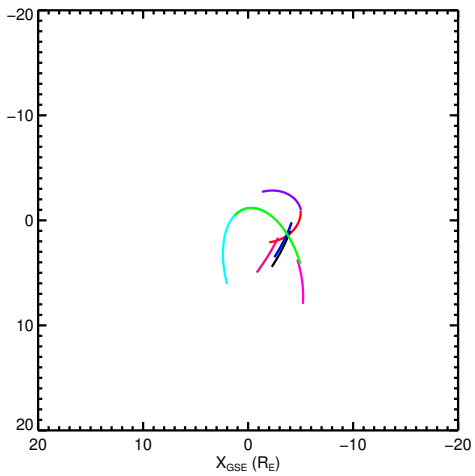


(e) 1715UT to 2030UT
adw pyk

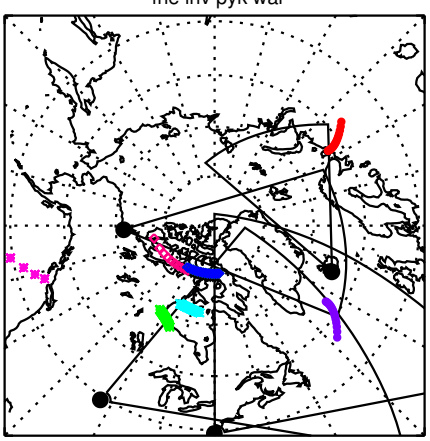


zho

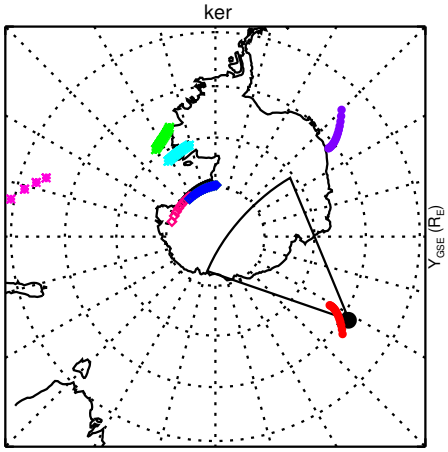


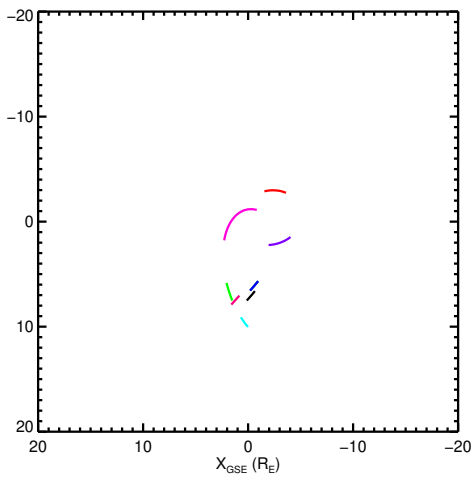


(f) 2240UT to 2355UT
fhe inv pyk wal



ker

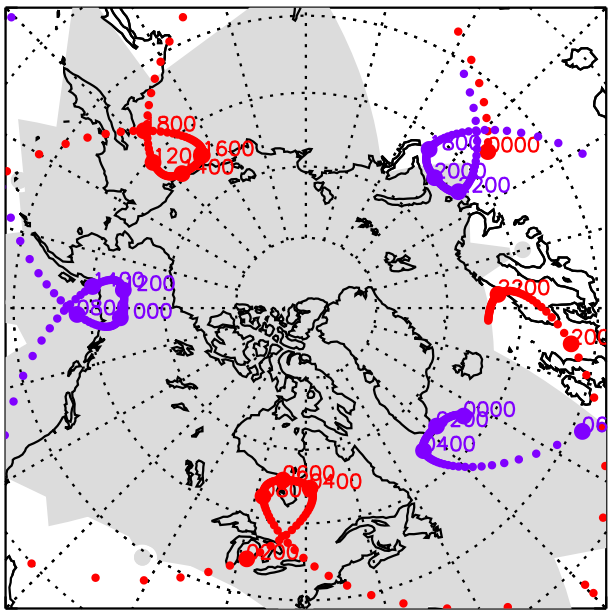


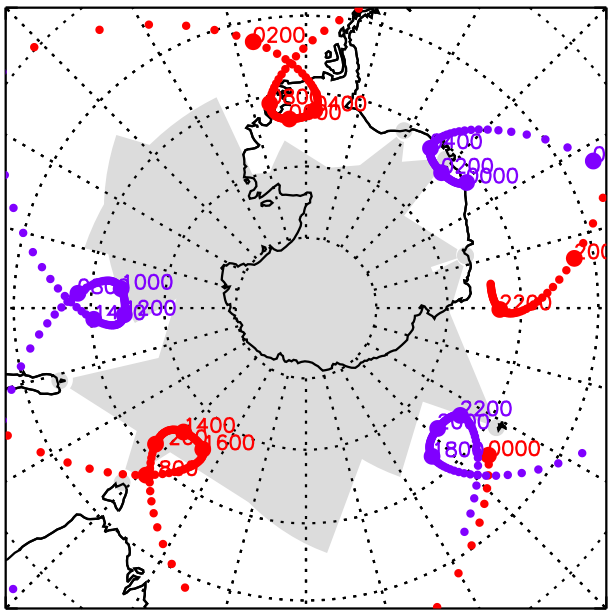


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

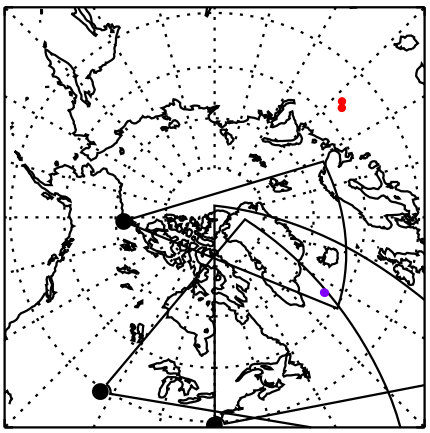
10–Jan–2015

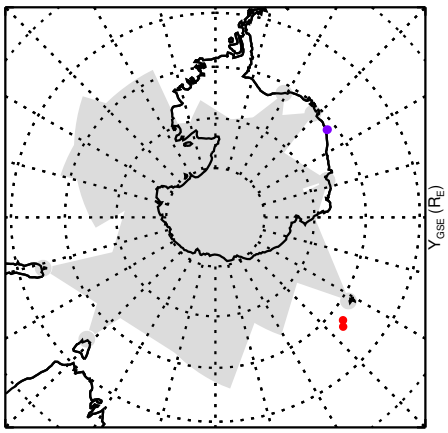
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

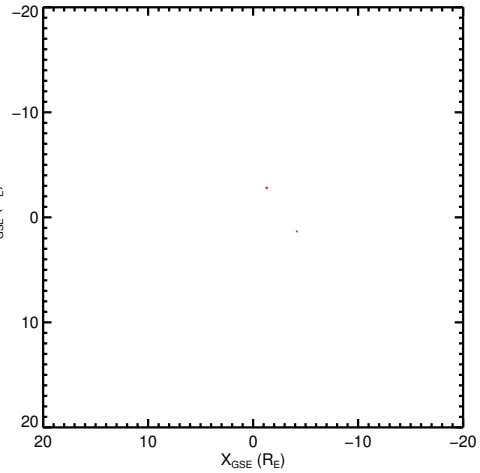




(a) 0000UT to 0005UT
fhe inv wal

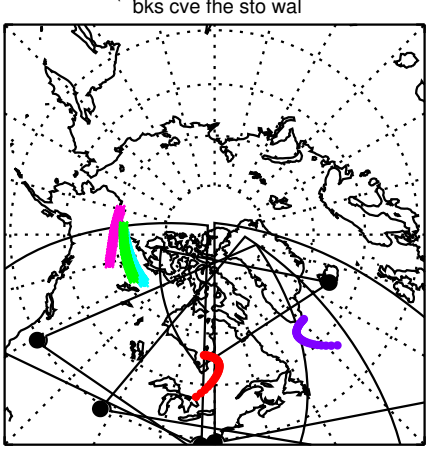


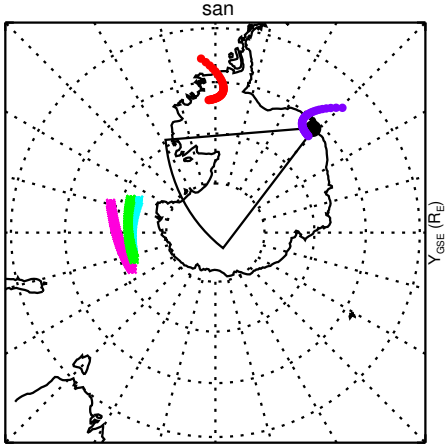


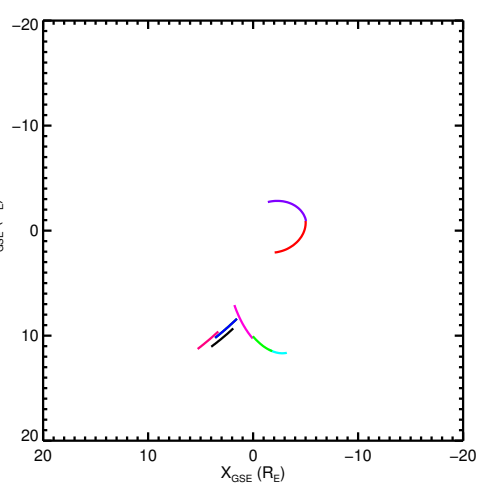


(b) 0215UT to 0530UT
bks cve fhe sto wal

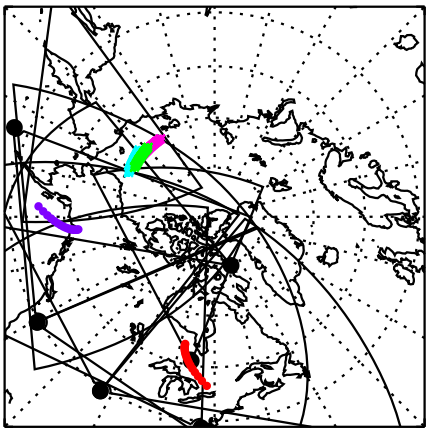
san

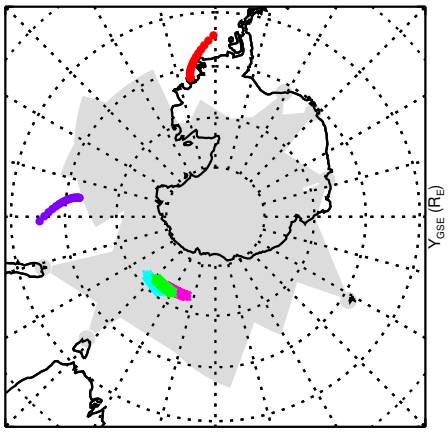


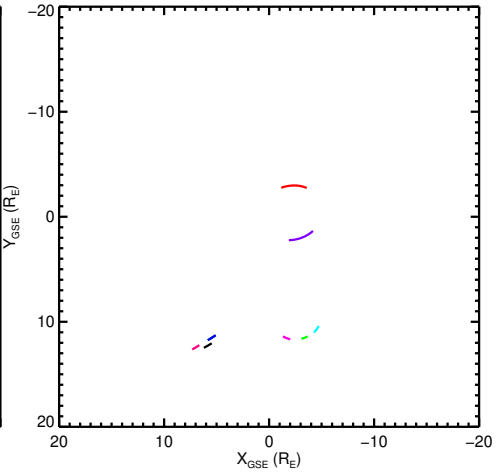




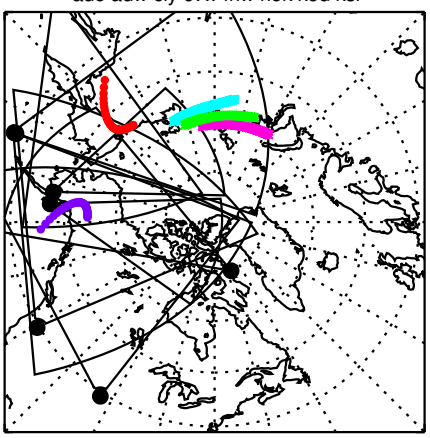
(c) 0740UT to 0905UT
ade bks cly cve cvw fhe fhw hok kap



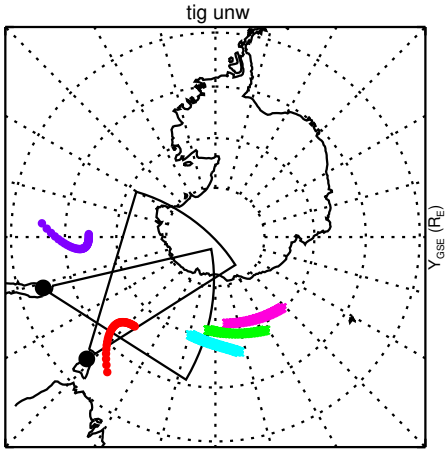


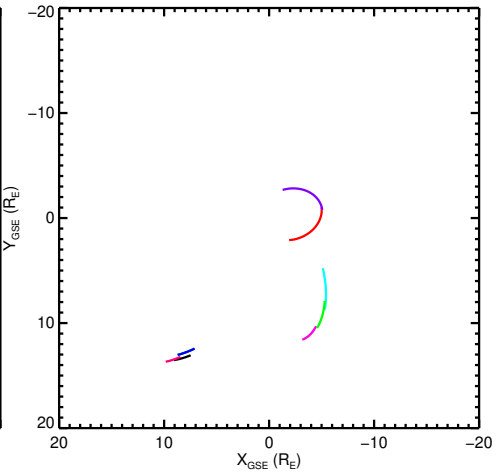


(d) 1110UT to 1435UT
ade adw cly cvw fhw hok kod ksr

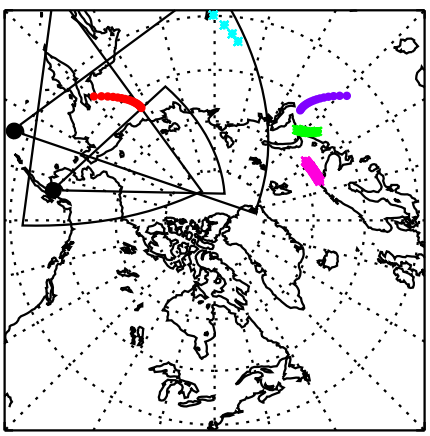


tig unw

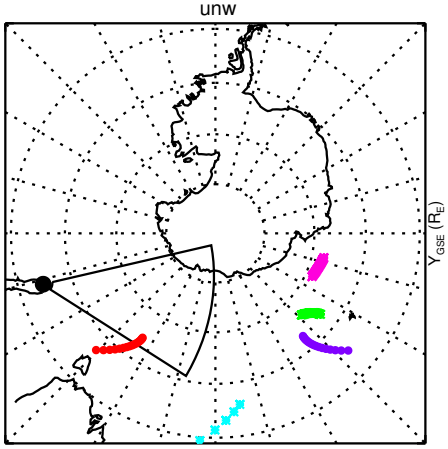


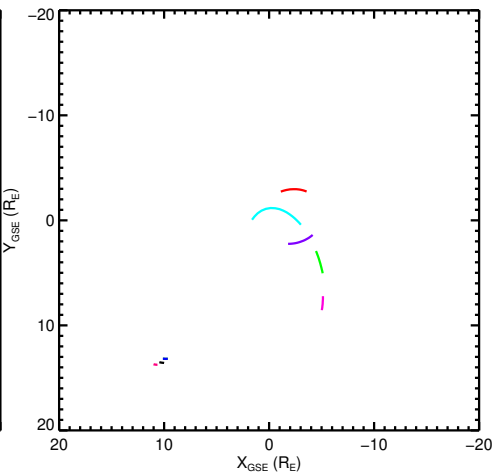


(e) 1640UT to 1805UT
adw hok ksr

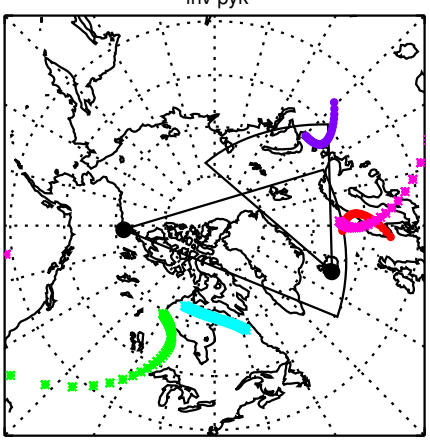


unw

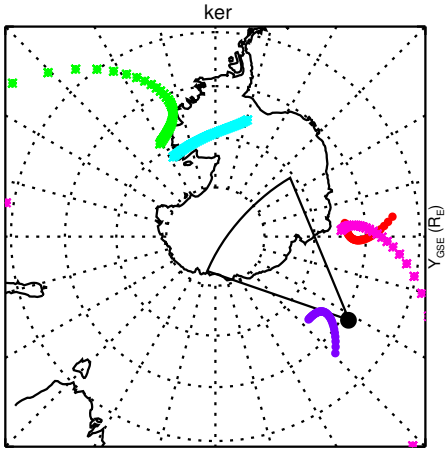


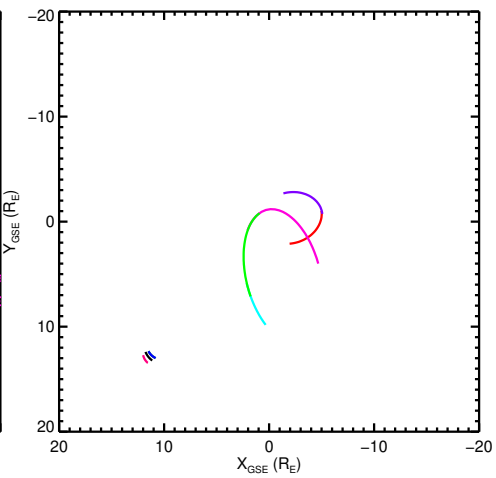


(f) 2010UT to 2335UT
inv pyk



ker

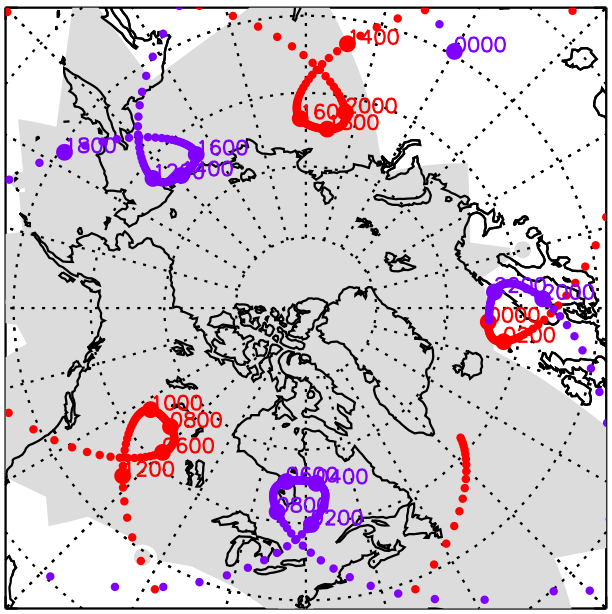


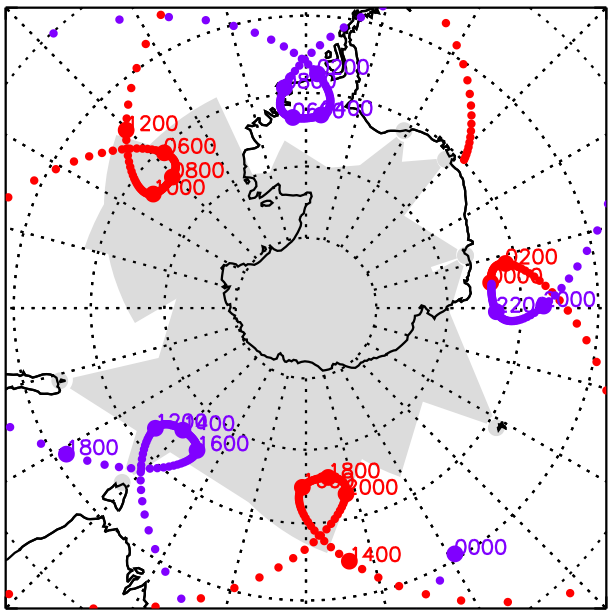


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

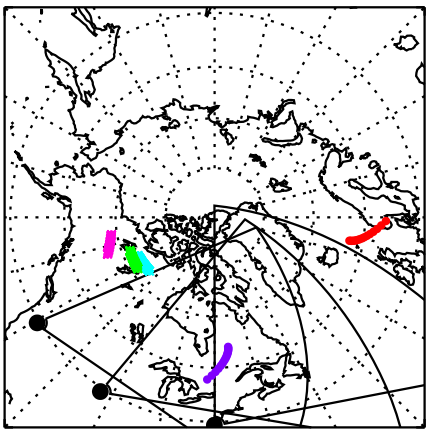
11–Jan–2015

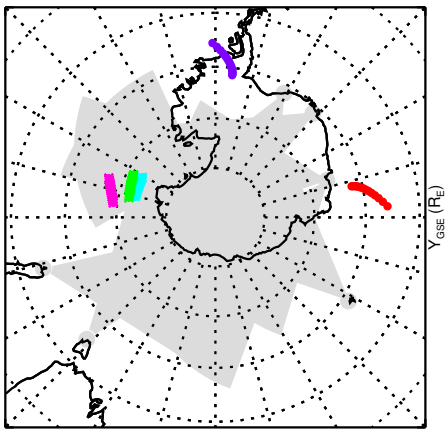
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

