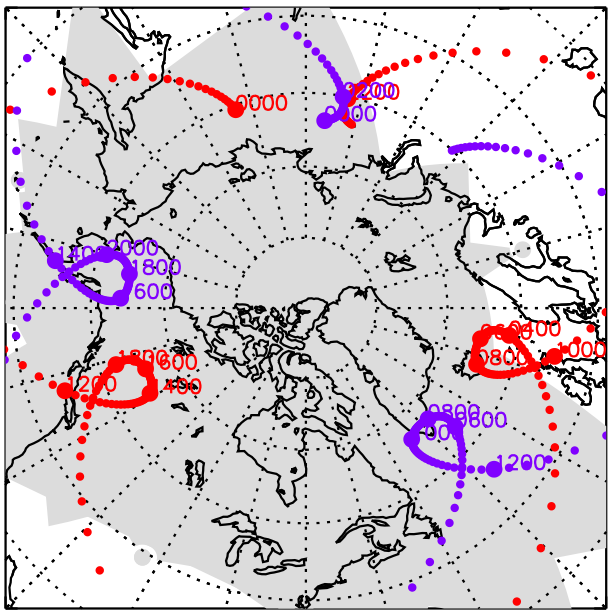
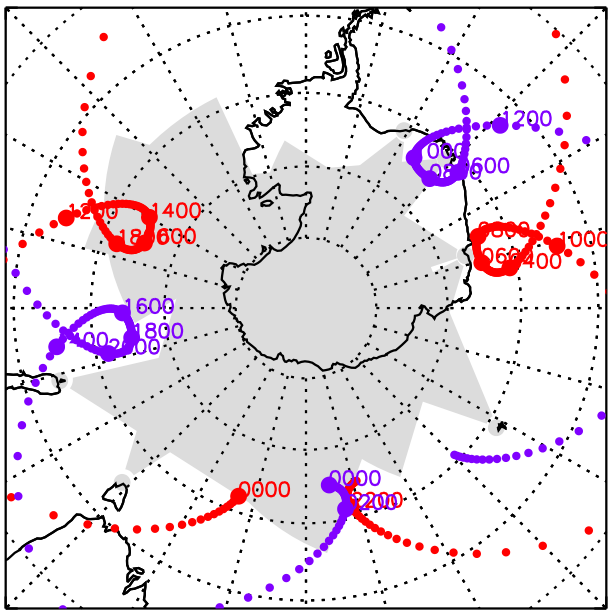
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

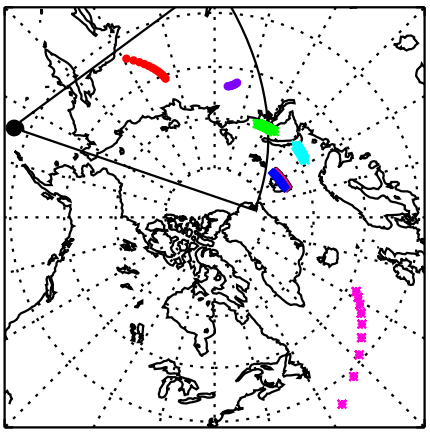
01−Aug−2014

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

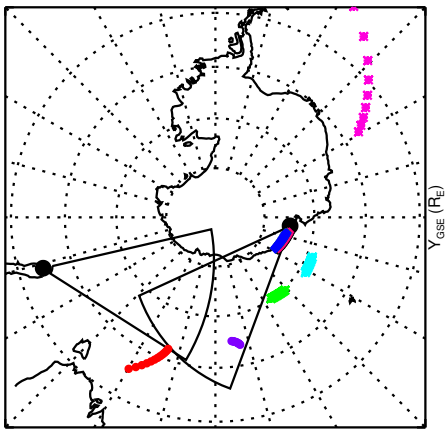


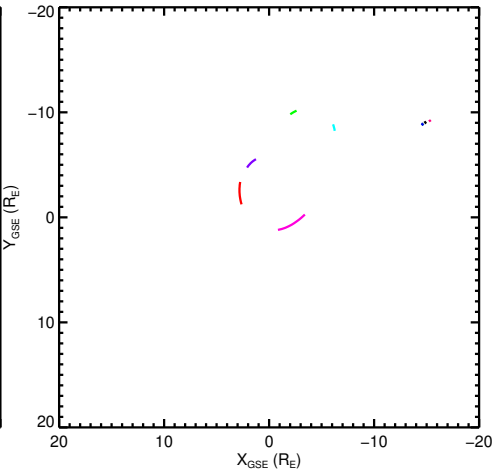


(a) 0000UT to 0100UT
adw

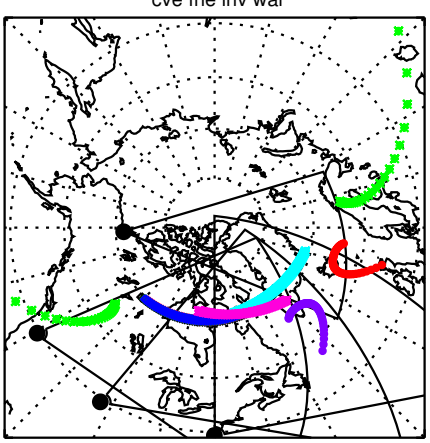


unw zho

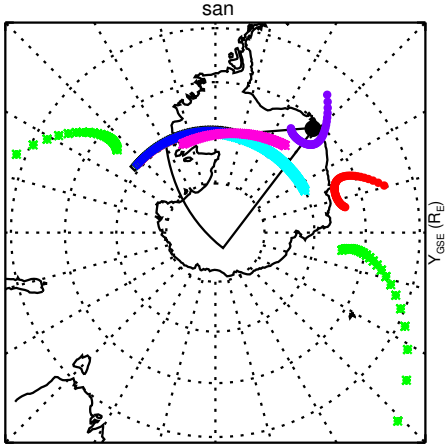


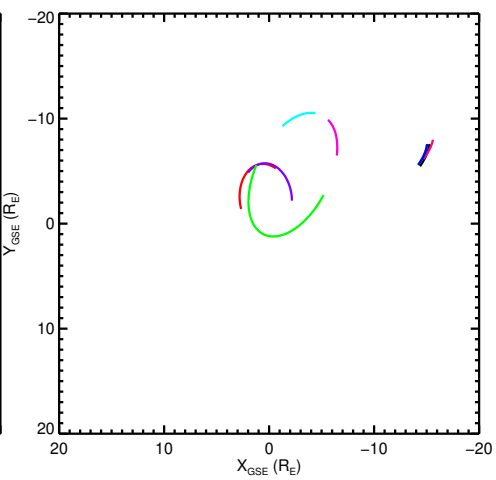


(b) 0500UT to 0955UT
cve fhe inv wal

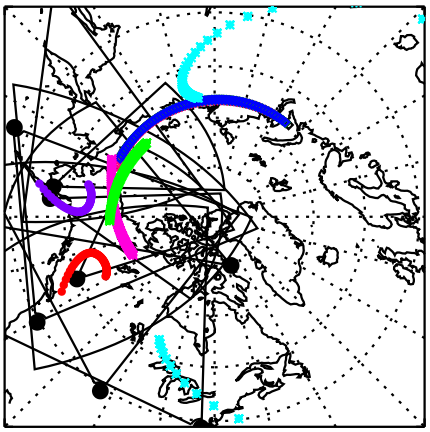


san

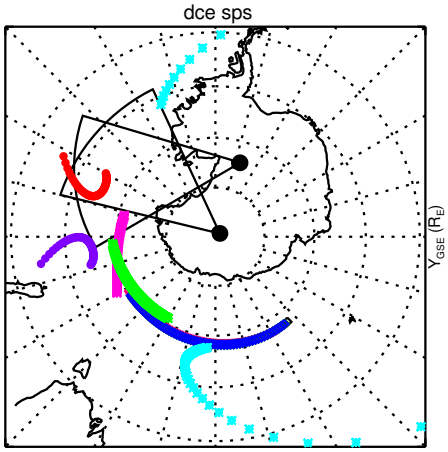


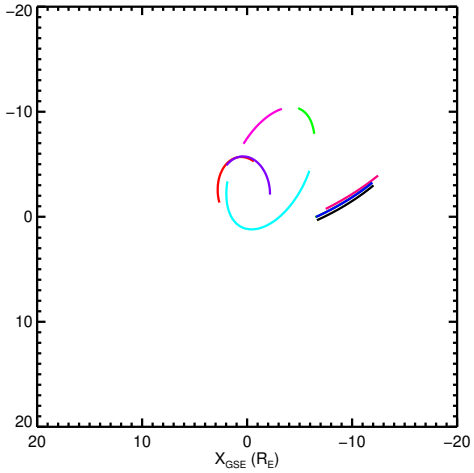


(c) 1400UT to 1855UT
ade bks cly cvw fhw hok kod ksr pgr

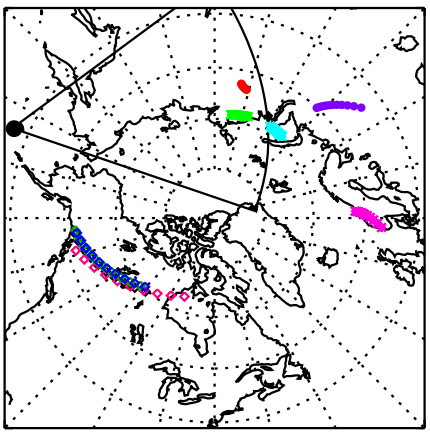


dce sps

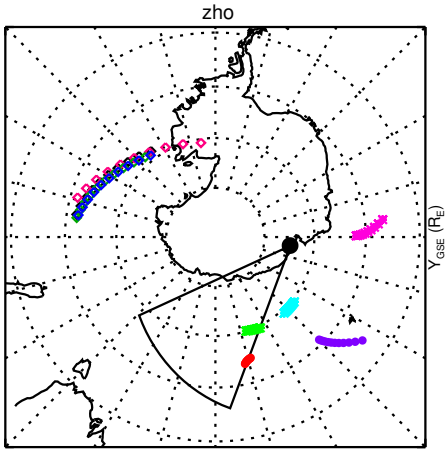


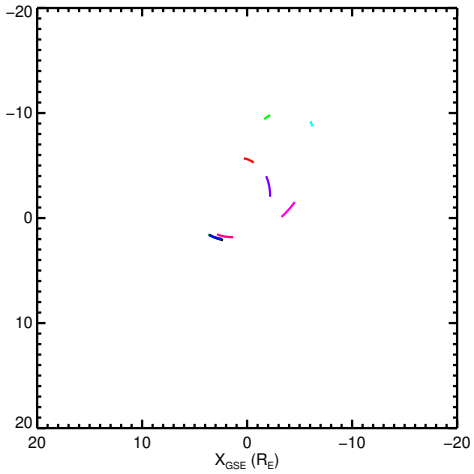


(d) 2300UT to 2355UT
adw



zho

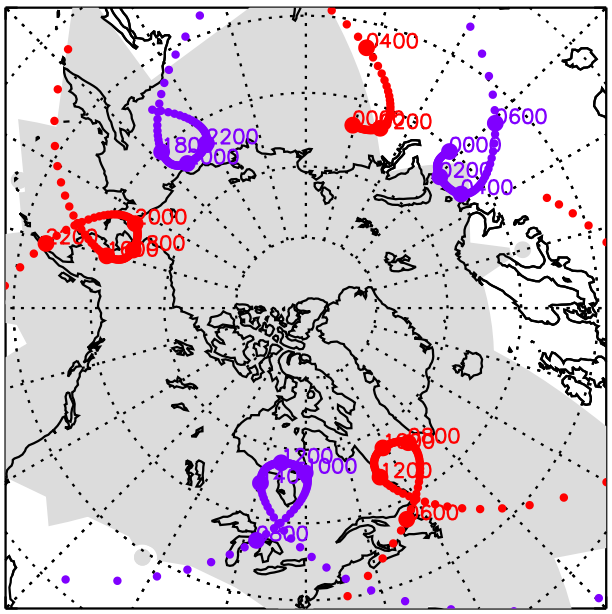


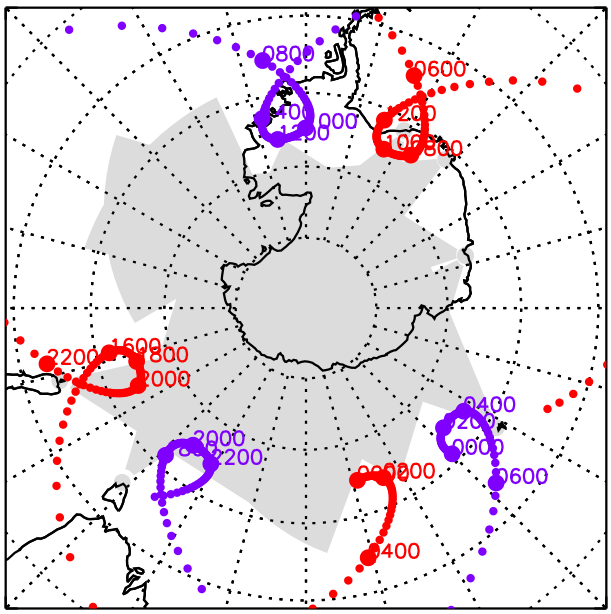


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

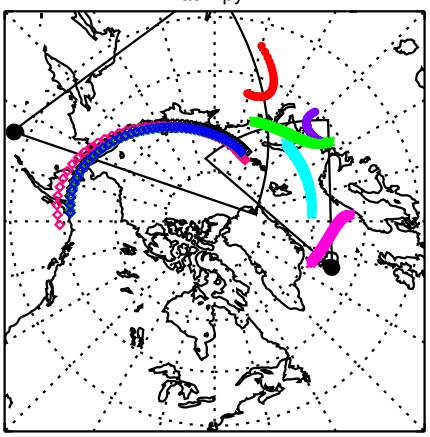
02–Aug–2014

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

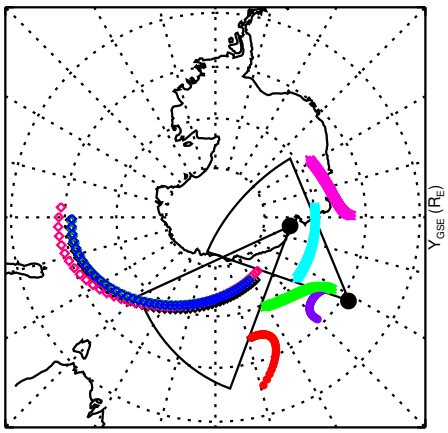


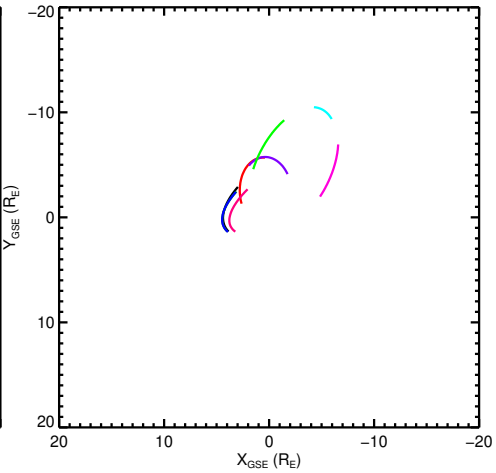


(a) 0000UT to 0355UT
adw pyk

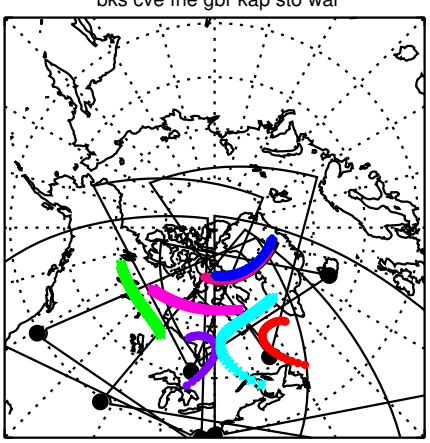


ker zho

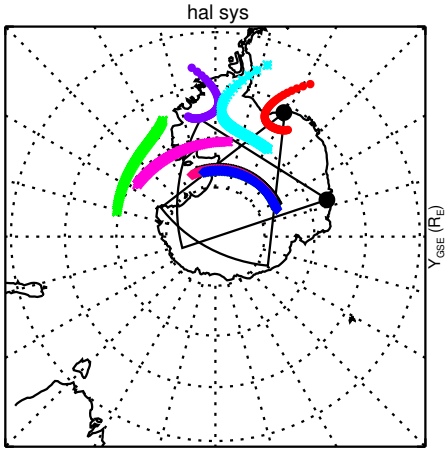


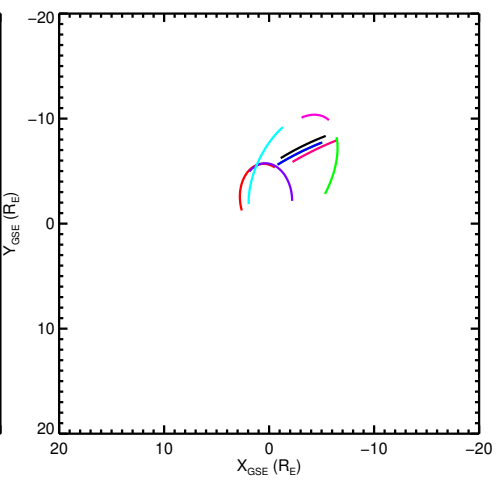


(b) 0805UT to 1255UT
bks cve fhe gbr kap sto wal

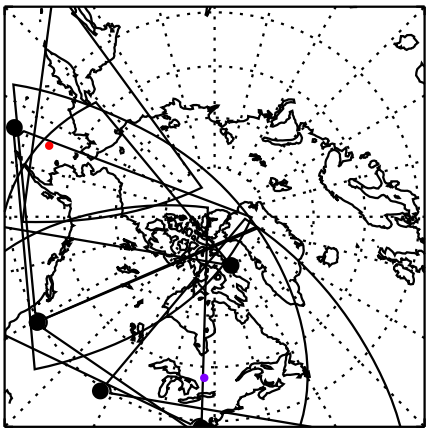


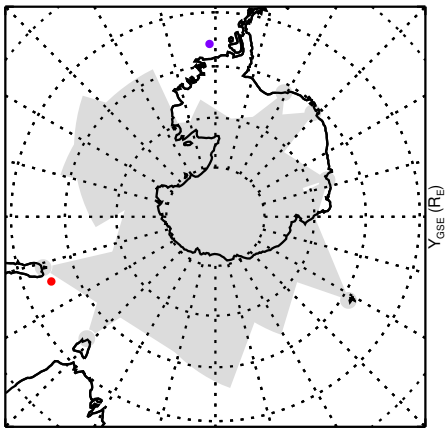
hal sys

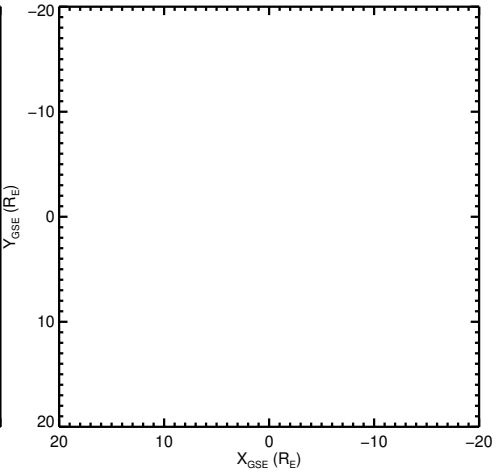




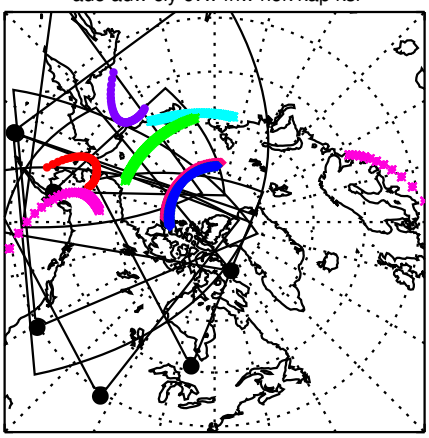
(c) 1500UT to 1500UT
ade bks cly cve cvw fhe hok