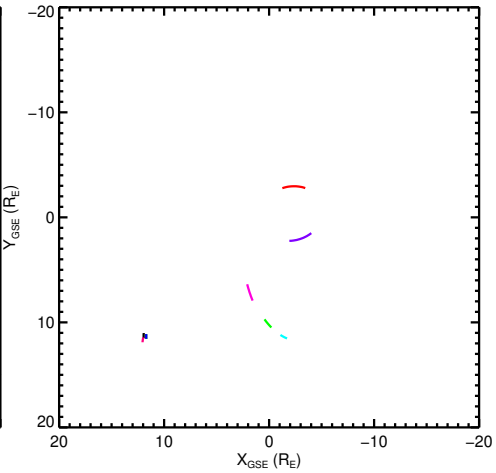




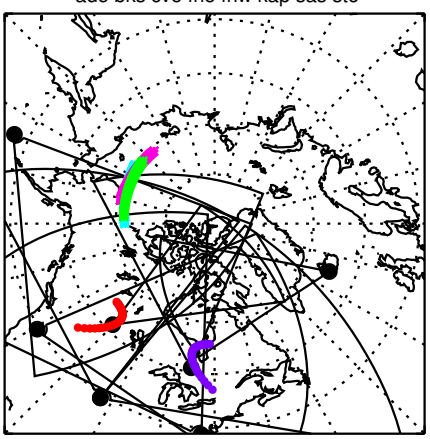
(a) 0145UT to 0300UT
cve fhe wal



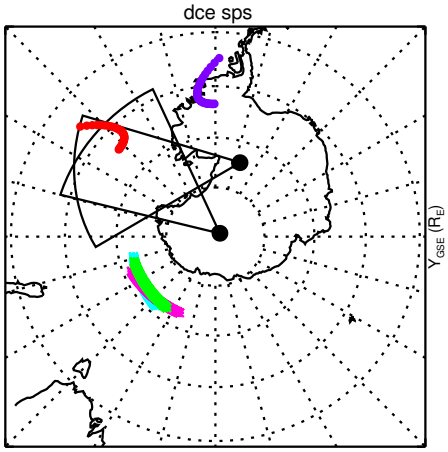


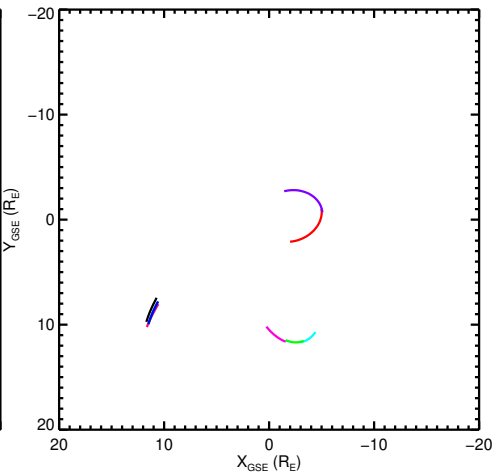


(b) 0510UT to 0835UT
ade bks cve fhe fhw kap sas sto

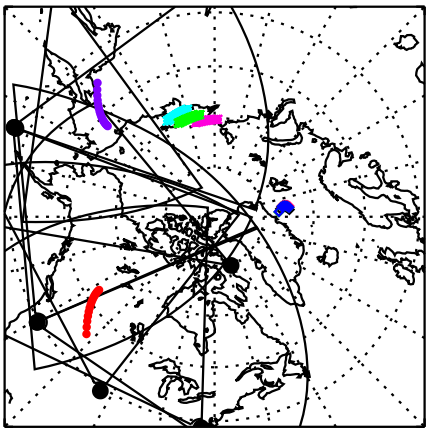


dce sps

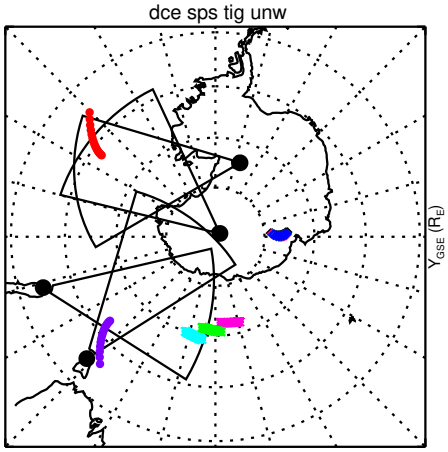


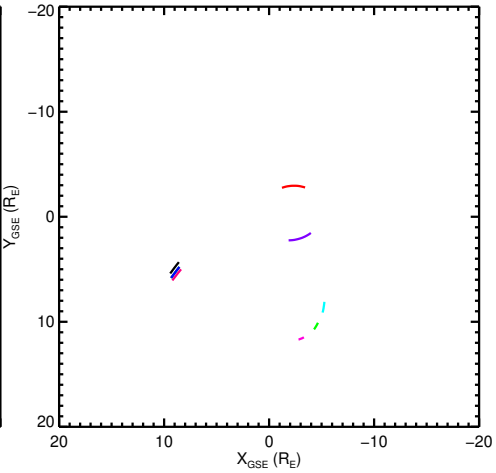


(c) 1045UT to 1200UT
ade adw bks cly cve cvw fhw hok

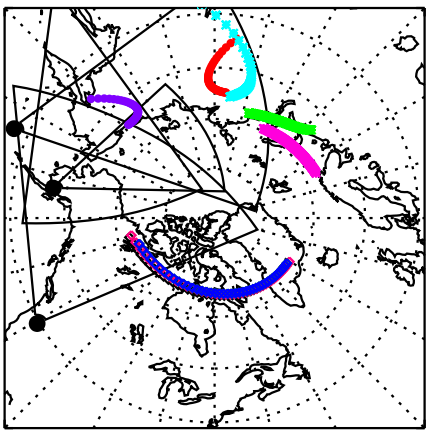


dce sps tig unw

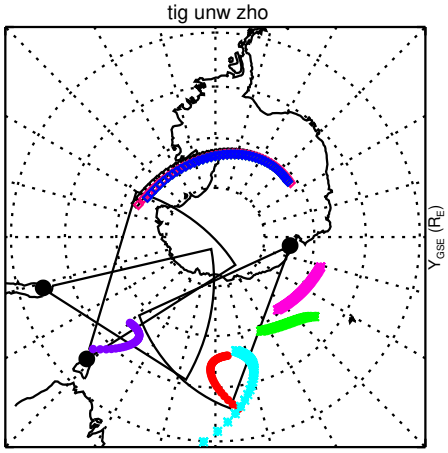


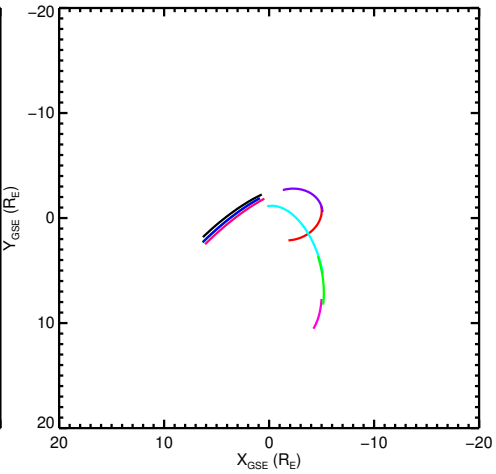


(d) 1405UT to 1740UT
adw cvw hok ksr

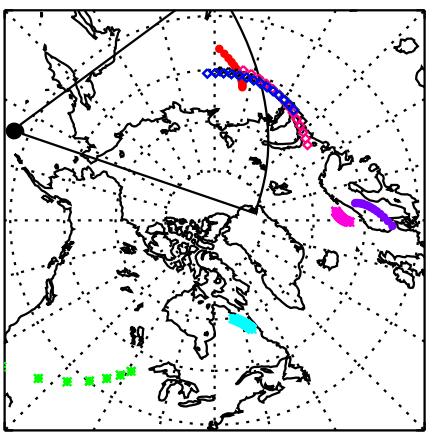


tig unw zho

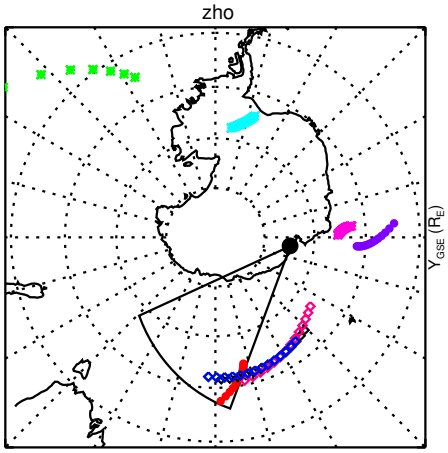


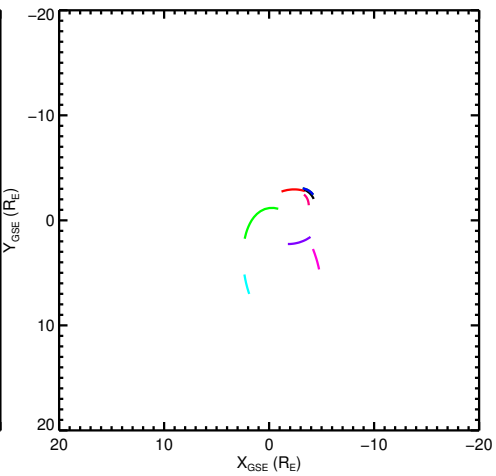


(e) 1945UT to 2100UT
adw

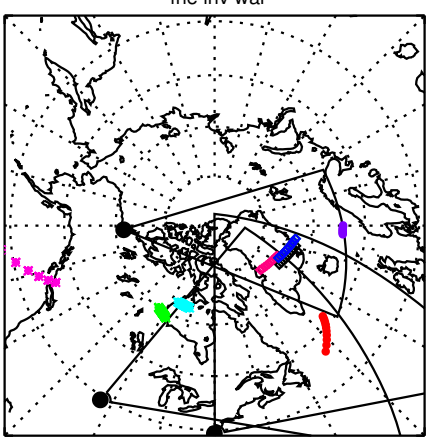


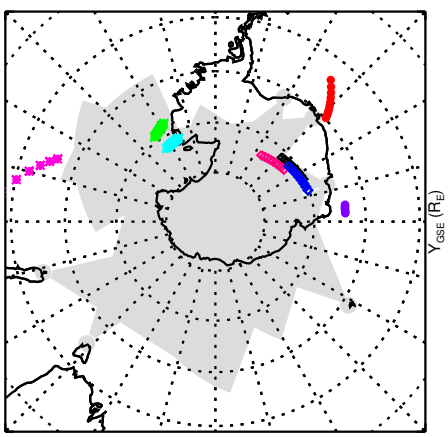
zho

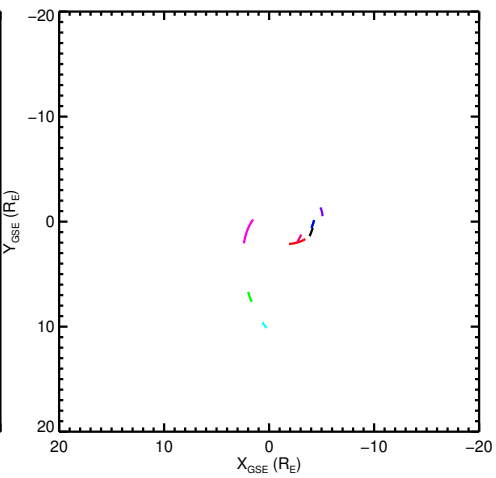




(f) 2305UT to 2355UT
fhe inv wal



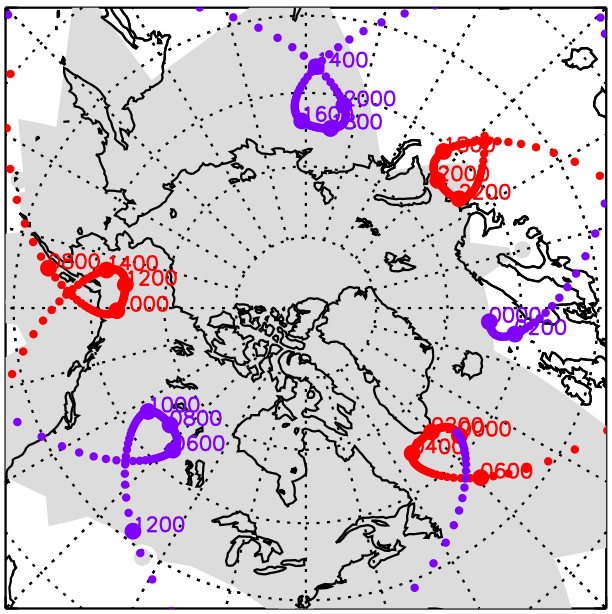


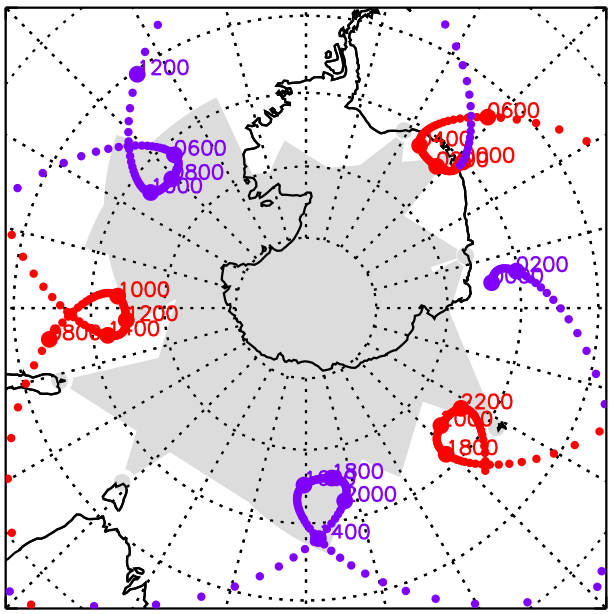


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

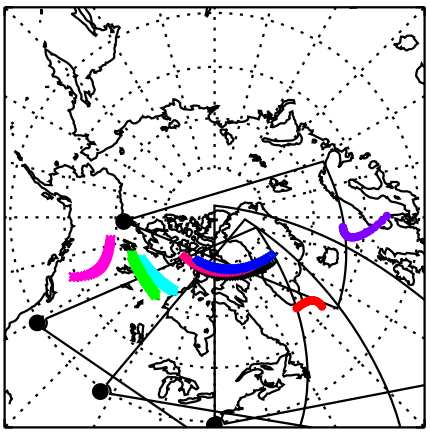
12–Jan–2015

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

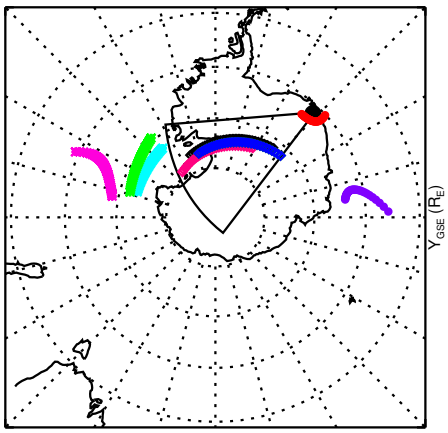


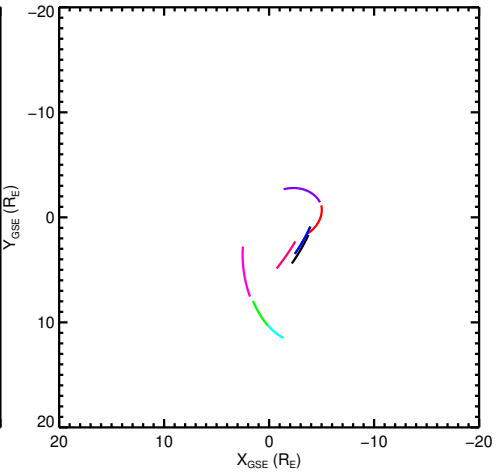


(a) 0000UT to 0240UT
cve fhe inv wal

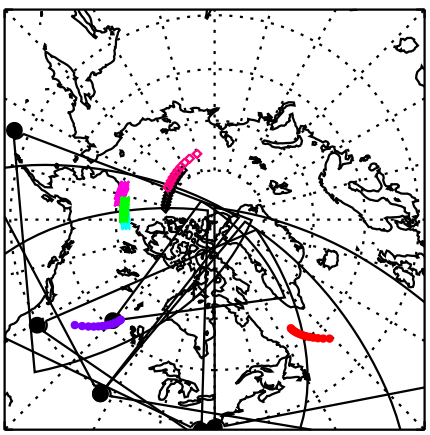


san

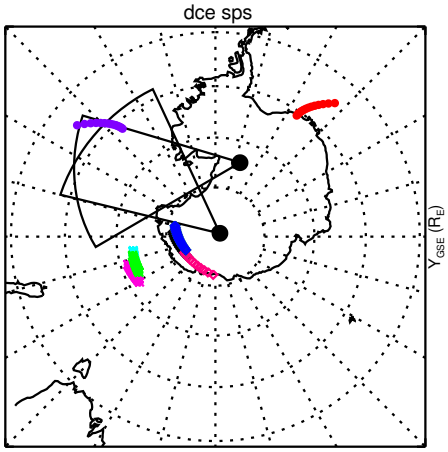


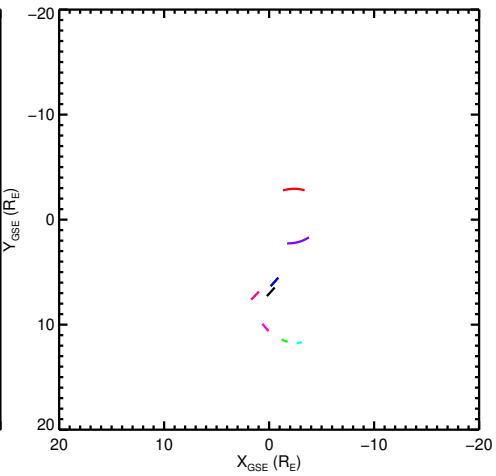


(b) 0445UT to 0555UT
ade bks cve fhe fhw sas wal

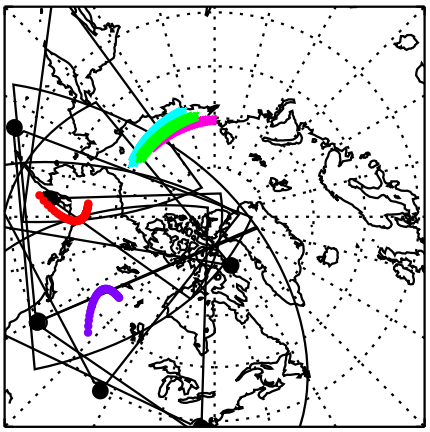


dce sps

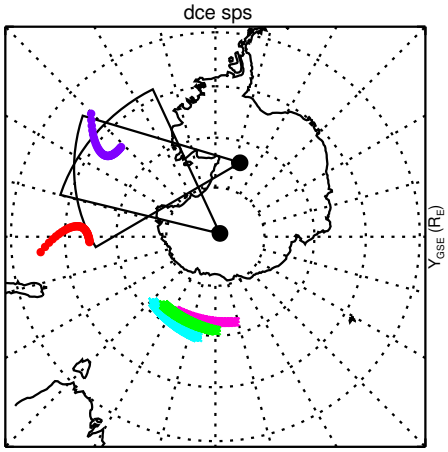


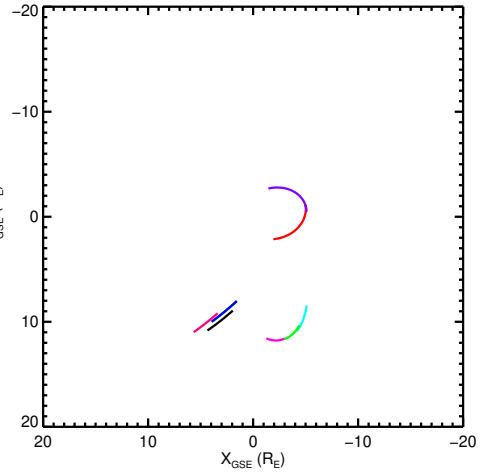


(c) 0805UT to 1140UT
ade bks cly cve cvw fhw hok kod

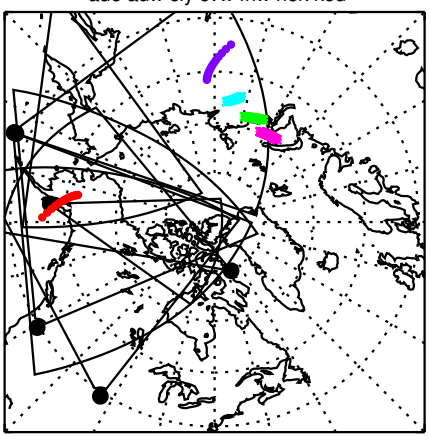


dce sps

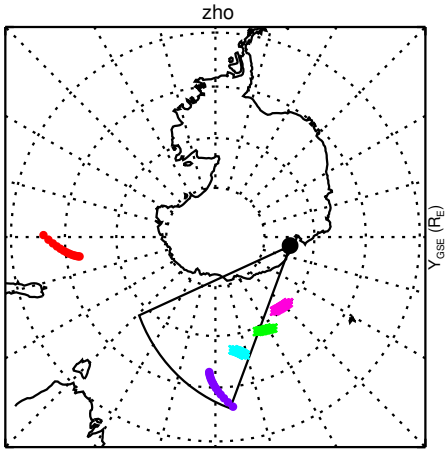


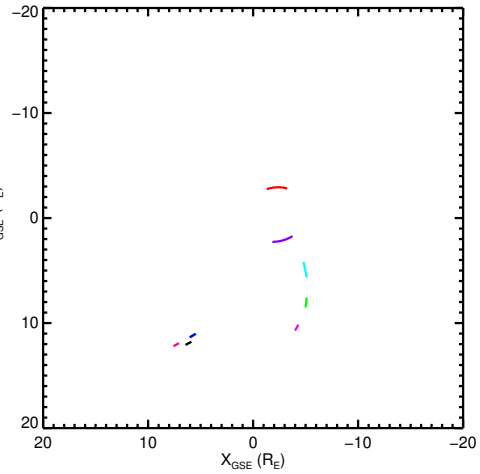


(d) 1350UT to 1455UT
ade adw cly cvw fhw hok kod

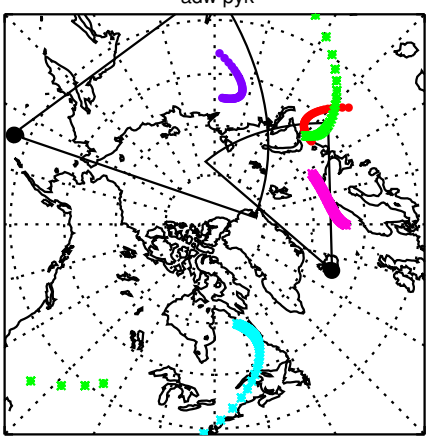


zho

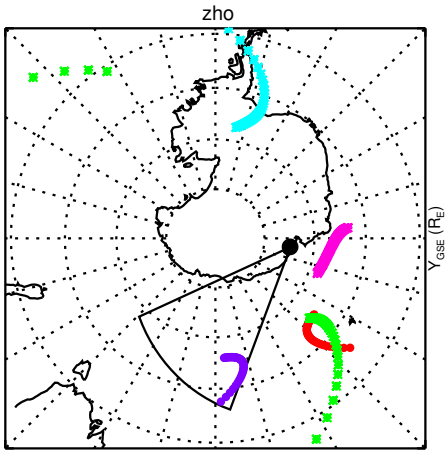


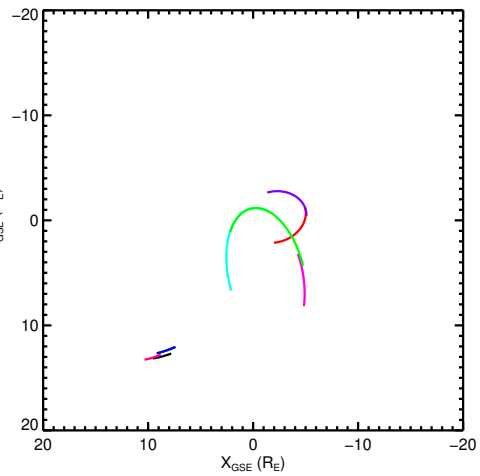


(e) 1705UT to 2045UT
adw pyk

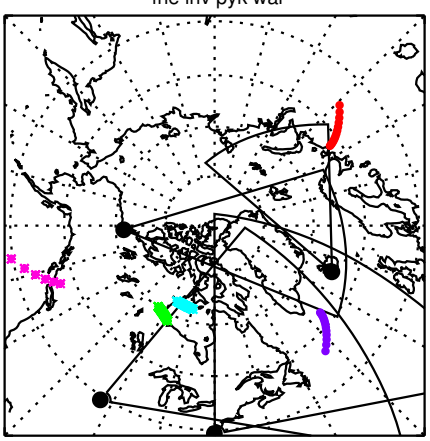


zho

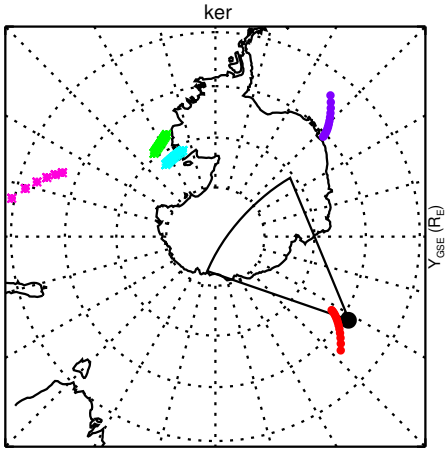


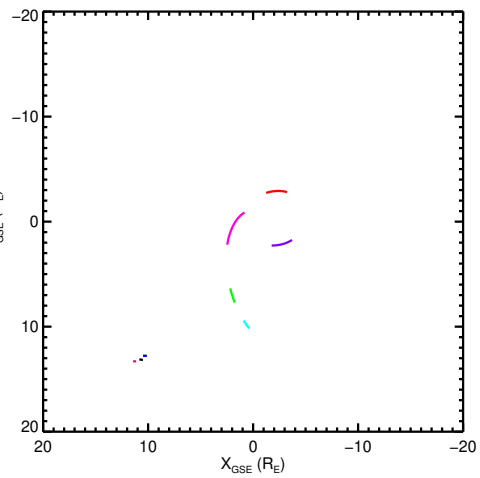


(f) 2250UT to 2355UT
fhe inv pyk wal



ker

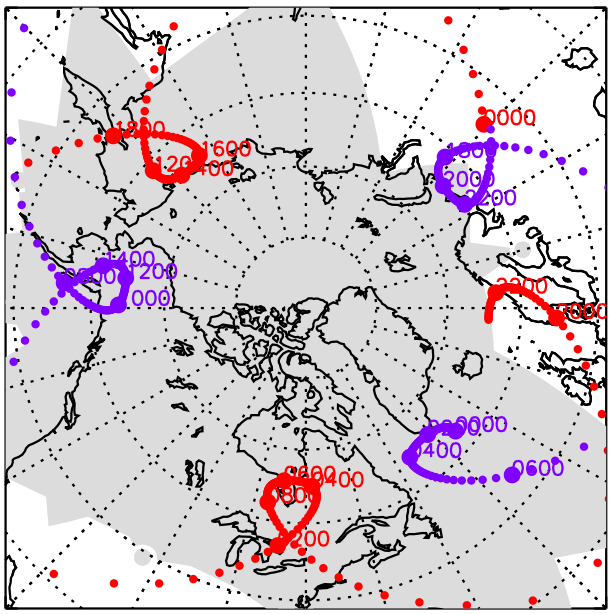


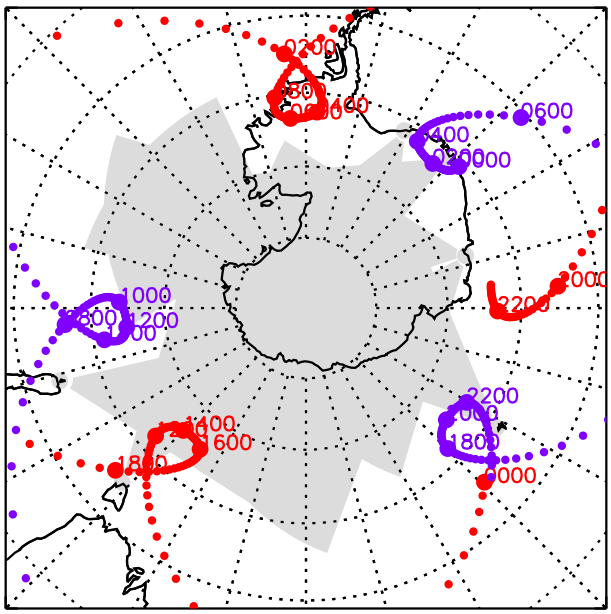


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

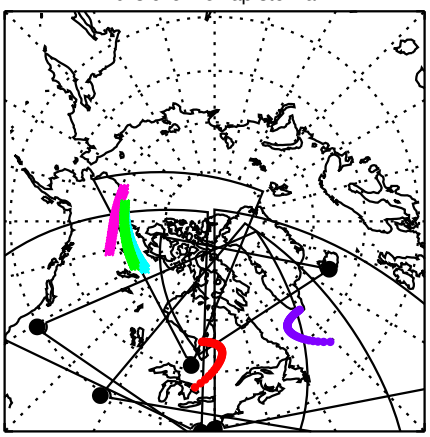
13–Jan–2015

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

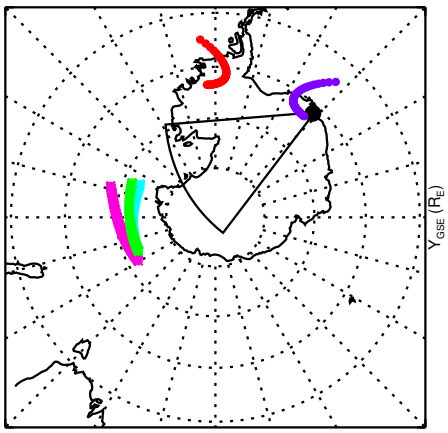


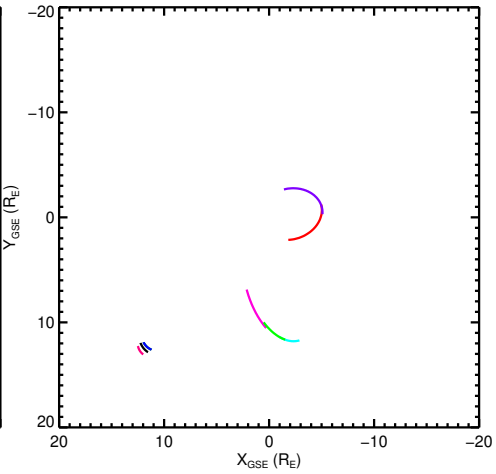


(a) 0200UT to 0545UT
bks cve fhe kap sto wal

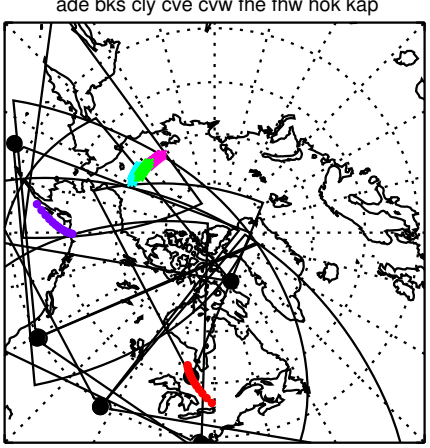


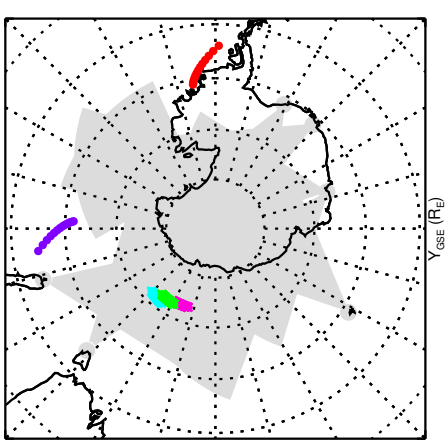
san

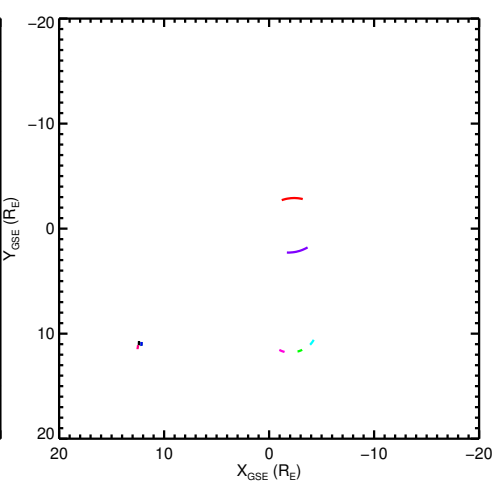




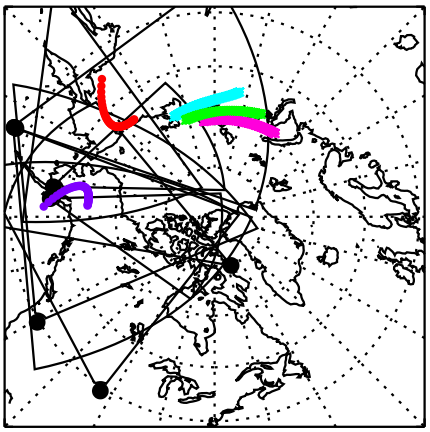
(b) 0750UT to 0855UT
ade bks cly cve cvw fhe fhw hok kap



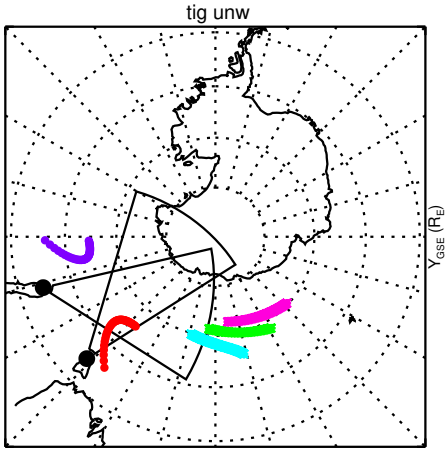


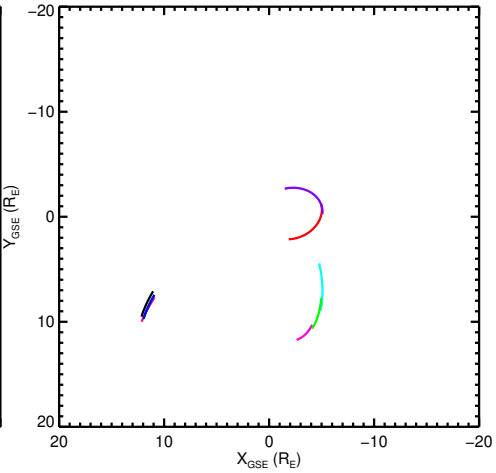


(c) 1100UT to 1445UT
ade adw cly cvw fhw hok kod ksr

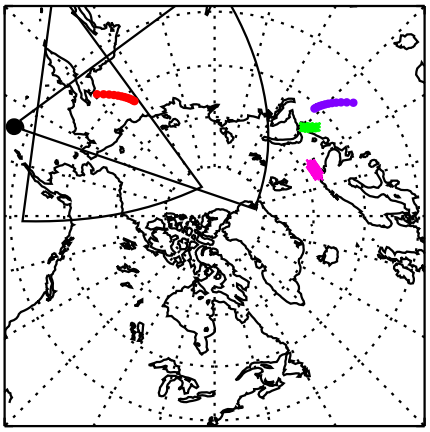


tig unw

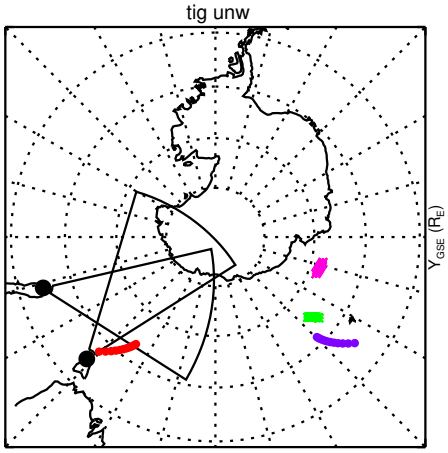


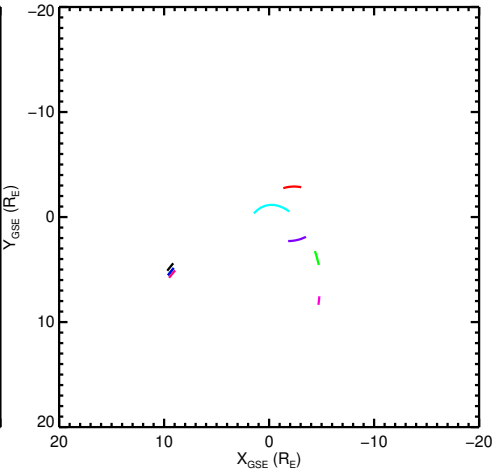


(d) 1655UT to 1750UT
adw hok

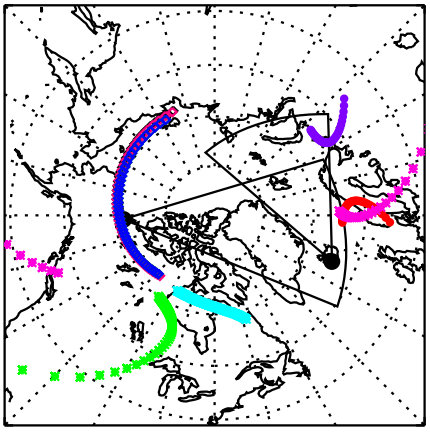


tig unw

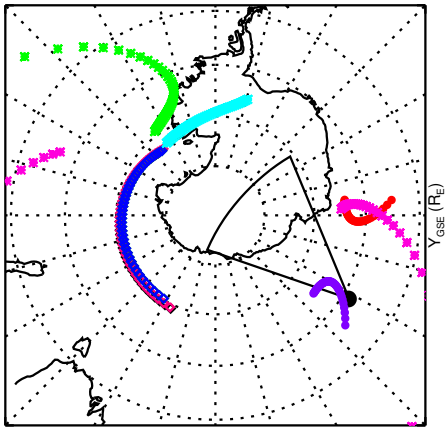


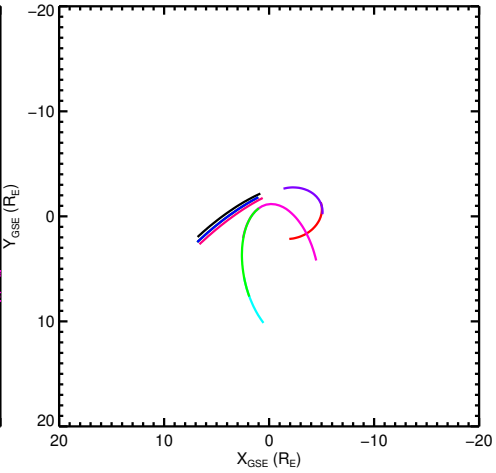


(e) 2000UT to 2350UT
inv pyk



ker

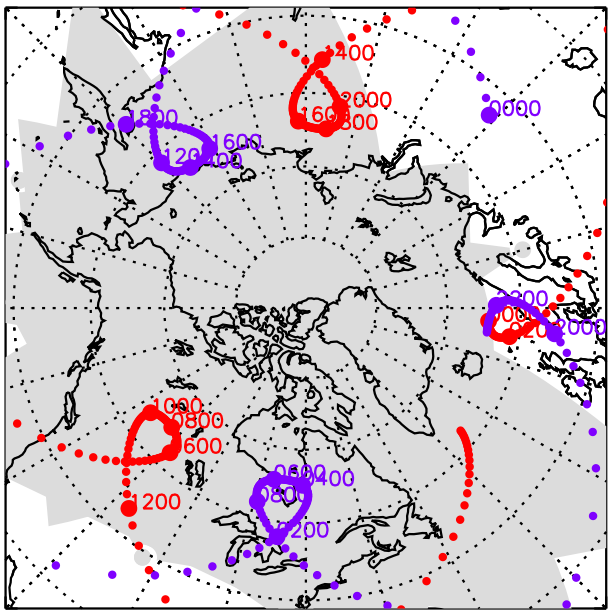


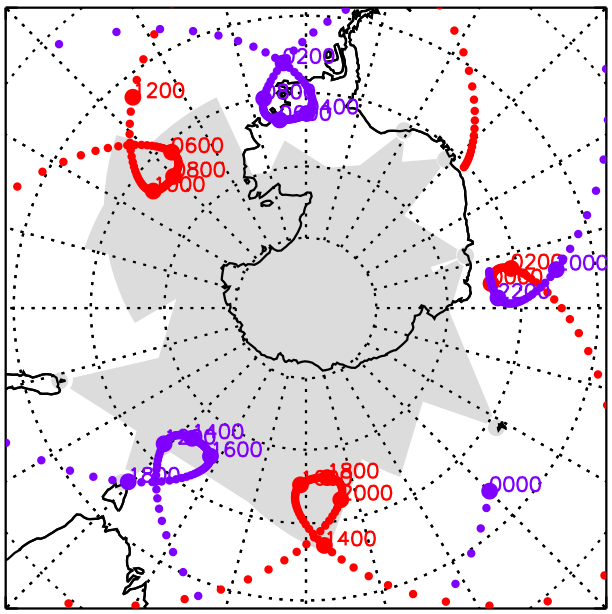


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

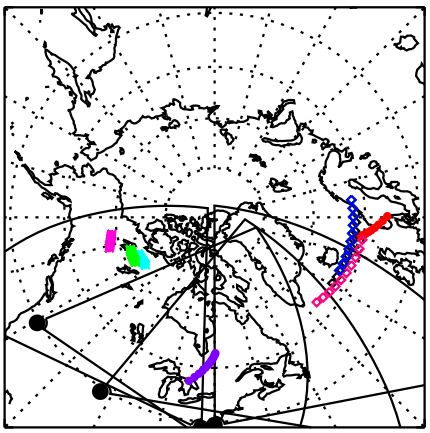
14–Jan–2015

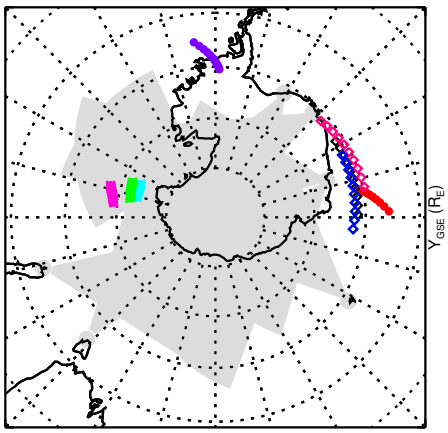
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

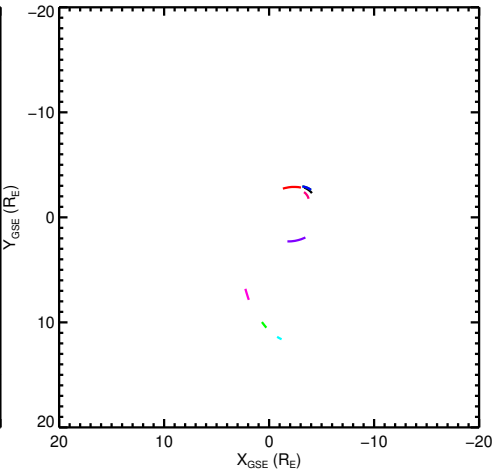




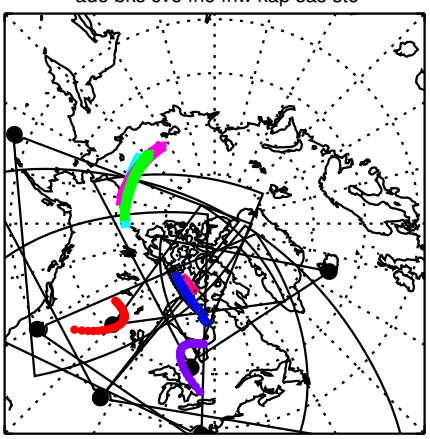
(a) 0155UT to 0250UT
bks cve fhe wal



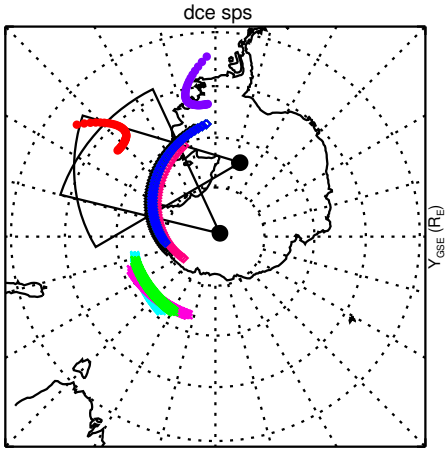


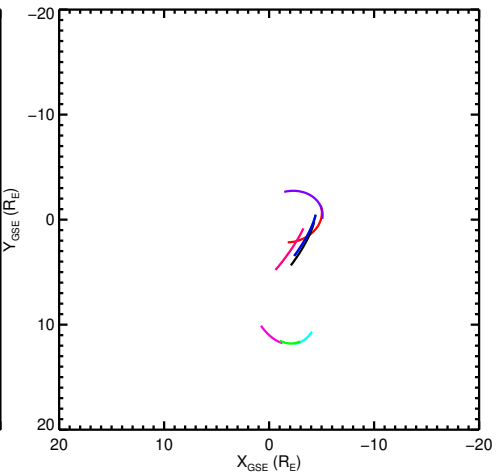


(b) 0455UT to 0850UT
ade bks cve fhe fhw kap sas sto



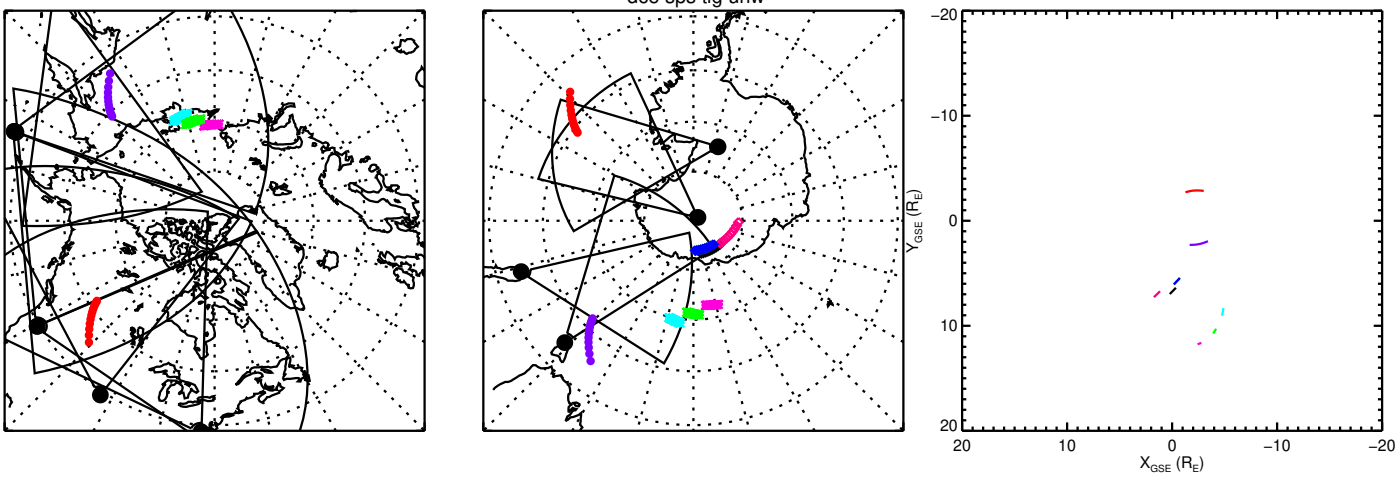
dce sps





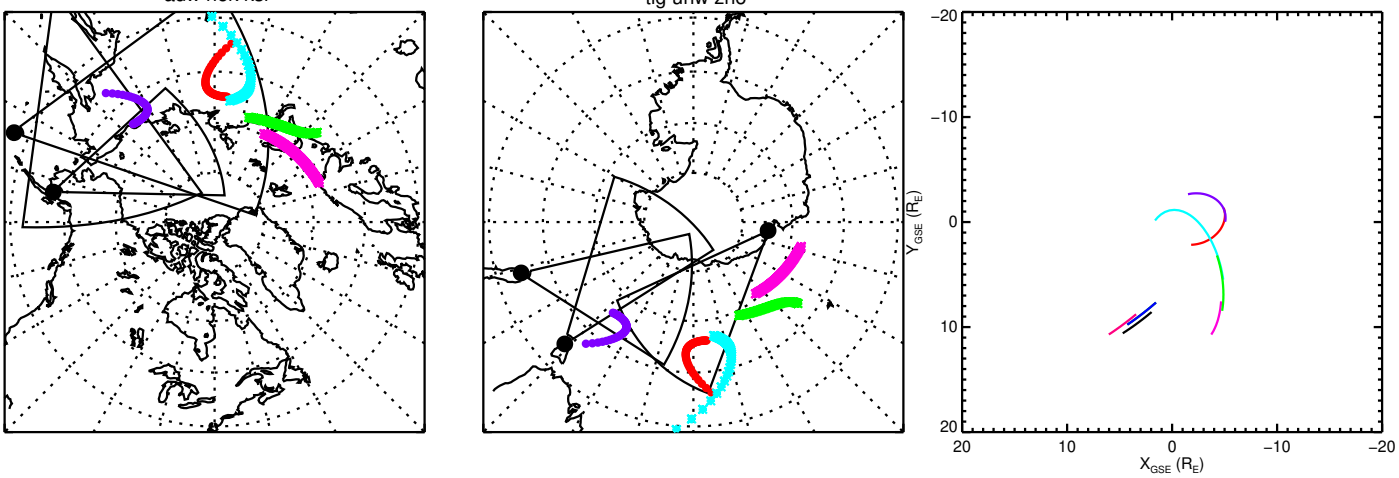
(c) 1055UT to 1150UT
ade adw bks cve cvw fhw hok

dce sps tig unw



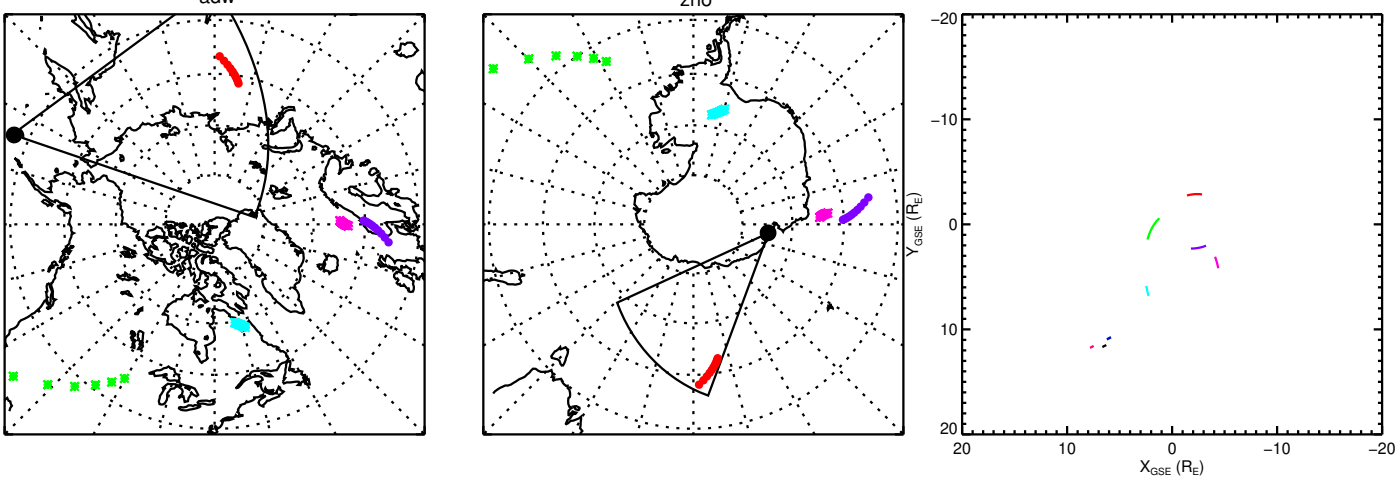
(d) 1355UT to 1750UT
adw hok ksr

tig unw zho

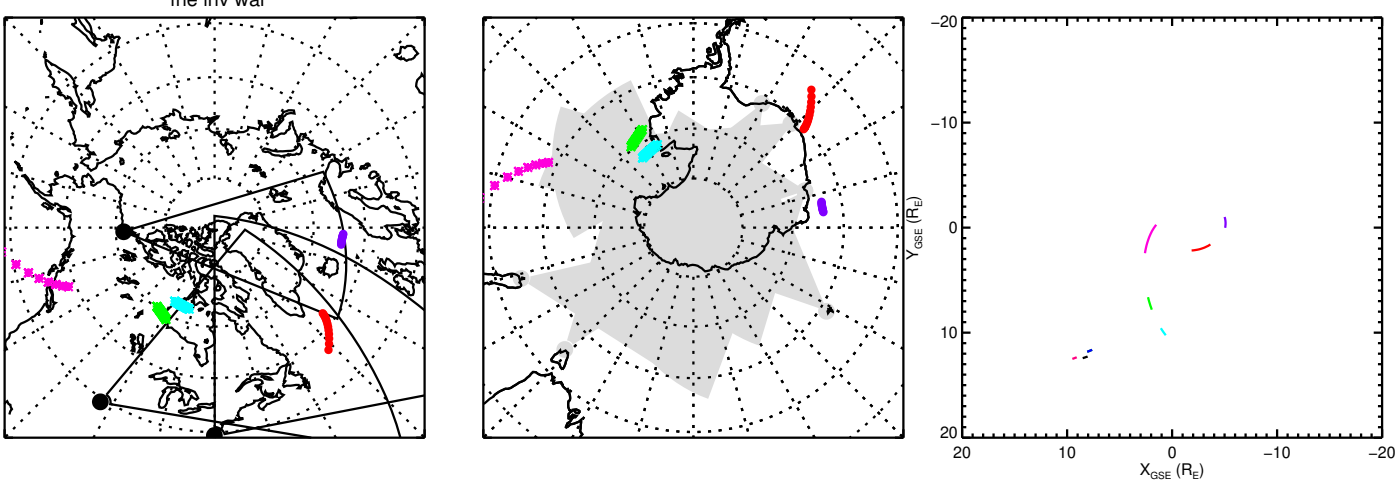


(e) 2000UT to 2045UT
adw

zho



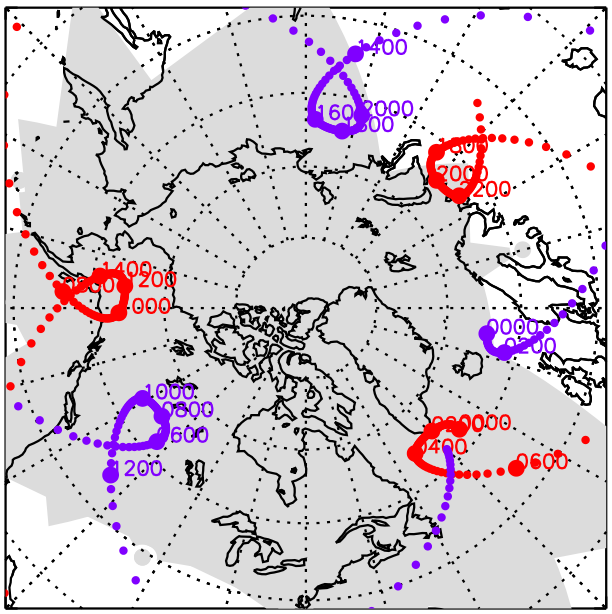
(f) 2255UT to 2355UT
fhe inv wal

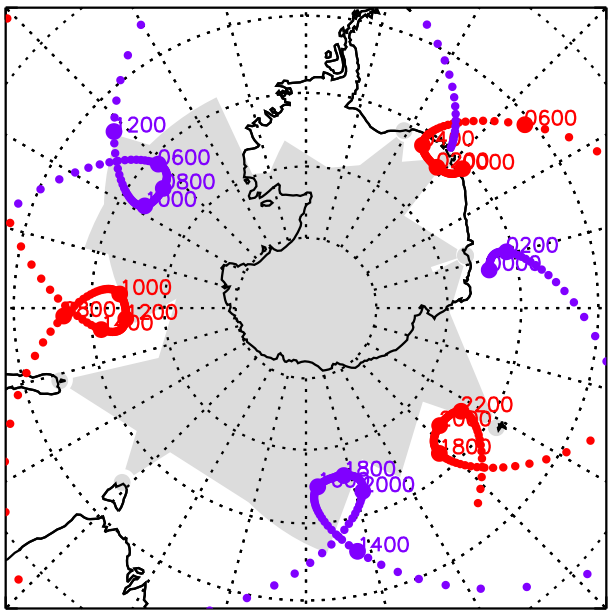


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

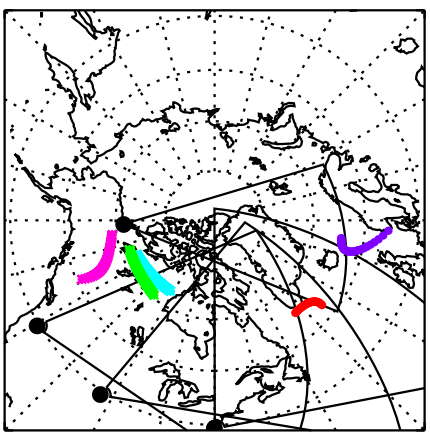
15–Jan–2015

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

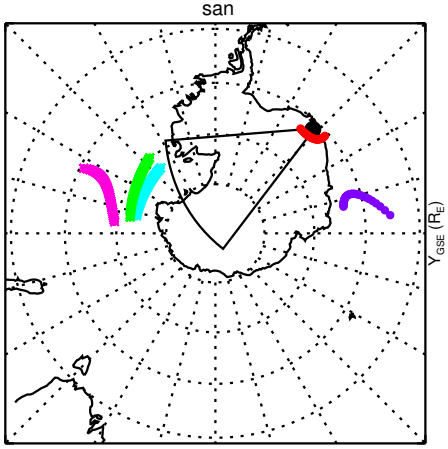


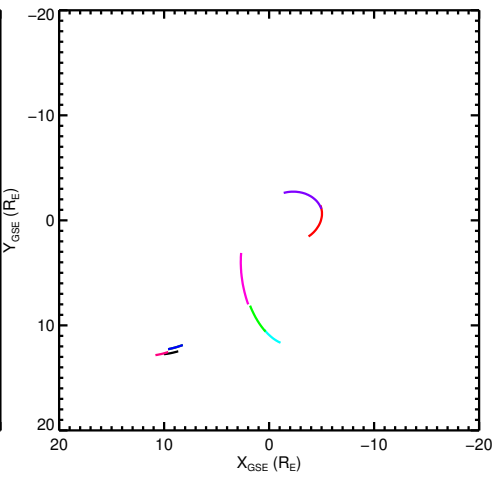


(a) 0000UT to 0255UT
cve fhe inv wal

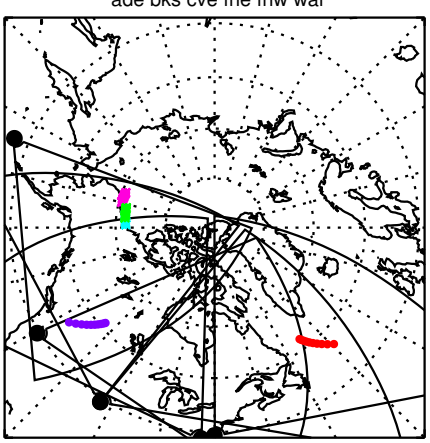


san

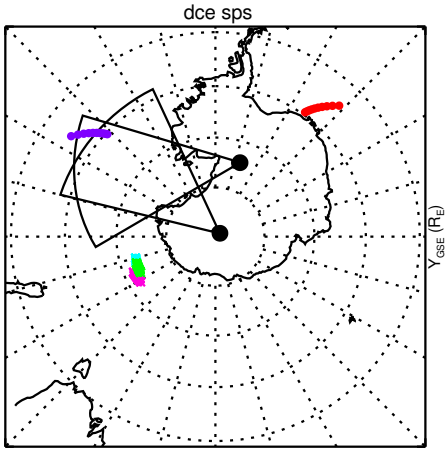


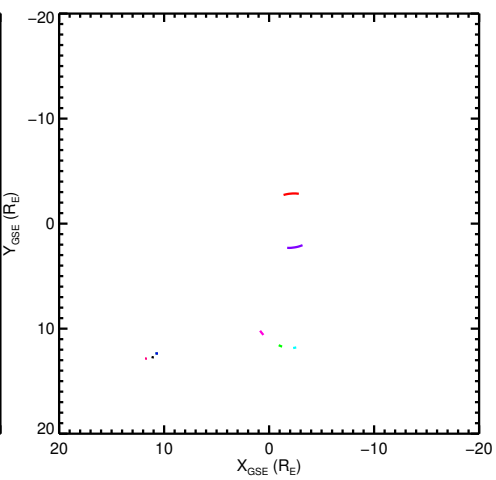


(b) 0500UT to 0545UT
ade bks cve fhe fhw wal

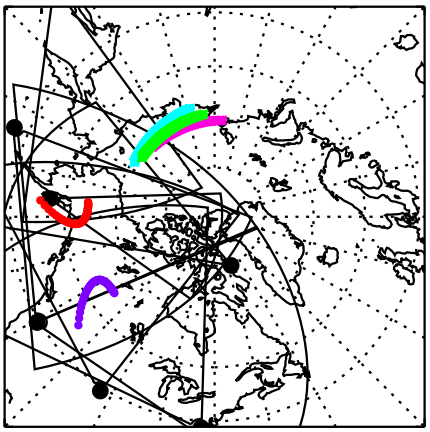


dce sps

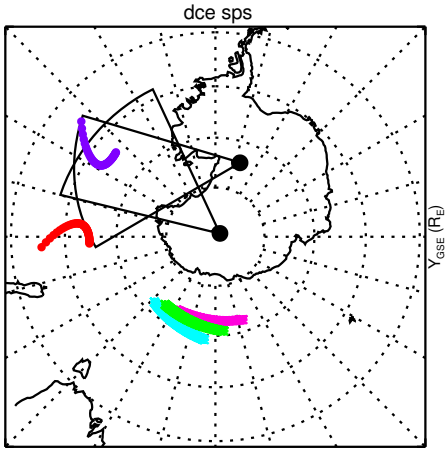


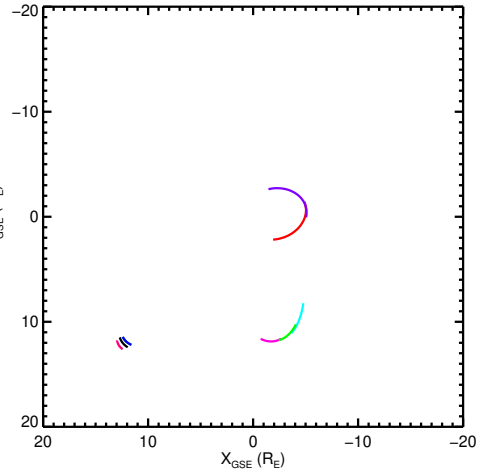


(c) 0755UT to 1155UT
ade bks cly cve cvw fhw hok kod

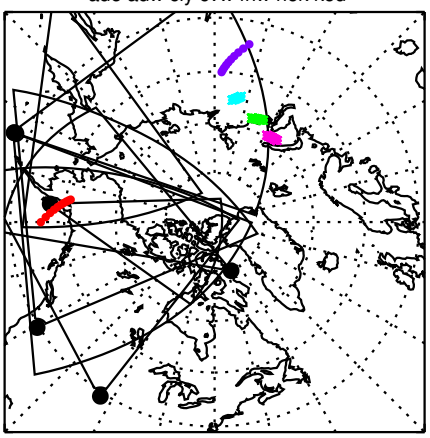


dce sps

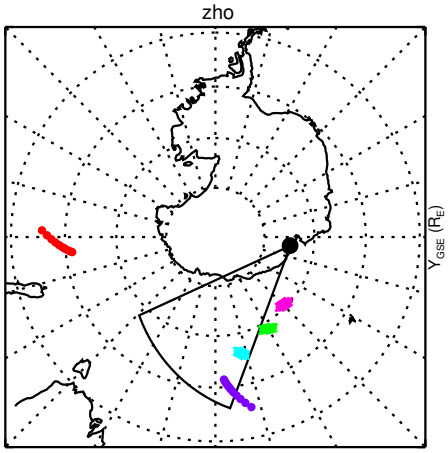


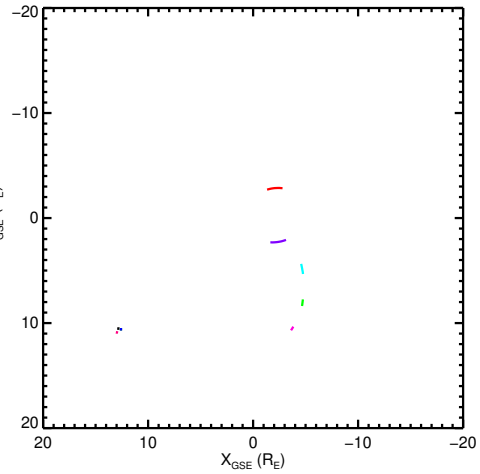


(d) 1400UT to 1445UT
ade adw cly cvw fhw hok kod

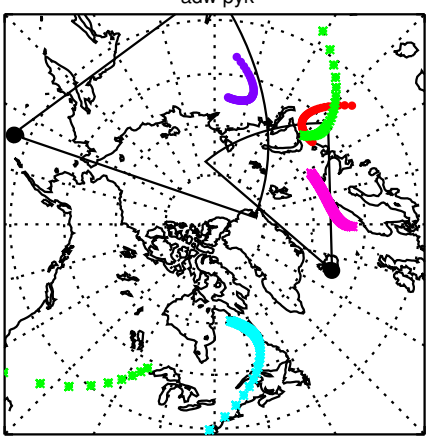


zho

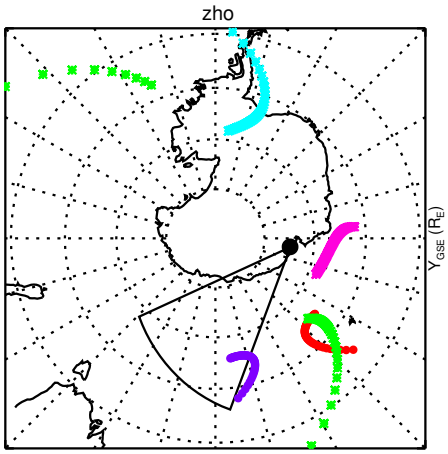


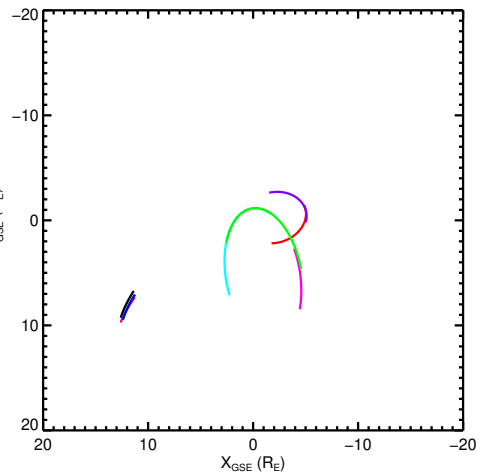


(e) 1650UT to 2055UT
adw pyk

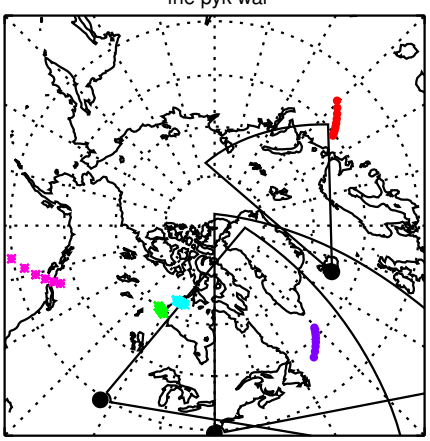


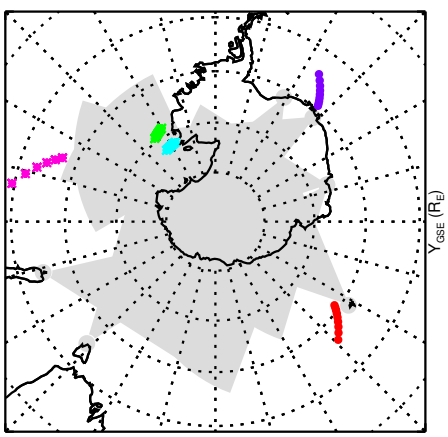
zho

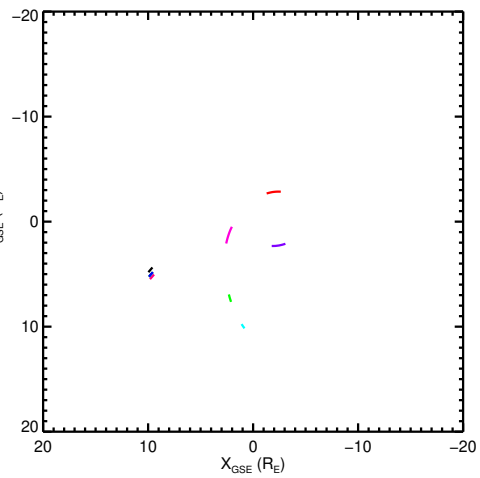




(f) 2305UT to 2345UT
fhe pyk wal



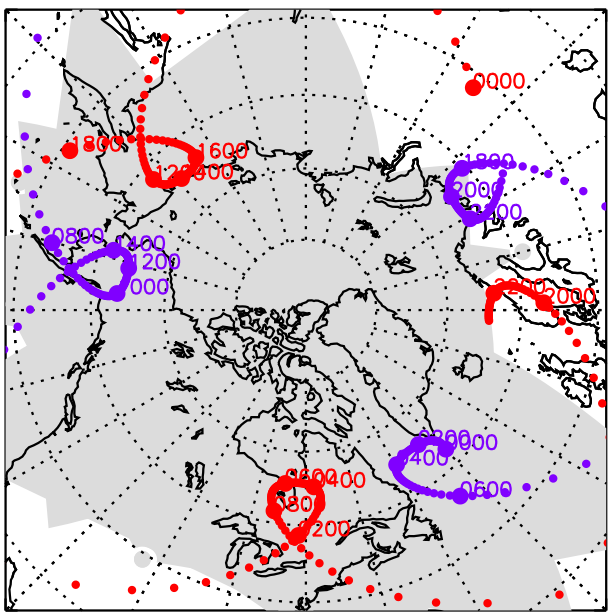


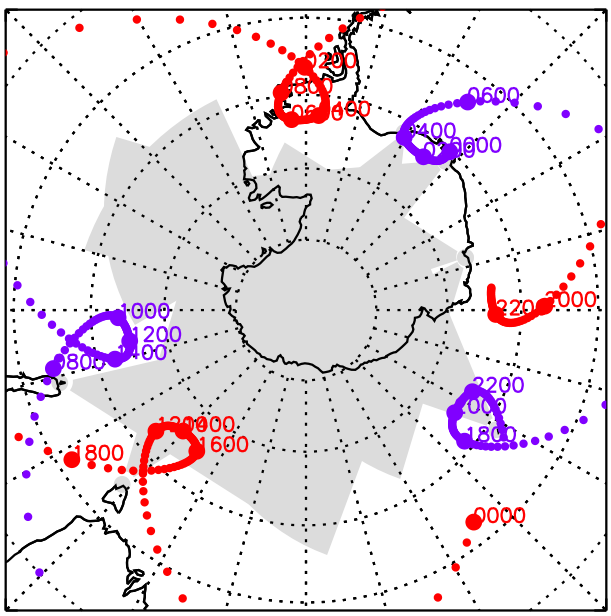


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

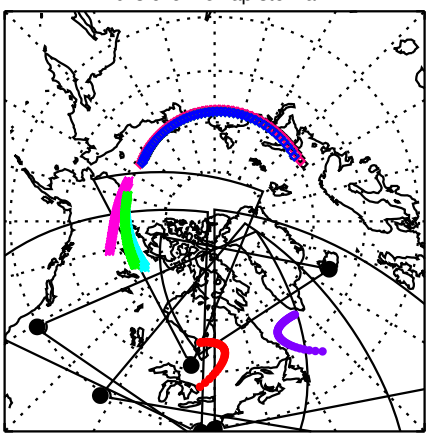
16–Jan–2015

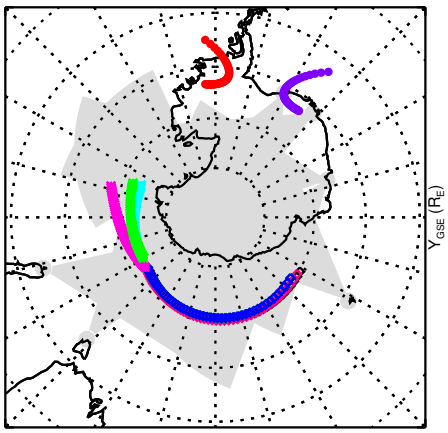
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

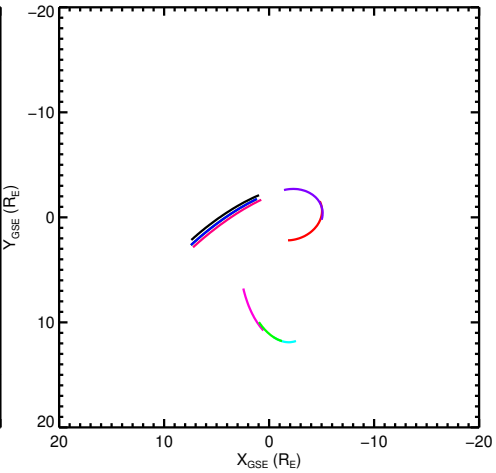




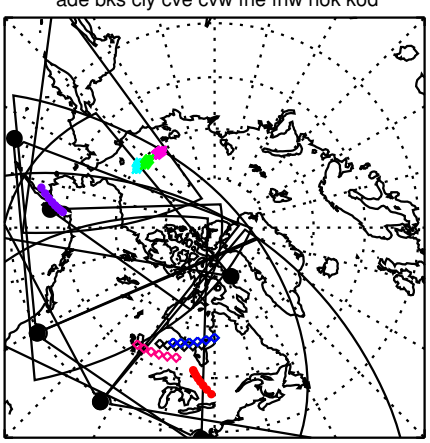
(a) 0150UT to 0600UT
bks cve fhe kap sto wal

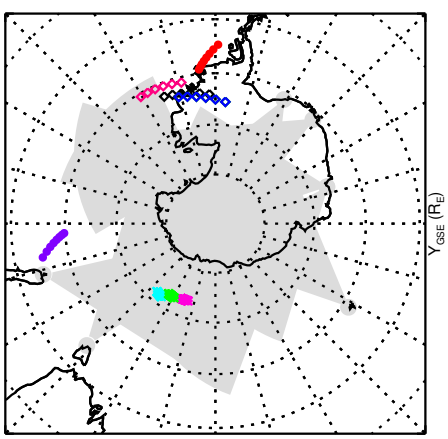


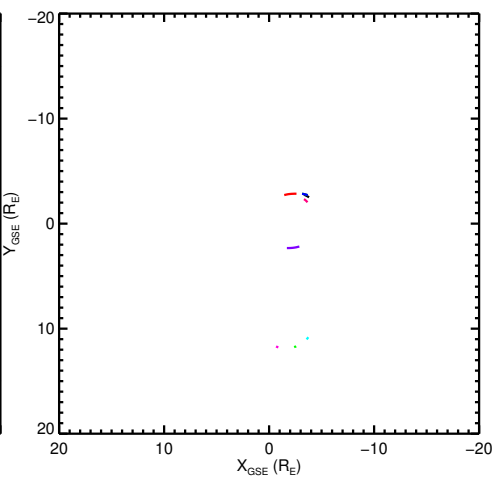




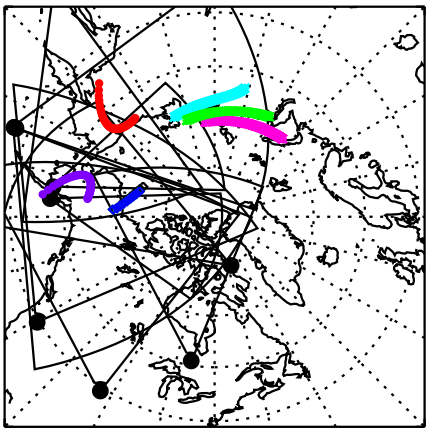
(b) 0805UT to 0840UT
ade bks cly cve cvw fhe fhw hok kod