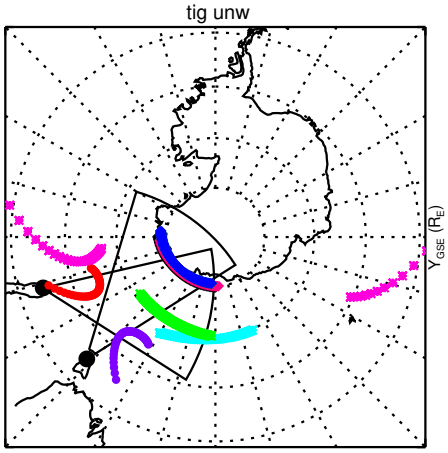


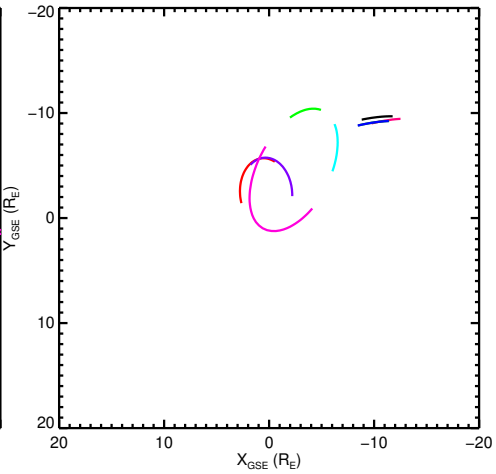


(d) 1705UT to 2150UT
ade adw cly cvw fhw hok kap ksr



tig unw

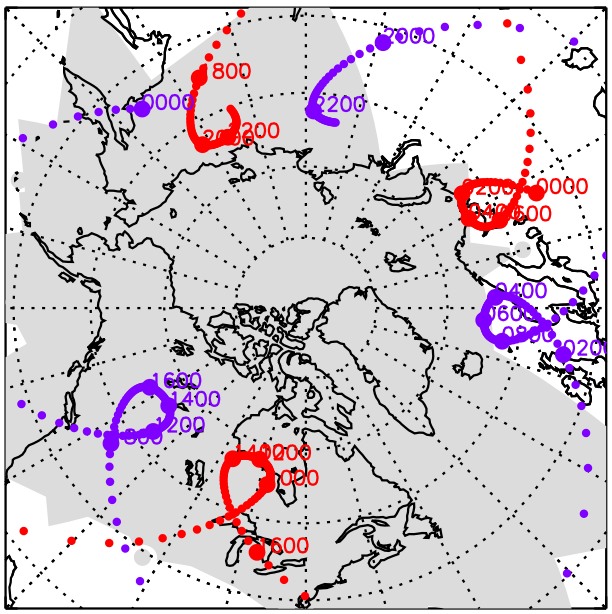


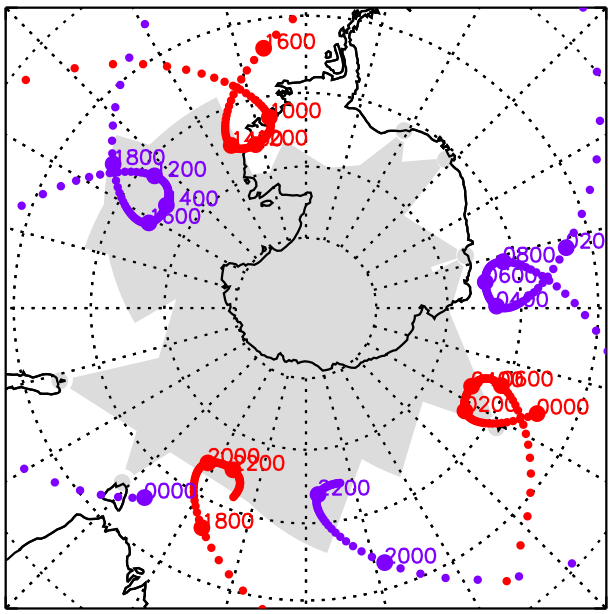


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

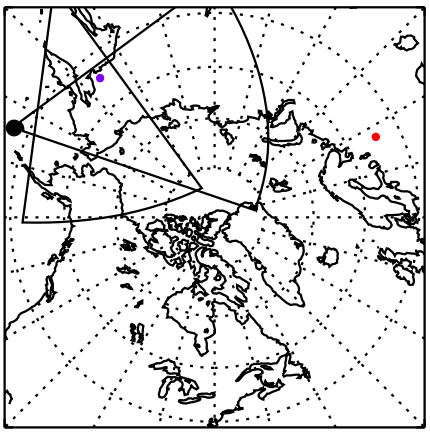
03–Aug–2014

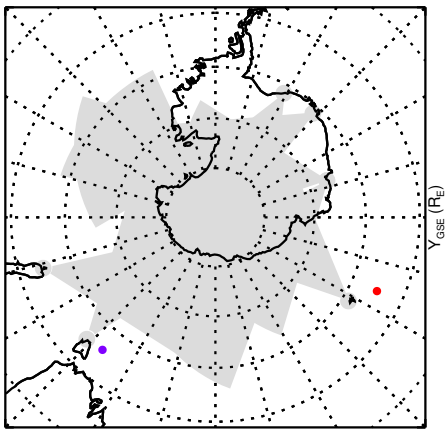
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

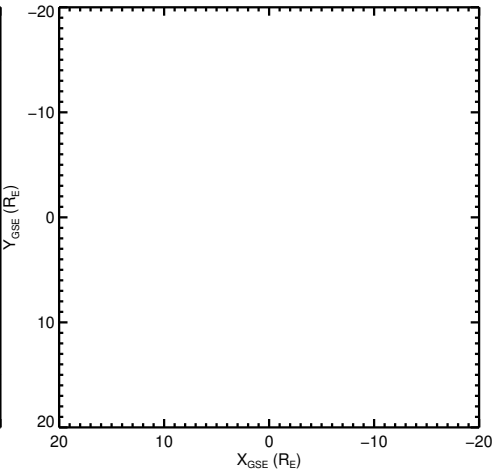




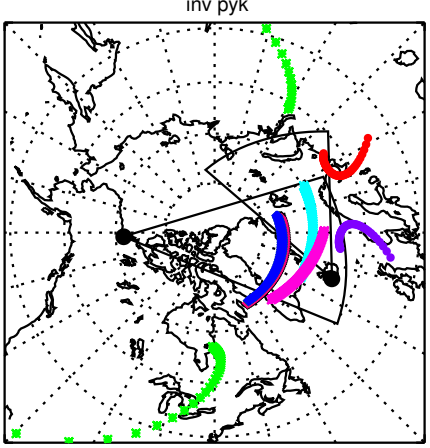
(a) 0000UT to 0000UT
adw hok







(b) 0205UT to 0650UT
inv pyk



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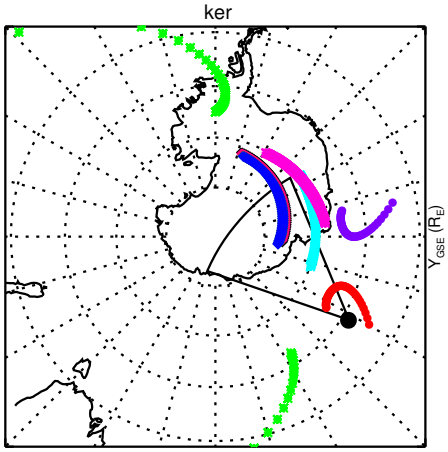
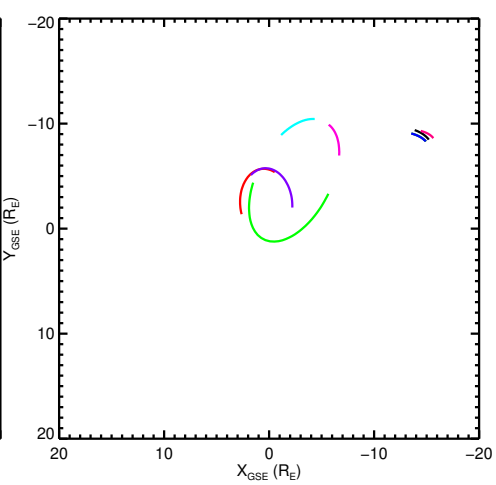
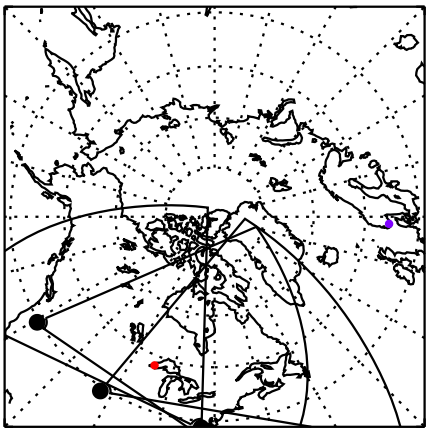
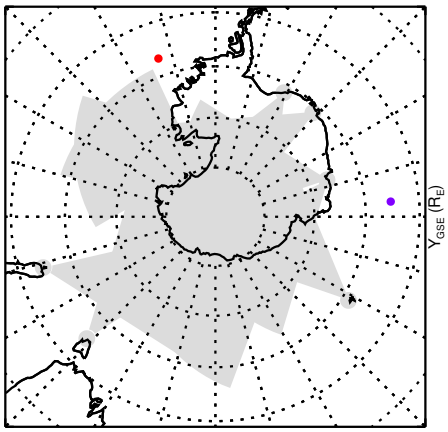
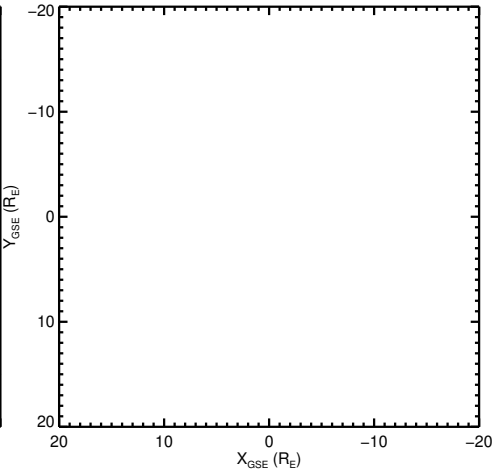