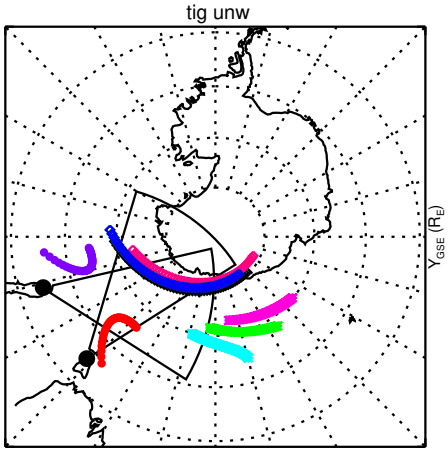


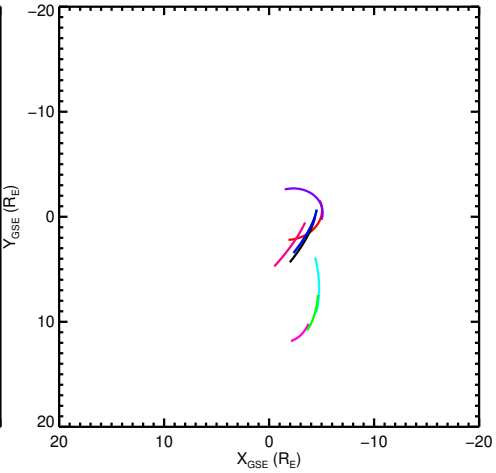


(c) 1050UT to 1500UT
ade adw cly cvw fhw hok kap kod ksr

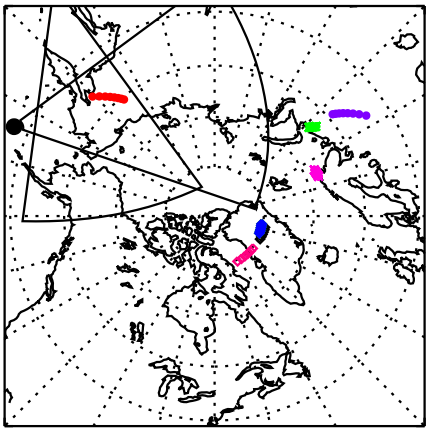


tig unw

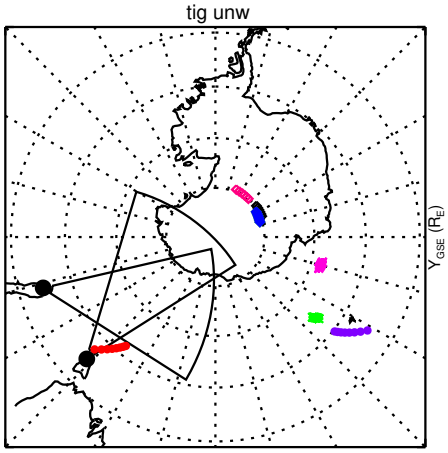


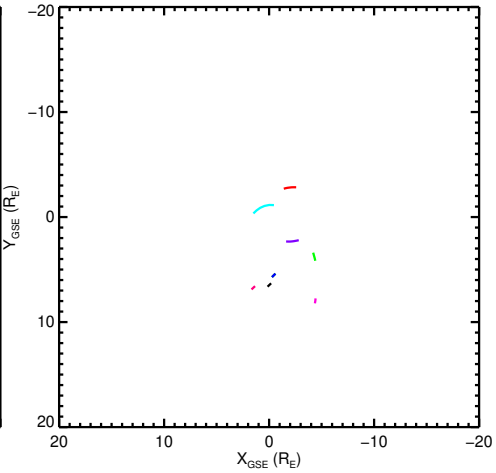


(d) 1705UT to 1740UT
adw hok

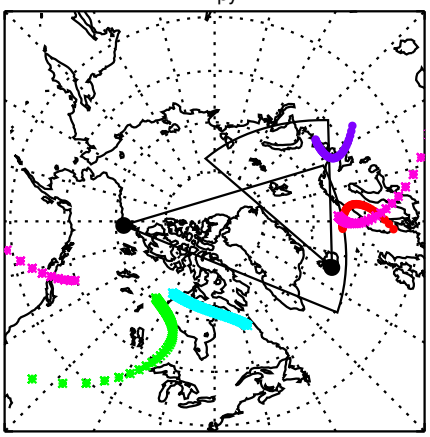


tig unw

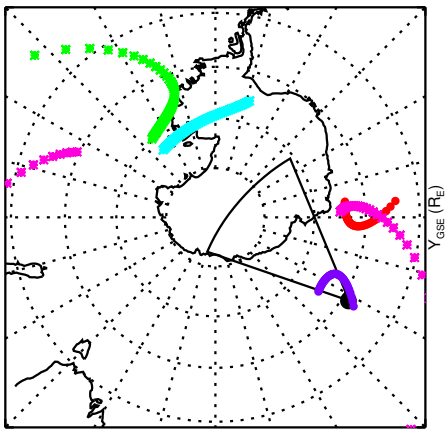


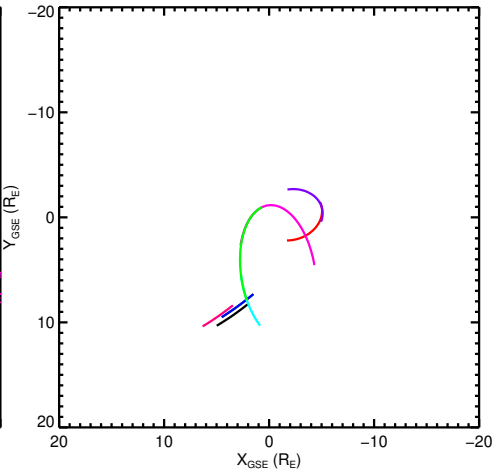


(e) 1945UT to 2355UT
inv pyk



ker

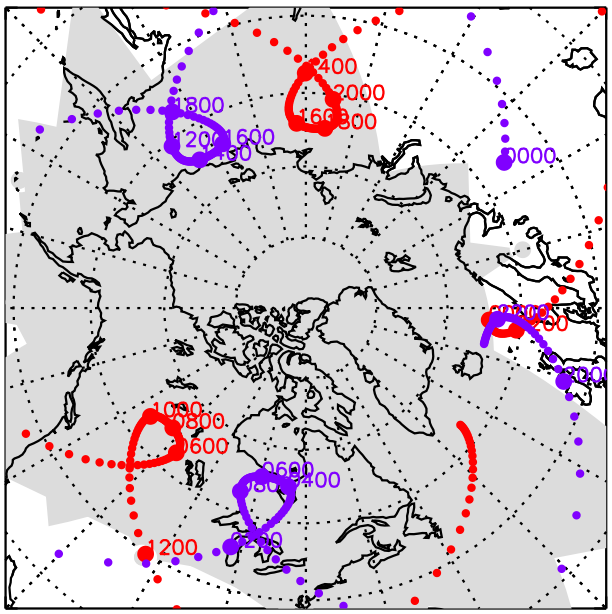


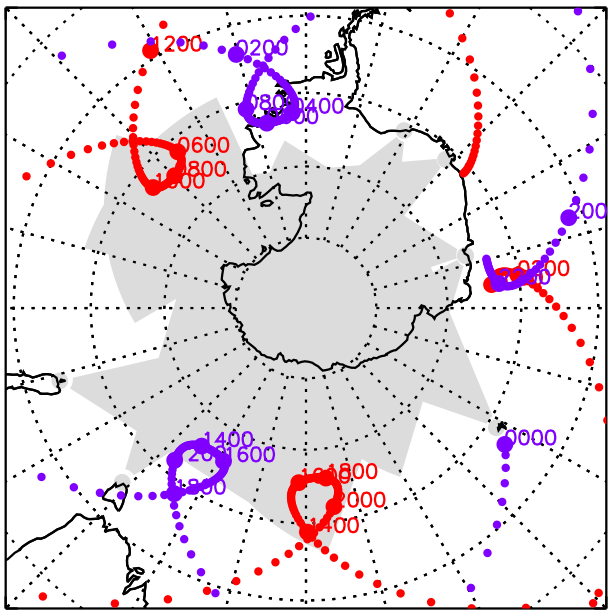


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

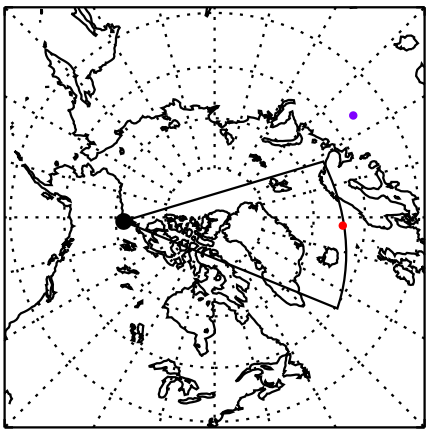
17–Jan–2015

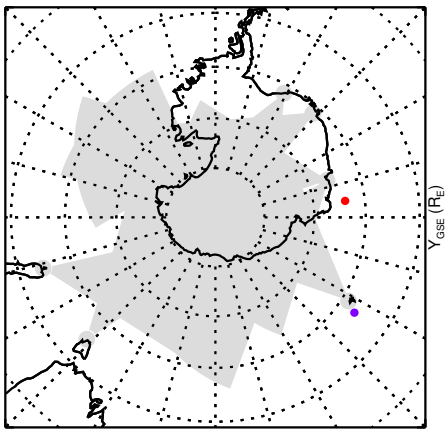
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

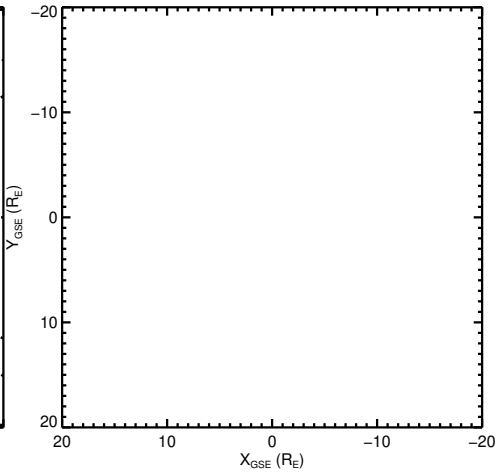




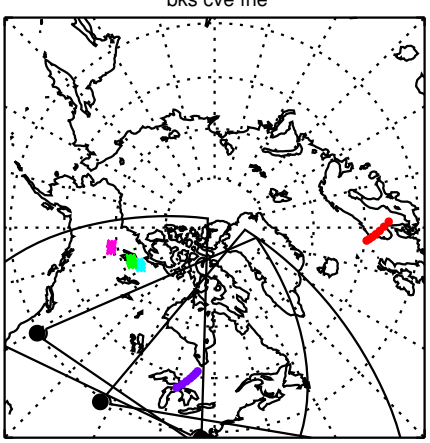
(a) 0000UT to 0000UT
inv

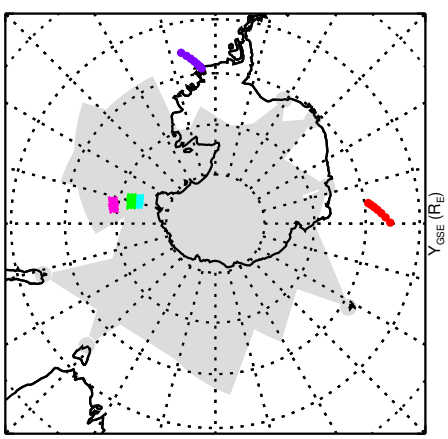


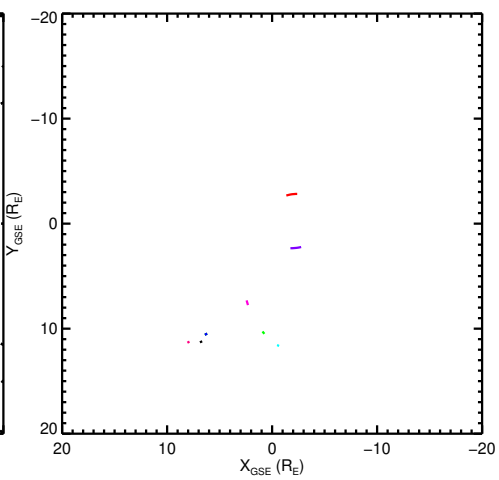




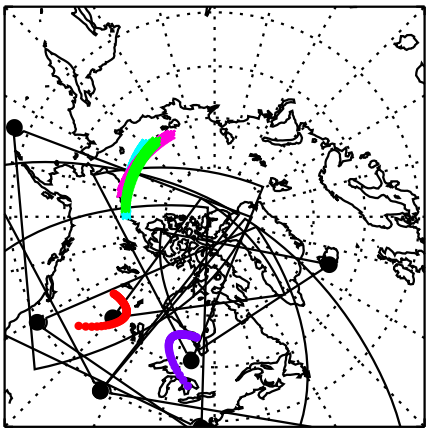
(b) 0210UT to 0240UT
bks cve fhe



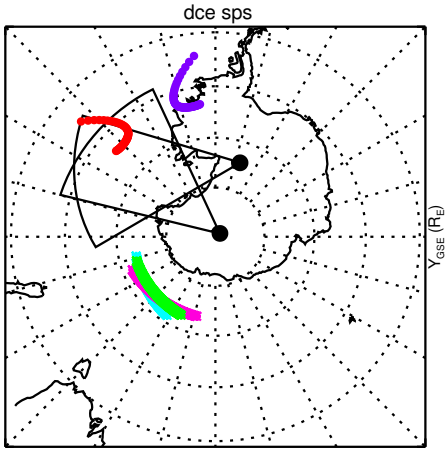


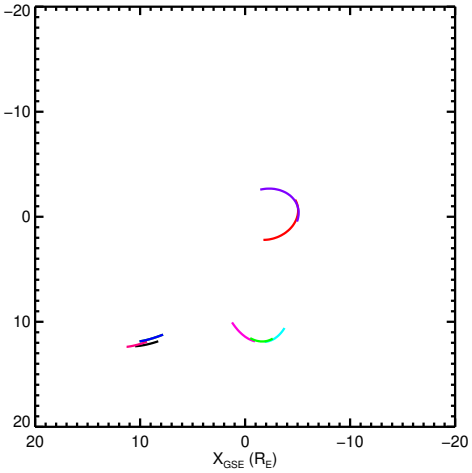


(c) 0445UT to 0905UT
ade bks cve fhe fhw kap sas sto

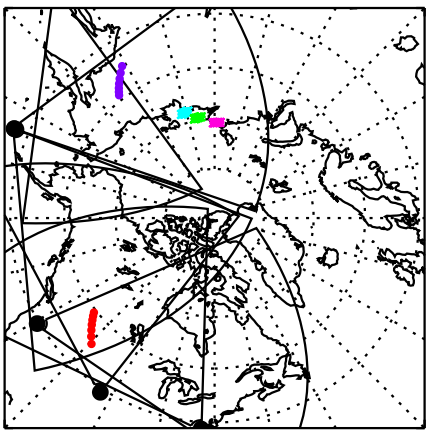


dce sps

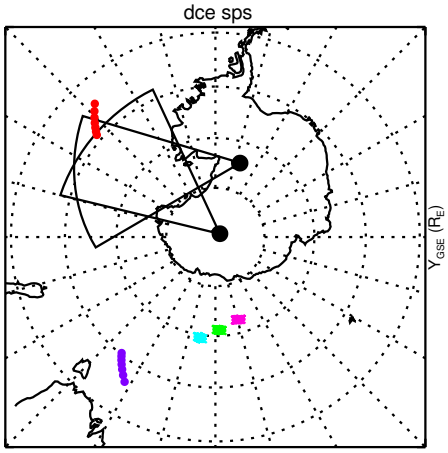


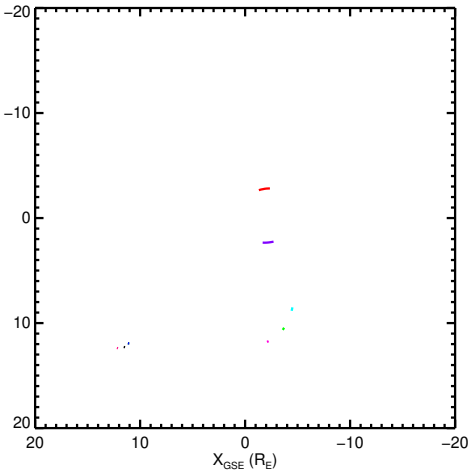


(d) 1110UT to 1140UT
ade adw bks cve fhw hok

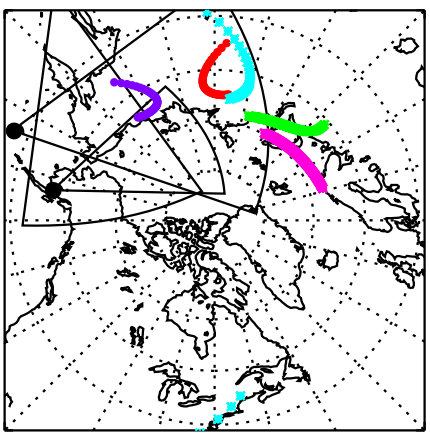


dce sps

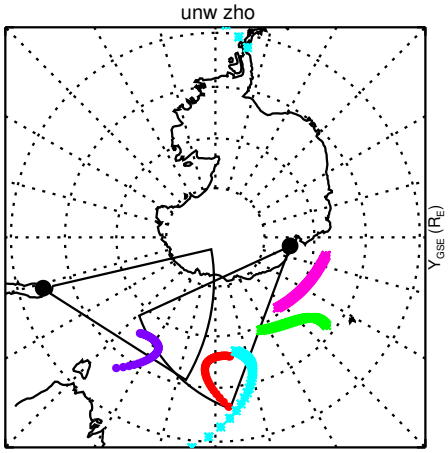


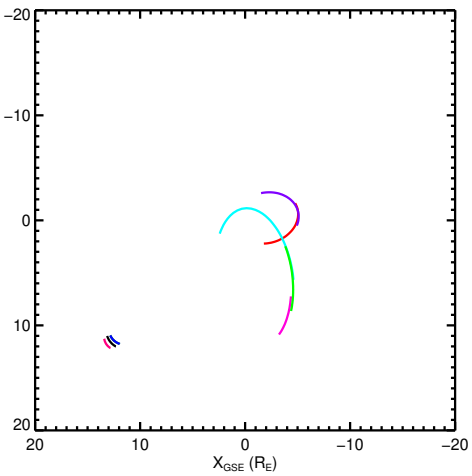


(e) 1345UT to 1805UT
adw hok ksr

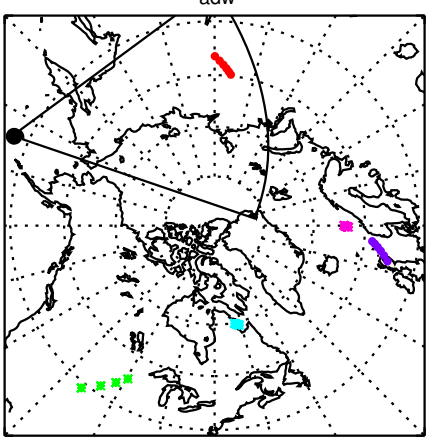


unw zho

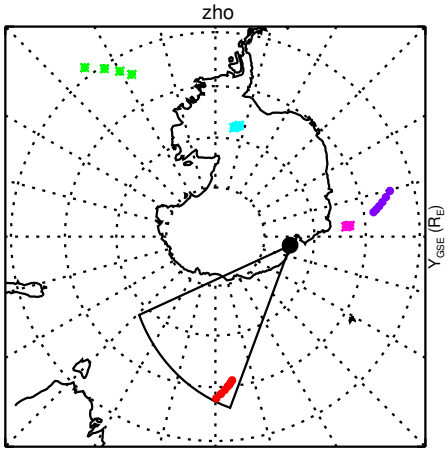


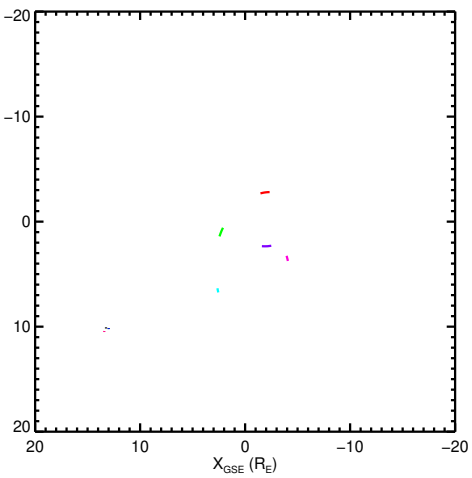


(f) 2010UT to 2035UT
adw

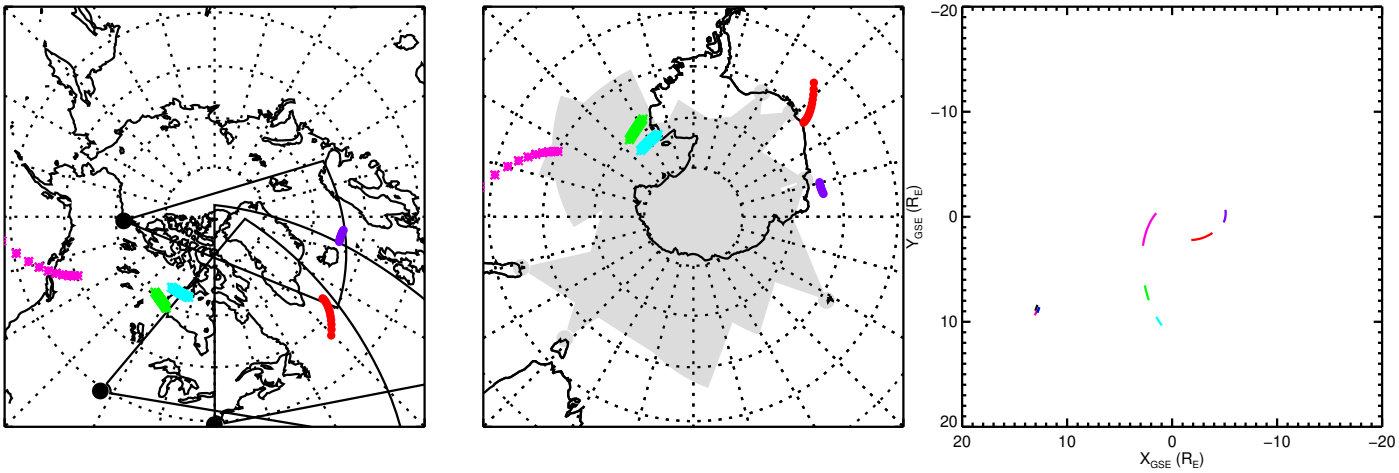


zho





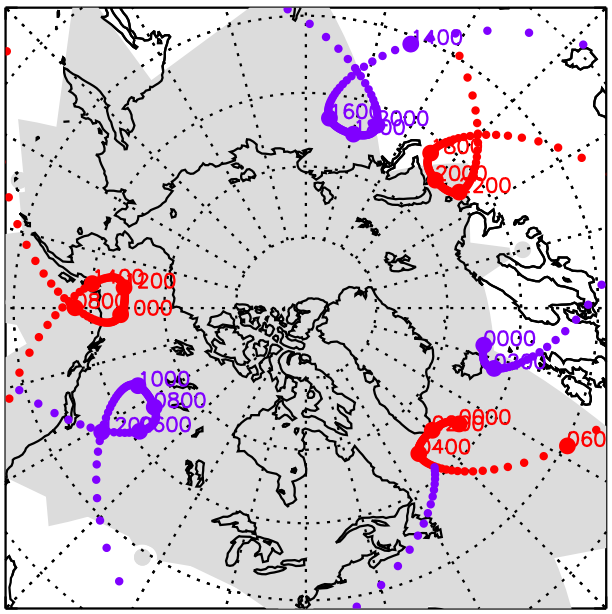
(g) 2245UT to 2355UT
fhe inv wal

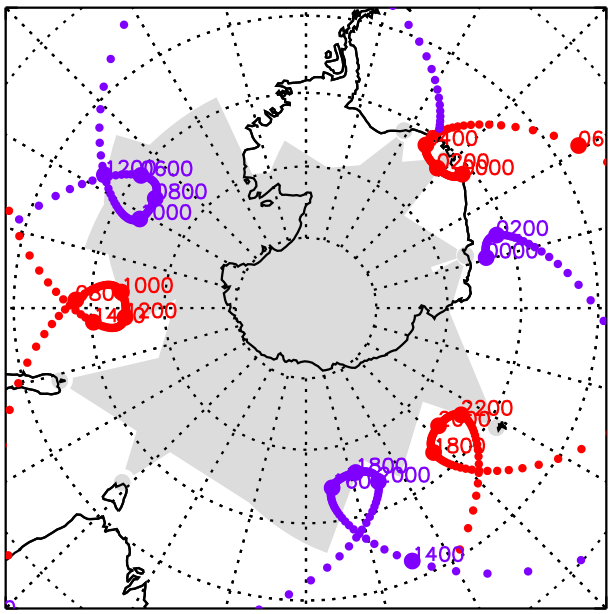


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

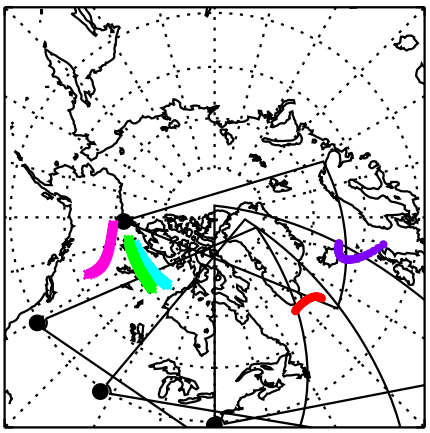
18–Jan–2015

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

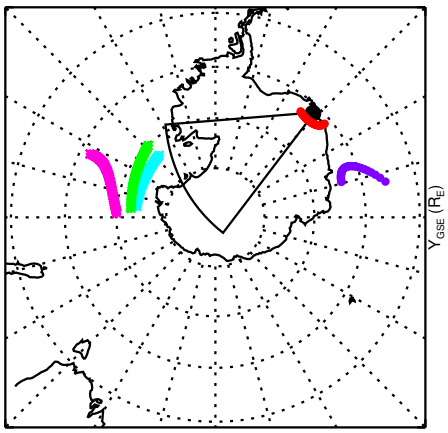


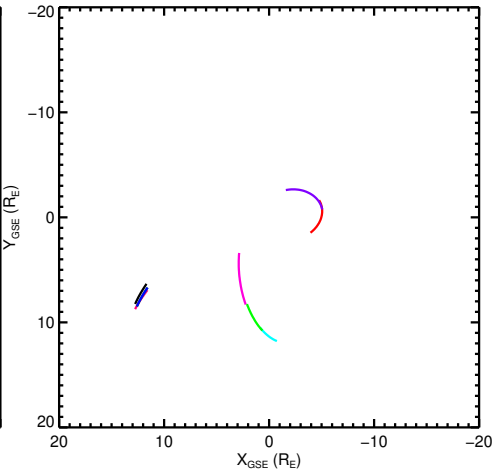


(a) 0000UT to 0305UT
cve fhe inv wal

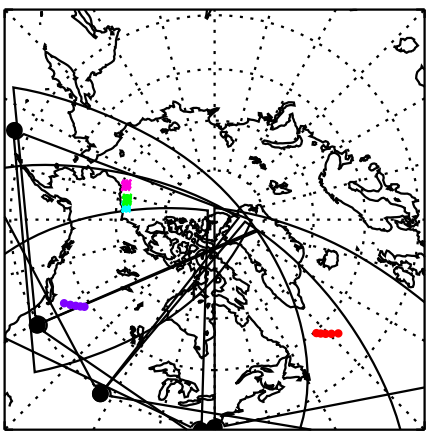


san

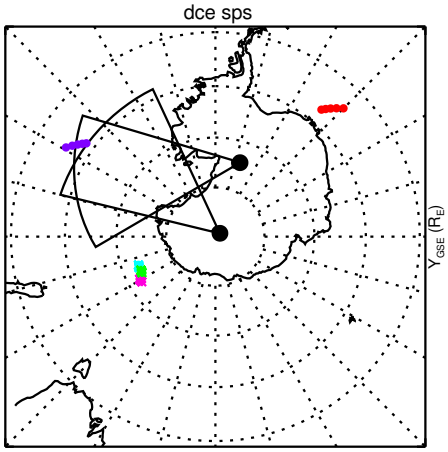


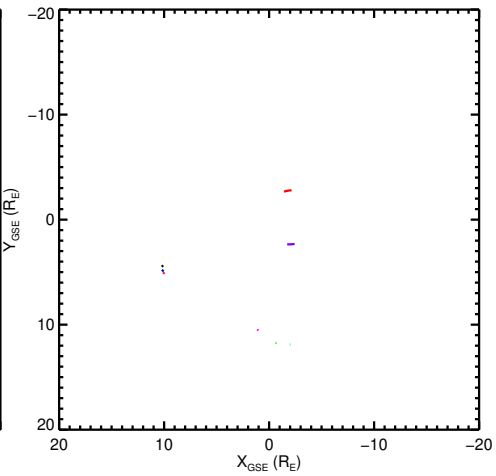


(b) 0515UT to 0535UT
ade bks cve cvw fhe fhw wal



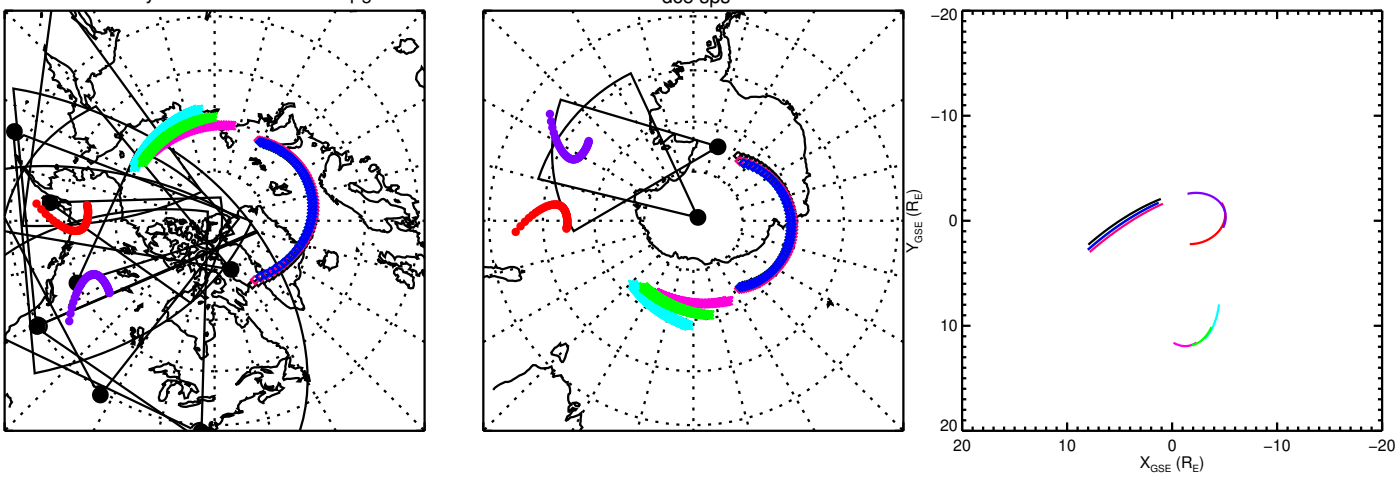
dce sps



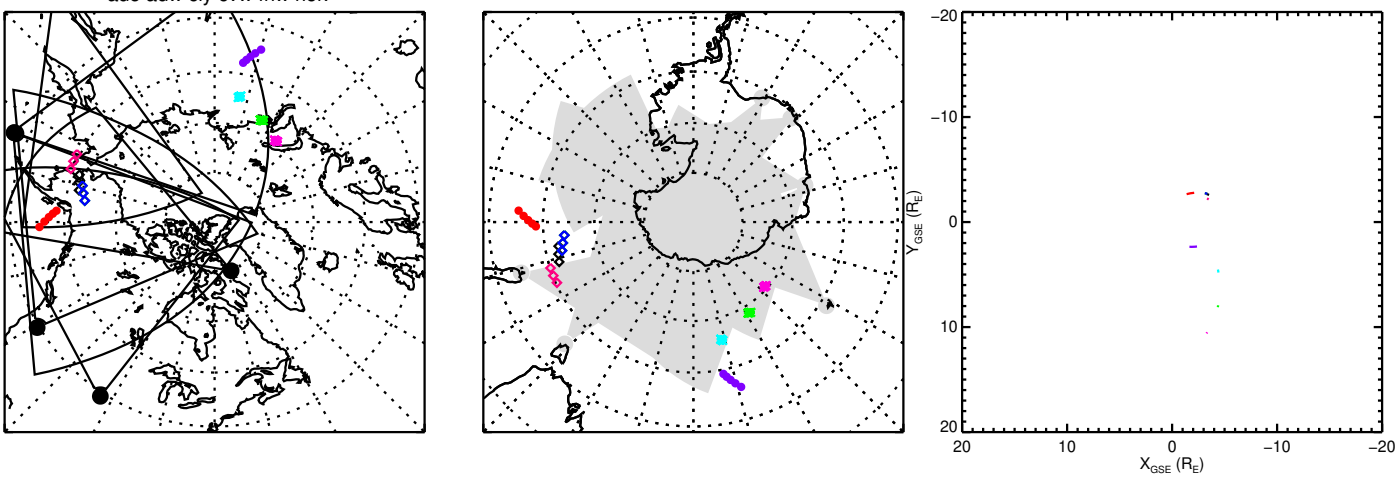


(c) 0740UT to 1210UT
ade bks cly cve cvw fhw hok kod pgr

dce sps

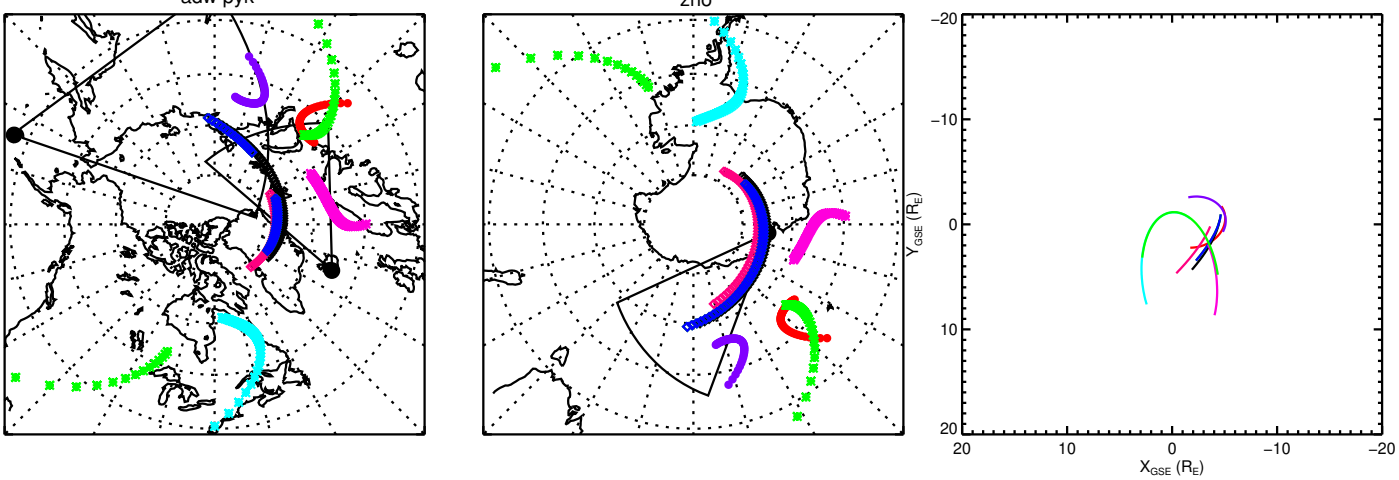


(d) 1415UT to 1435UT
ade adw cly cvw fhw hok

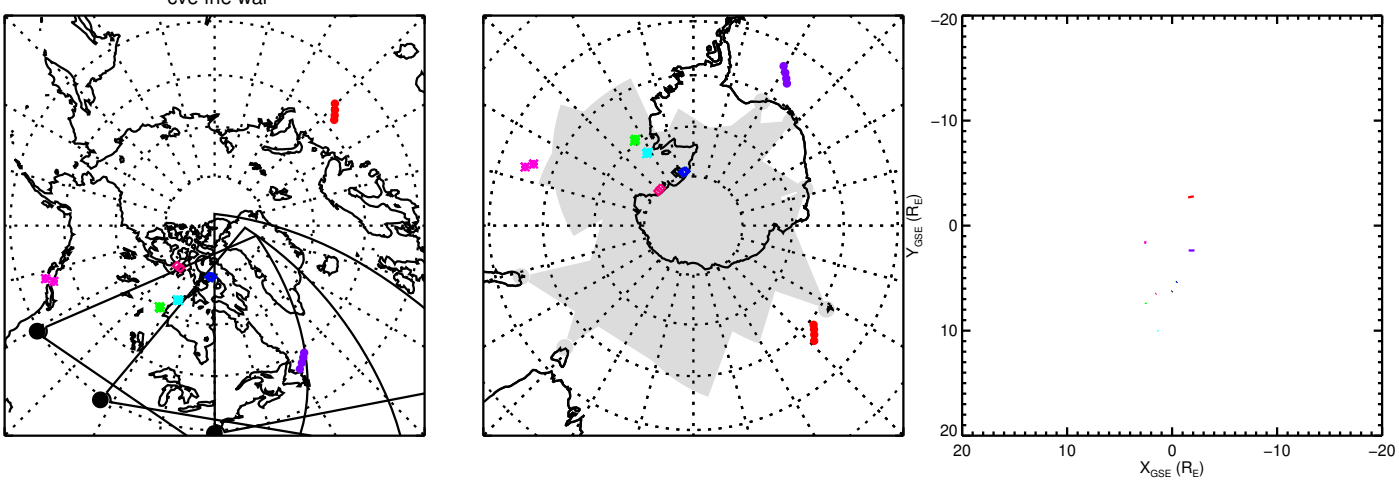


(e) 1640UT to 2110UT
adw pyk

zho



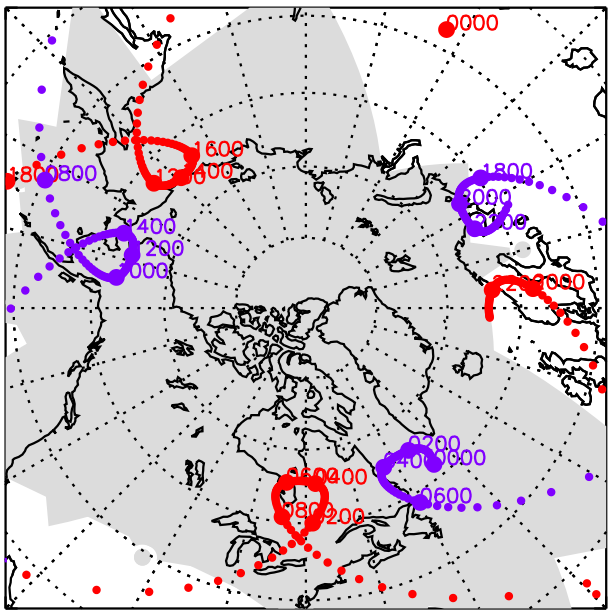
(f) 2315UT to 2330UT
cve fhe wal

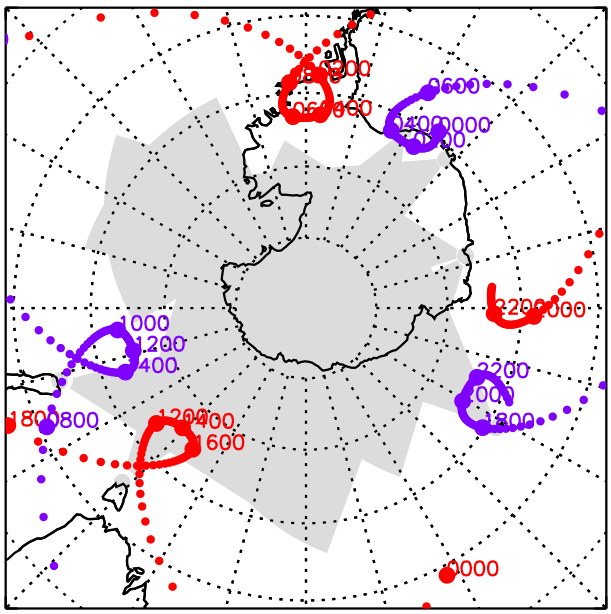


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

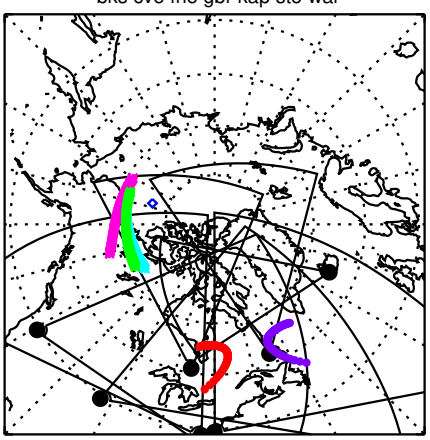
19–Jan–2015

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

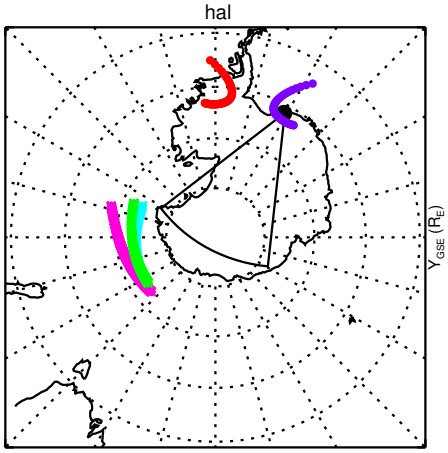


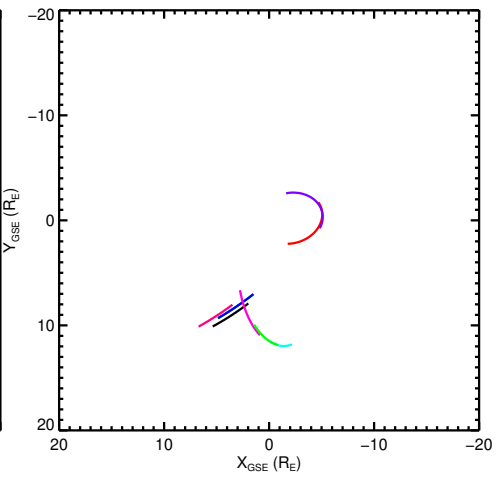


(a) 0140UT to 0610UT
bks cve fhe gbr kap sto wal

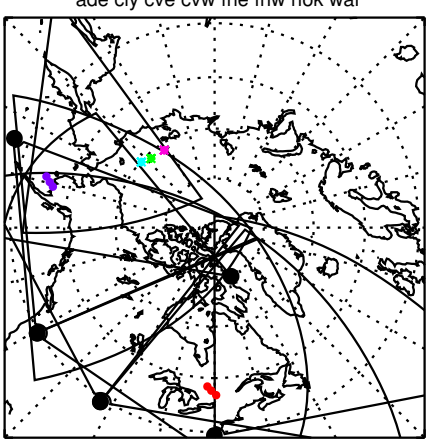


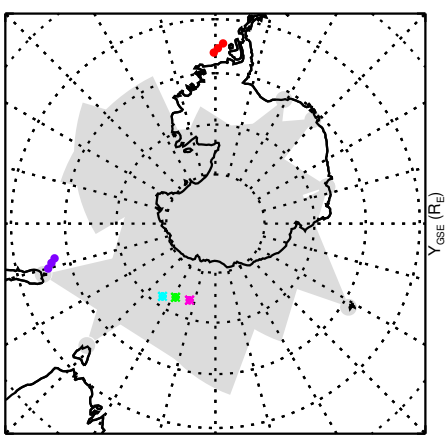
hal

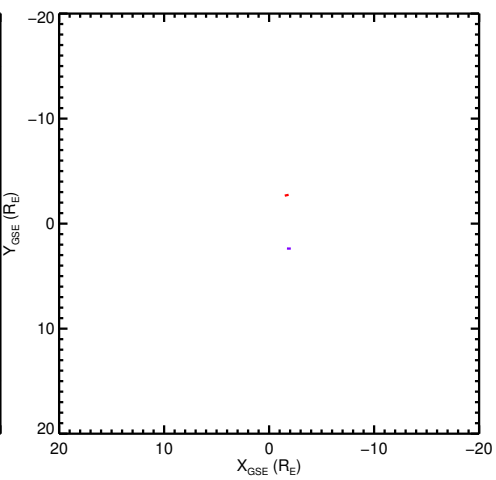




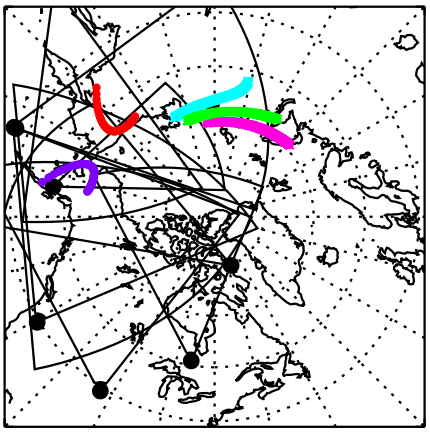
(b) 0820UT to 0830UT
ade cly cve cvw fhe fhw hok wal



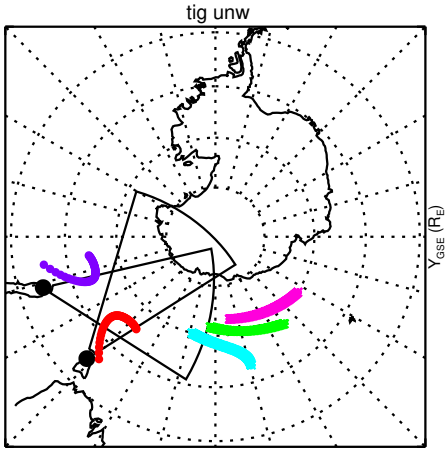


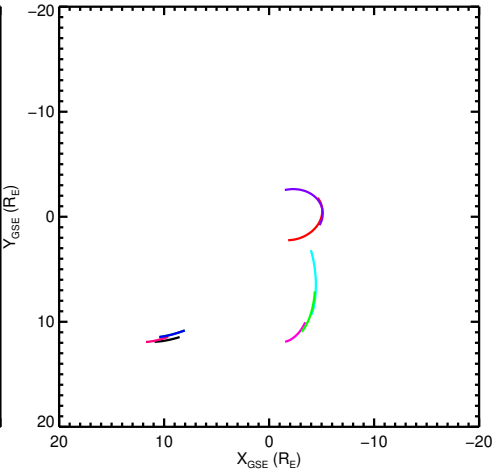


(c) 1040UT to 1515UT
ade adw cly cvw fhw hok kap ksr

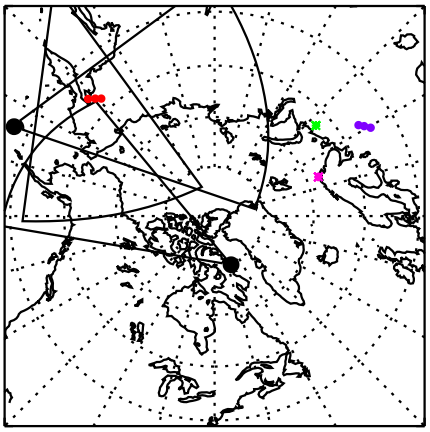


tig unw

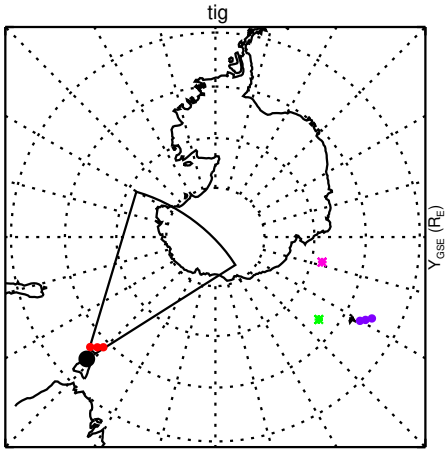


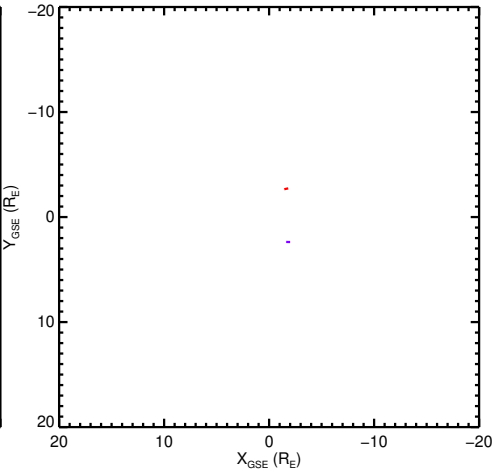


(d) 1720UT to 1730UT
adw cly hok

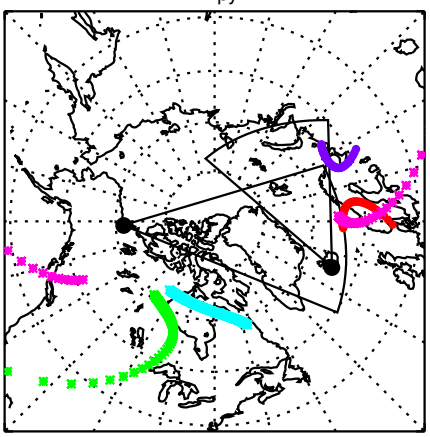


tig

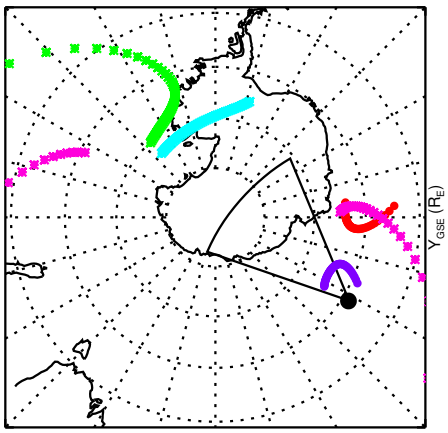


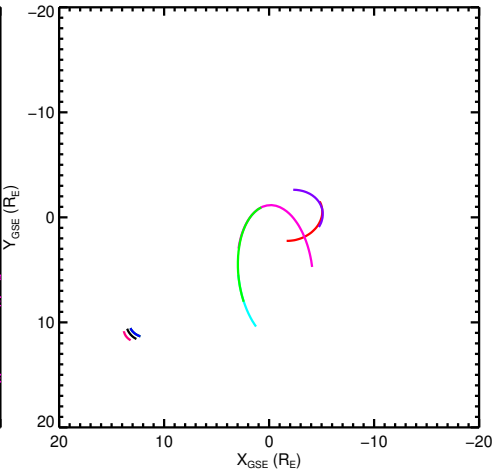


(e) 1935UT to 2355UT
inv pyk



ker

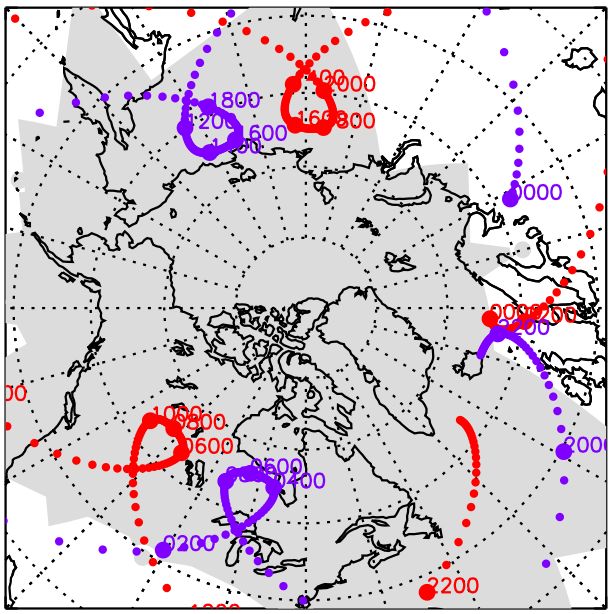


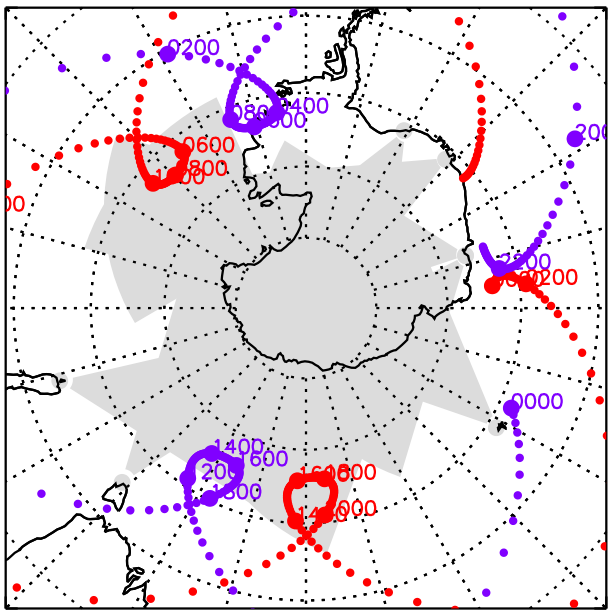


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

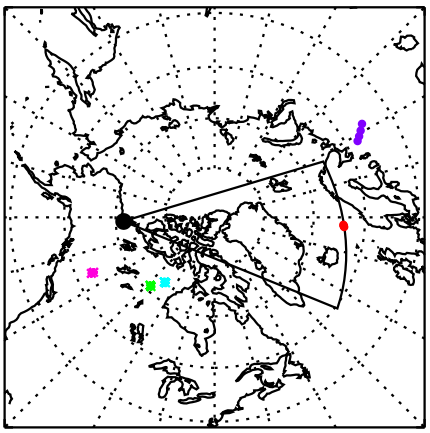
20–Jan–2015

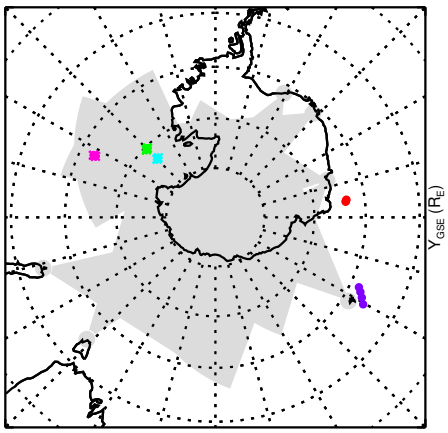
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

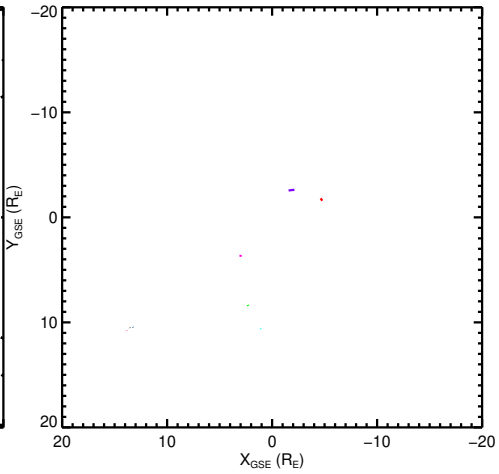




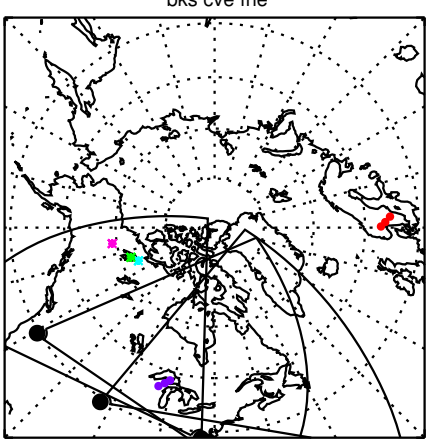
(a) 0000UT to 0015UT
inv

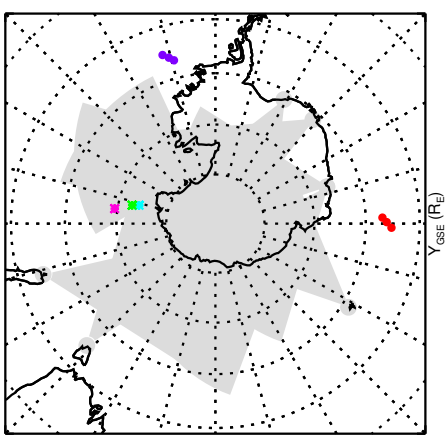


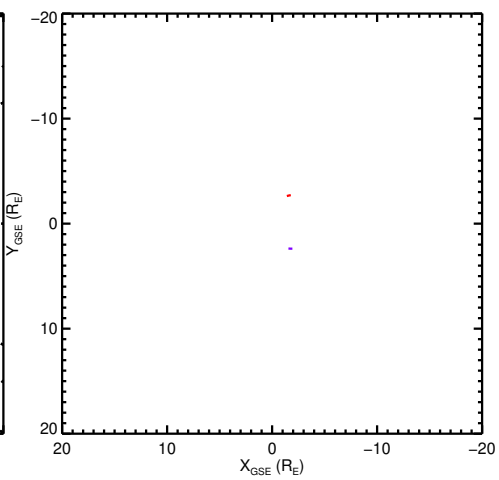




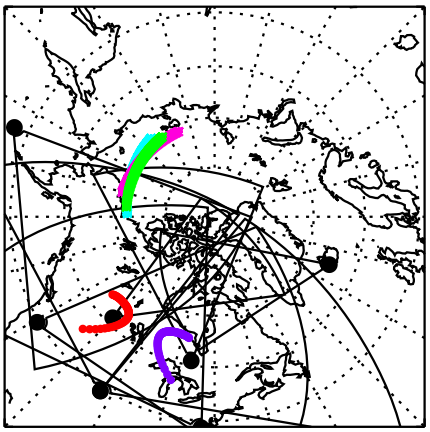
(b) 0220UT to 0230UT
bks cve fhe



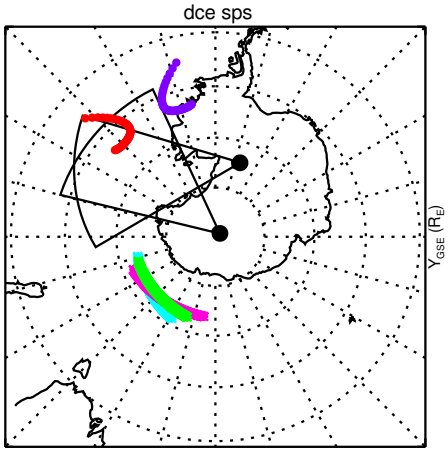


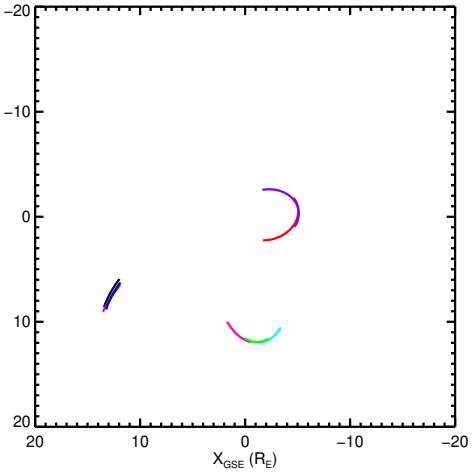


(c) 0435UT to 0915UT
ade bks cve fhe fhw kap sas sto

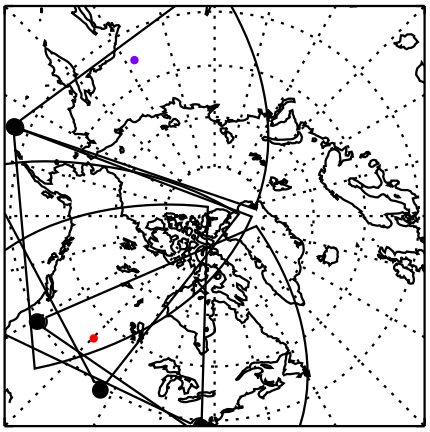


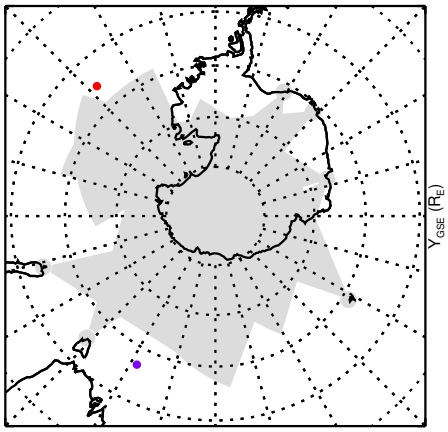
dce sps

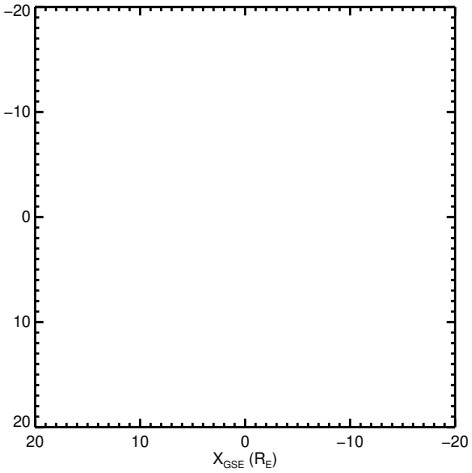




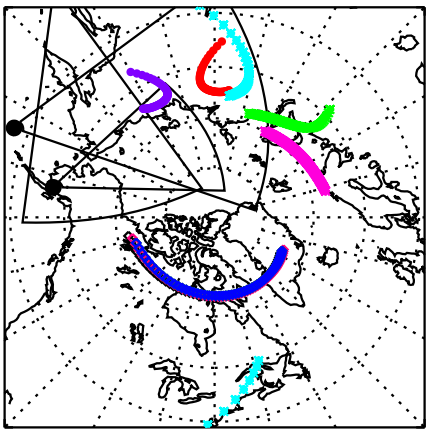
(d) 1125UT to 1125UT
ade adw bks cve fhw



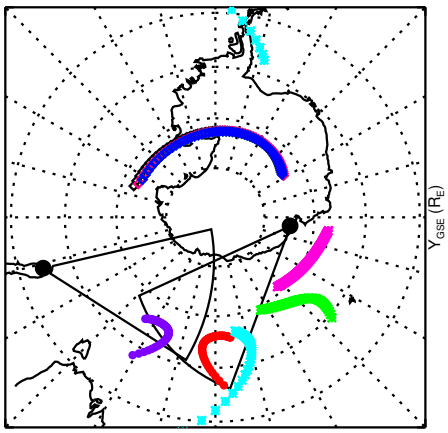


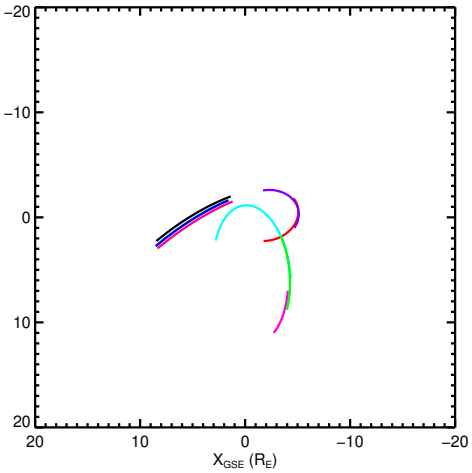


(e) 1335UT to 1815UT
adw hok ksr

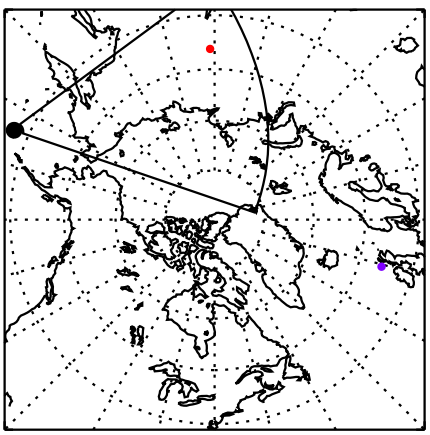


unw zho

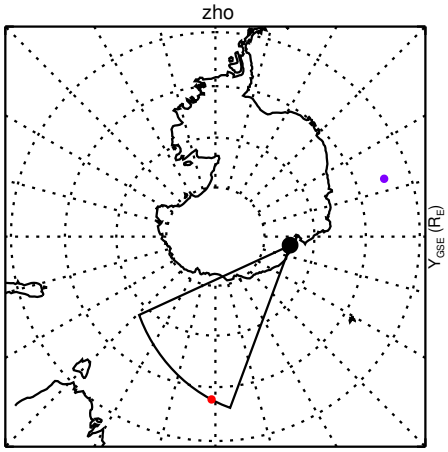


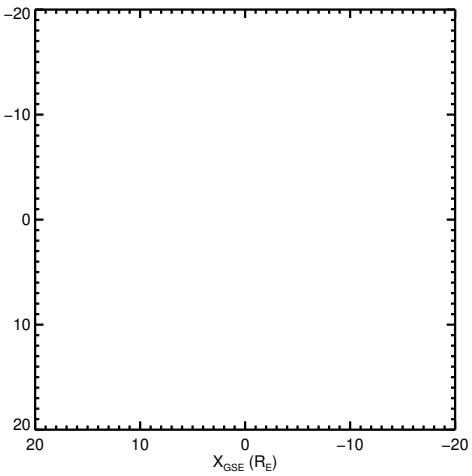


(f) 2025UT to 2025UT
adw

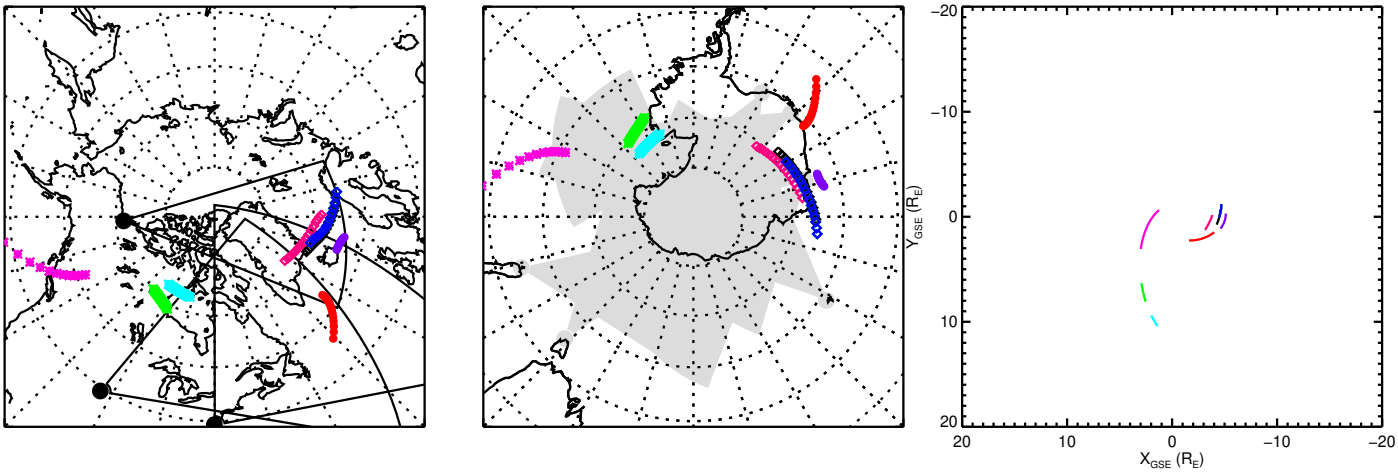


zho





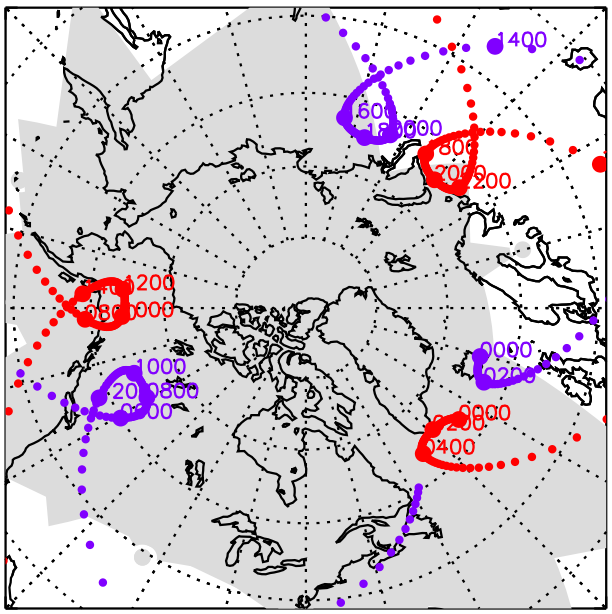
(g) 2230UT to 2355UT
fhe inv wal

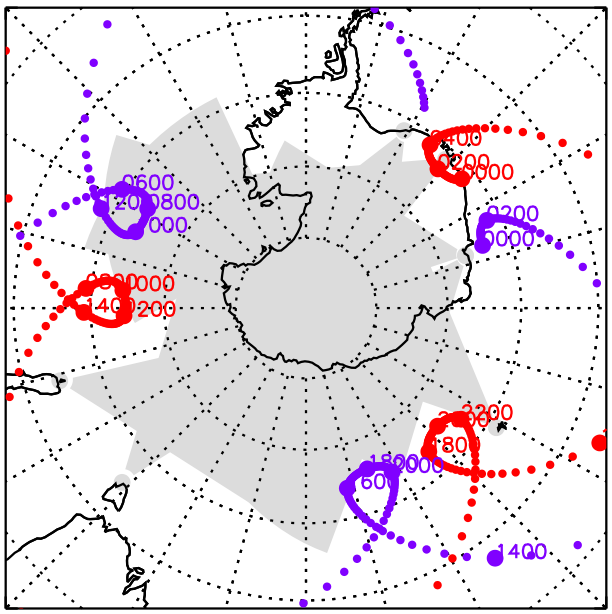


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

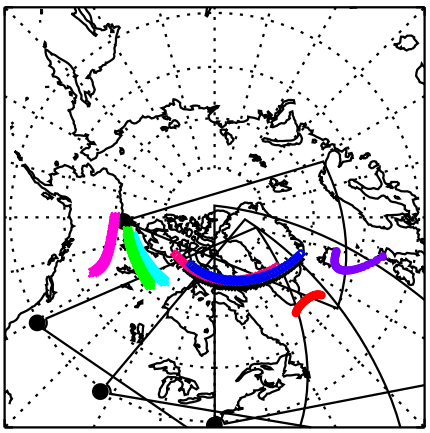
21–Jan–2015

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

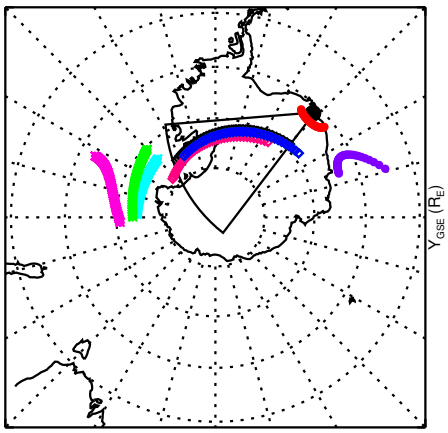


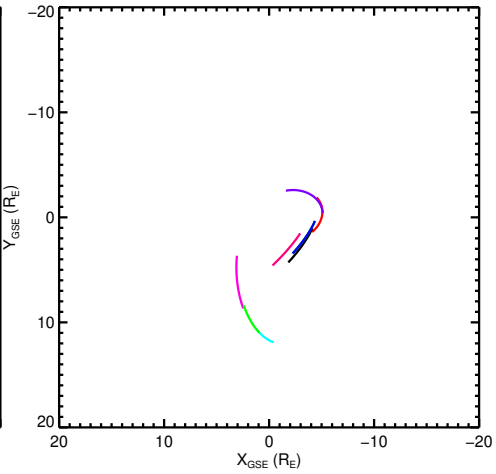


(a) 0000UT to 0320UT
cve fhe inv wal

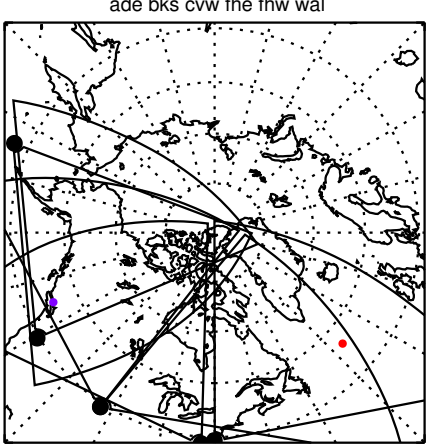


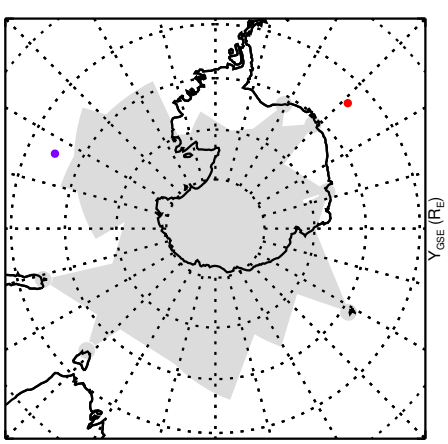
san

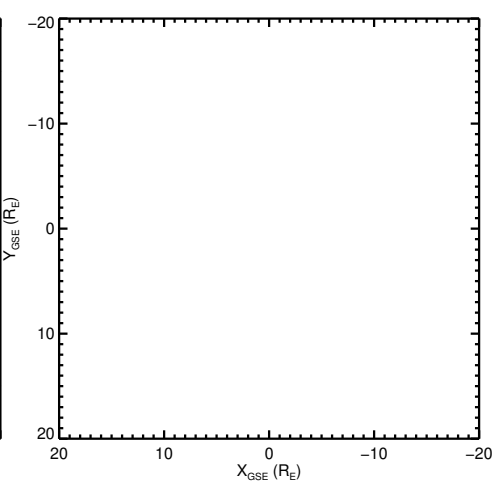




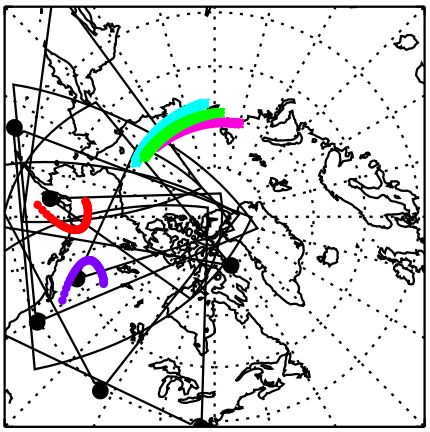
(b) 0525UT to 0525UT
ade bks cvw fhe fhw wal