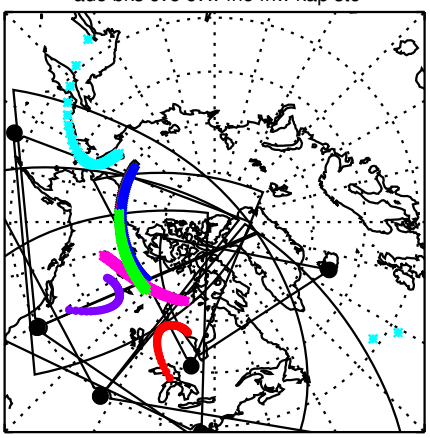
(c) 0900UT to 0900UT
bks cve fhe



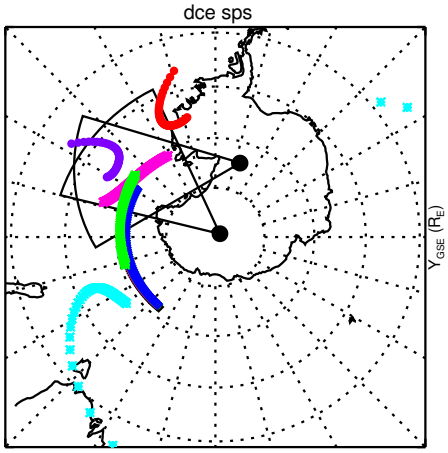


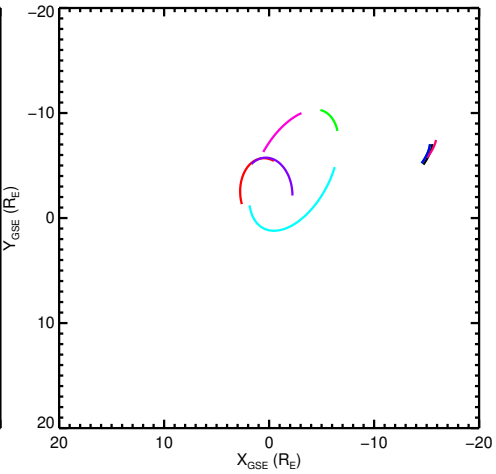


(d) 1110UT to 1550UT
ade bks cve cvw fhe fhw kap sto

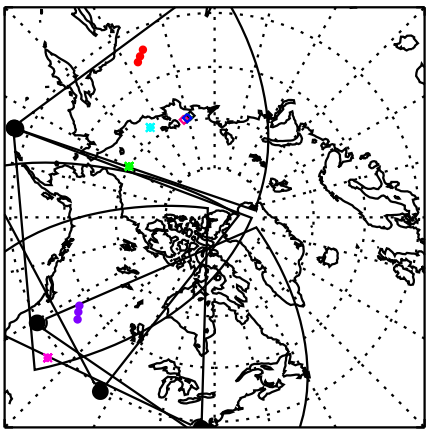


dce sps

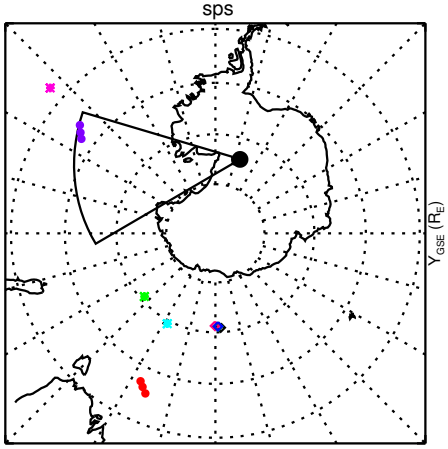


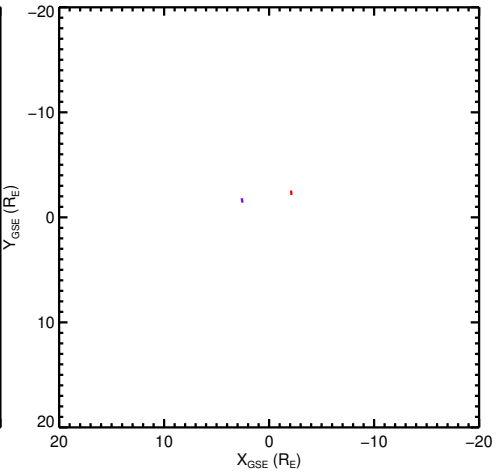


(e) 1755UT to 1805UT
ade adw bks cve fhw

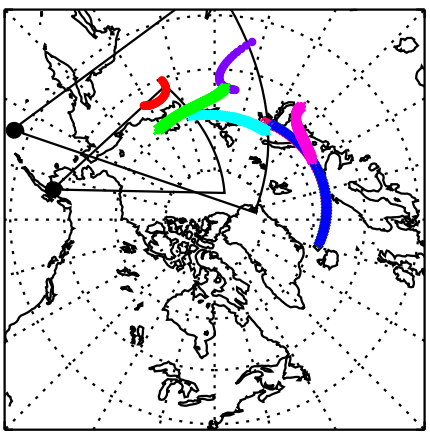


sps

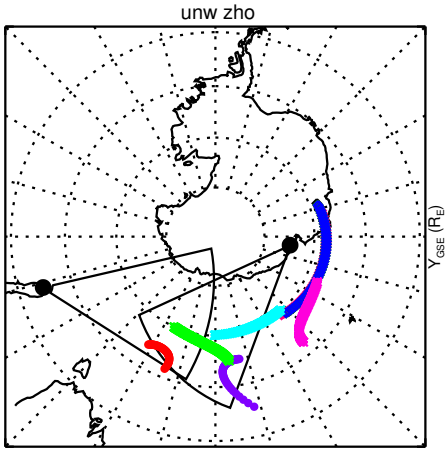


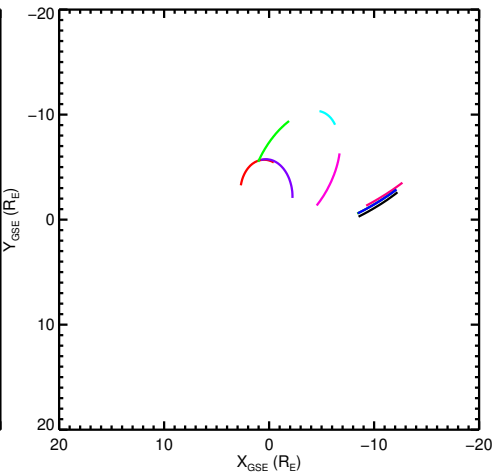


(f) 2010UT to 2355UT
adw ksr



unw zho

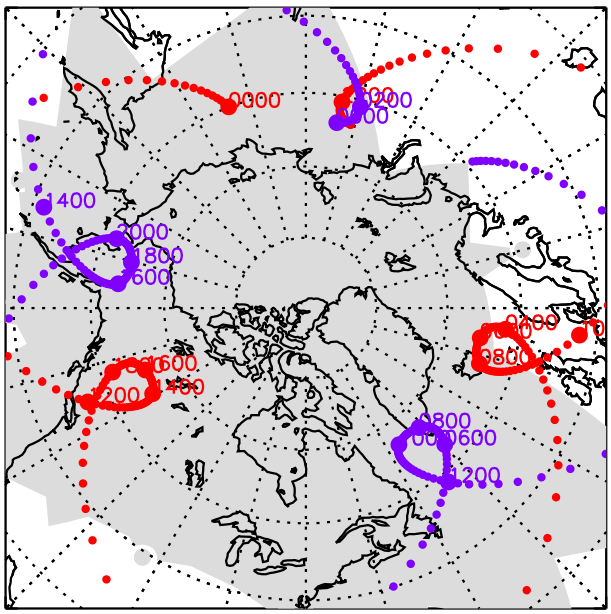


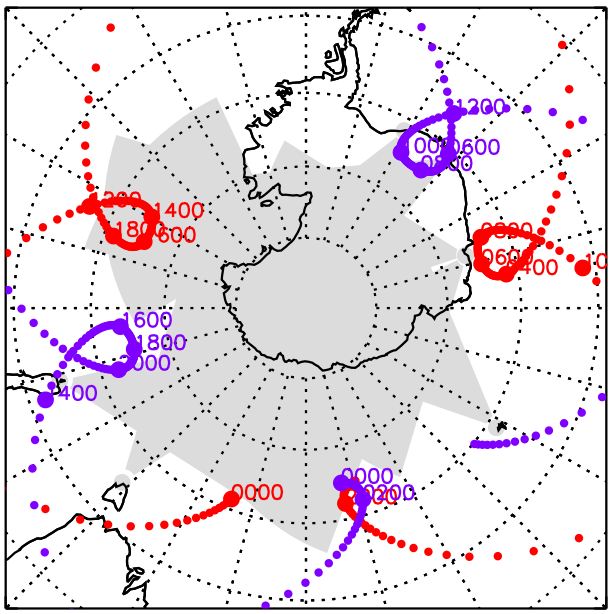


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

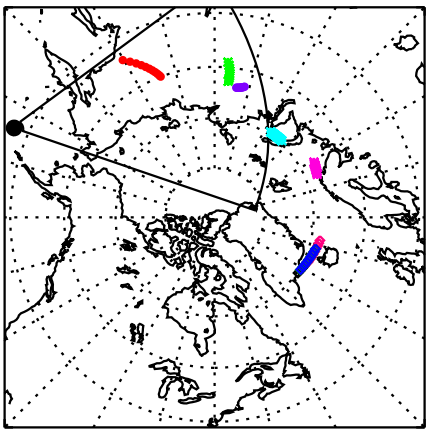
04–Aug–2014

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

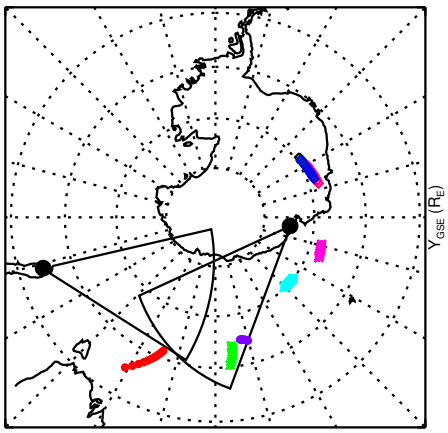


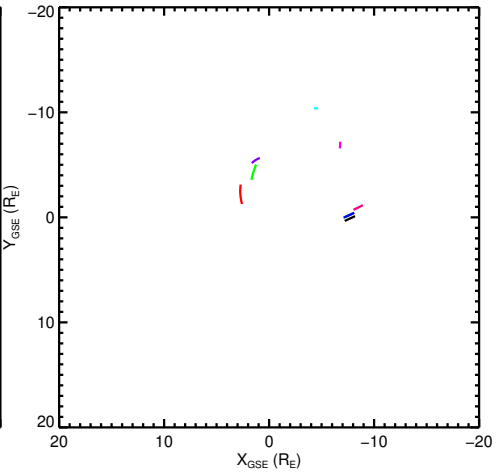


(a) 0000UT to 0050UT
adw

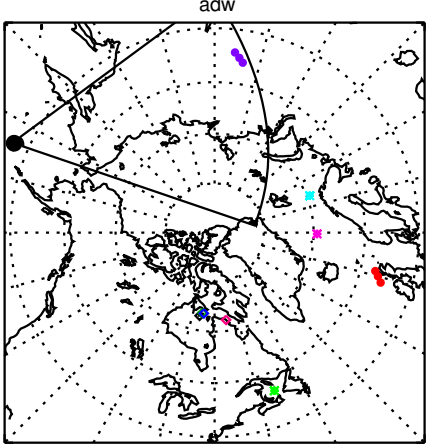


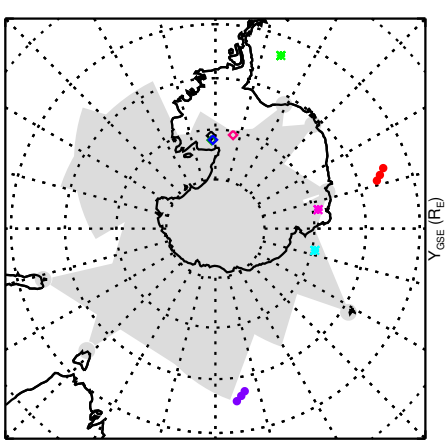
unw zho

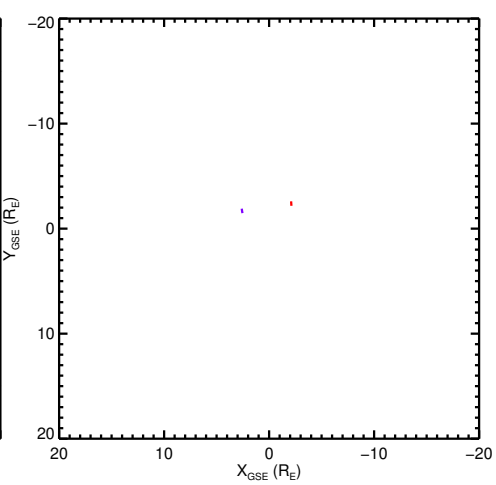




(b) 0255UT to 0305UT
adw

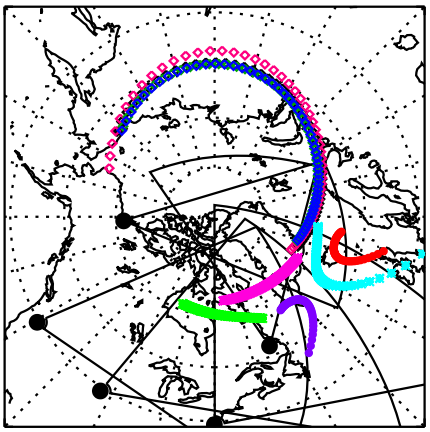


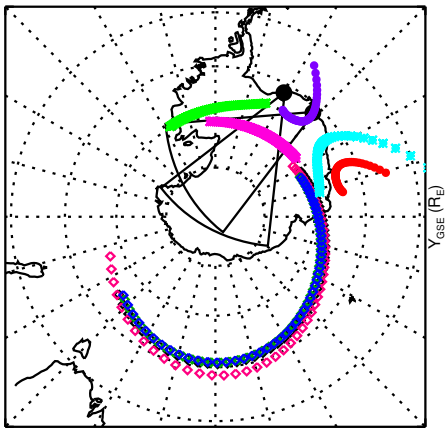


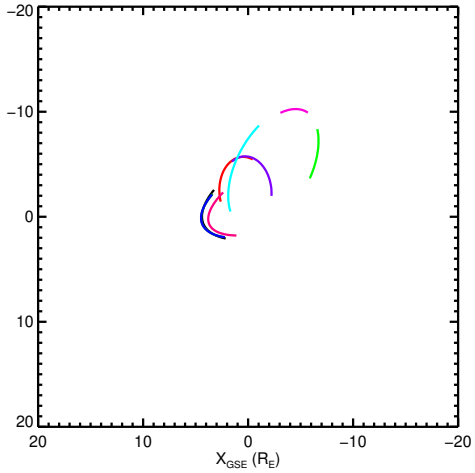


(c) 0510UT to 0945UT
cve fhe gbr inv wal

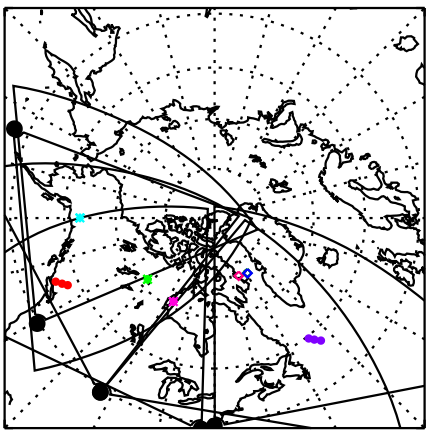
hal san

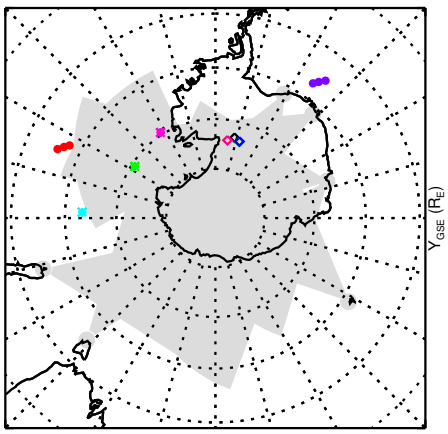


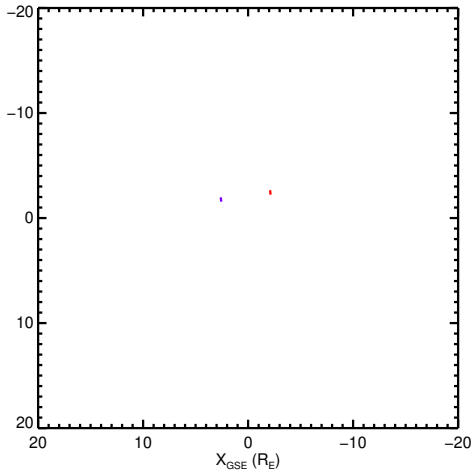




(d) 1155UT to 1205UT
ade bks cvw fhe fhw wal

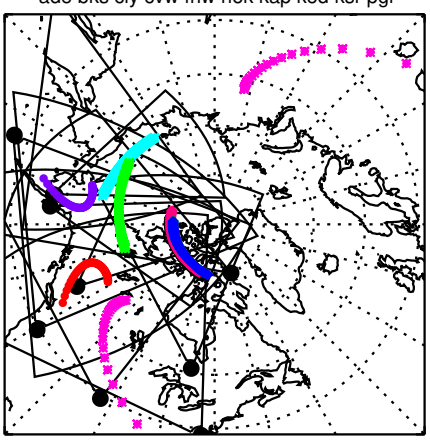


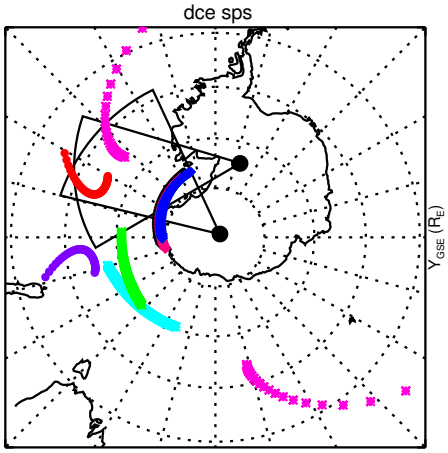


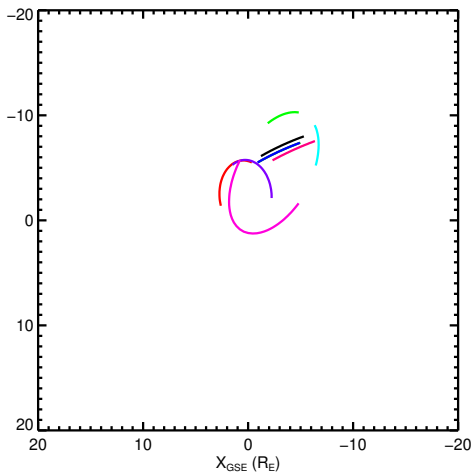


(e) 1415UT to 1845UT
ade bks cly cvw fhw hok kap kod ksr pgr

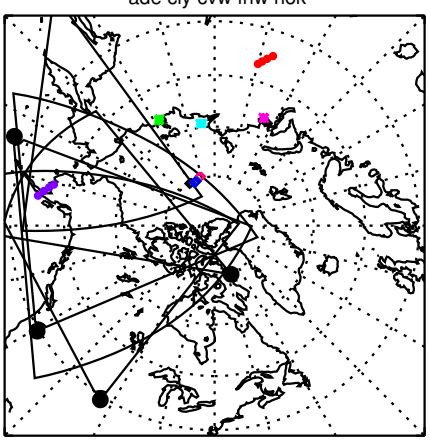
dce sps

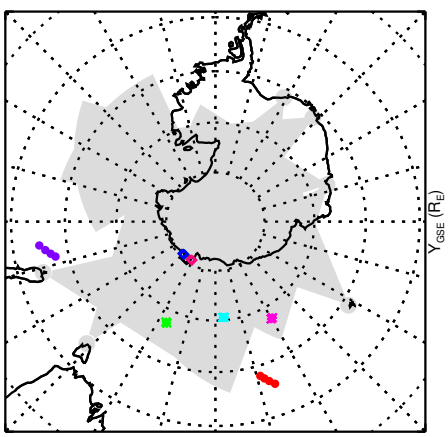


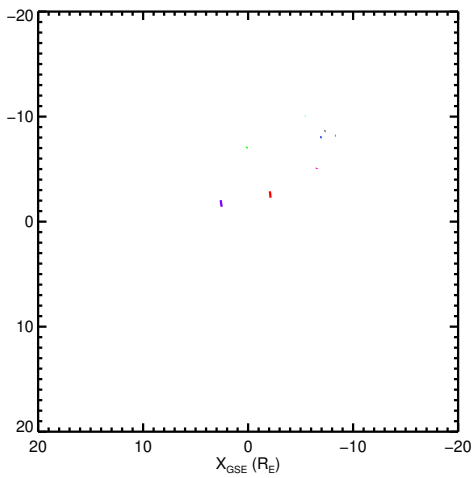




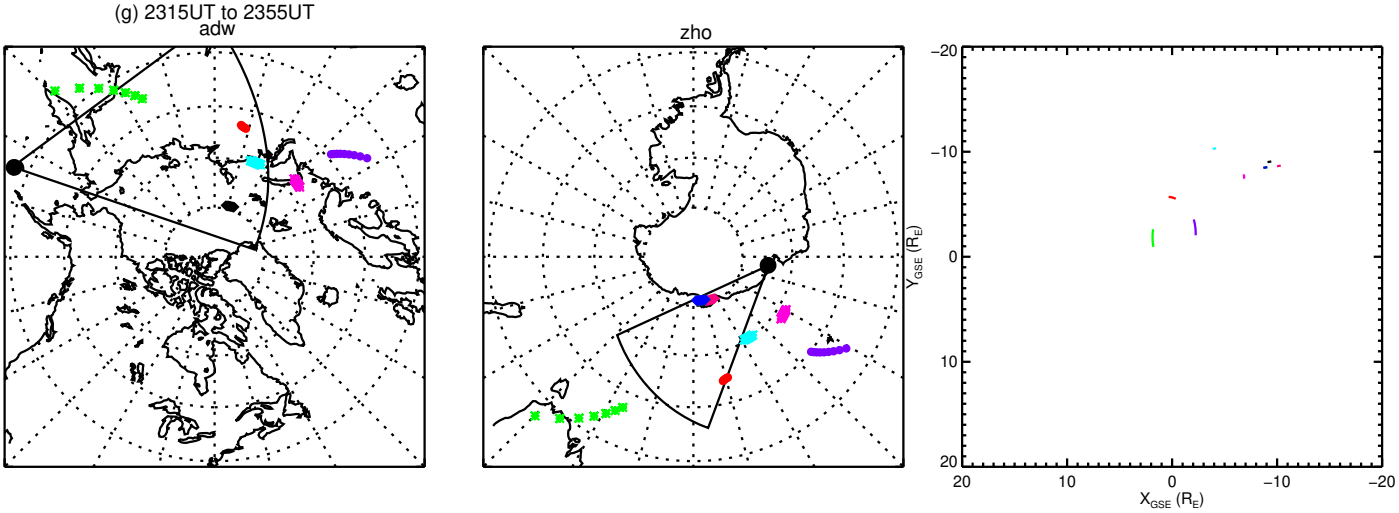
(f) 2055UT to 2110UT
ade cly cvw fhw hok







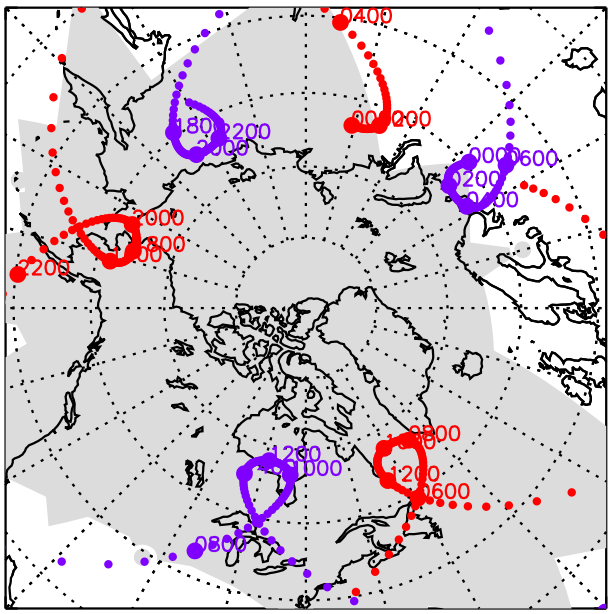
(g) 2315UT to 2355UT

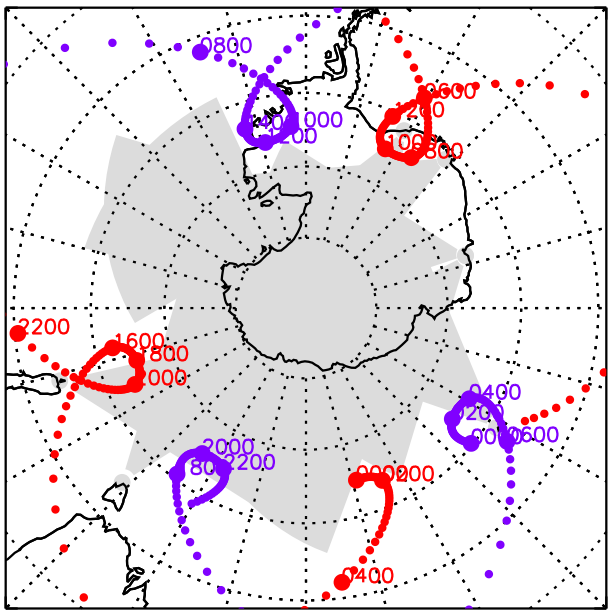


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

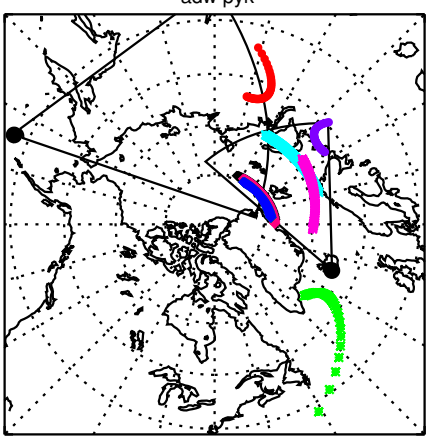
05–Aug–2014

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

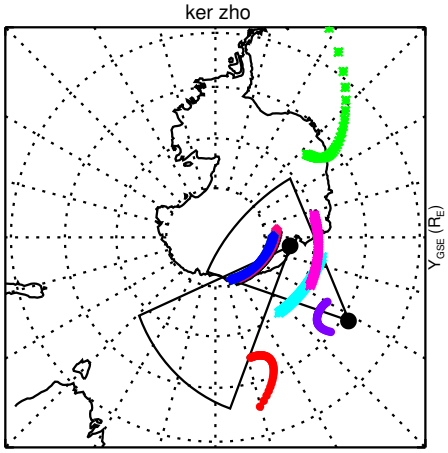


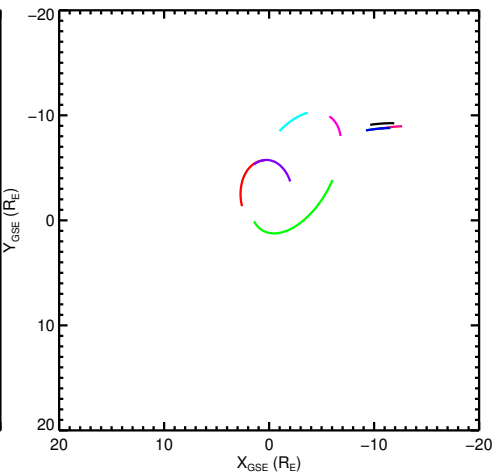


(a) 0000UT to 0345UT
adw pyk

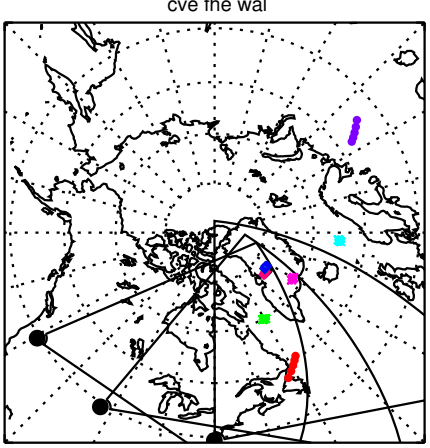


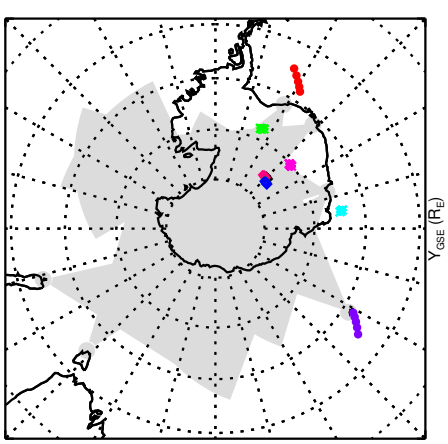
ker zho

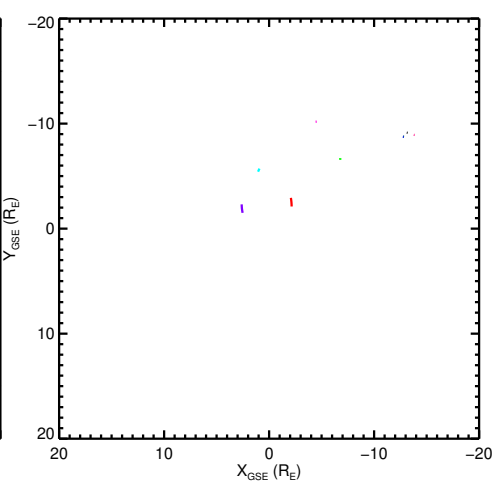




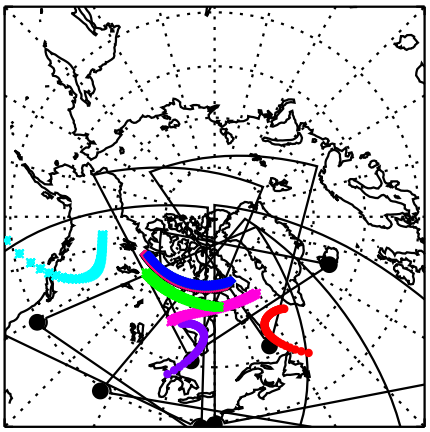
(b) 0550UT to 0610UT
cve fhe wal



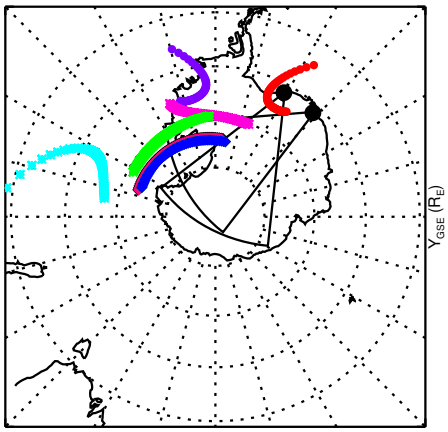


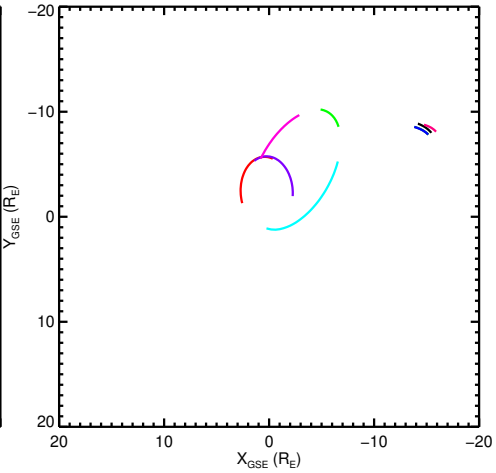


(c) 0815UT to 1245UT
bks cve fhe gbr kap sto wal

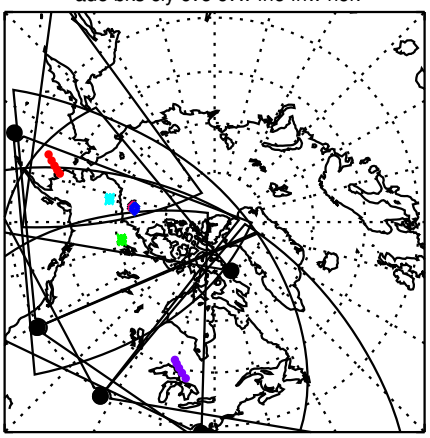


hal san

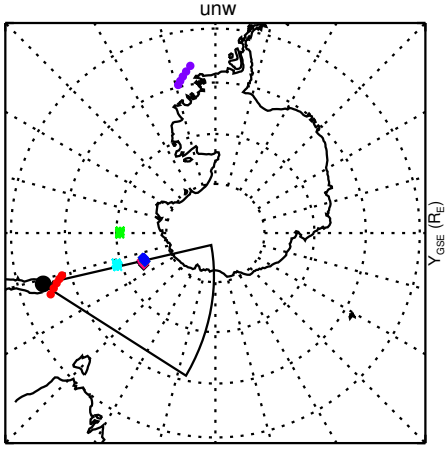


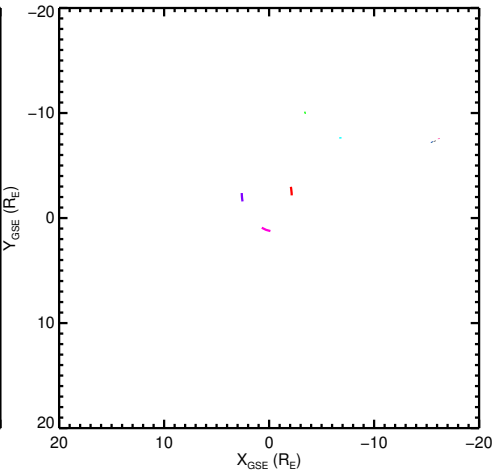


(d) 1450UT to 1510UT
ade bks cly cve cvw fhe fhw hok

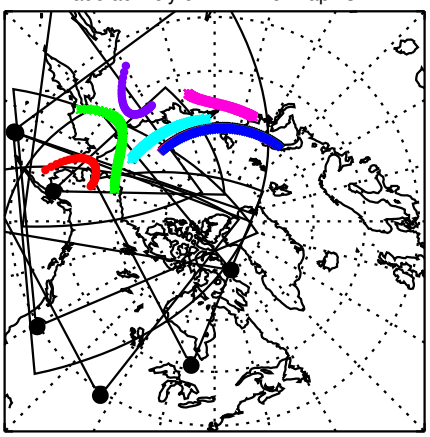


unw

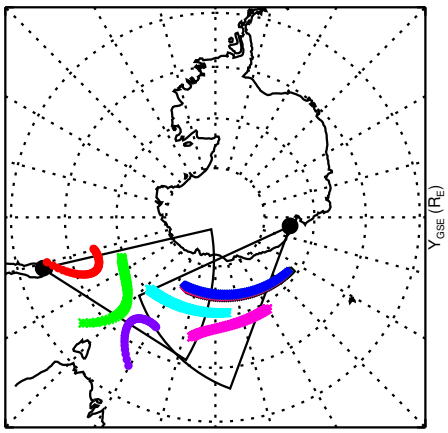


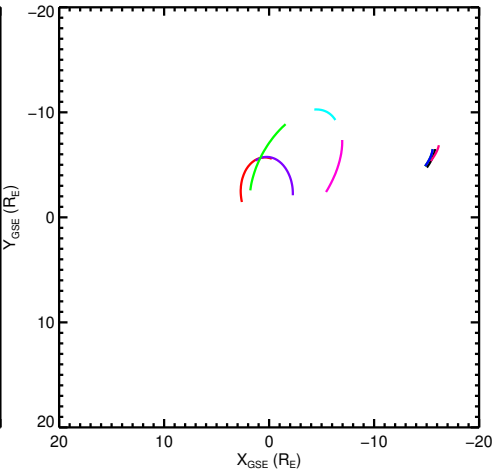


(e) 1720UT to 2140UT
ade adw cly cvw fhw hok kap ksr

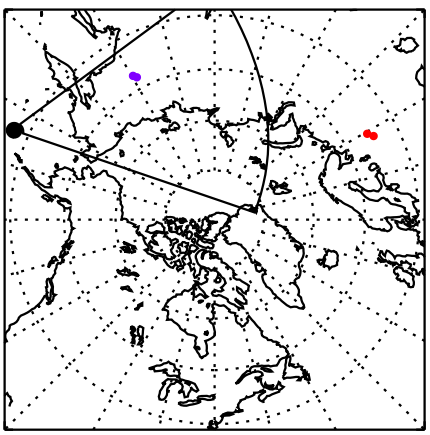


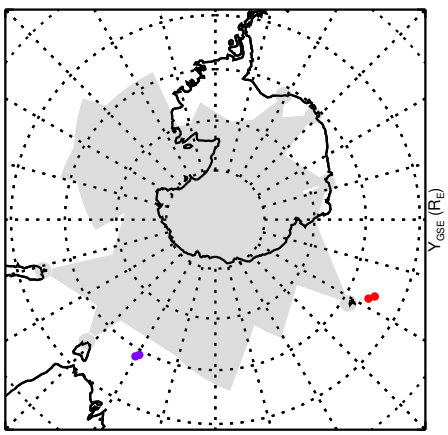
unw zho

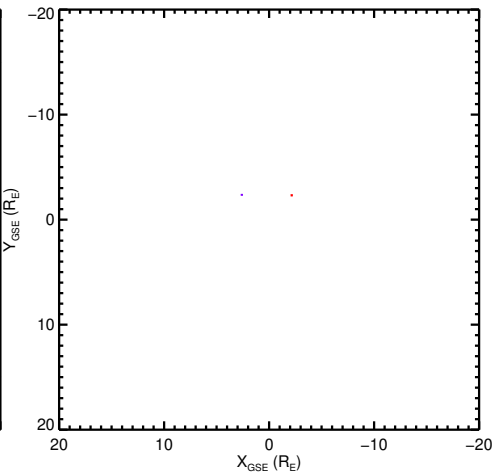




(f) 2350UT to 2355UT
adw



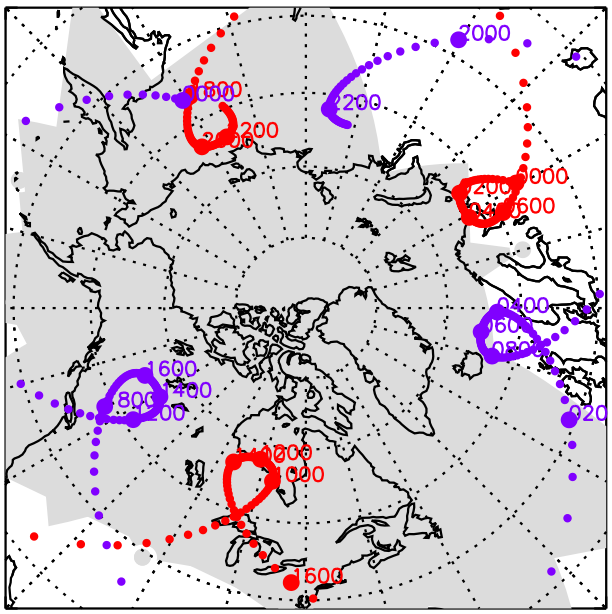


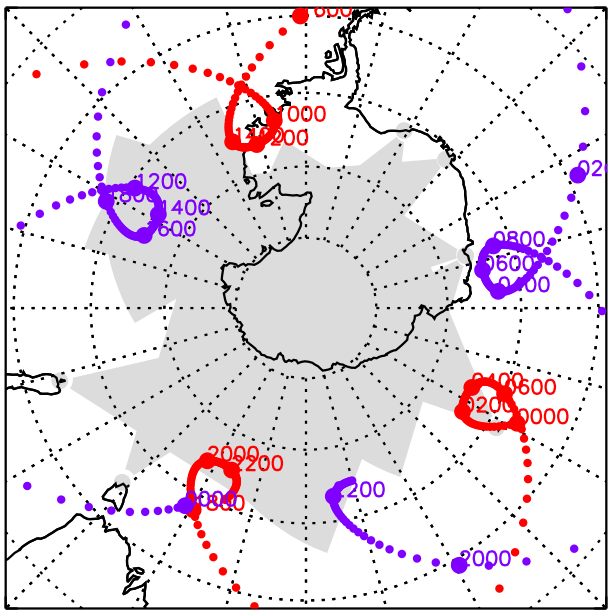


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

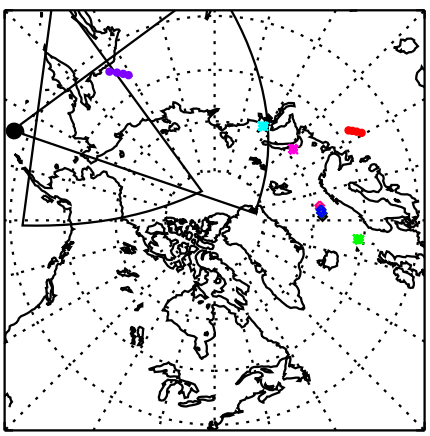
06–Aug–2014

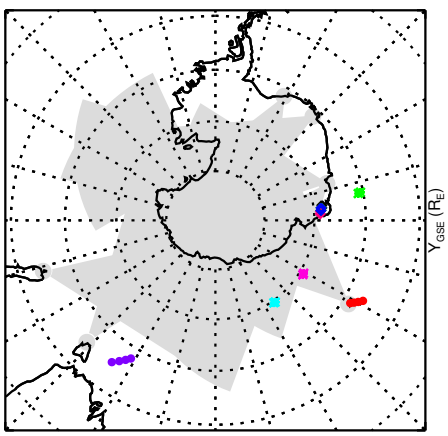
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

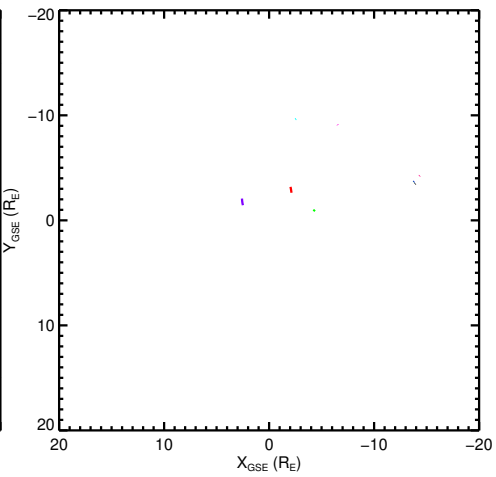




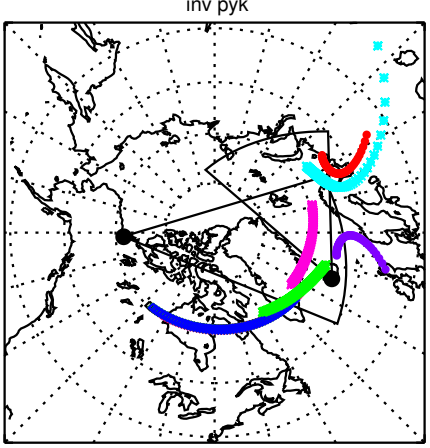
(a) 0000UT to 0015UT
adw hok



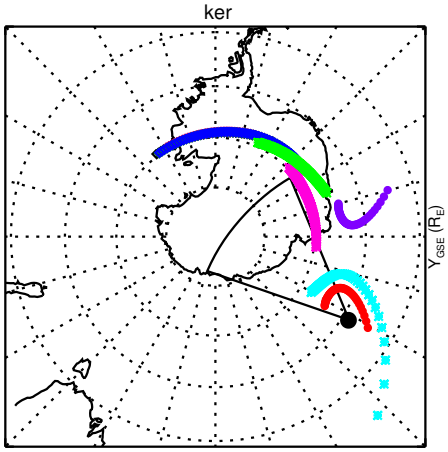


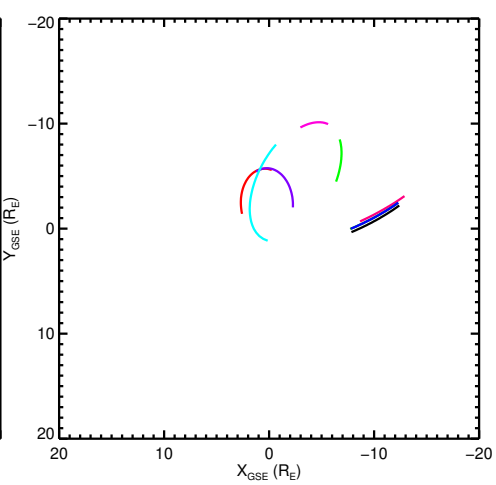


(b) 0220UT to 0640UT
inv pyk

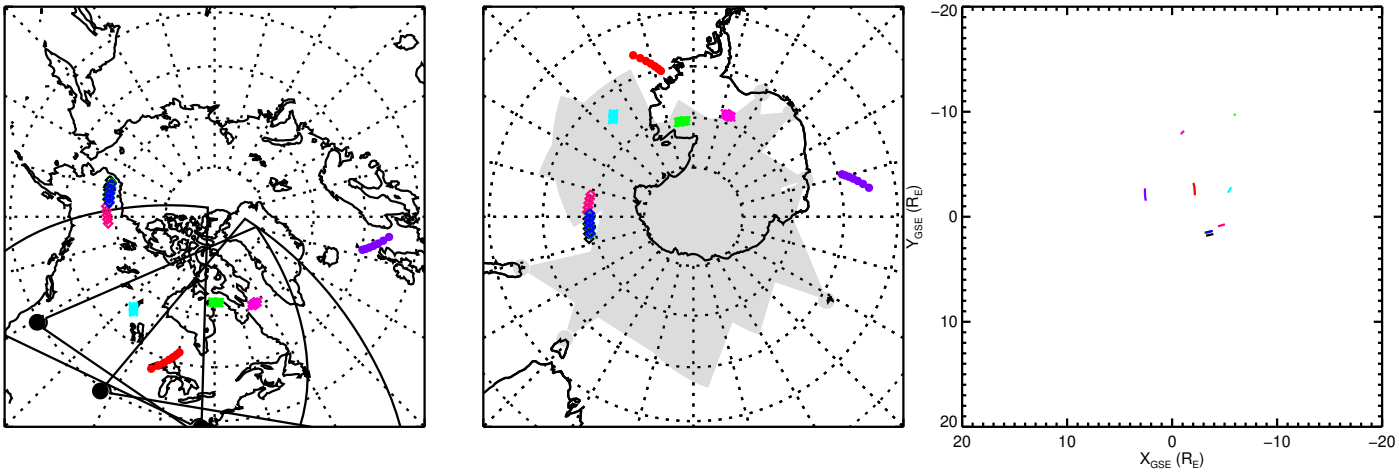


ker



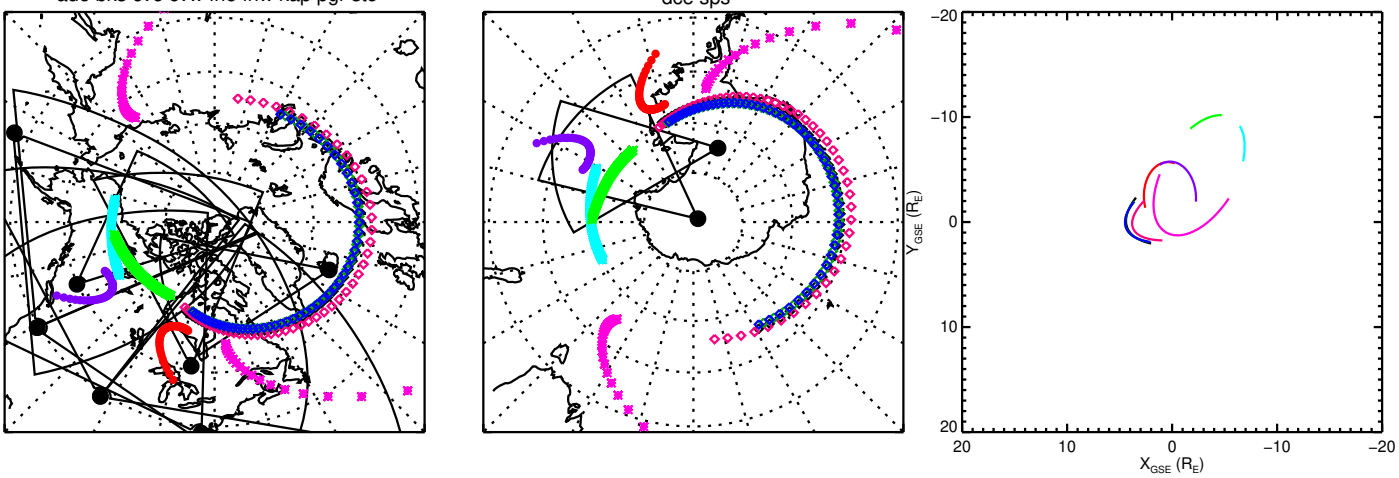


(c) 0845UT to 0915UT
bks cve fhe



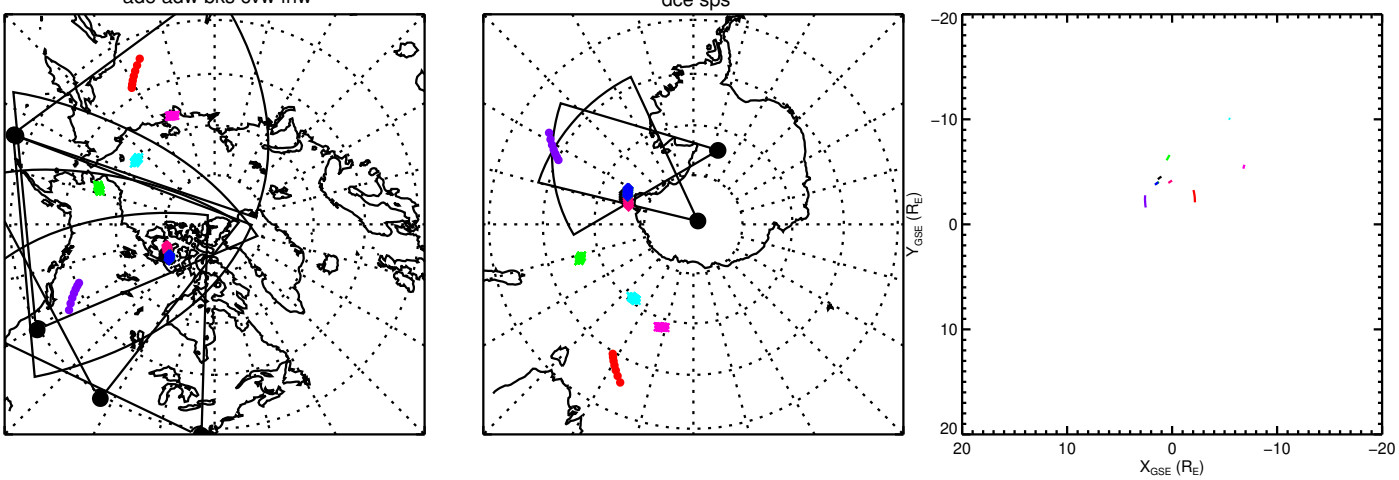
(d) 1120UT to 1540UT
ade bks cve cvw fhe fhw kap pgr sto

dce sps



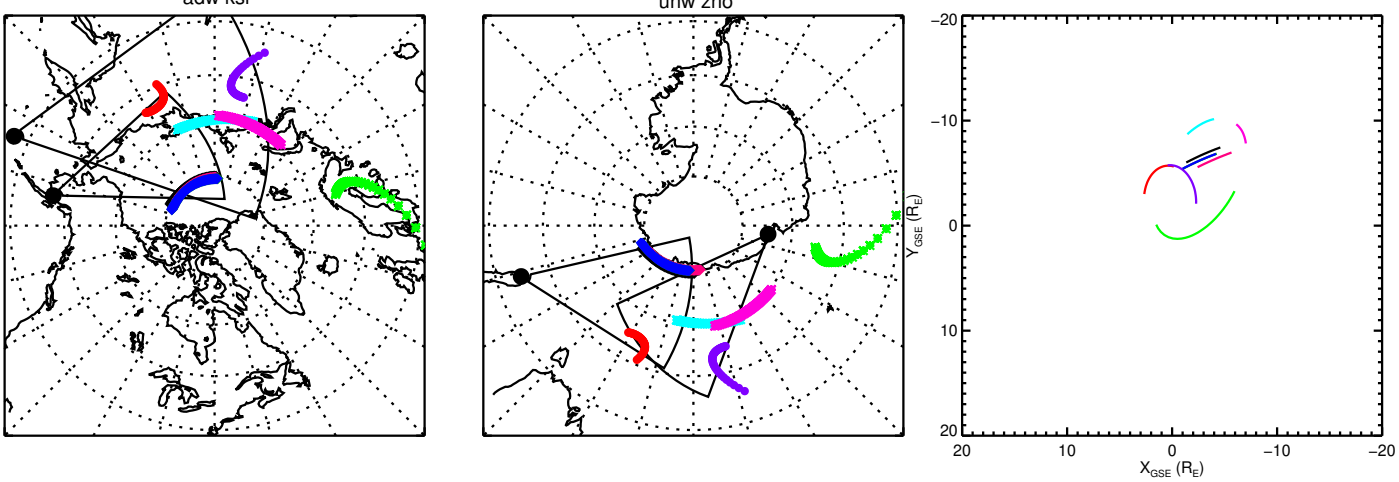
(e) 1745UT to 1815UT
ade adw bks cvw fhw

dce sps



(f) 2025UT to 2355UT
adw ksr

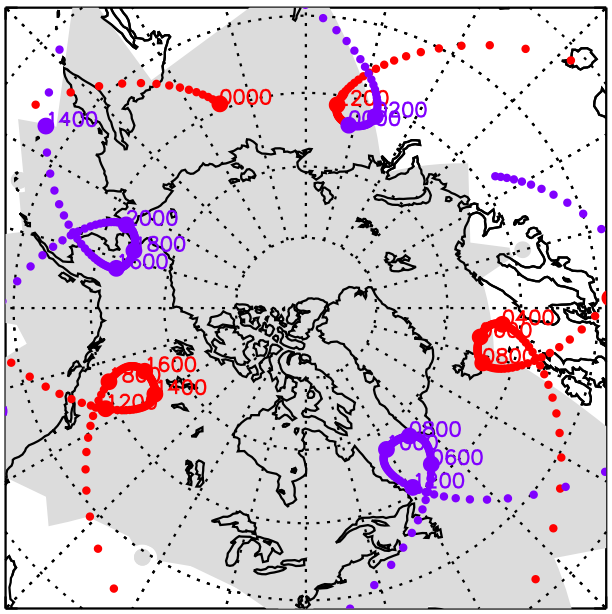
unw zho

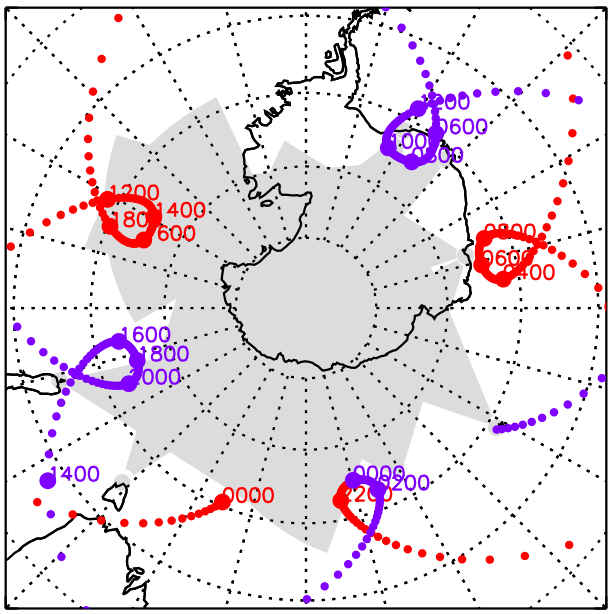


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

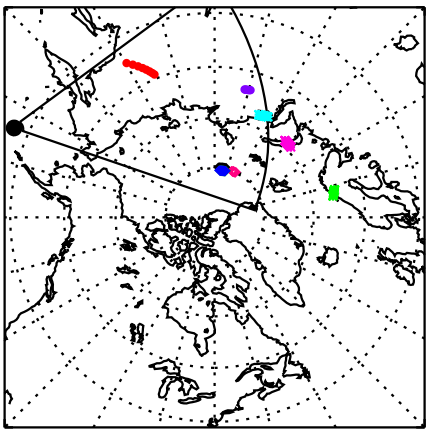
07–Aug–2014

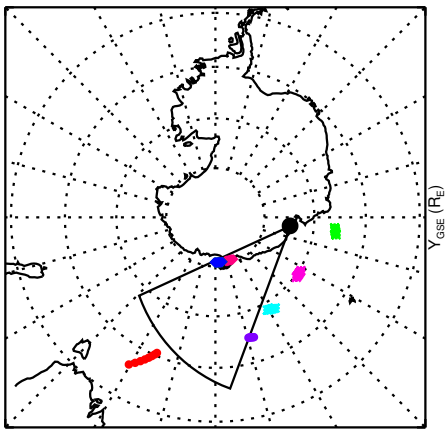
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