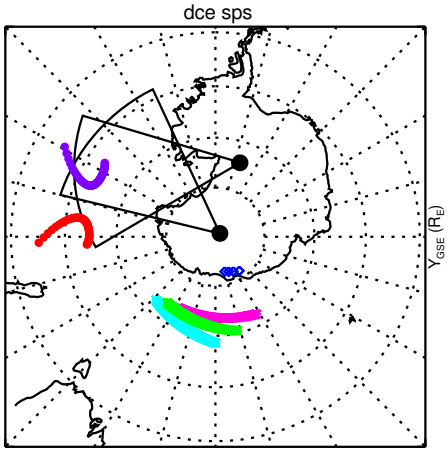


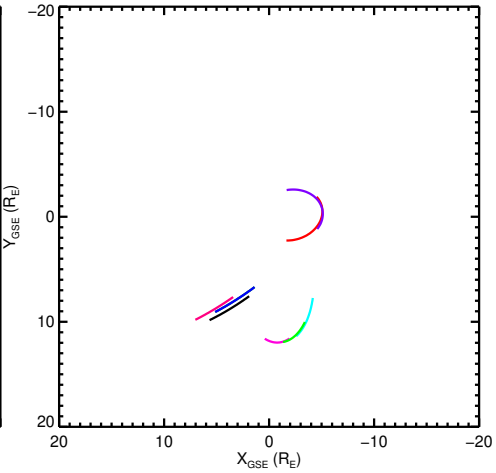


(c) 0730UT to 1220UT
ade bks cly cvw fhw hok kod pgr

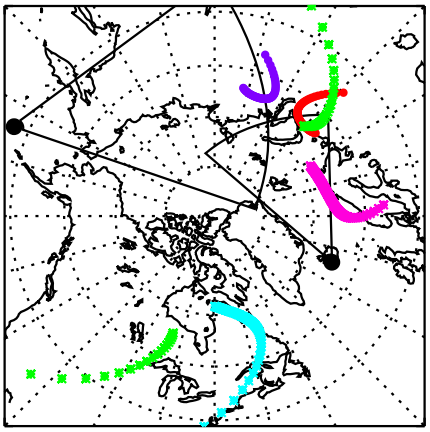


dce sps

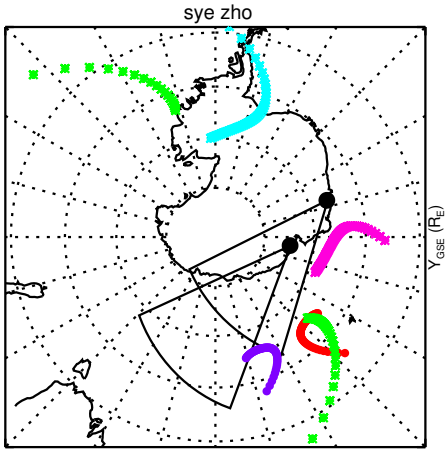


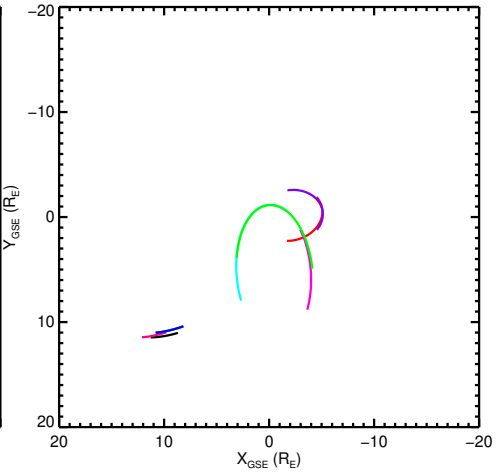


(d) 1630UT to 2120UT
adw pyk



sye zho

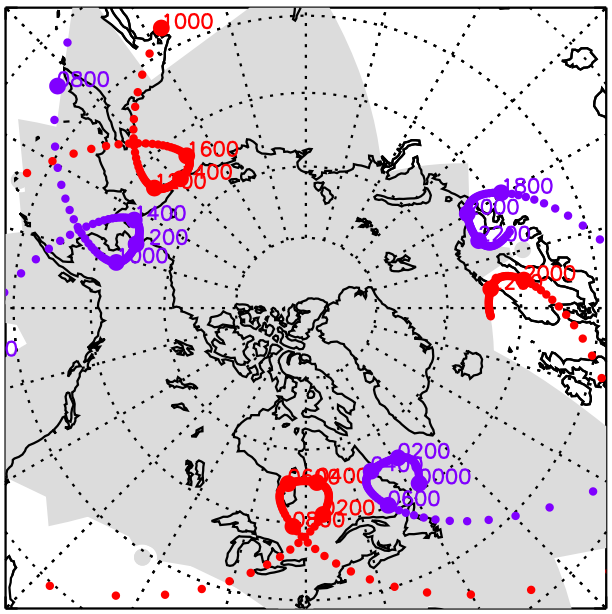




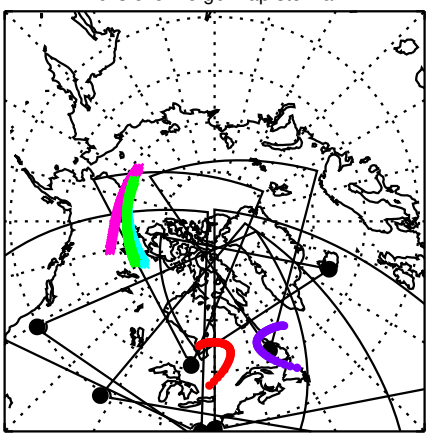
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

22–Jan–2015

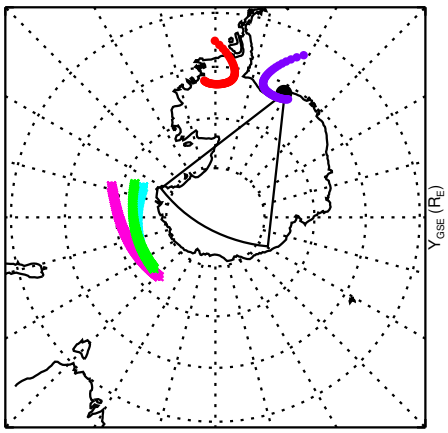
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

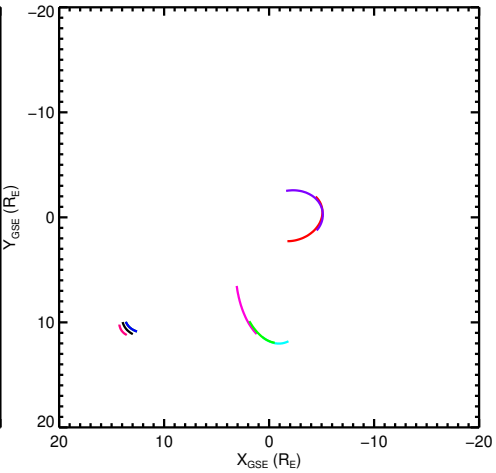


(a) 0130UT to 0625UT
bks cve fhe gbr kap sto wal

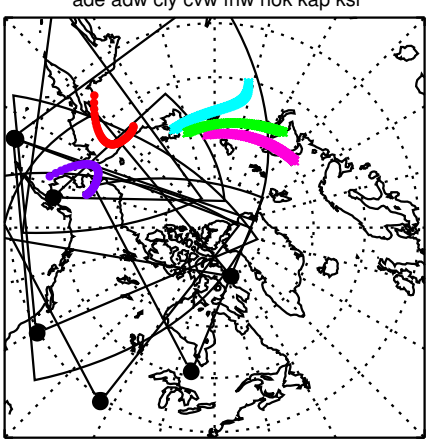


hal

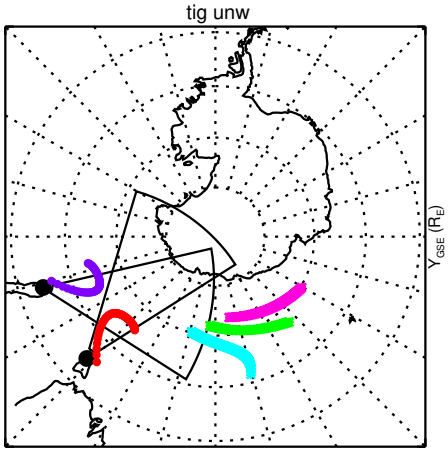


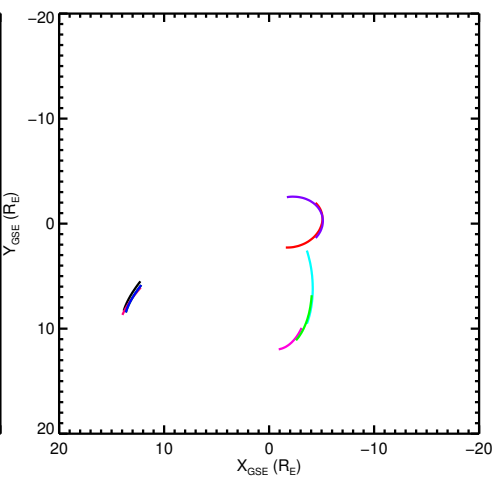


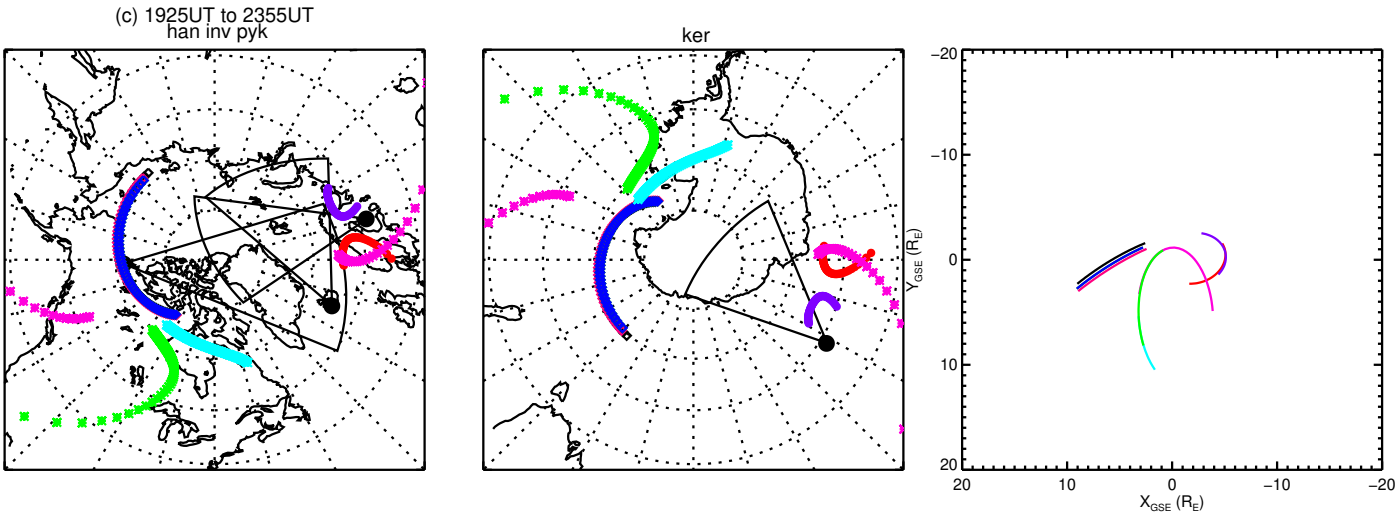
(b) 1025UT to 1525UT
ade adw cly cvw fhw hok kap ksr



tig unw



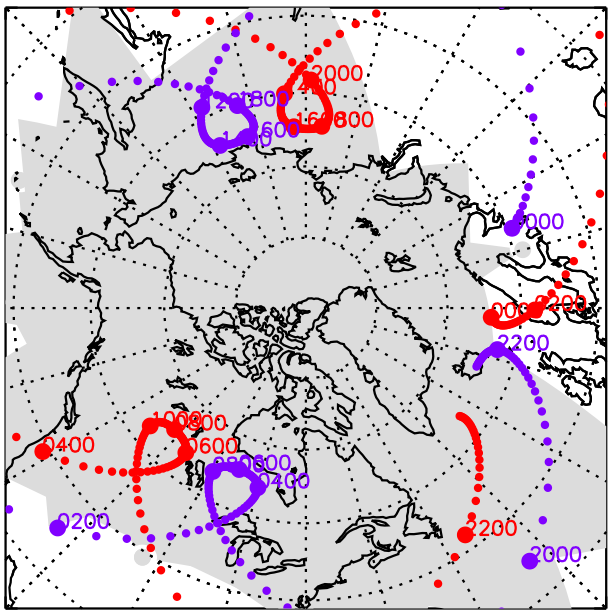


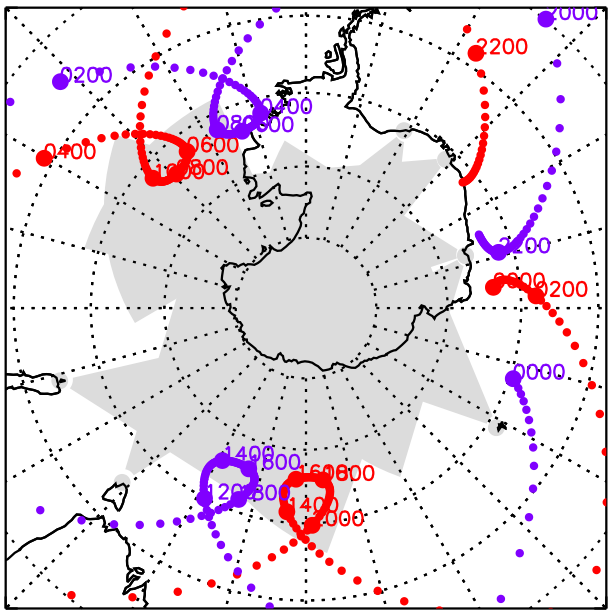

(c) 1925UT to 2355UT
han inv pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

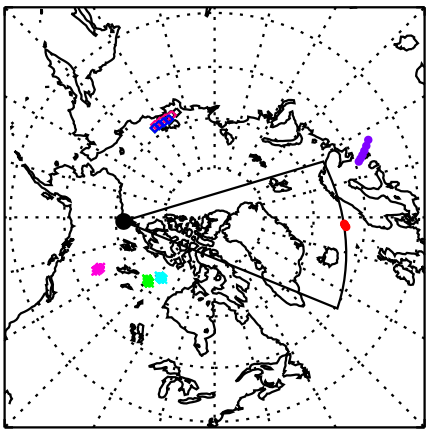
23–Jan–2015

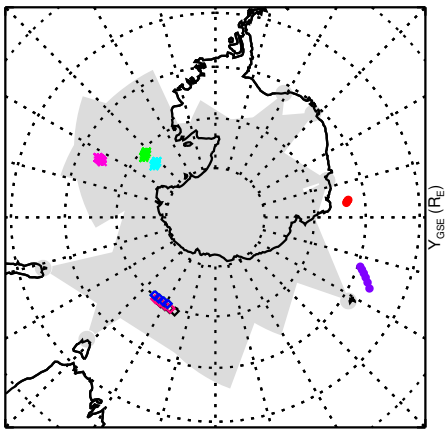
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

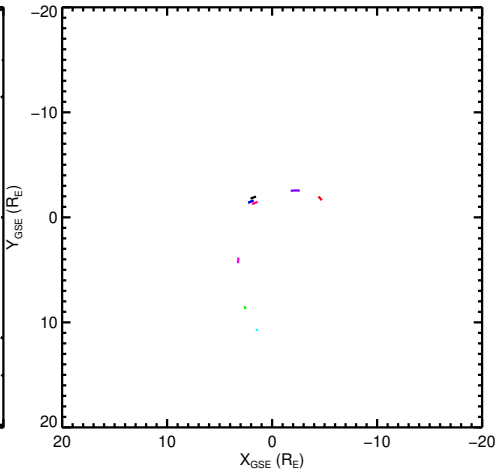




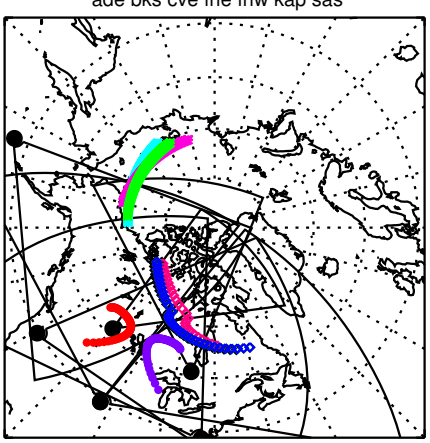
(a) 0000UT to 0025UT
inv



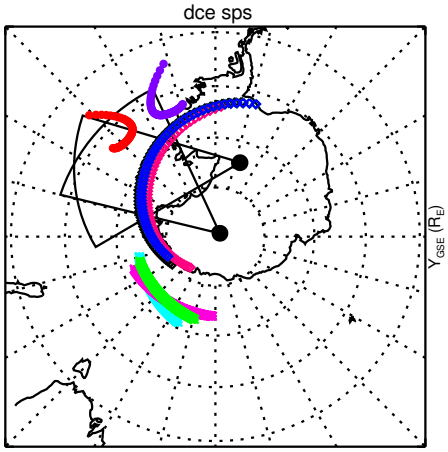


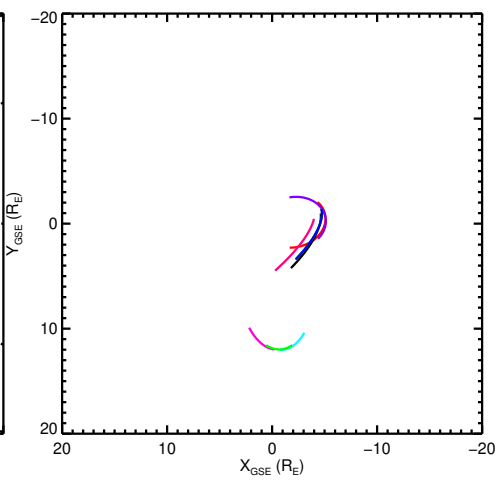


(b) 0425UT to 0930UT
ade bks cve fhe fhw kap sas

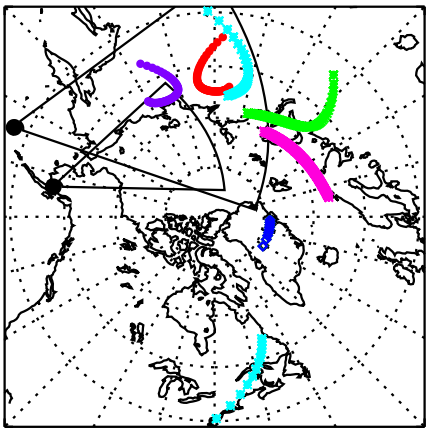


dce sps

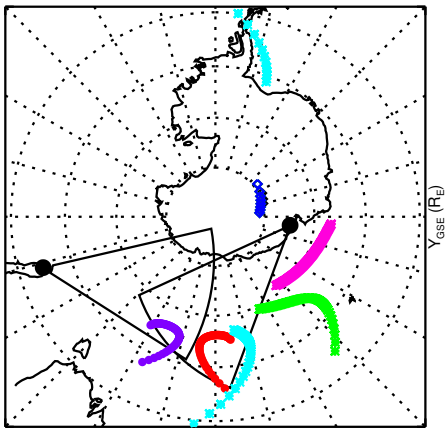


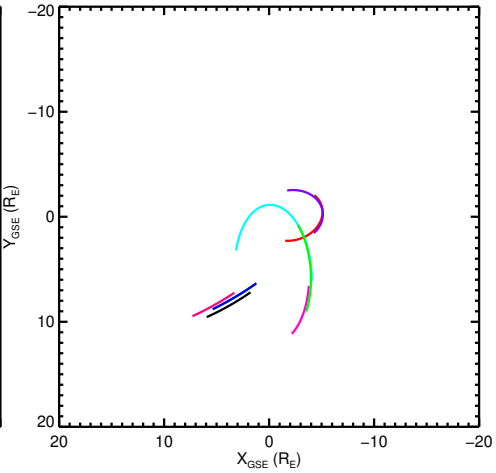


(c) 1320UT to 1830UT
adw ksr

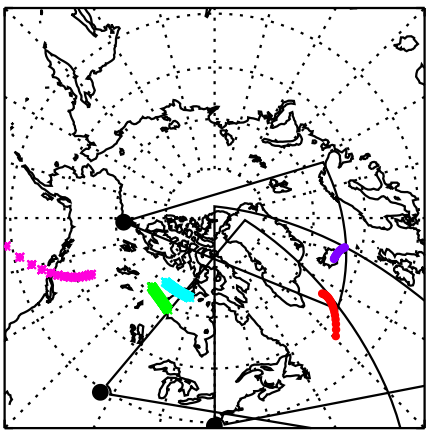


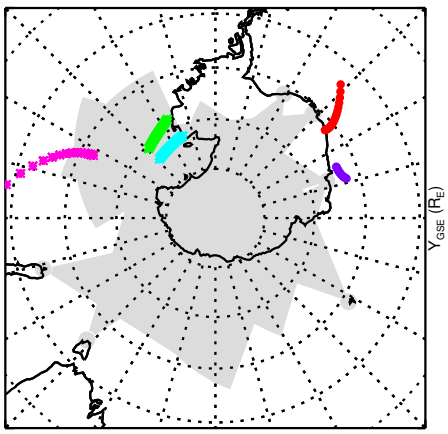
unw zho

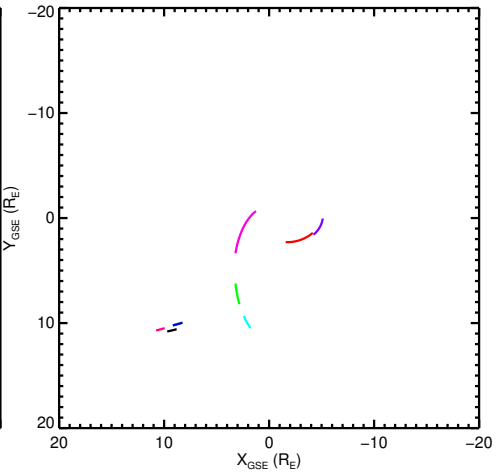




(d) 2220UT to 2355UT
fhe inv wal



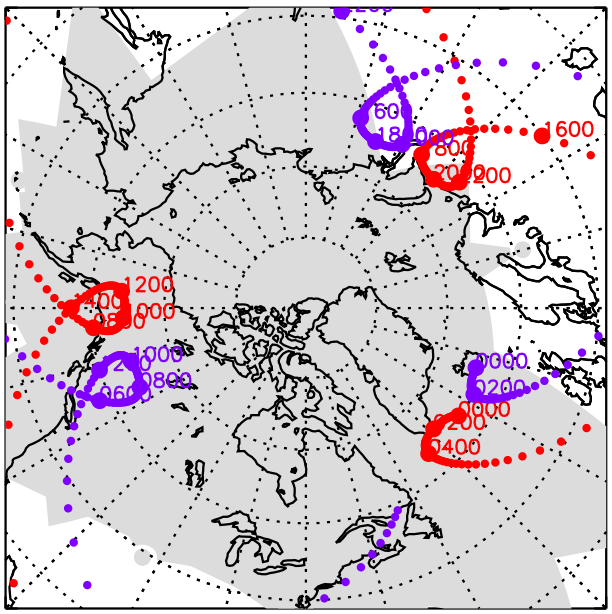


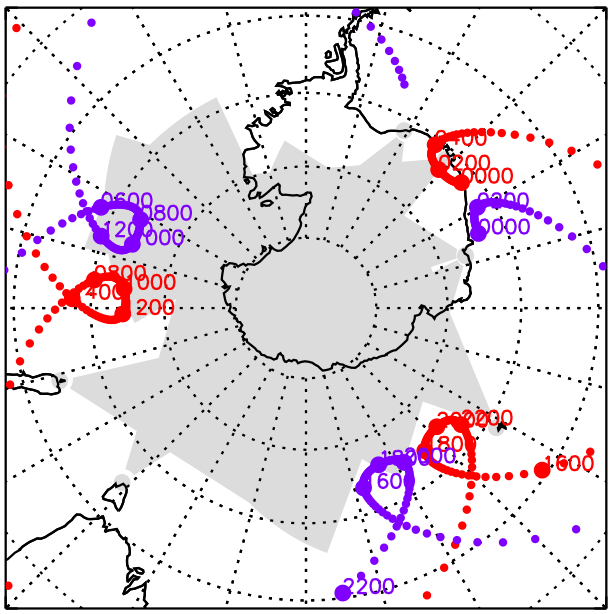


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

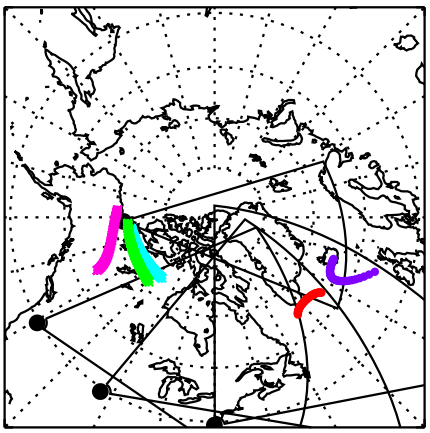
24–Jan–2015

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

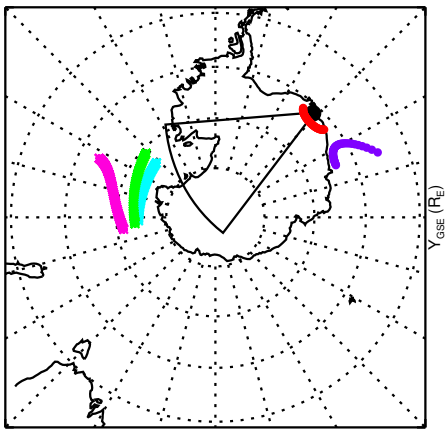


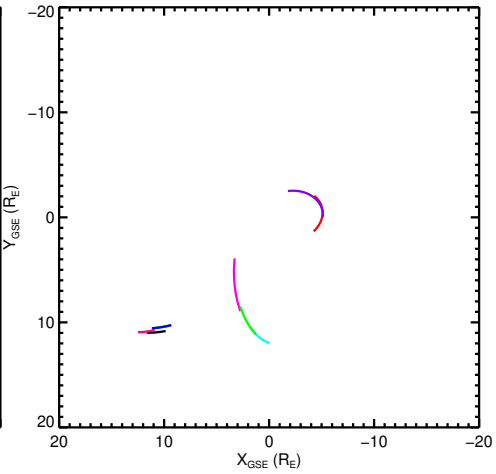


(a) 0000UT to 0330UT
cve fhe inv wal

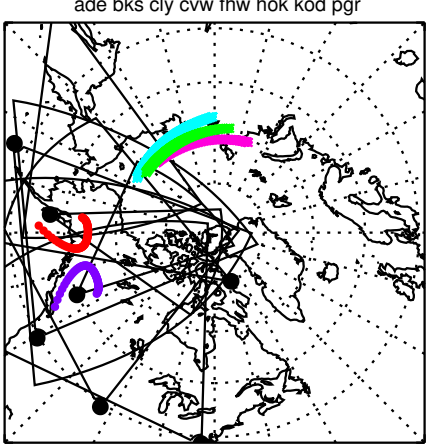


san

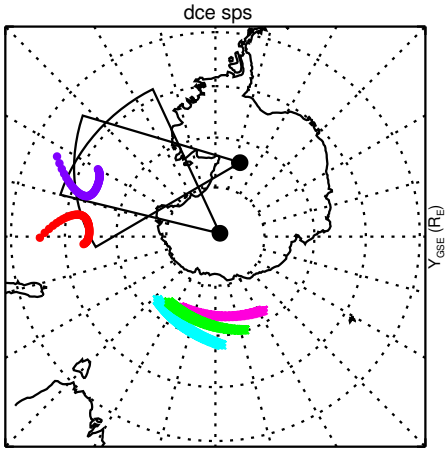


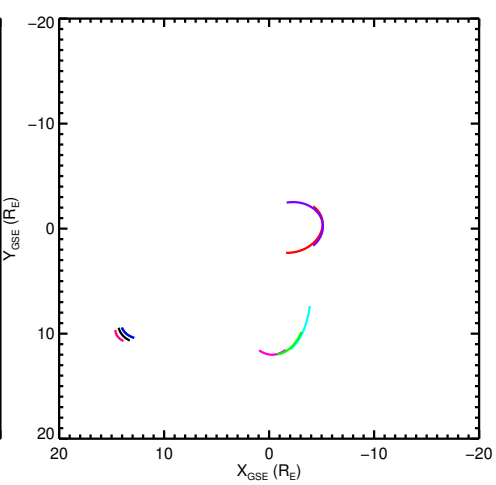


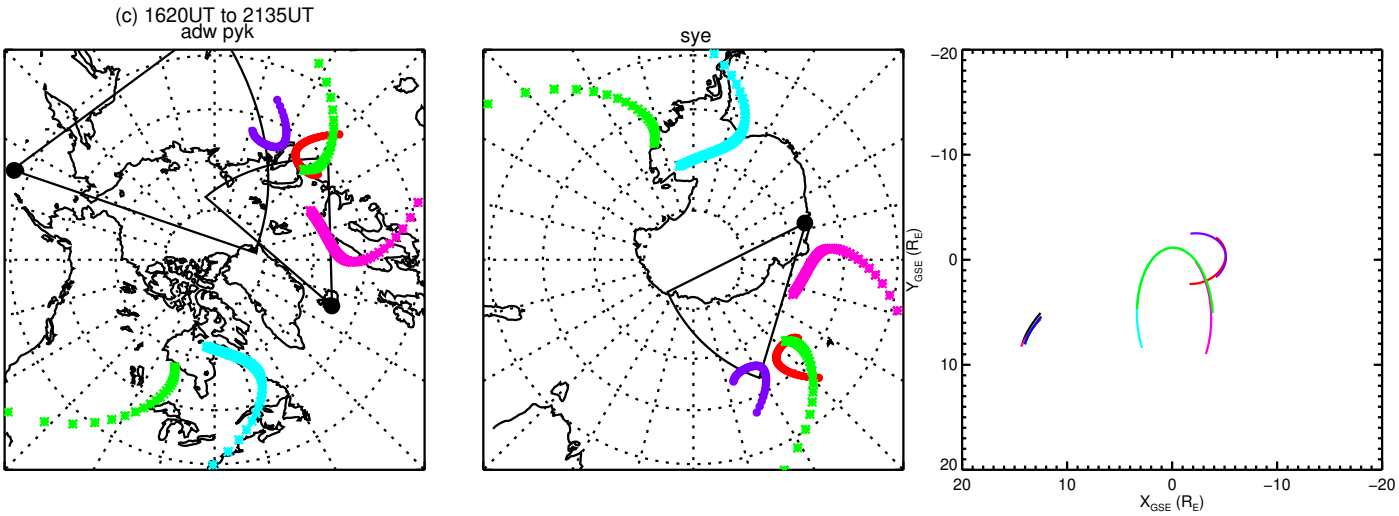
(b) 0720UT to 1235UT
ade bks cly cvw fhw hok kod pgr



dce sps



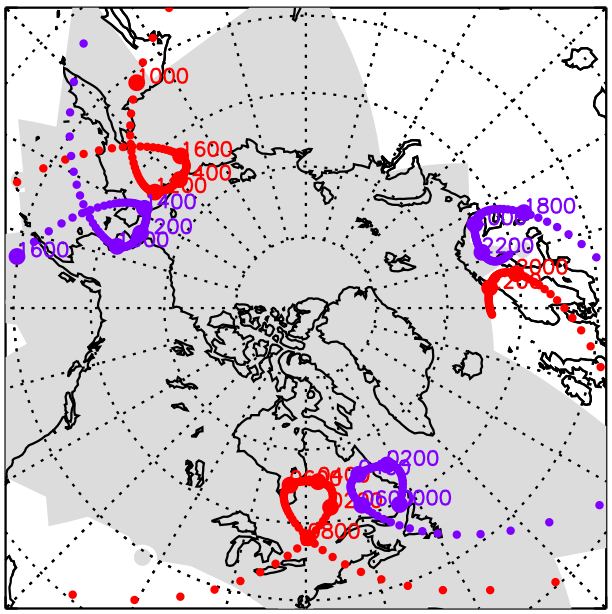


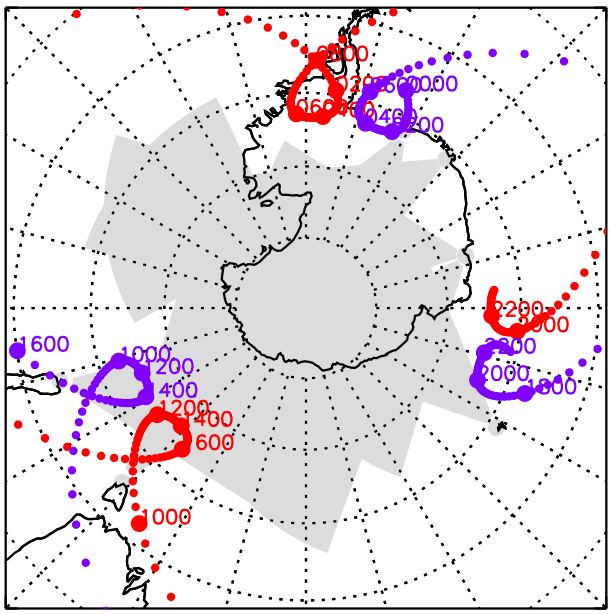

(c) 1620UT to 2135UT
adw pyk
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