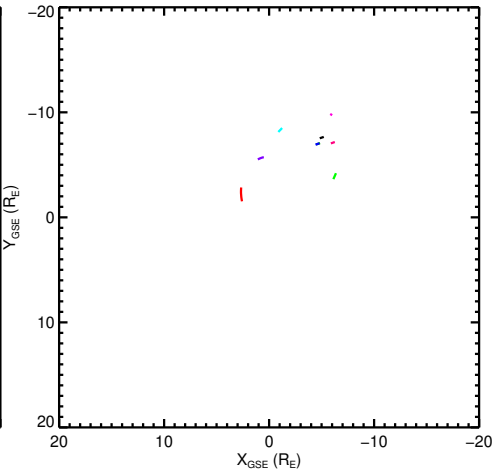




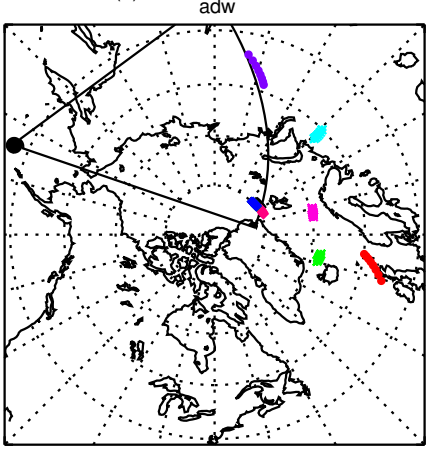
(a) 0000UT to 0035UT

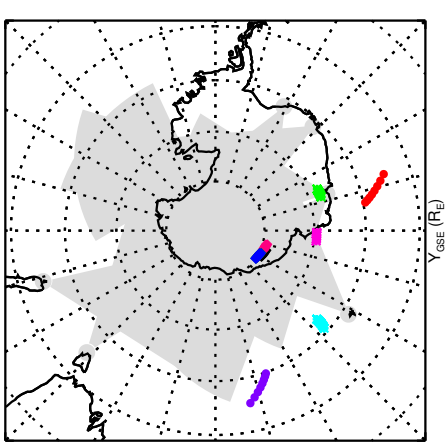


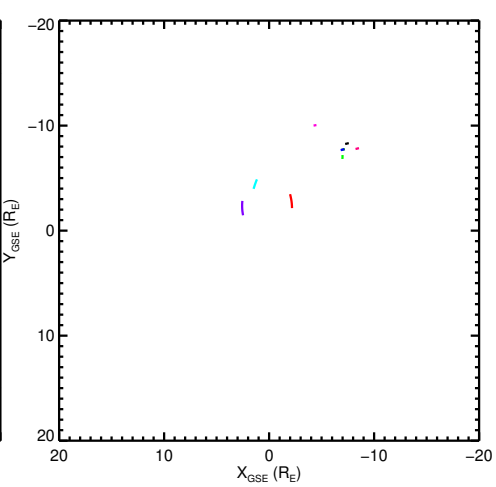




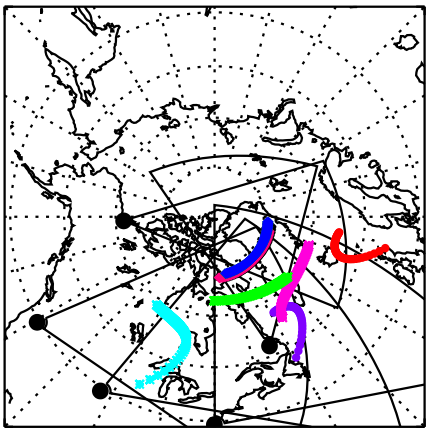
(b) 0245UT to 0320UT



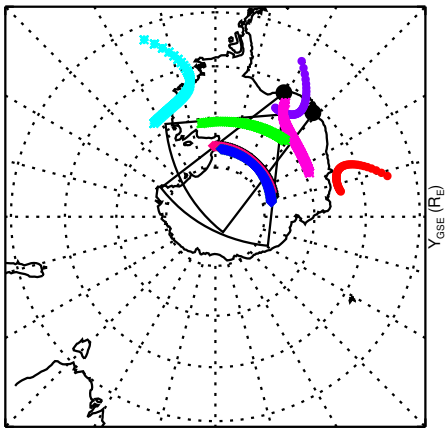


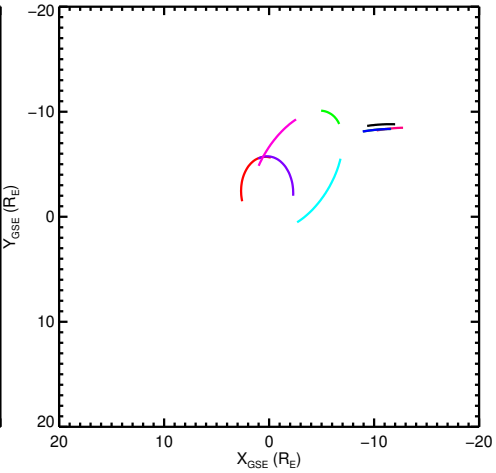


(c) 0525UT to 0935UT
cve fhe gbr inv wal

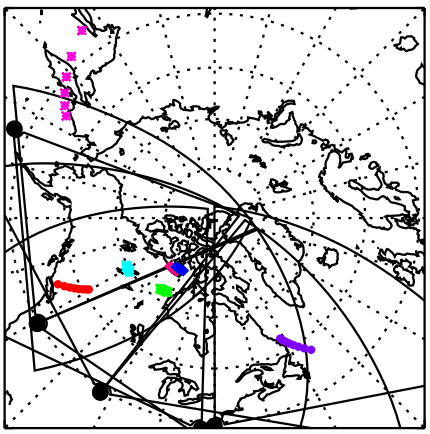


hal san

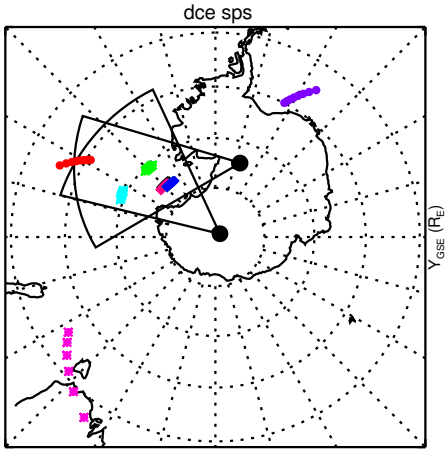


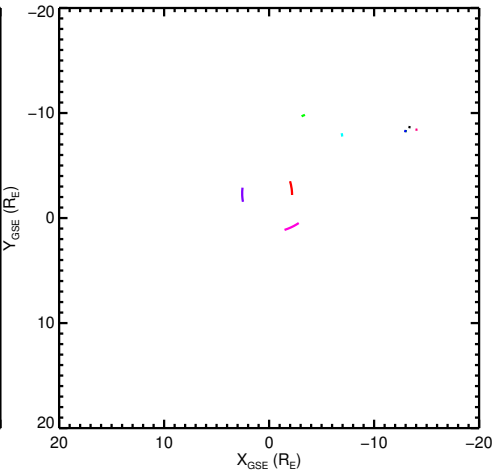


(d) 1145UT to 1220UT
ade bks cve cvw fhe fhw wal

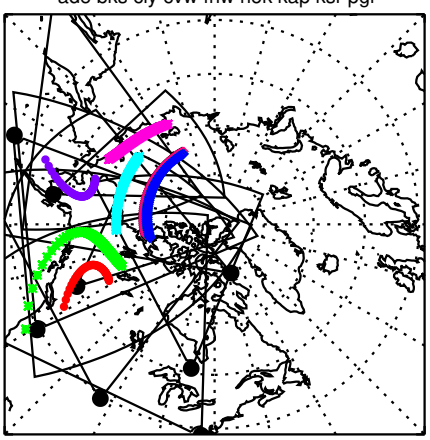


dce sps

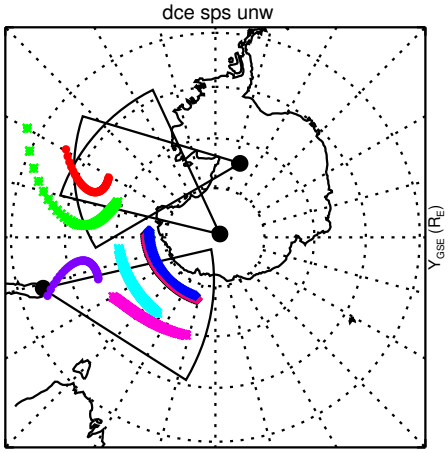


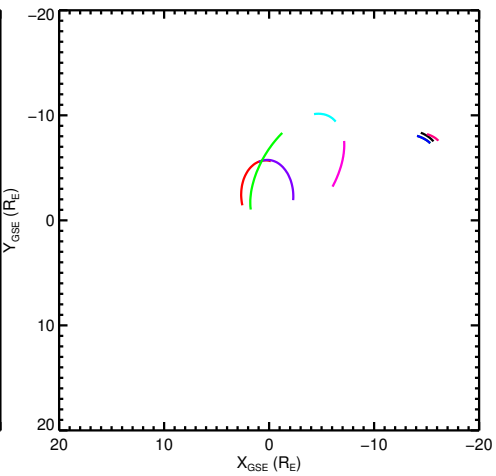


(e) 1425UT to 1835UT
ade bks cly cvw fhw hok kap ksr pgr

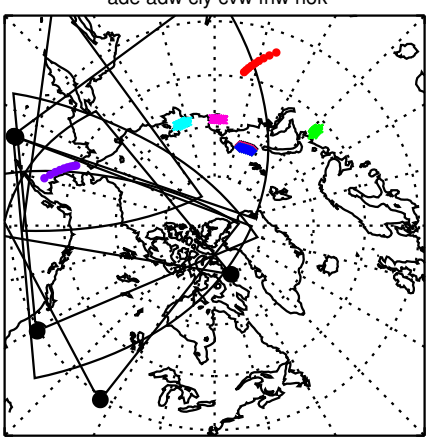


dce sps unw

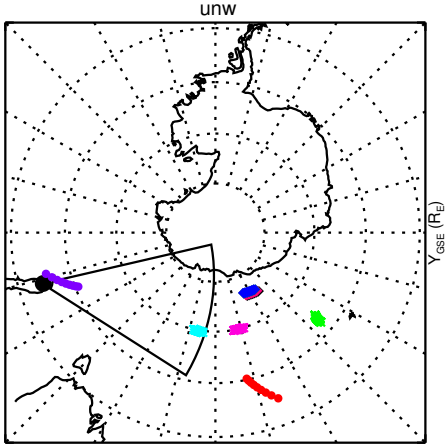


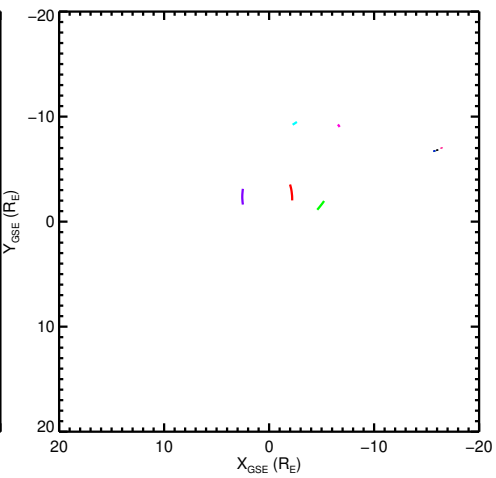


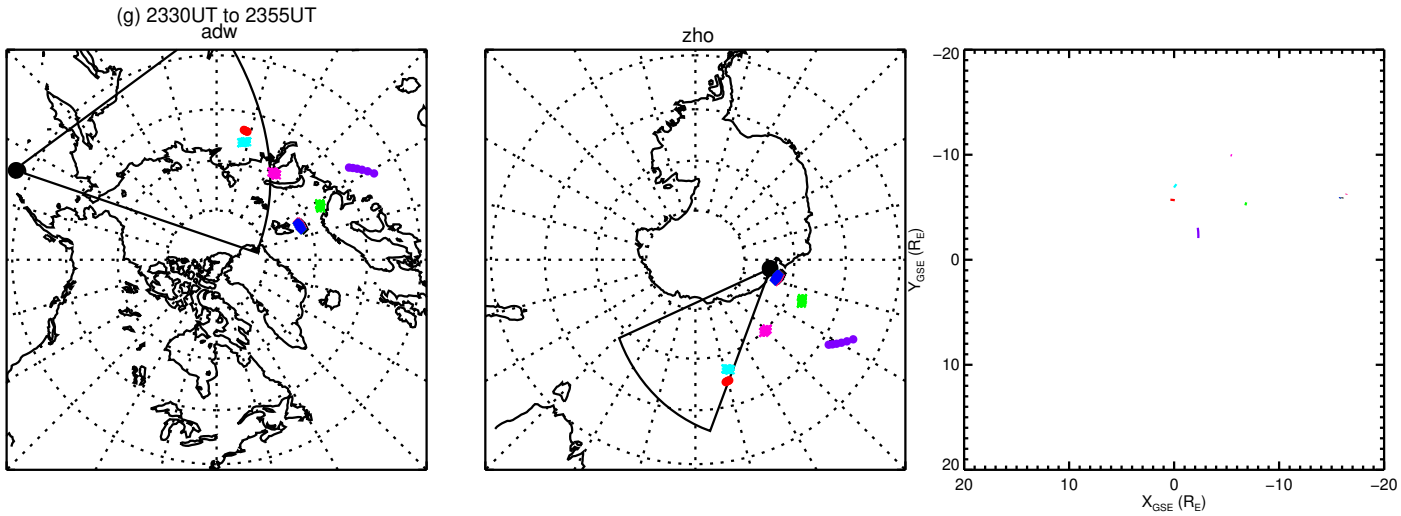
(f) 2040UT to 2120UT
ade adw cly cvw fhw hok



unw



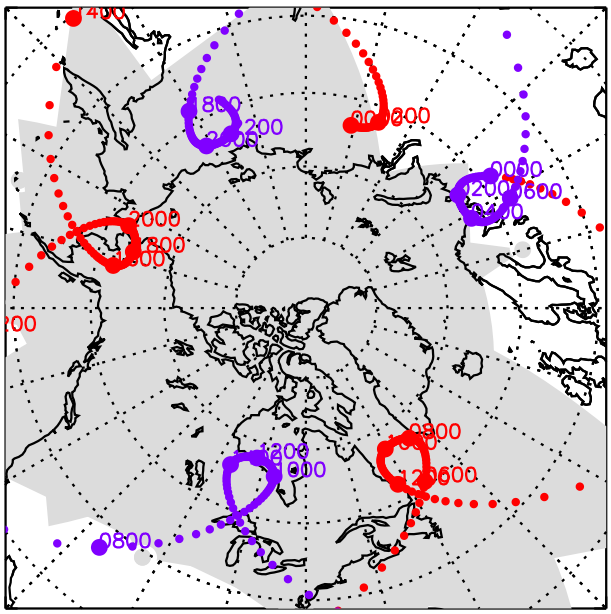


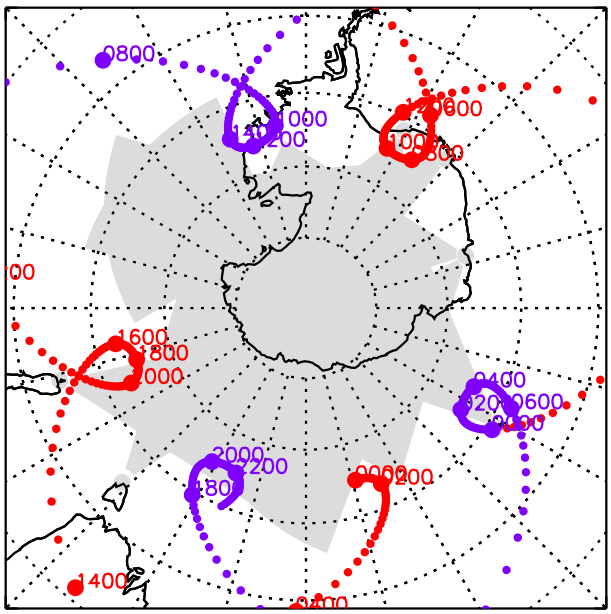

(g) 2330UT to 2355UT
adw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

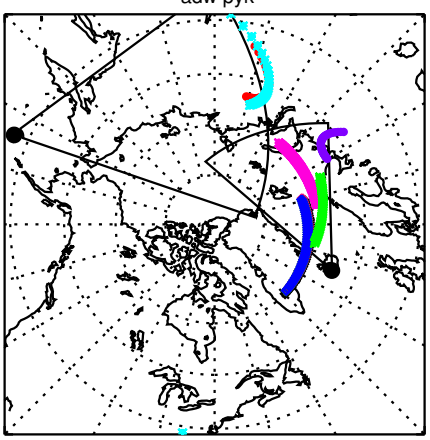
08–Aug–2014

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

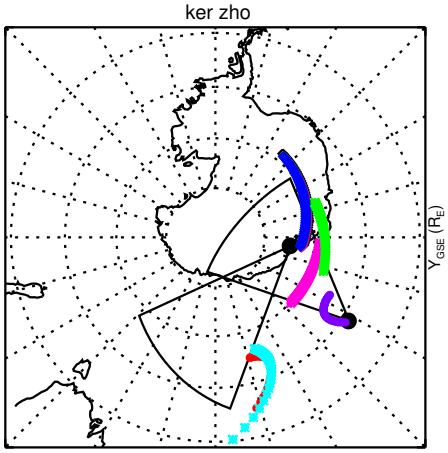


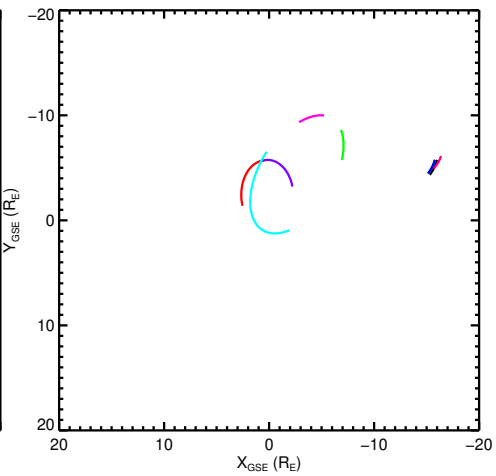


(a) 0000UT to 0335UT
adw pyk

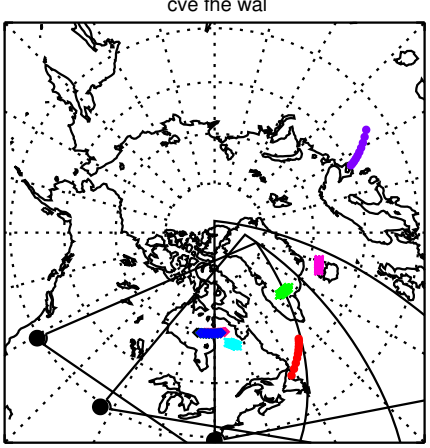


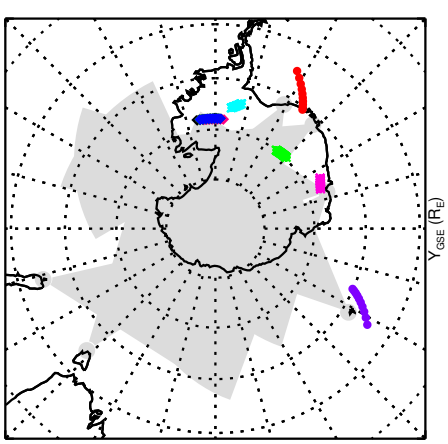
ker zho

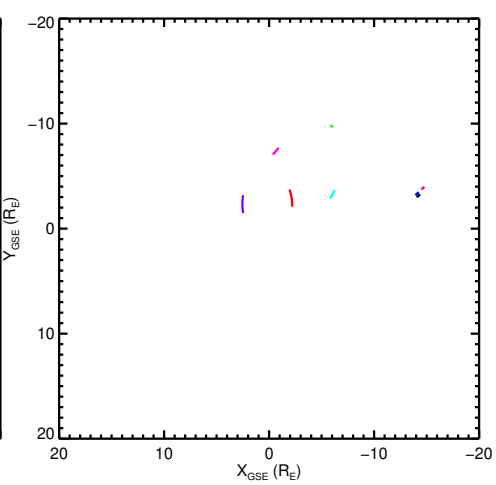




(b) 0540UT to 0625UT
cve fhe wal

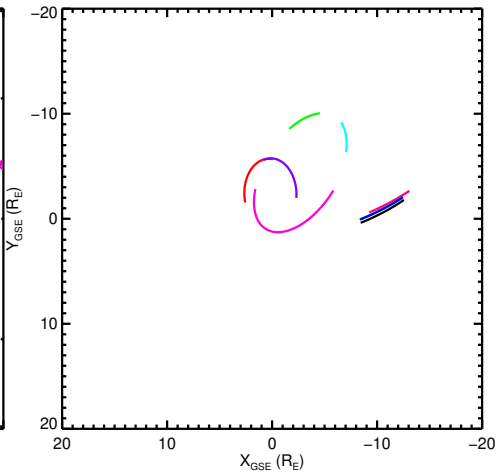






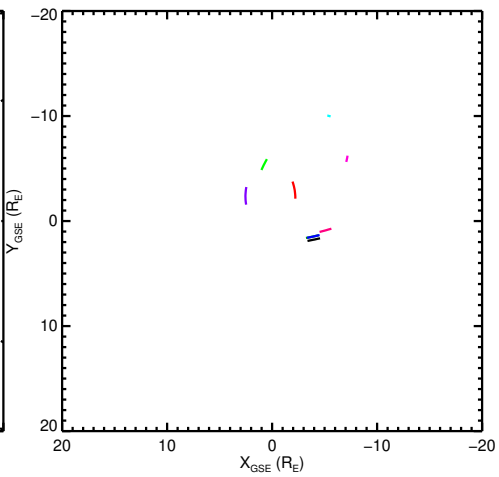
(c) 0830UT to 1230UT
bks cve fhe gbr kap sto wal

hal san



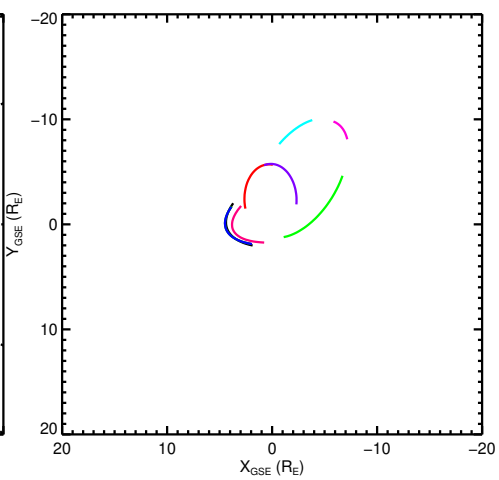
(d) 1440UT to 1525UT
ade bks cly cve cvw fhe fhw hok ksr

dce unw



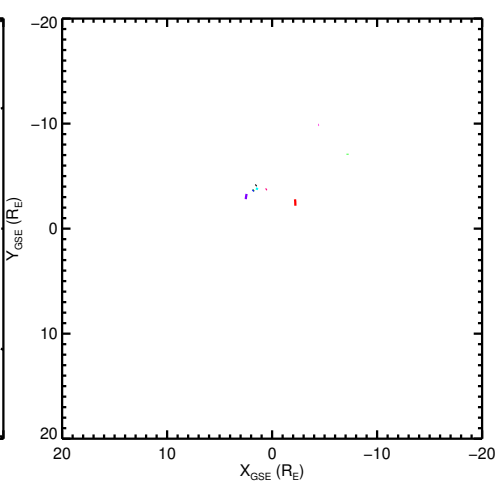
(e) 1730UT to 2130UT
ade adw cly cvw fhw hok kap ksr

unw zho



(f) 2340UT to 2355UT
adw

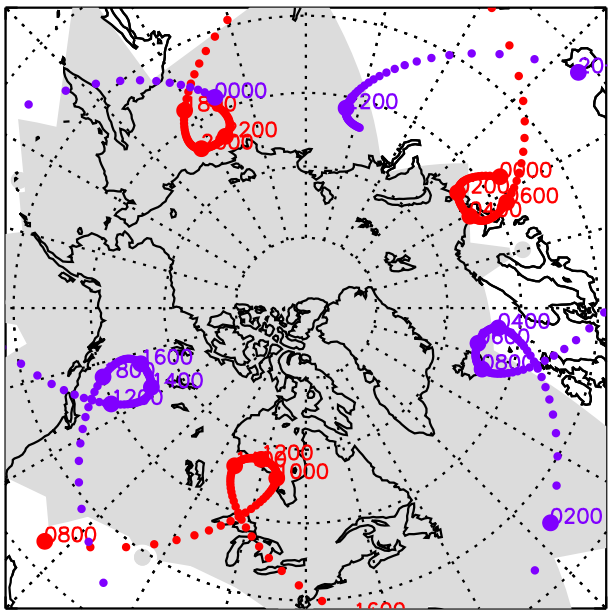
unw

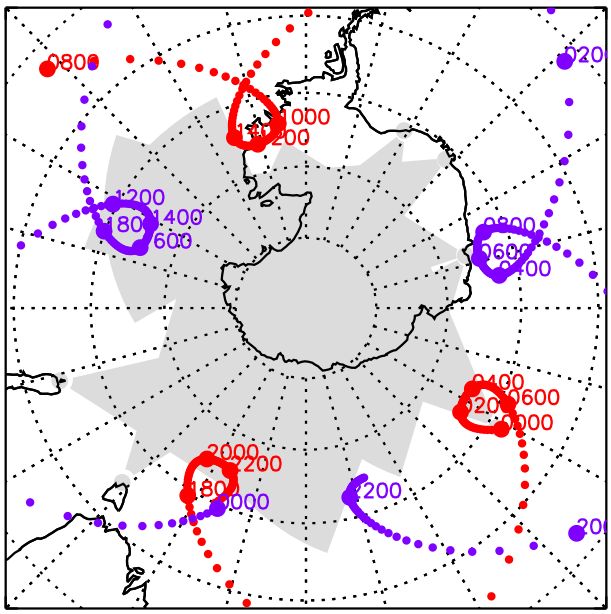


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

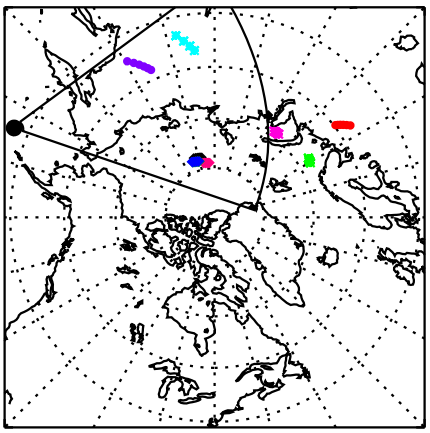
09–Aug–2014

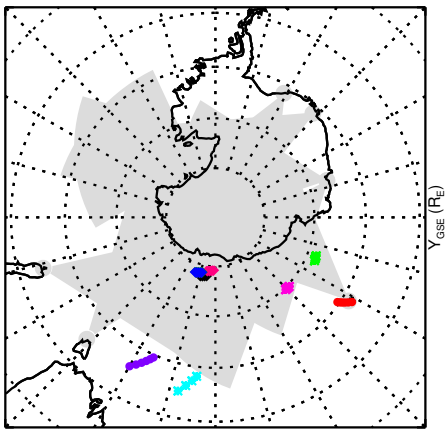
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

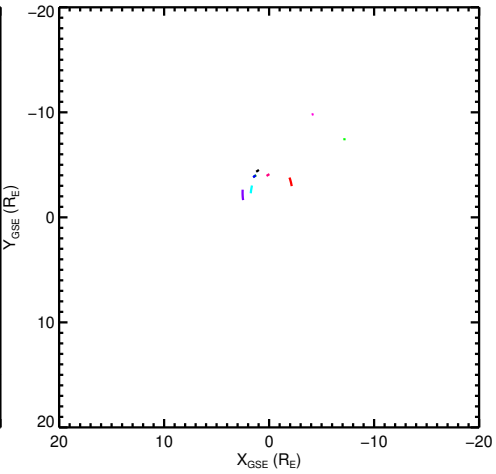




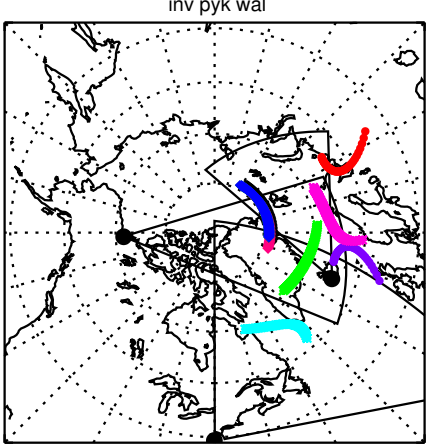
(a) 0000UT to 0025UT
adw



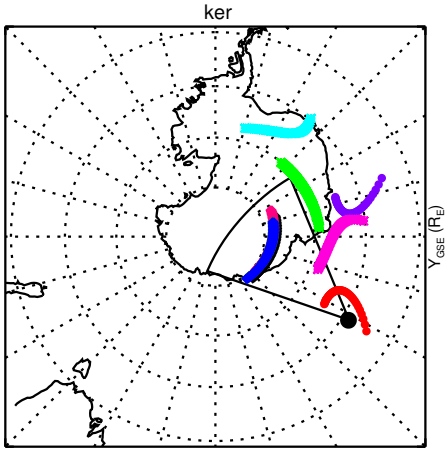


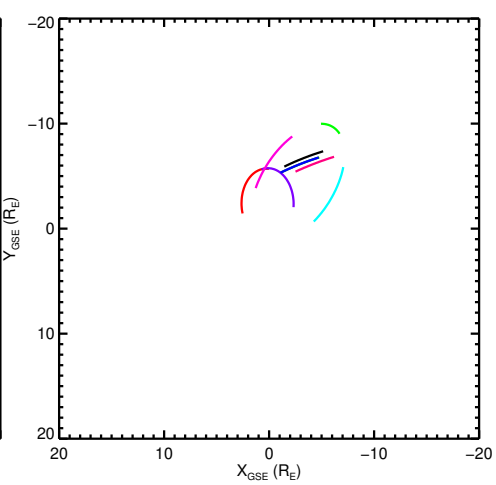


(b) 0235UT to 0630UT
inv pyk wal

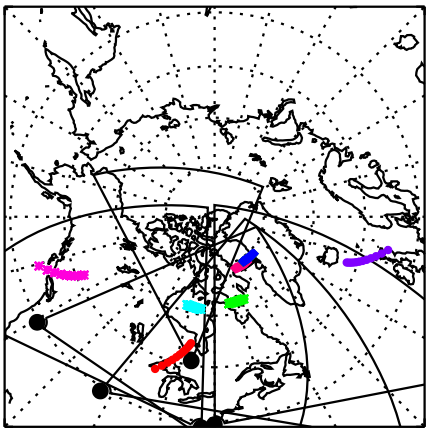


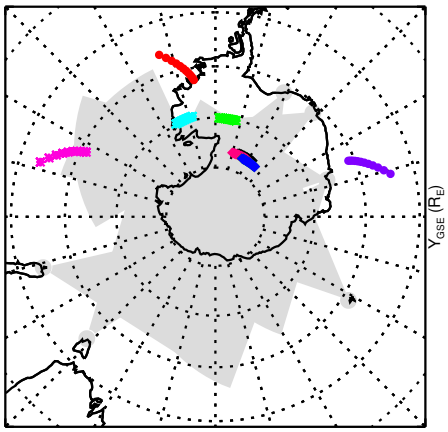
ker

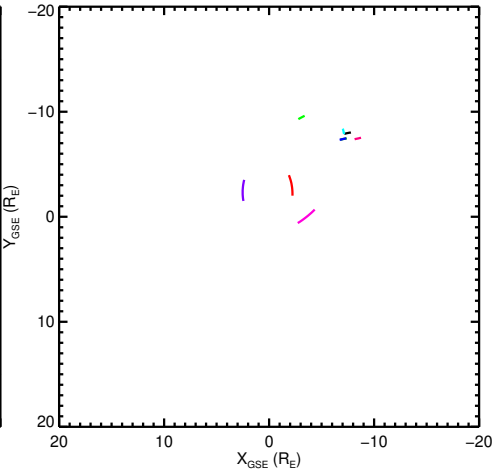




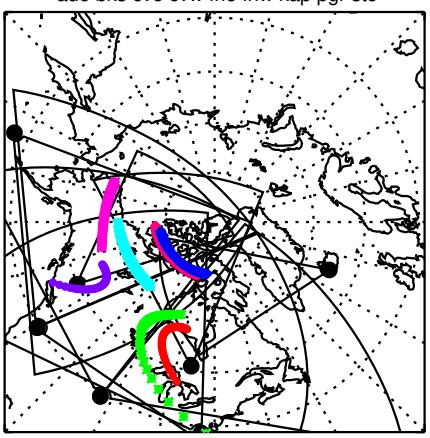
(c) 0835UT to 0930UT
bks cve fhe kap wal



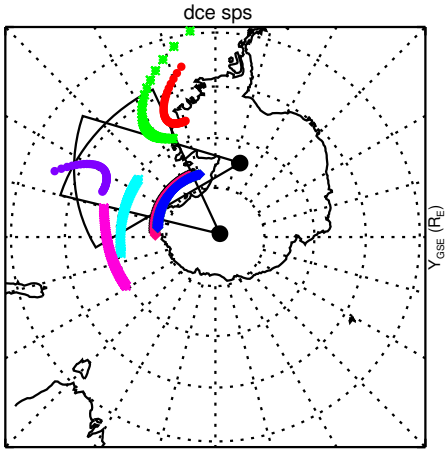


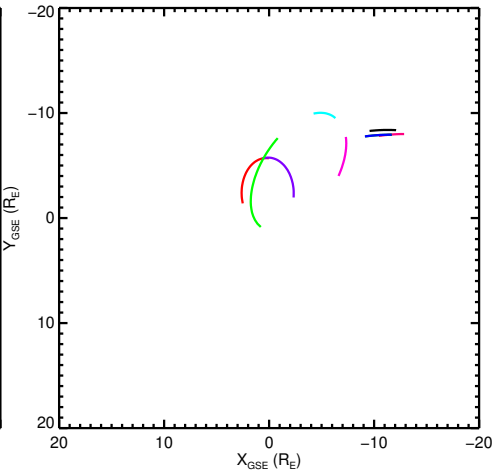


(d) 1135UT to 1530UT
ade bks cve cvw fhe fhw kap pgr sto

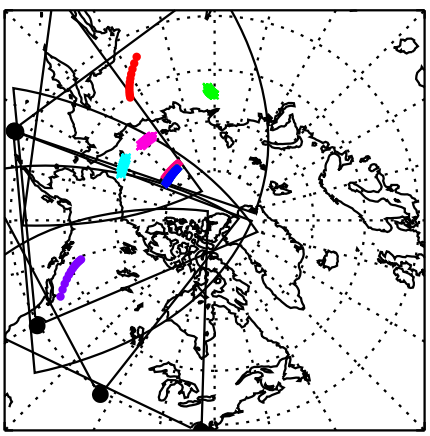


dce sps

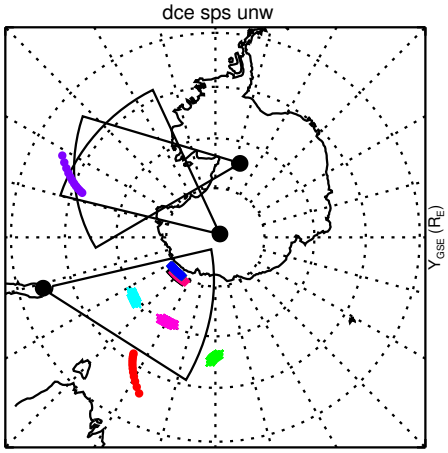


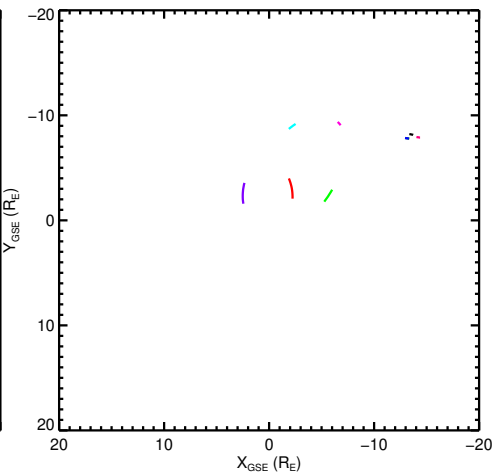


(e) 1735UT to 1830UT
ade adw bks cvw fhw hok

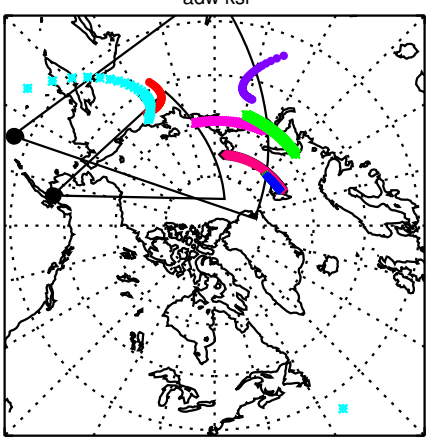


dce sps unw

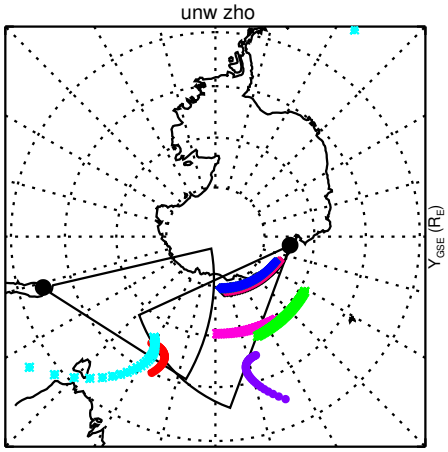


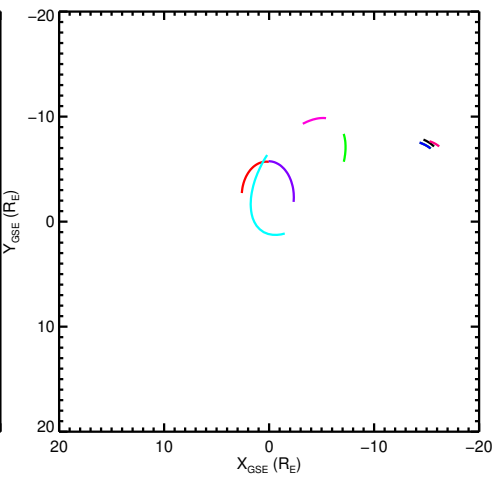


(f) 2035UT to 2355UT
adw ksr



unw zho

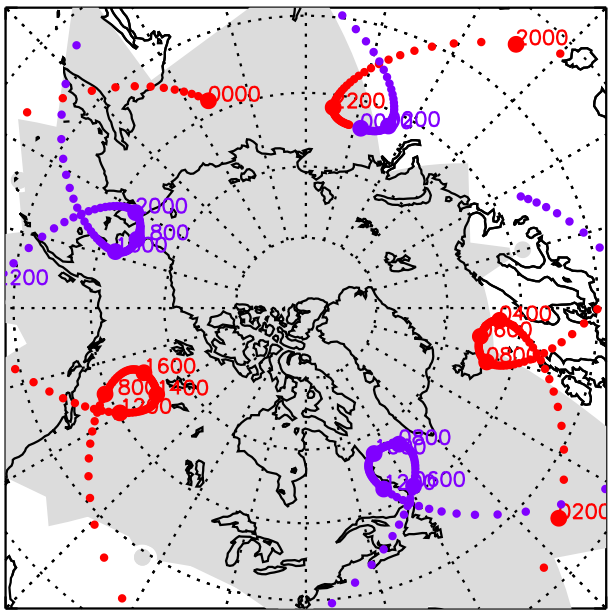


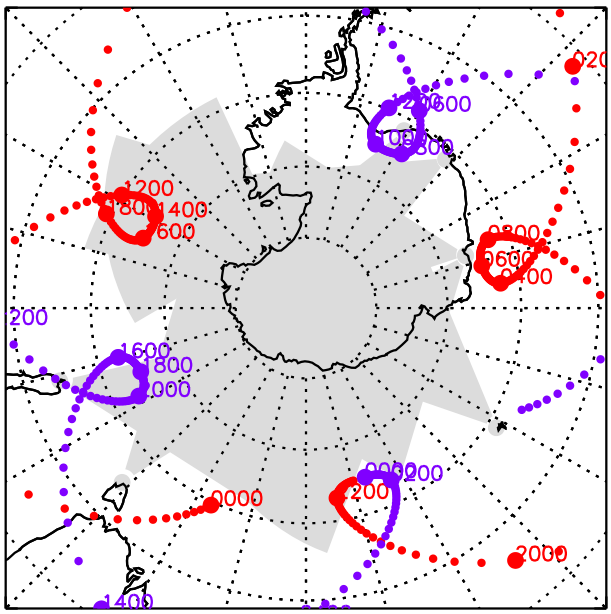


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

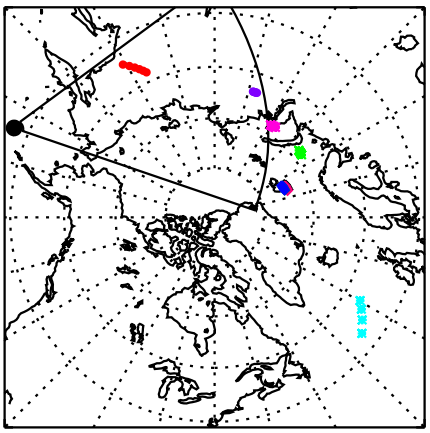
10–Aug–2014

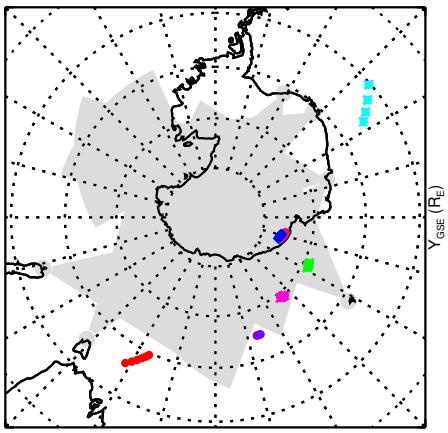
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