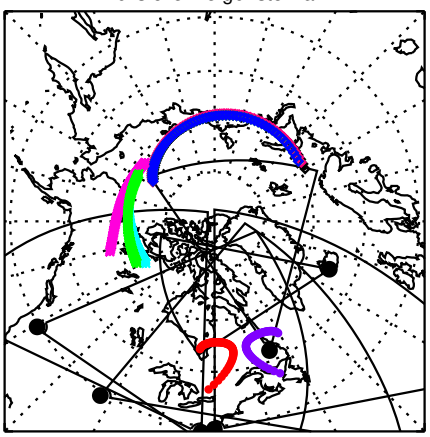
25–Jan–2015

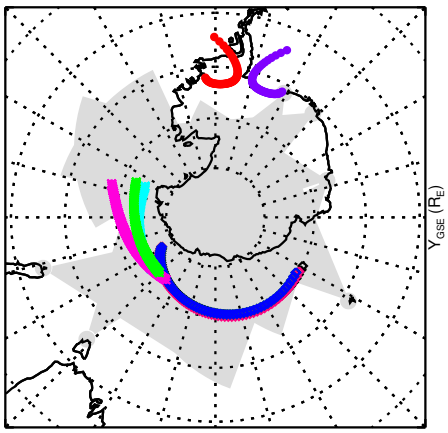
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

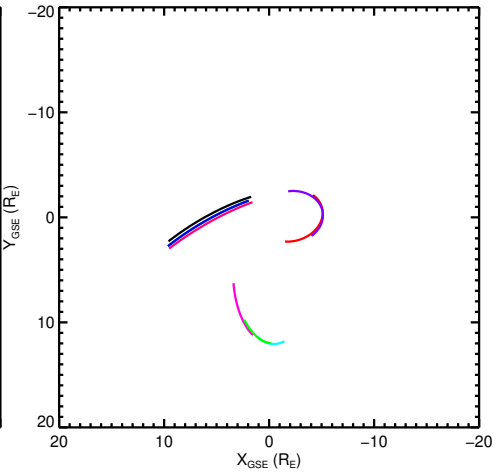




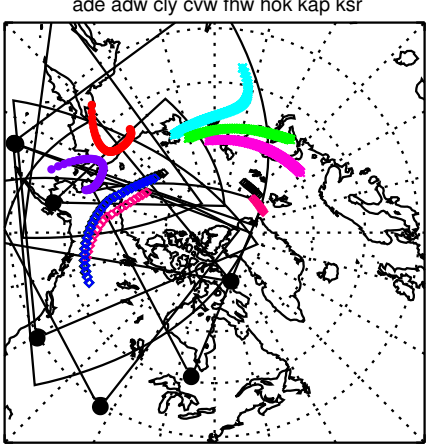
(a) 0115UT to 0635UT
bks cve fhe gbr sto wal



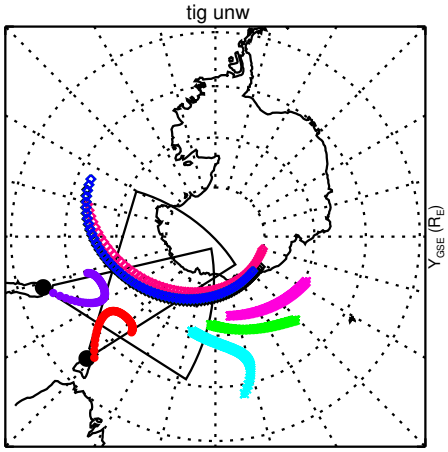


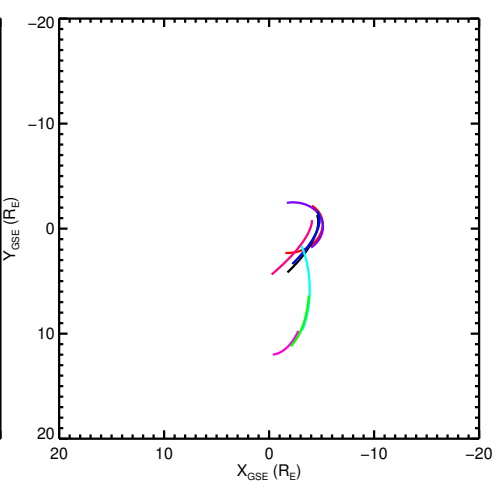


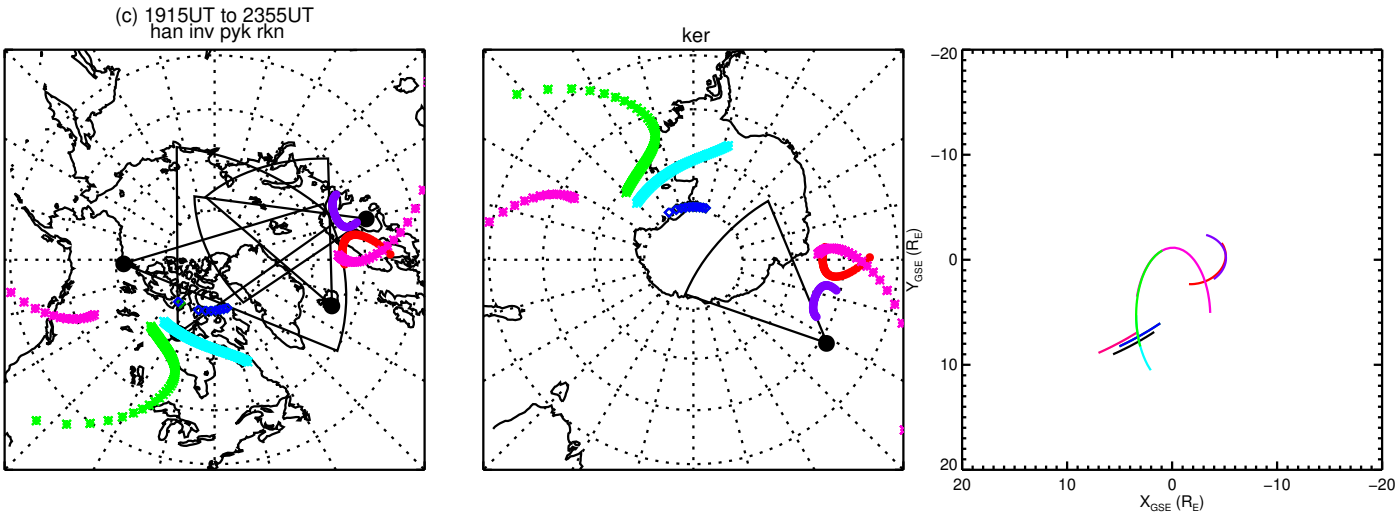
(b) 1015UT to 1540UT
ade adw cly cvw fhw hok kap ksr



tig unw



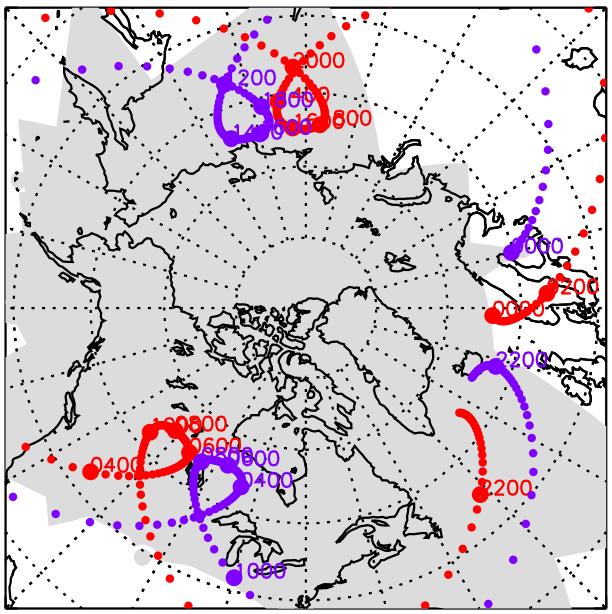


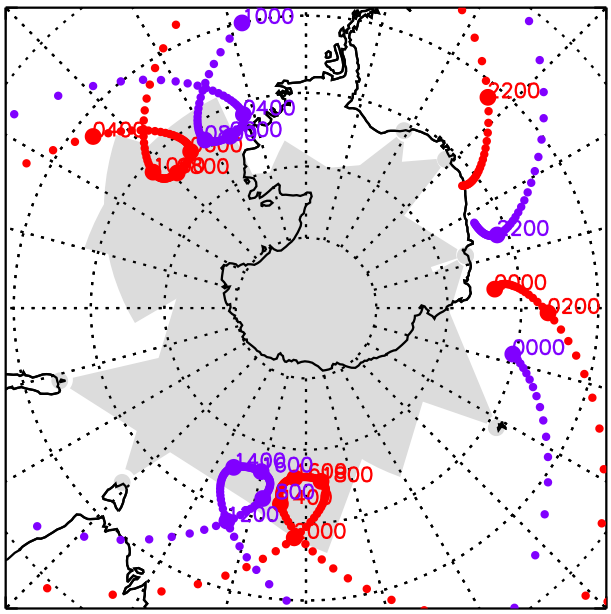

(c) 1915UT to 2355UT
han inv pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

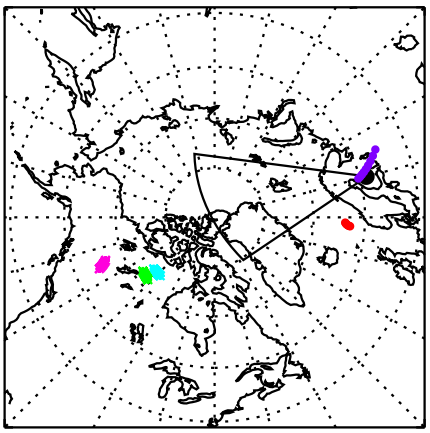
26–Jan–2015

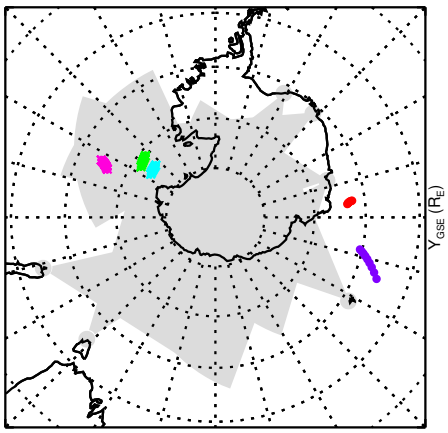
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

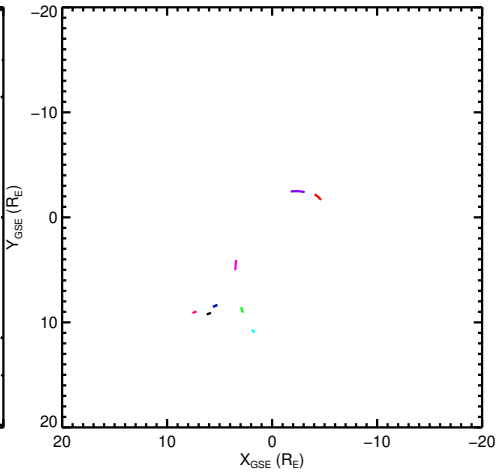




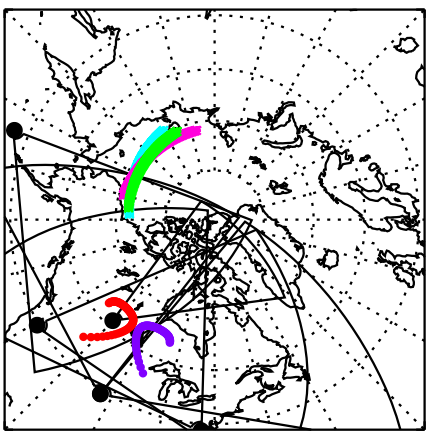
(a) 0000UT to 0040UT
han



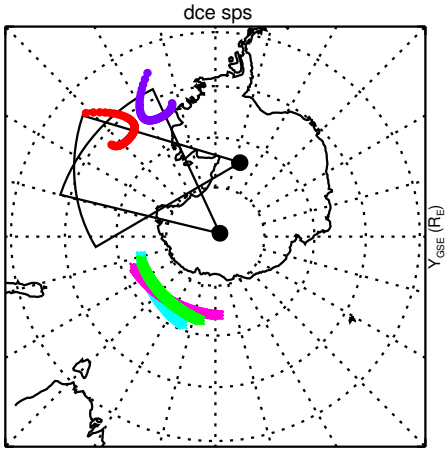


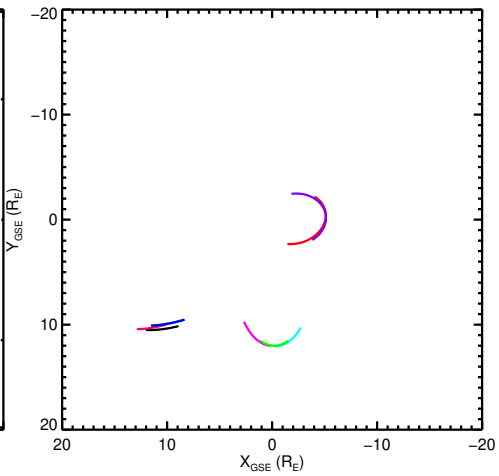


(b) 0410UT to 0940UT
ade bks cve fhe fhw sas



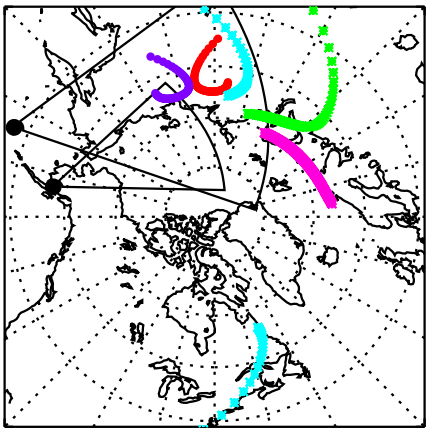
dce sps

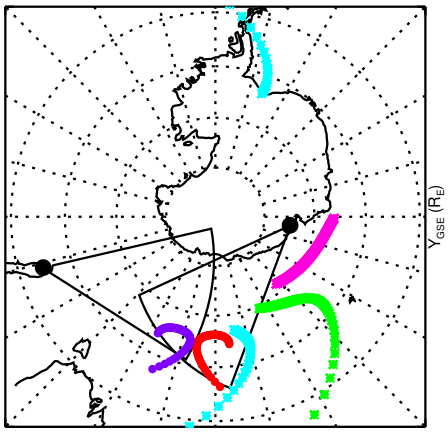


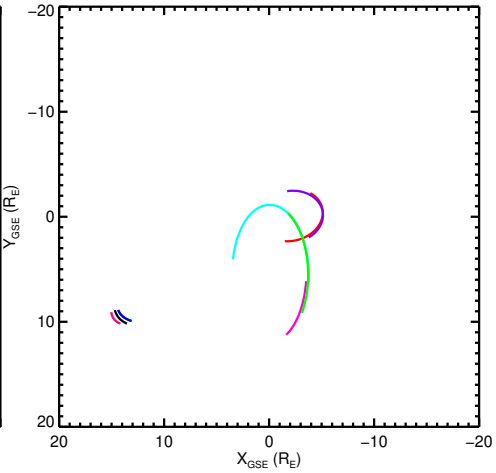


(c) 1310UT to 1845UT
adw ksr

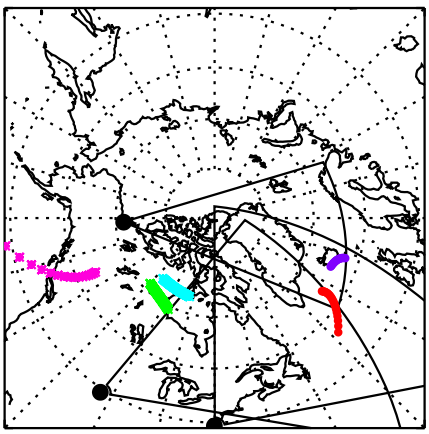
unw zho

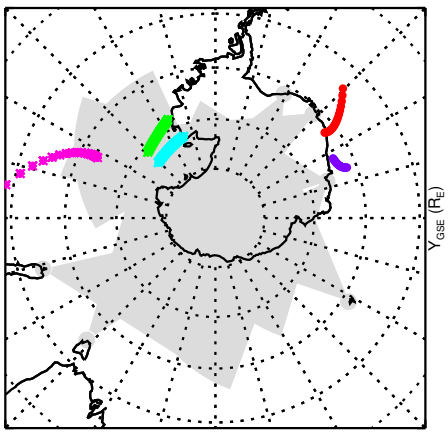


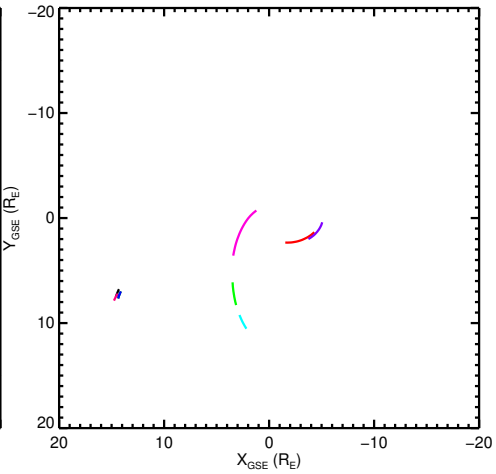




(d) 2210UT to 2355UT
fhe inv wal



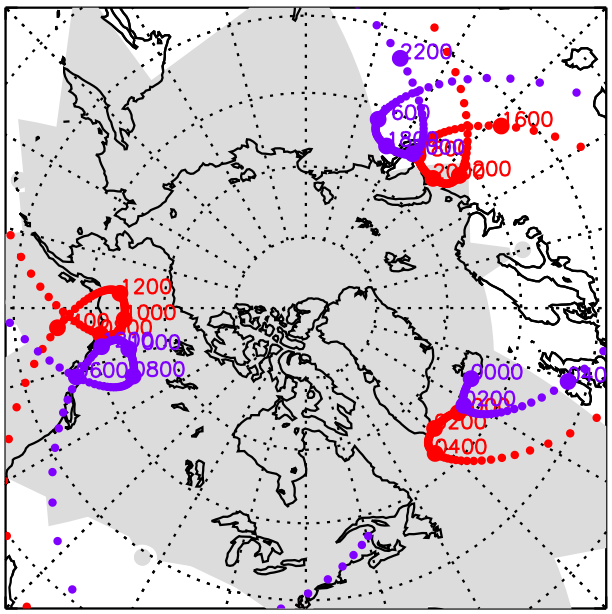


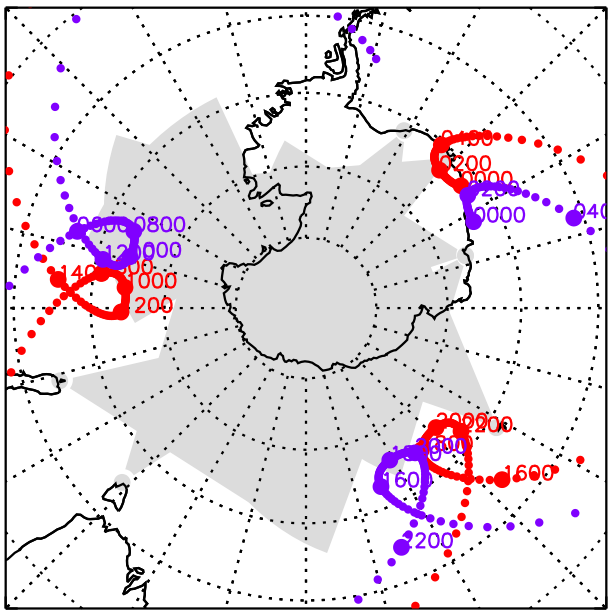


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

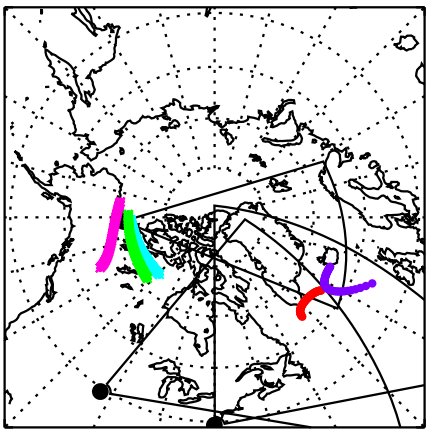
27–Jan–2015

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

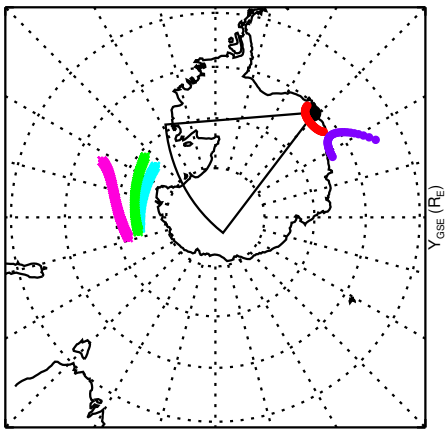


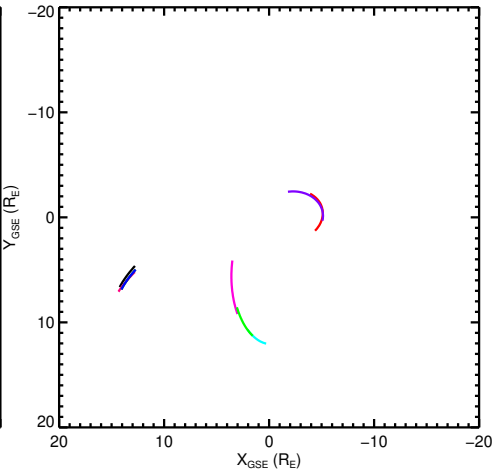


(a) 0000UT to 0345UT
fhe inv wal

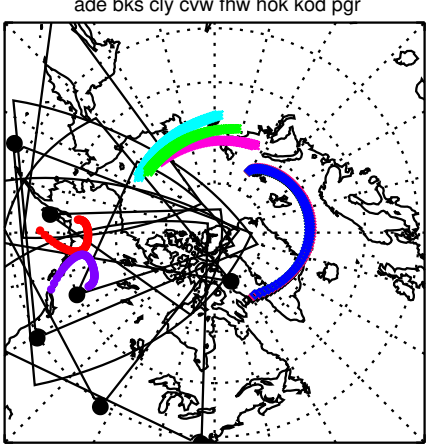


san

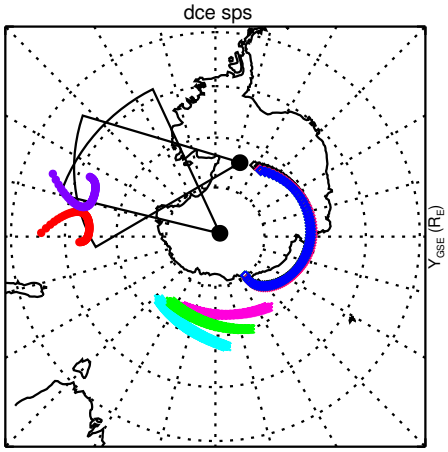


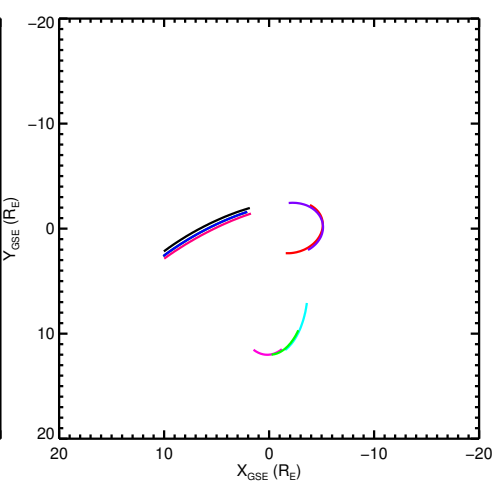


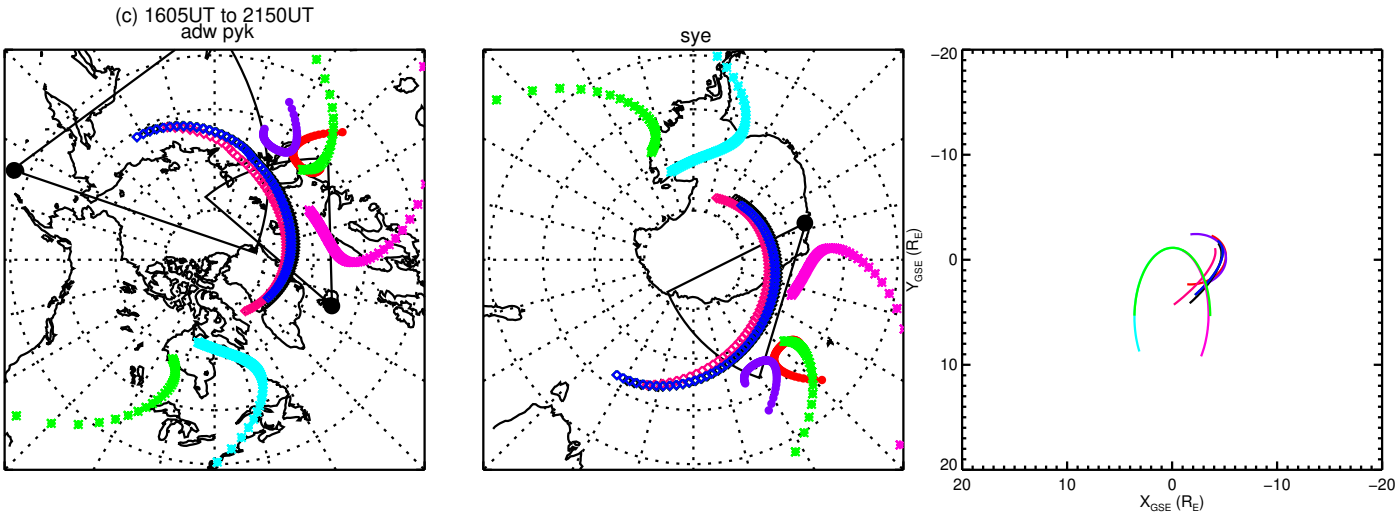
(b) 0710UT to 1245UT
ade bks cly cvw fhw hok kod pgr



dce sps



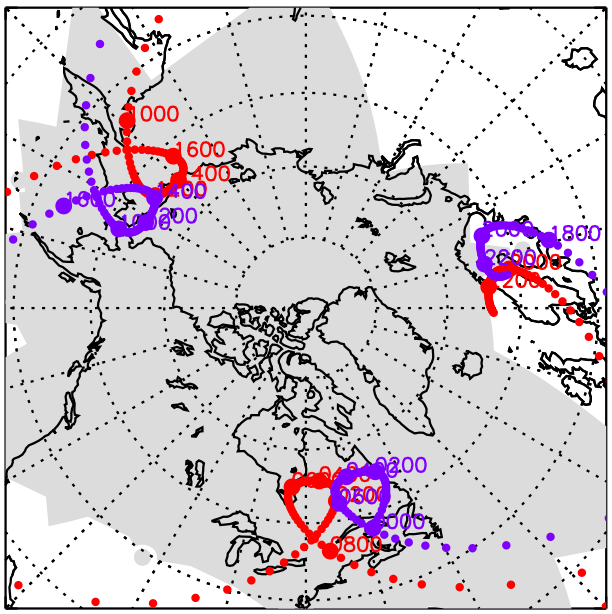


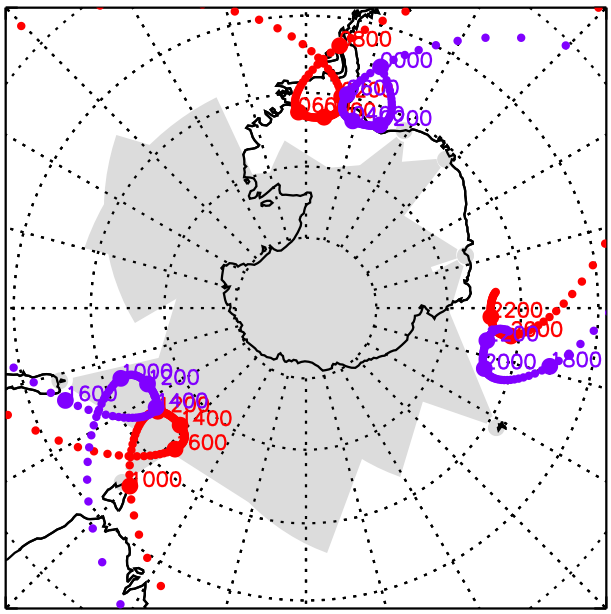

(c) 1605UT to 2150UT
adw pyk
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

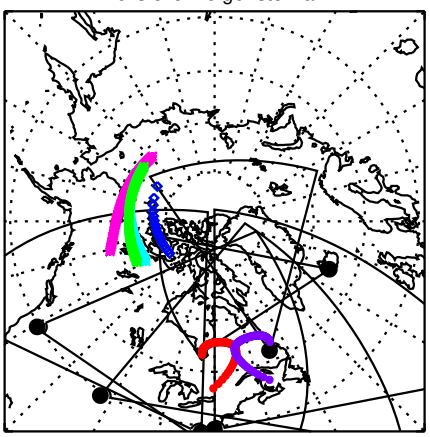
28–Jan–2015

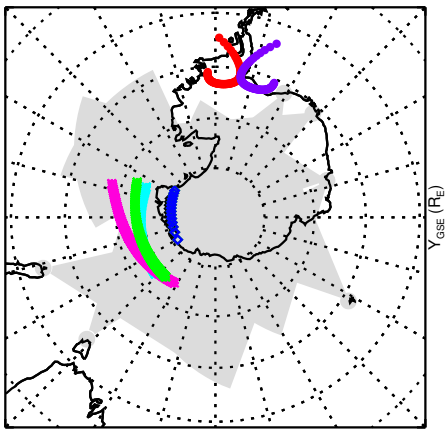
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

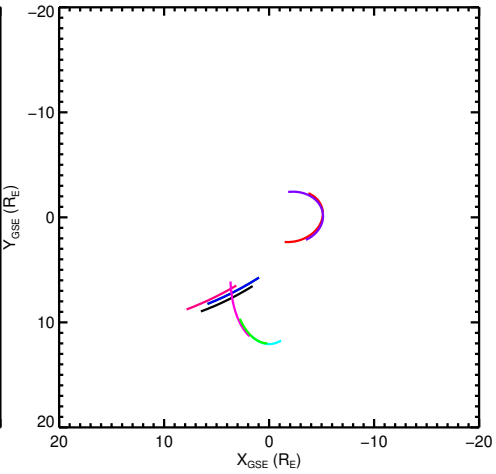




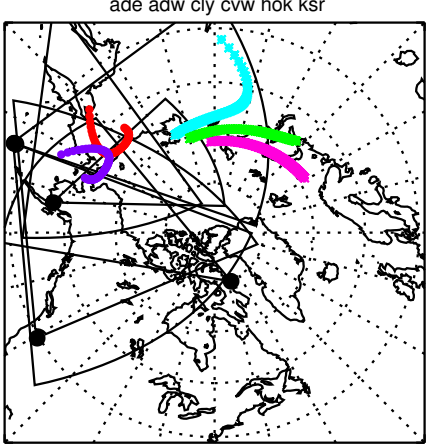
(a) 0105UT to 0650UT
bks cve fhe gbr sto wal



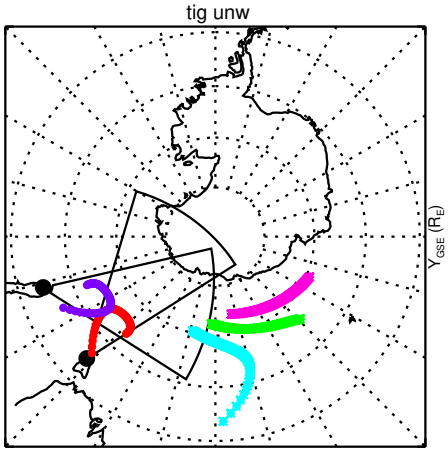


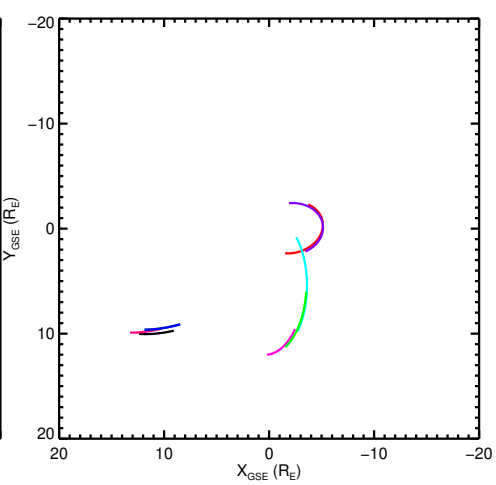


(b) 1005UT to 1550UT
ade adw cly cvw hok ksr

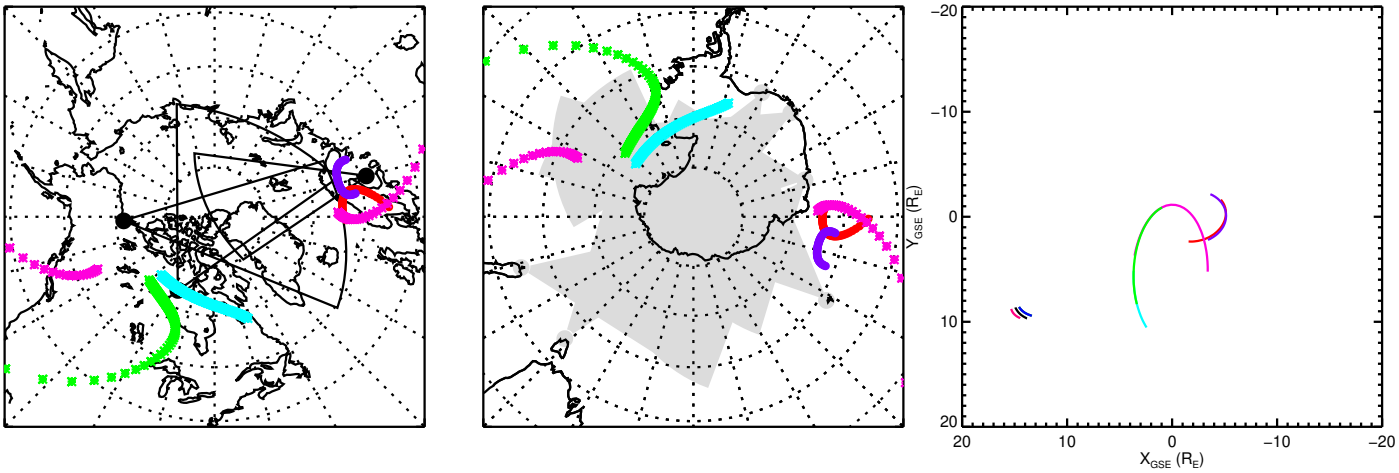


tig unw





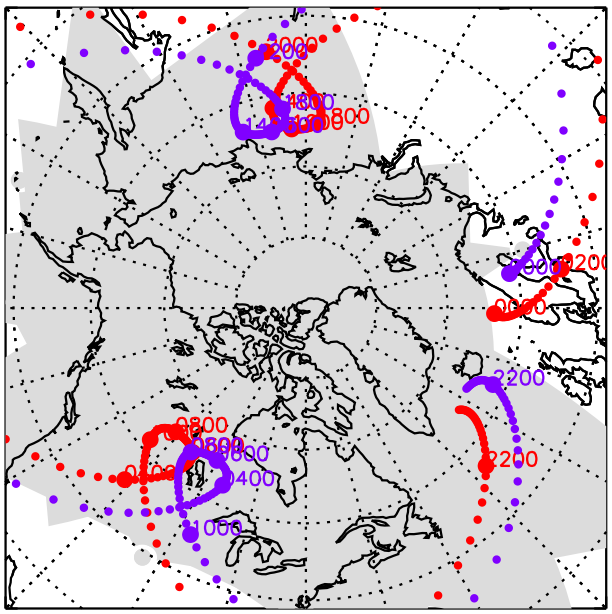
(c) 1905UT to 2355UT
han inv rkn

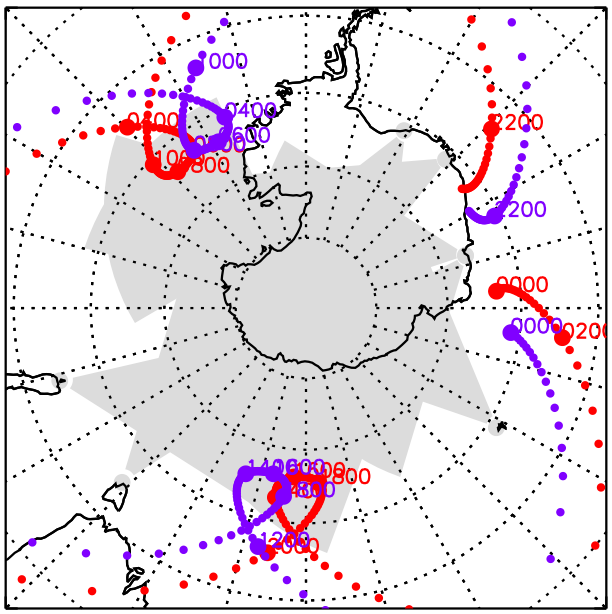


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

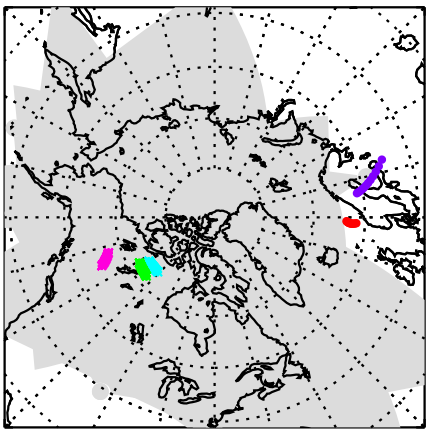
29–Jan–2015

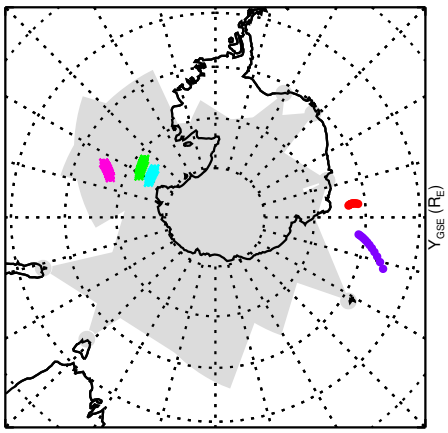
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

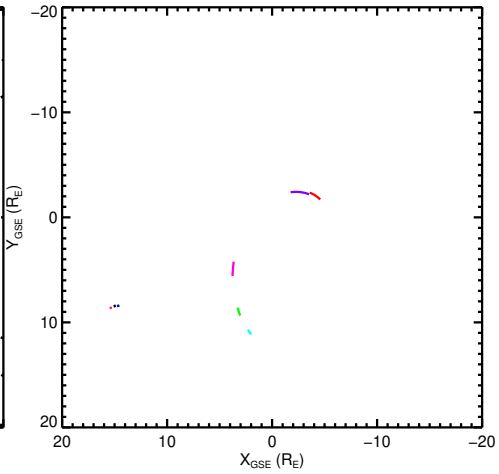




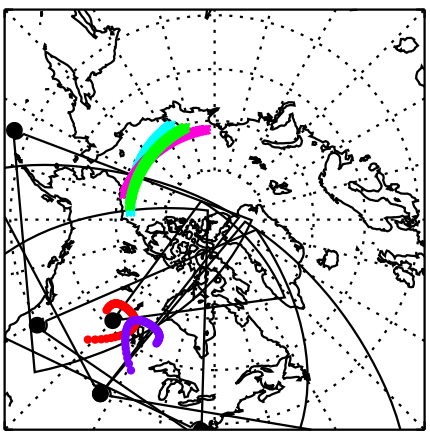
(a) 0000UT to 0055UT



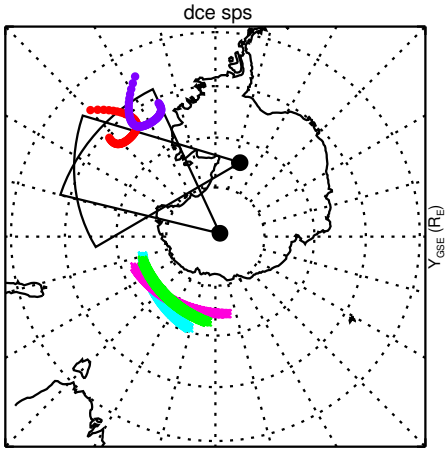


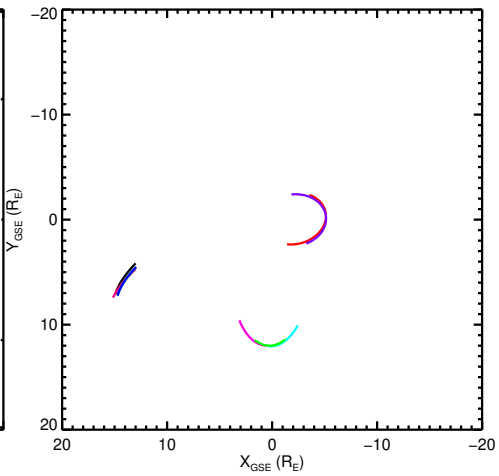


(b) 0400UT to 0955UT
ade bks cve fhe fhw sas

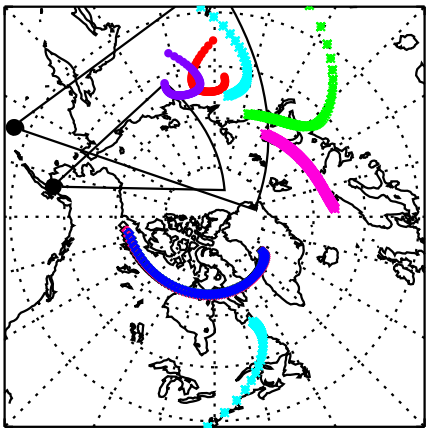


dce sps

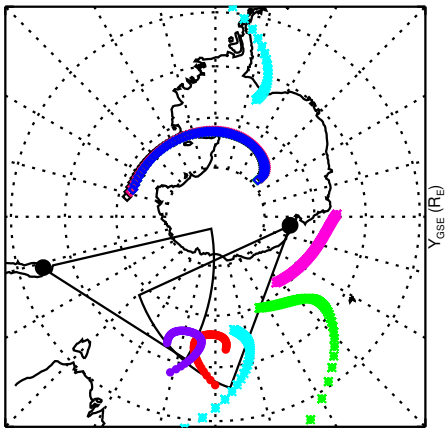


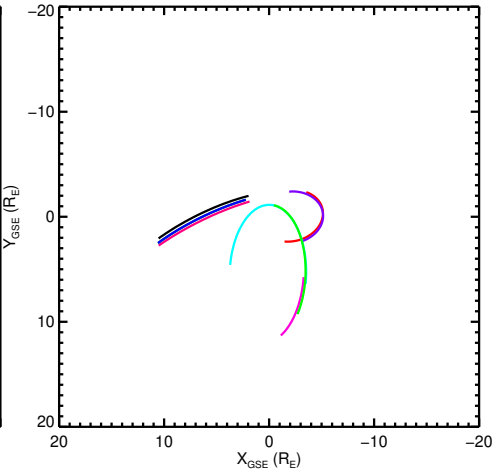


(c) 1300UT to 1855UT
adw ksr

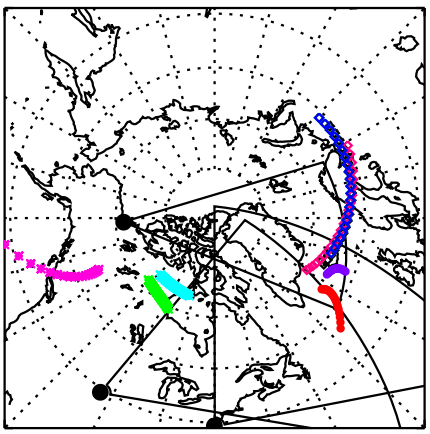


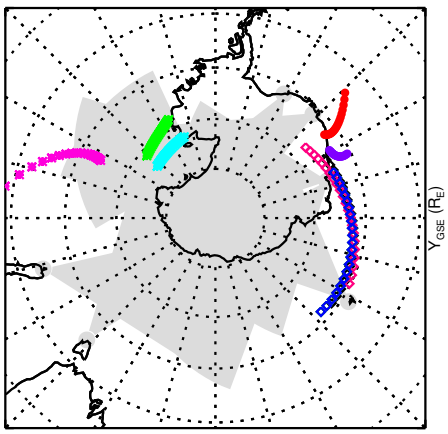
unw zho

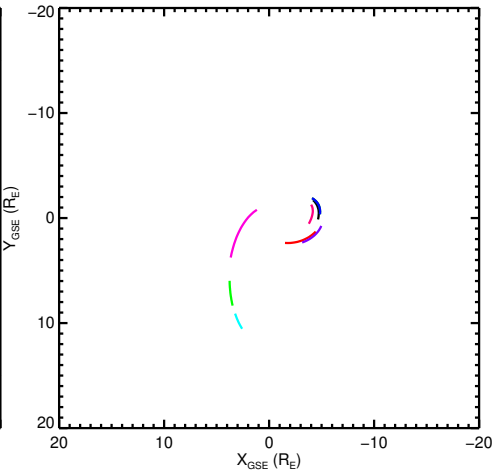




(d) 2200UT to 2355UT
fhe inv wal



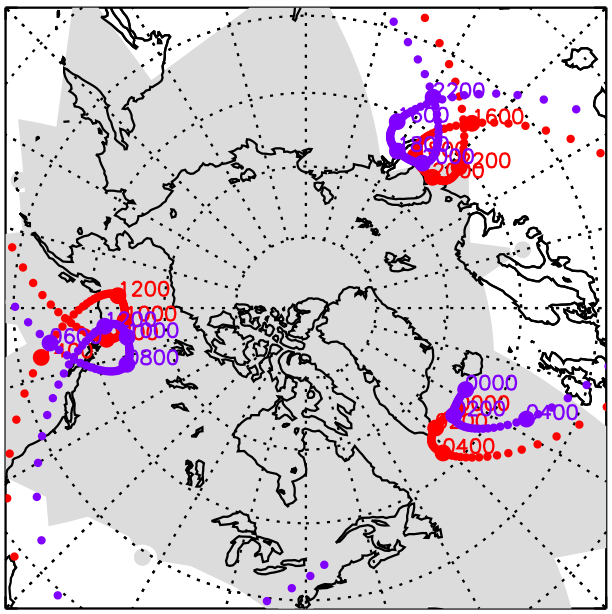


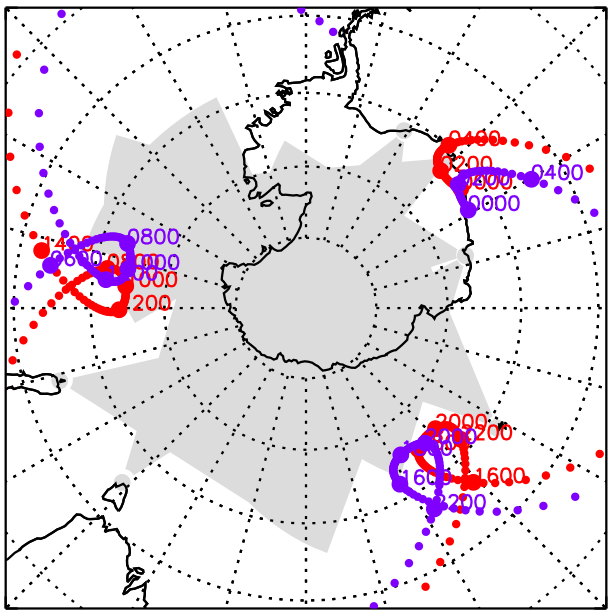


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

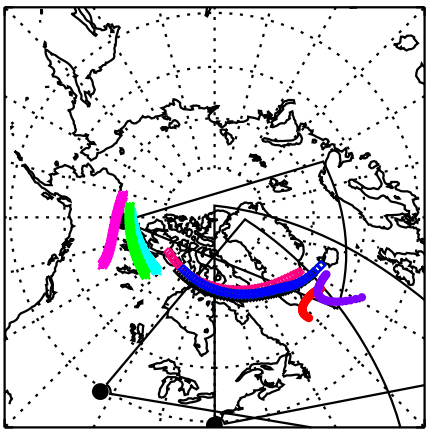
30–Jan–2015

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

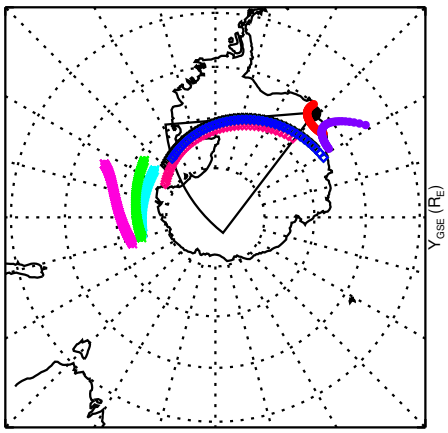


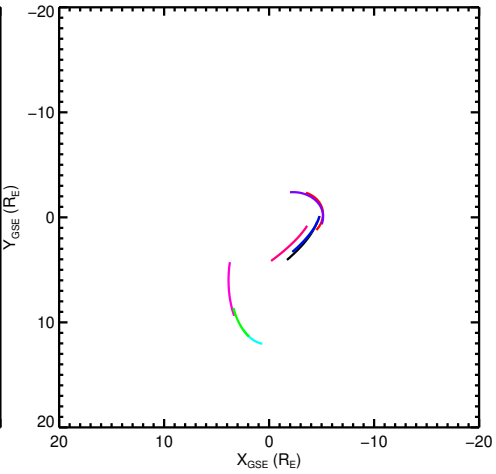


(a) 0000UT to 0355UT
fhe inv wal

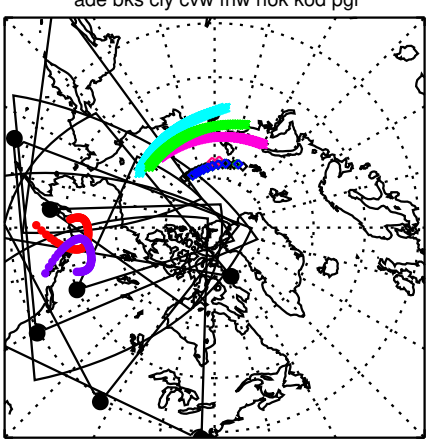


san

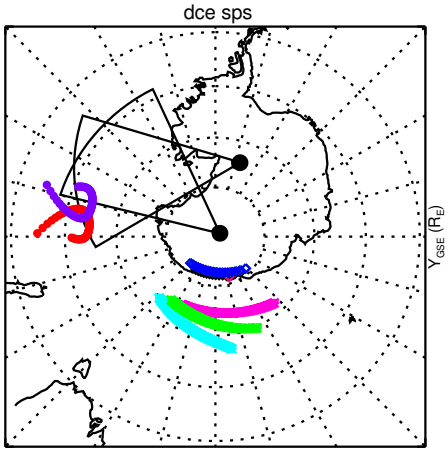


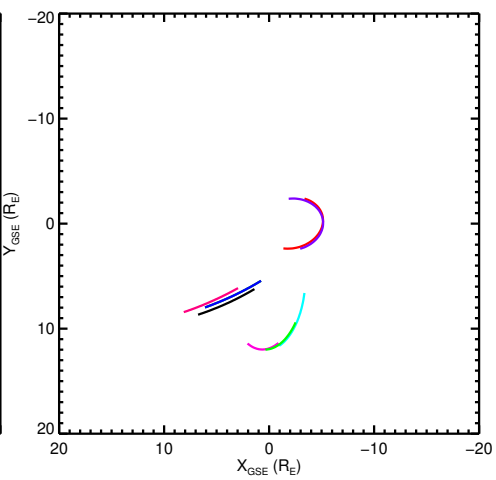


(b) 0655UT to 1300UT
ade bks cly cvw fhw hok kod pgr

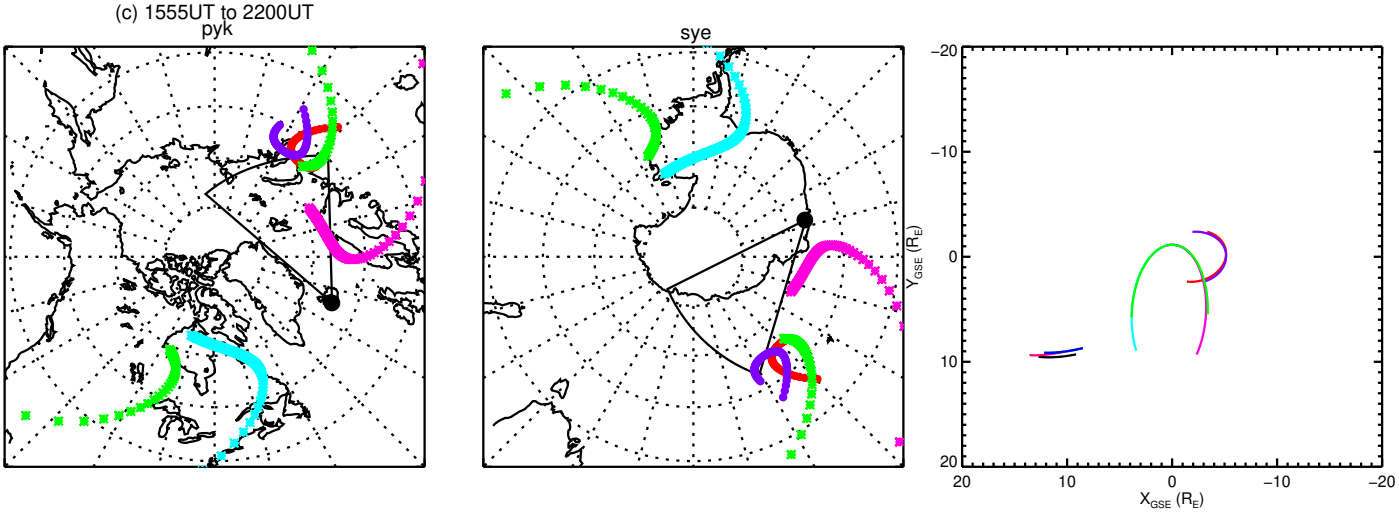


dce sps





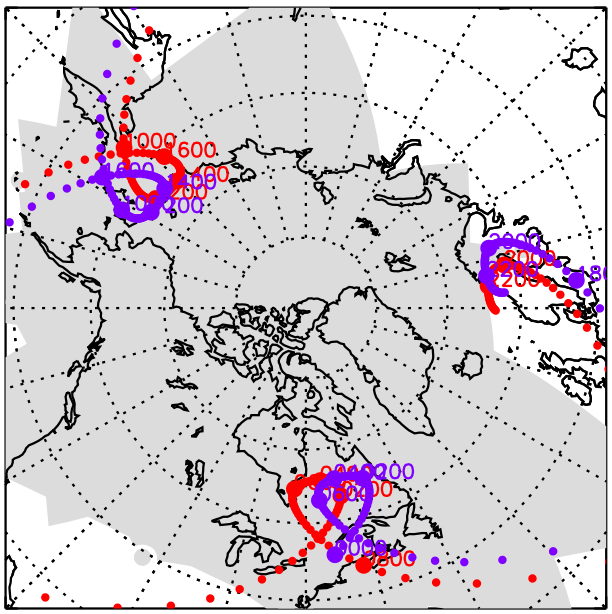
(c) 1555UT to 2200UT

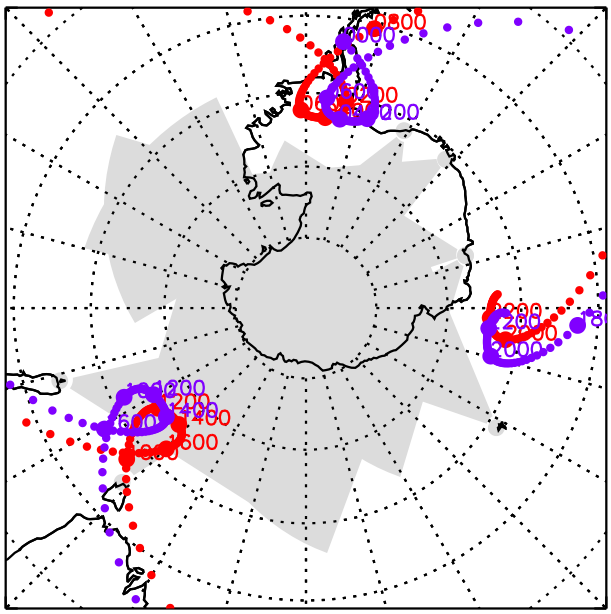


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

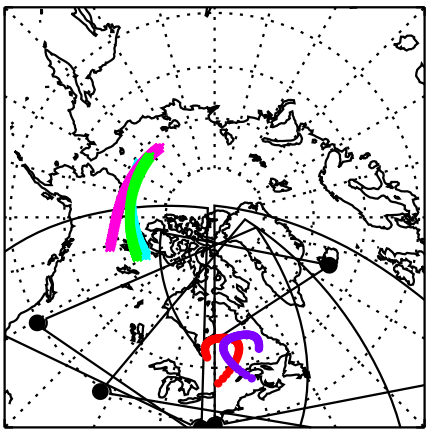
31–Jan–2015

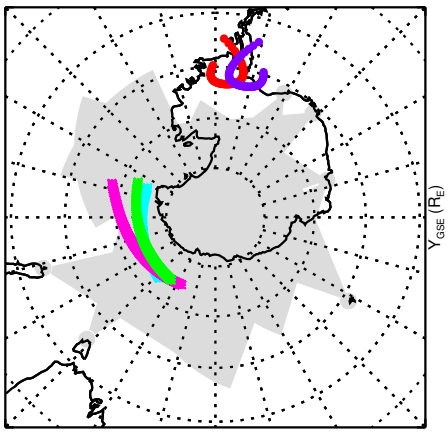
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

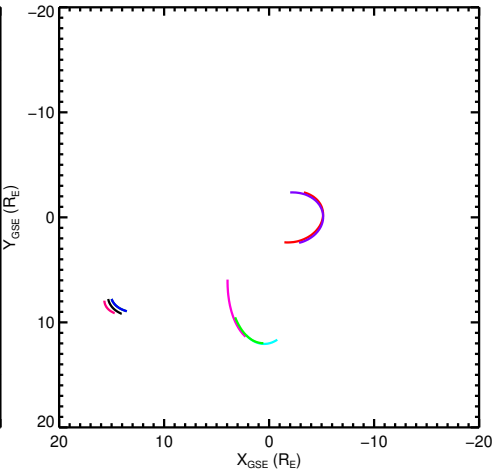




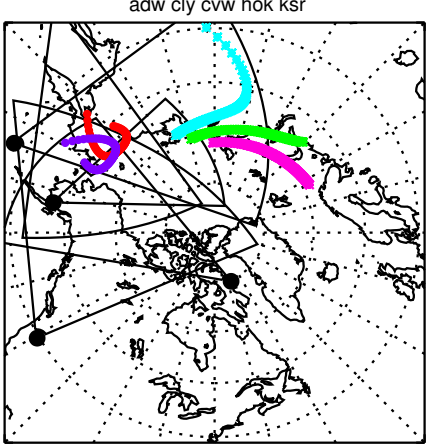
(a) 0055UT to 0700UT
bks cve fhe sto wal



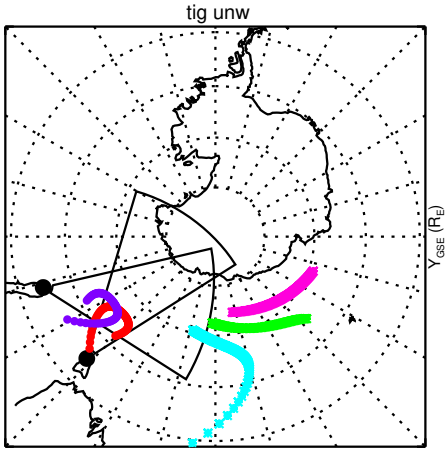


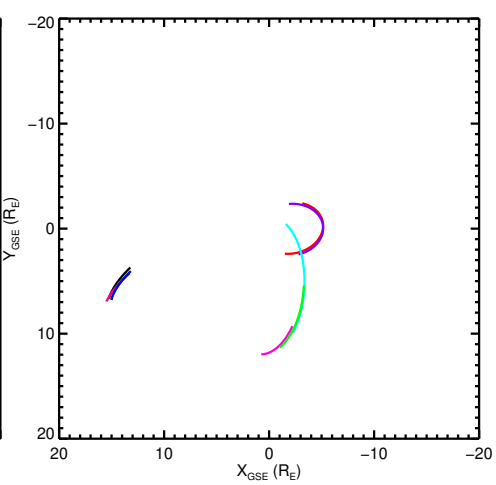
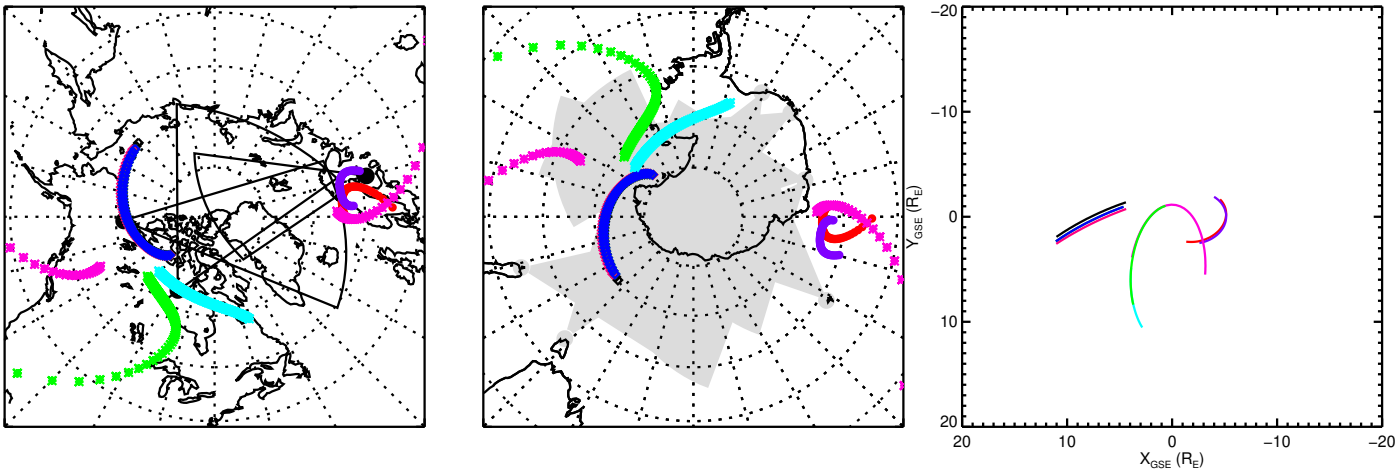


(b) 0955UT to 1605UT
adw cly cvw hok ksr



tig unw





(c) 1850UT to 2355UT
han inv rkn