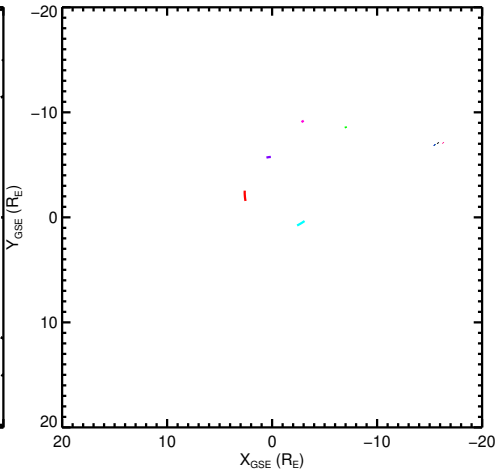




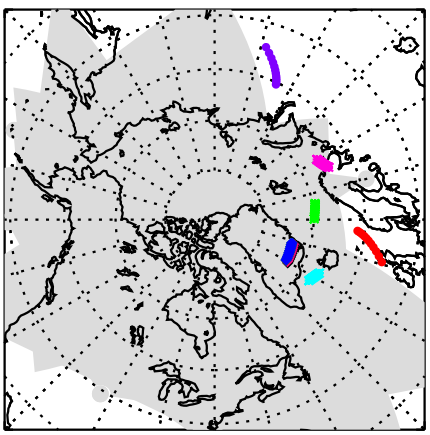
(a) 0000UT to 0025UT
adw

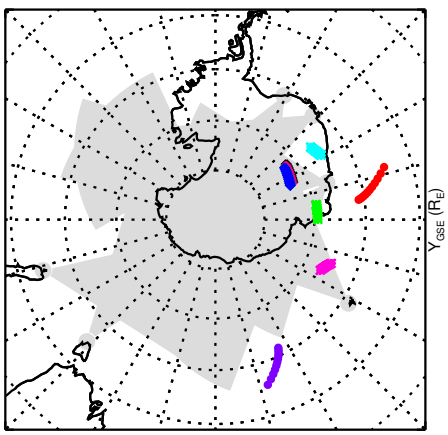


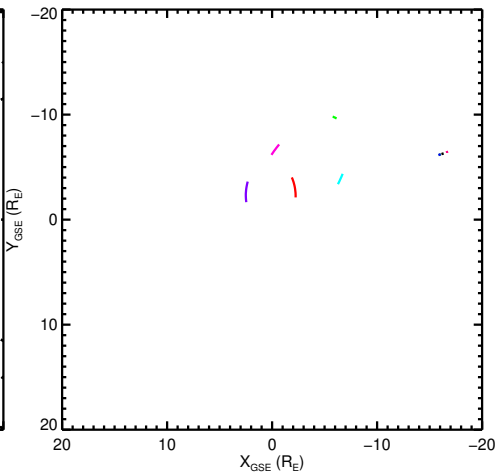




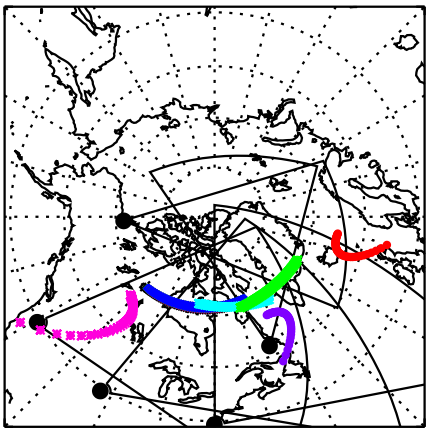
(b) 0235UT to 0330UT



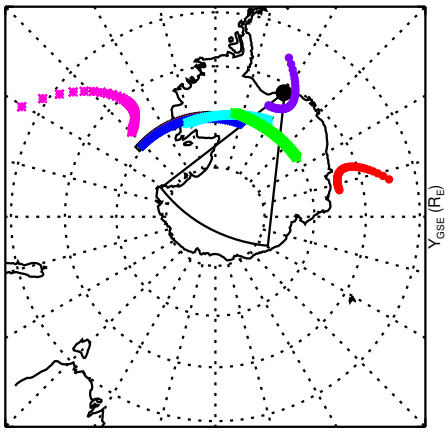


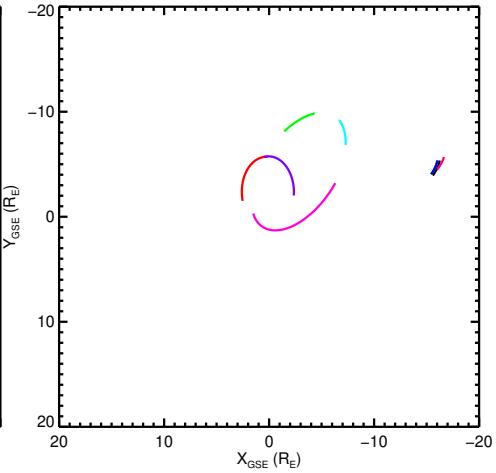


(c) 0540UT to 0925UT
cve fhe gbr inv wal

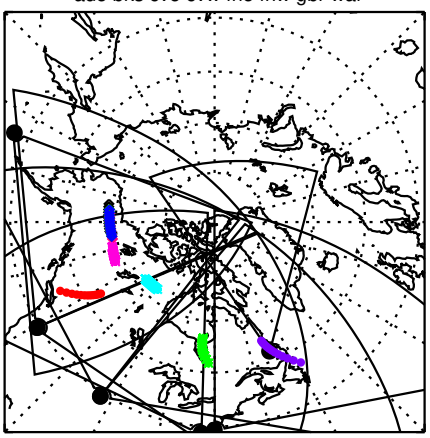


hal

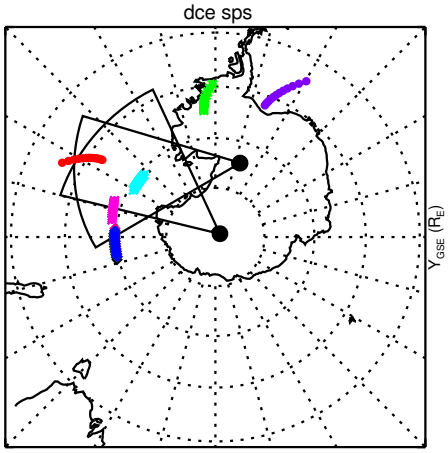


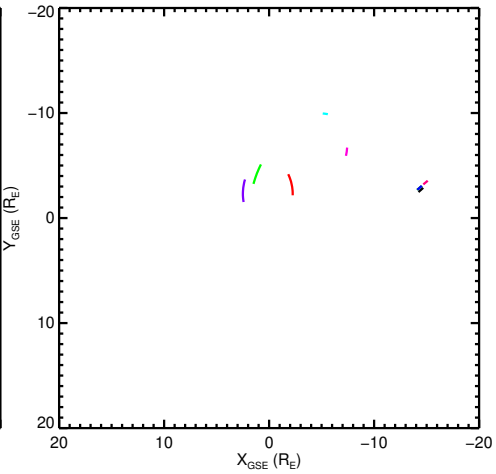


(d) 1135UT to 1235UT
ade bks cve cvw fhe fhw gbr wal

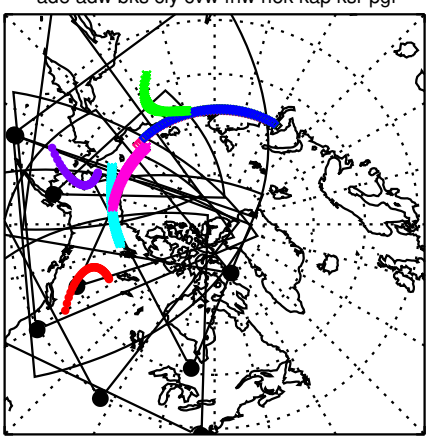


dce sps

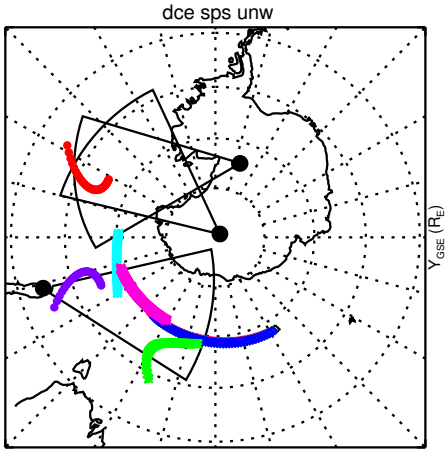


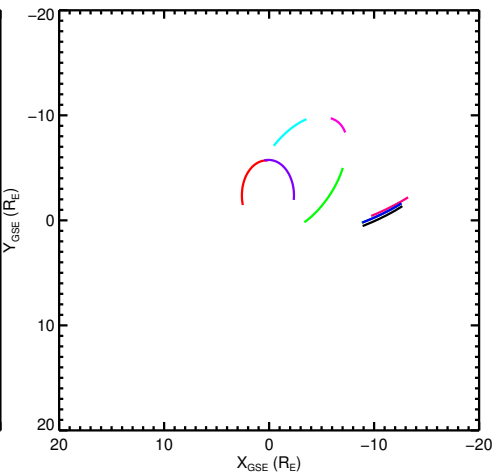


(e) 1440UT to 1825UT
ade adw bks cly cvw fhw hok kap ksr pgr

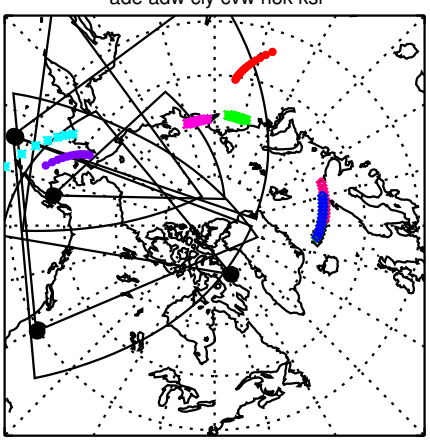


dce sps unw

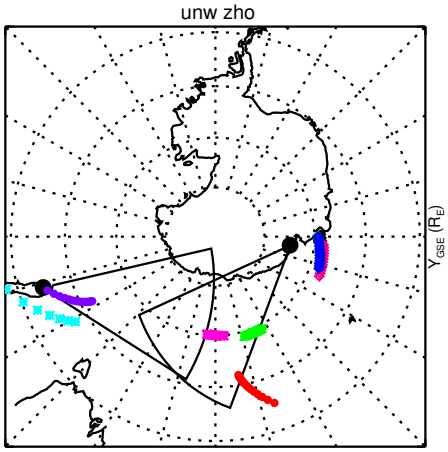


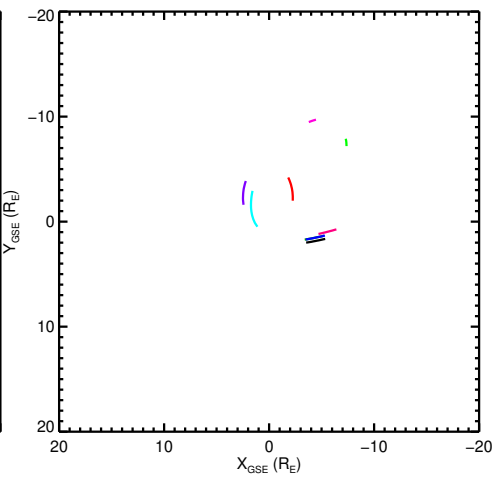


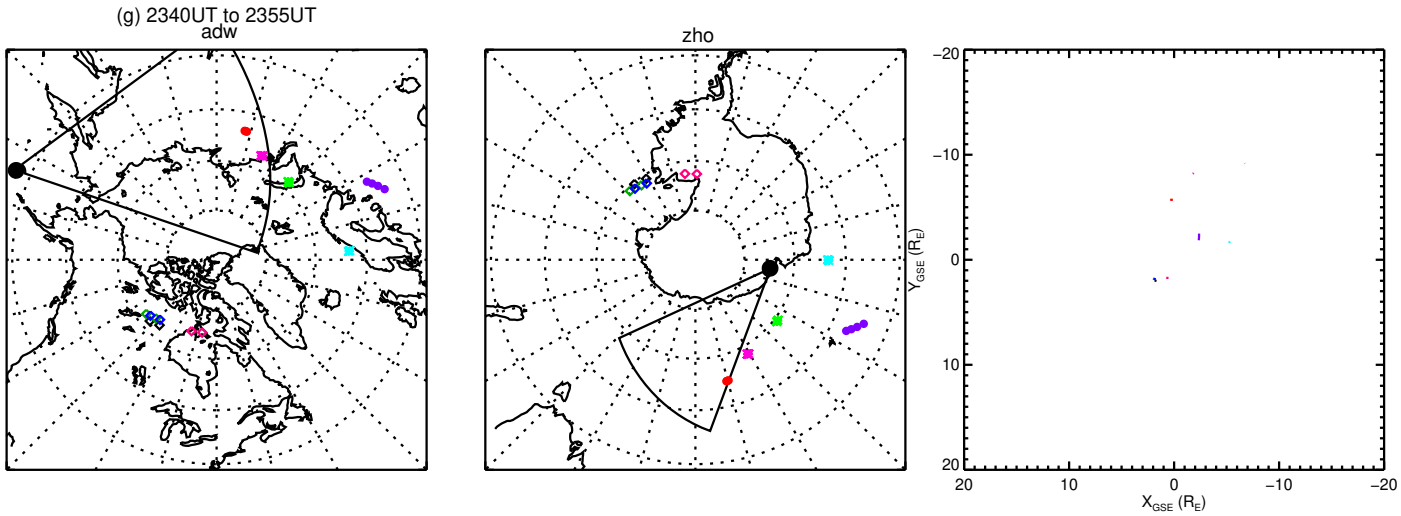
(f) 2030UT to 2135UT
ade adw cly cvw hok ksr



unw zho



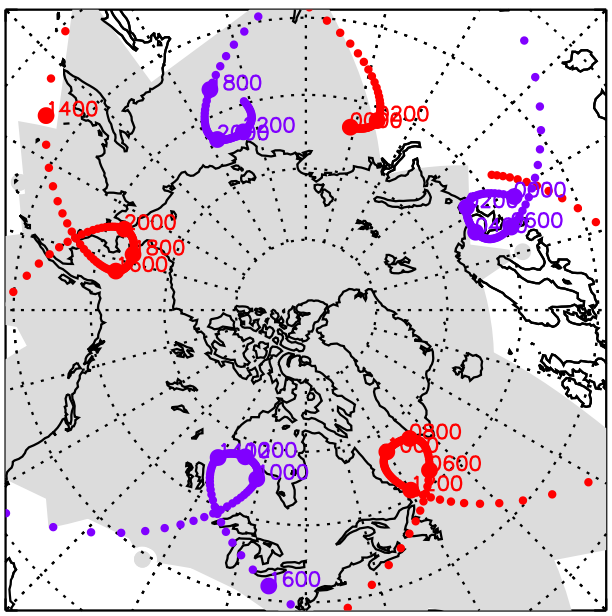


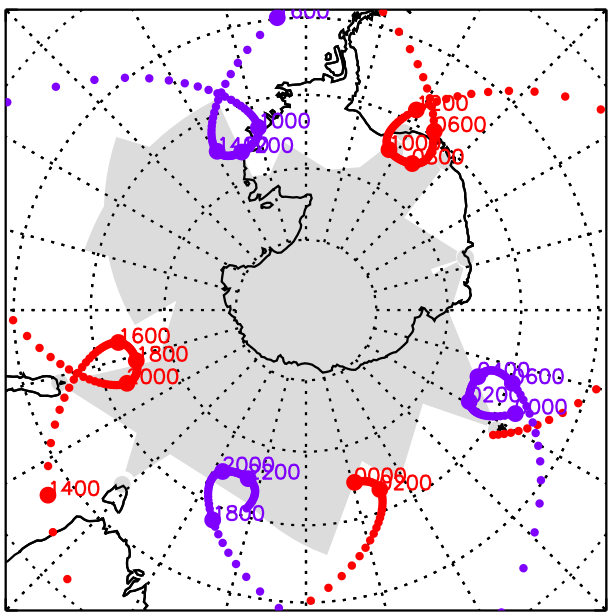

(g) 2340UT to 2355UT
adw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

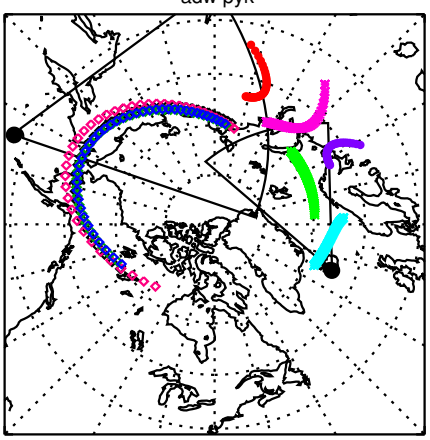
11–Aug–2014

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

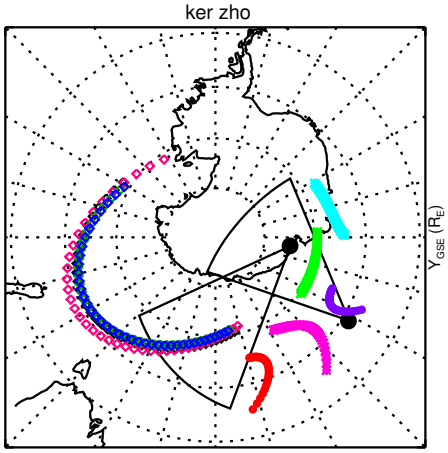


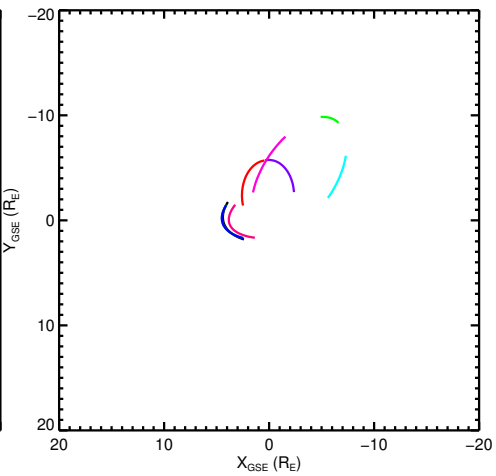


(a) 0000UT to 0325UT
adw pyk

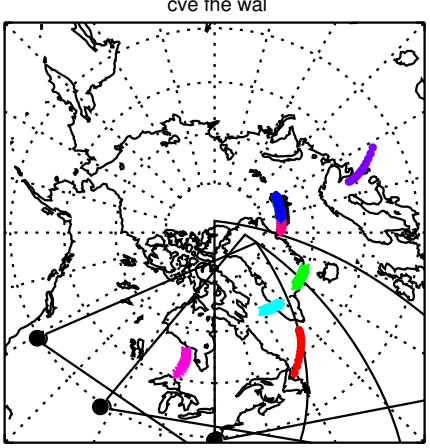


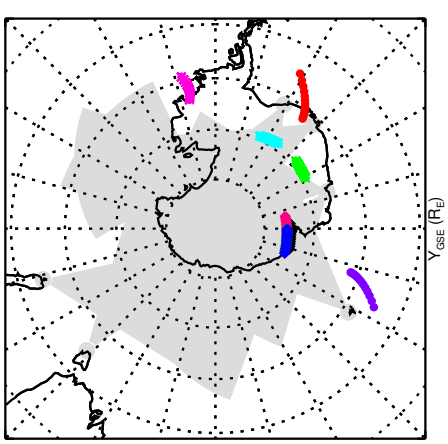
ker zho

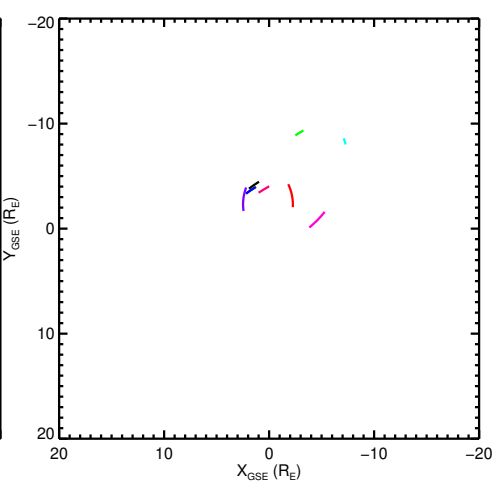




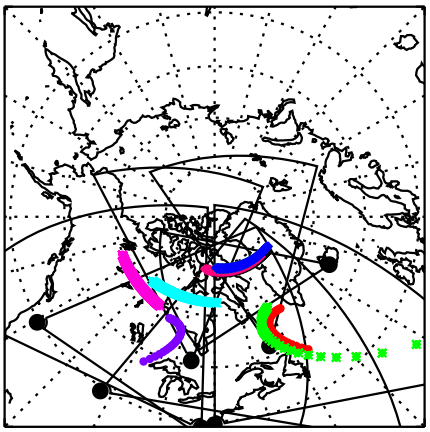
(b) 0530UT to 0635UT
cve fhe wal



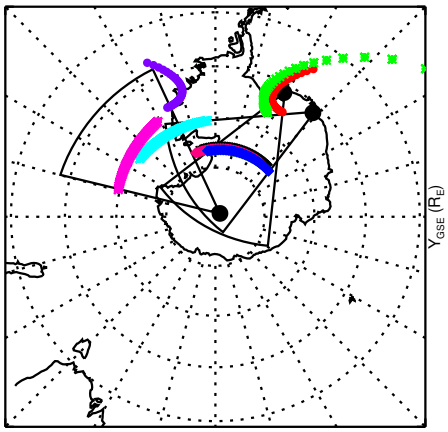


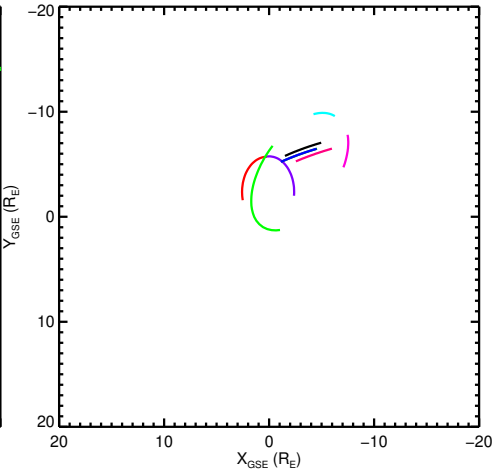


(c) 0845UT to 1220UT
bks cve fhe gbr kap sto wal

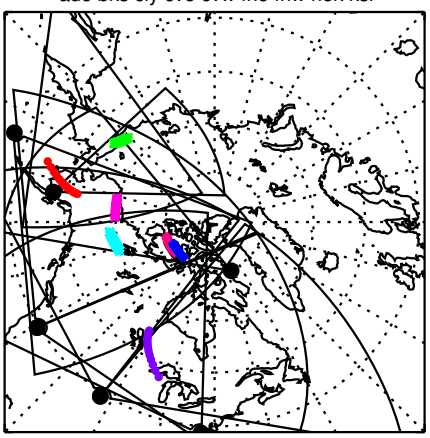


dce hal san

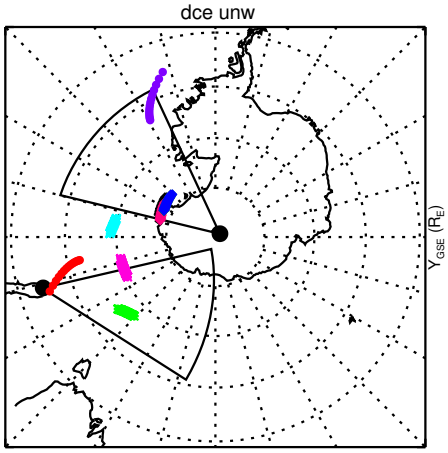


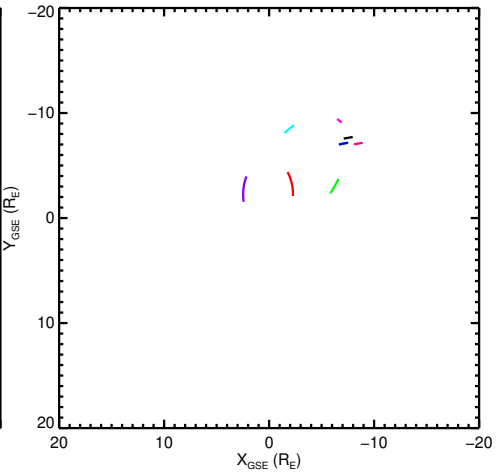


(d) 1430UT to 1540UT
ade bks cly cve cvw fhe fhw hok ksr

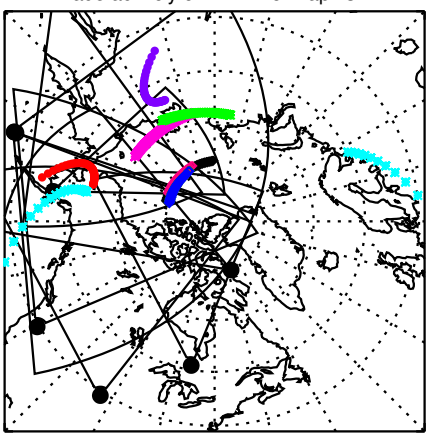


dce unw

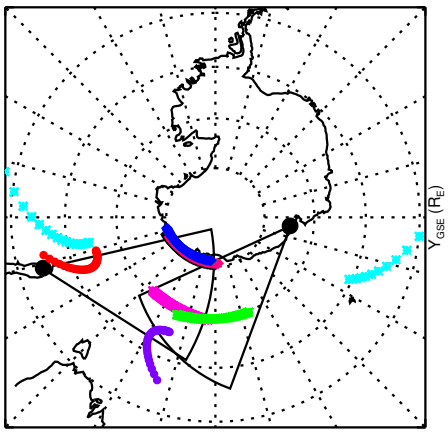


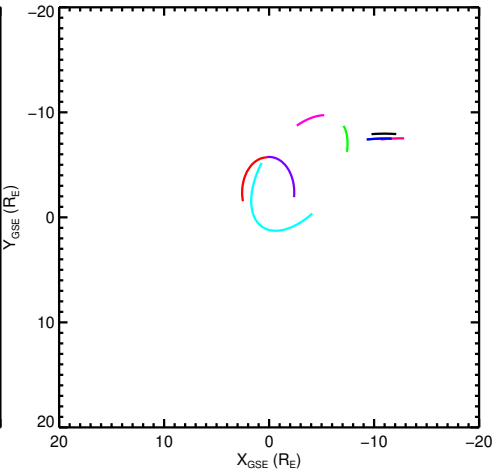


(e) 1745UT to 2120UT
ade adw cly cvw fhw hok kap ksr

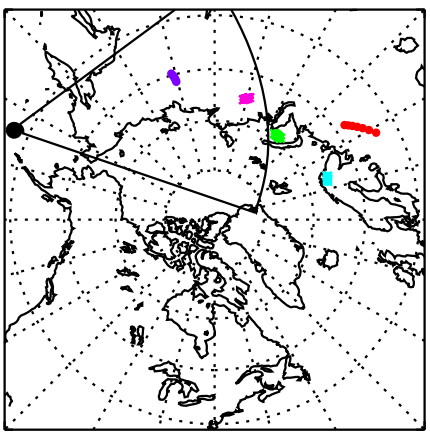


unw zho

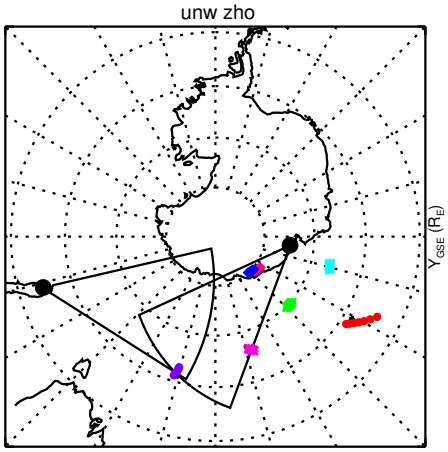


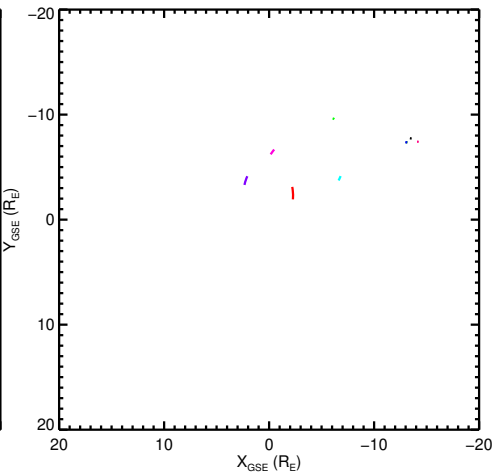


(f) 2325UT to 2355UT
adw



unw zho

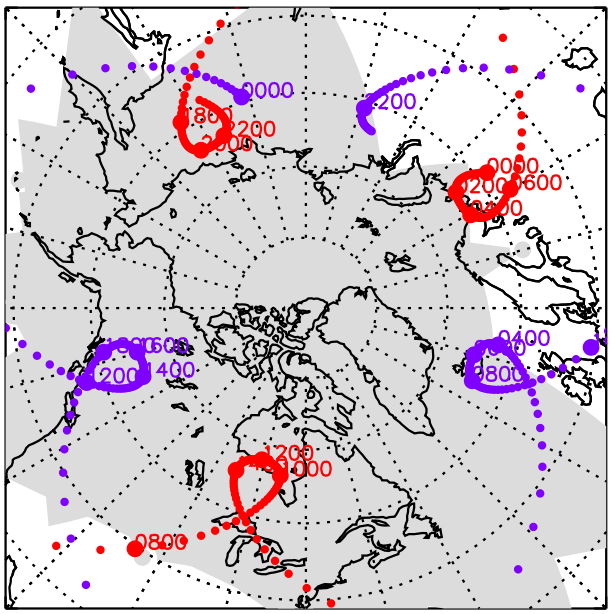


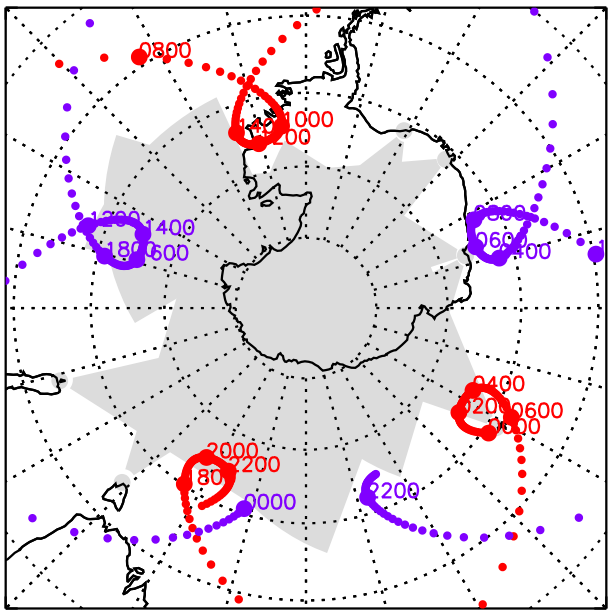


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

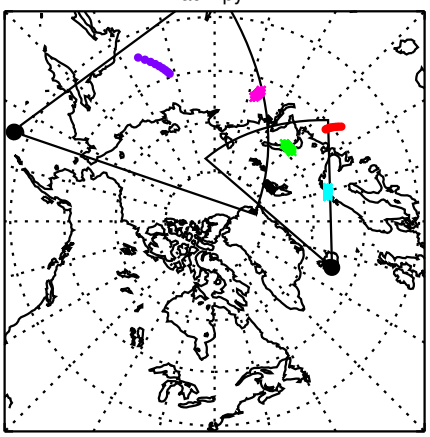
12–Aug–2014

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

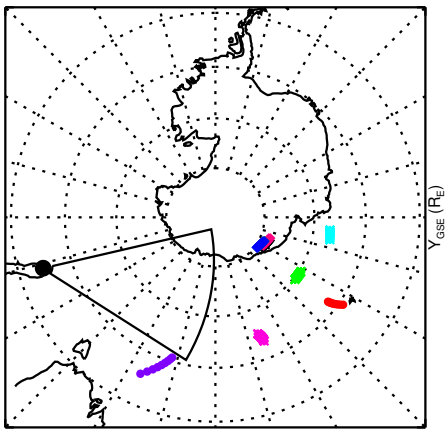


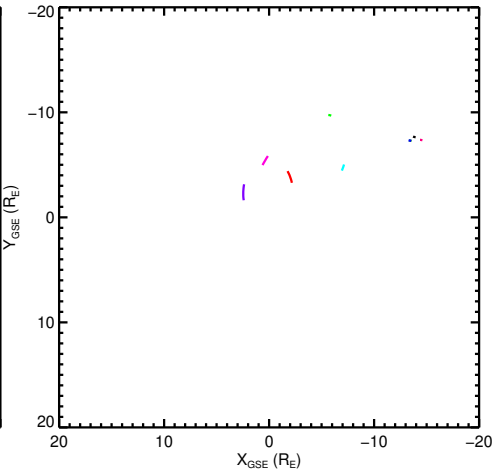


(a) 0000UT to 0040UT
adw pyk

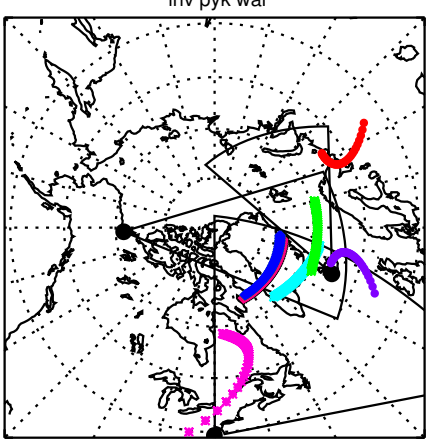


unw

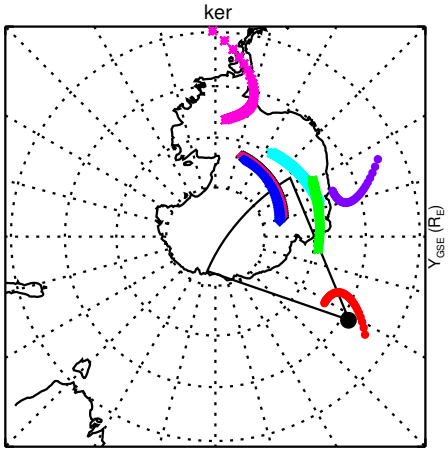


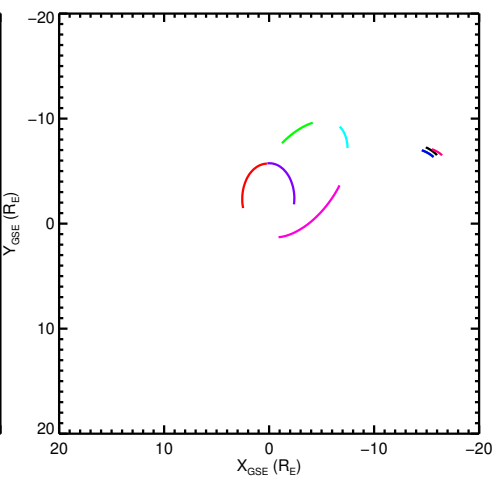


(b) 0245UT to 0620UT
inv pyk wal

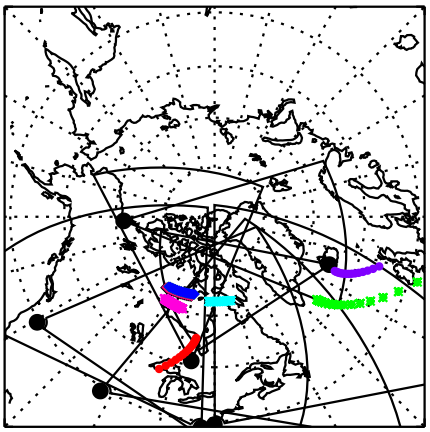


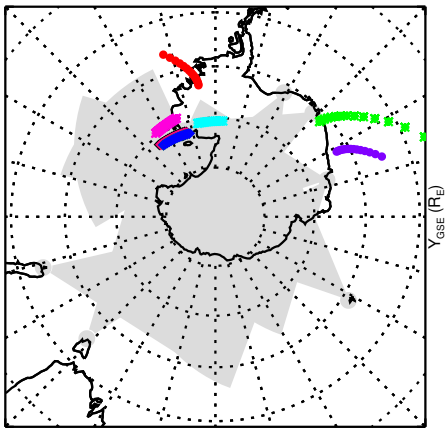
ker

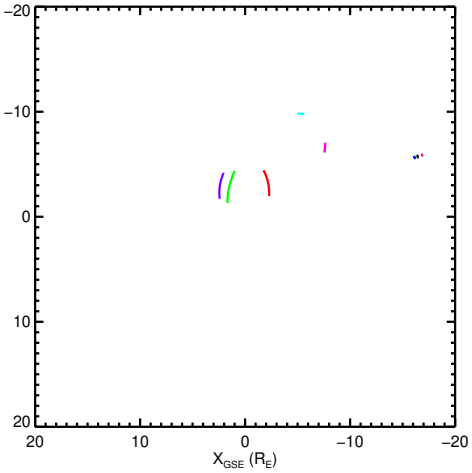




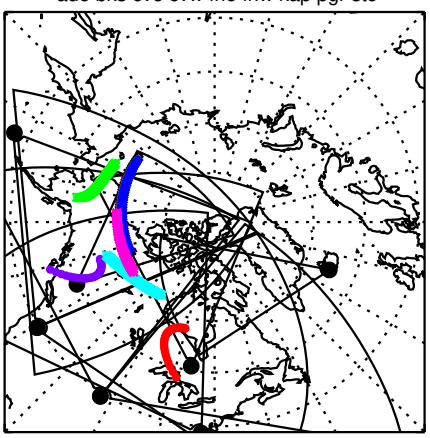
(c) 0825UT to 0940UT
bks cve fhe inv kap sto wal



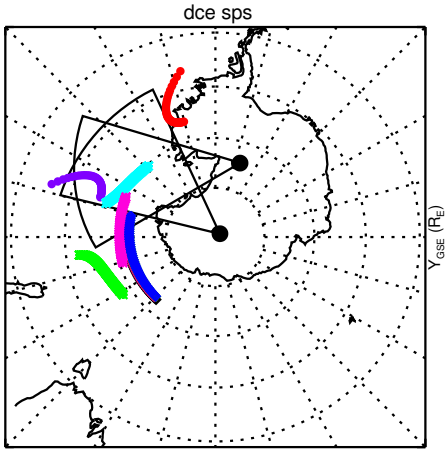


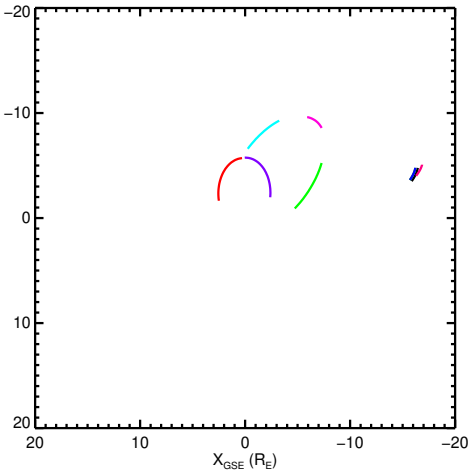


(d) 1150UT to 1515UT
ade bks cve cvw fhe fhw kap pgr sto

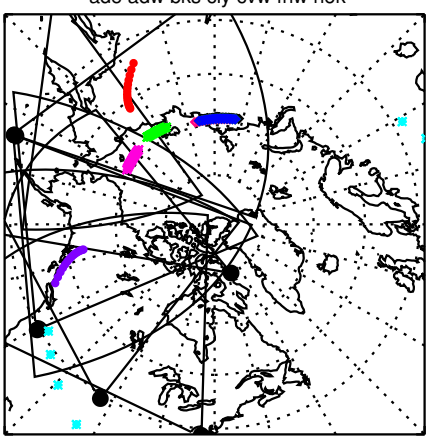


dce sps

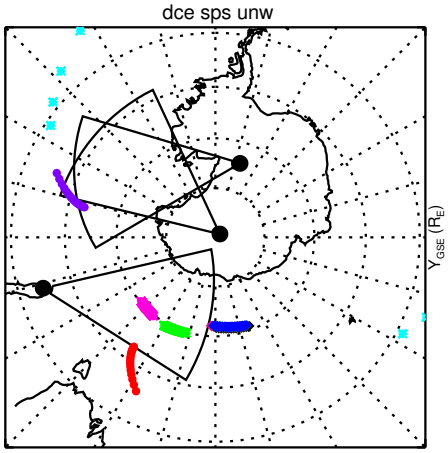


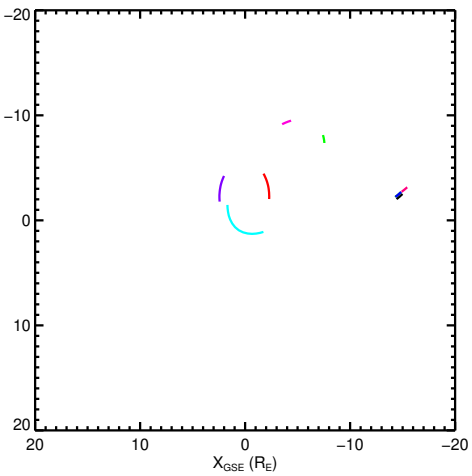


(e) 1725UT to 1840UT
ade adw bks cly cvw fhw hok

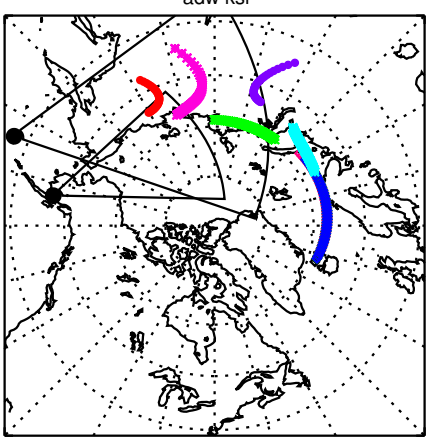


dce sps unw

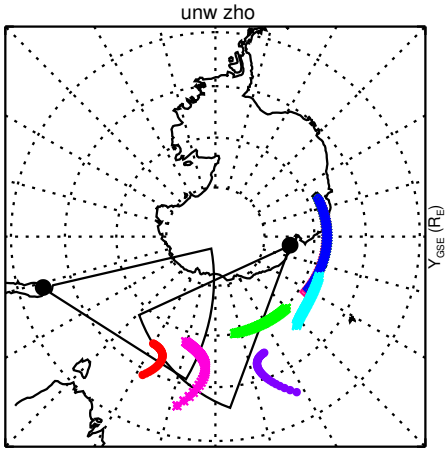


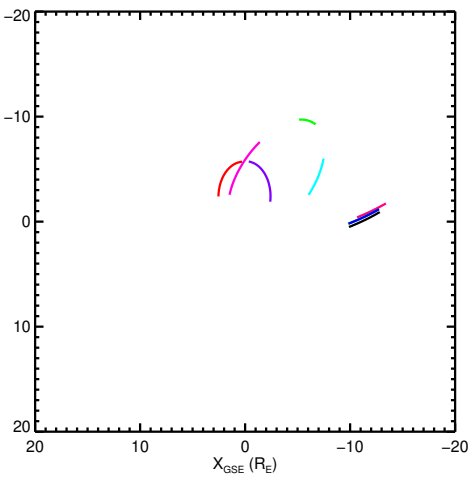


(f) 2050UT to 2355UT
adw ksr



unw zho

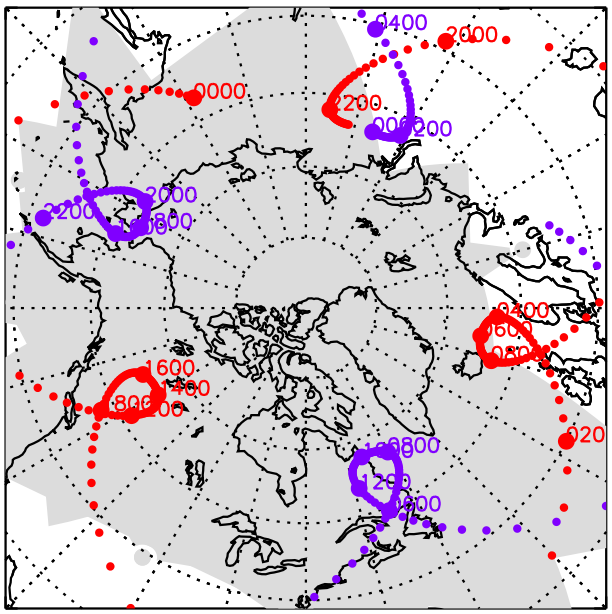


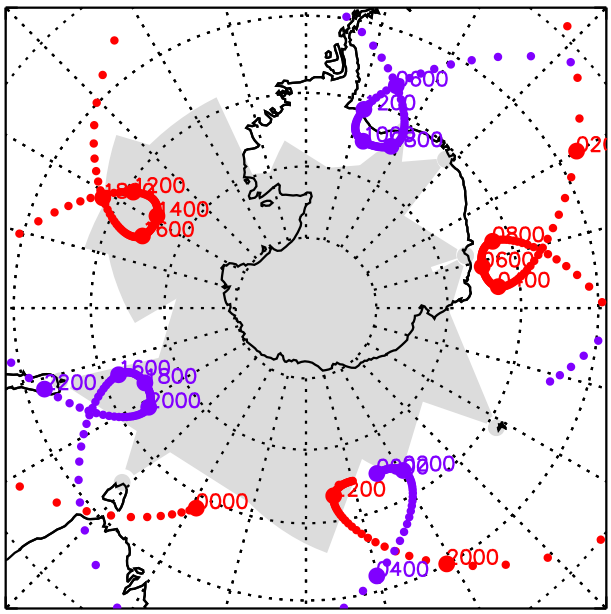


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

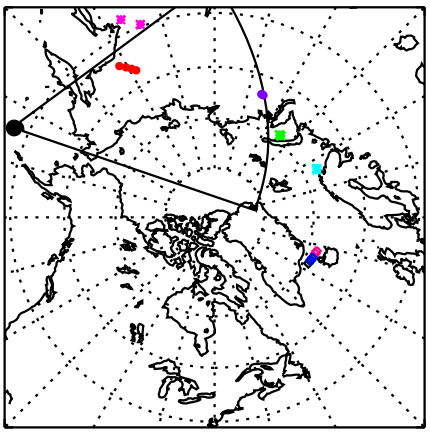
13–Aug–2014

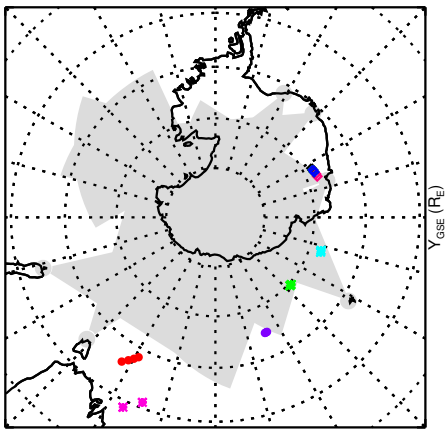
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

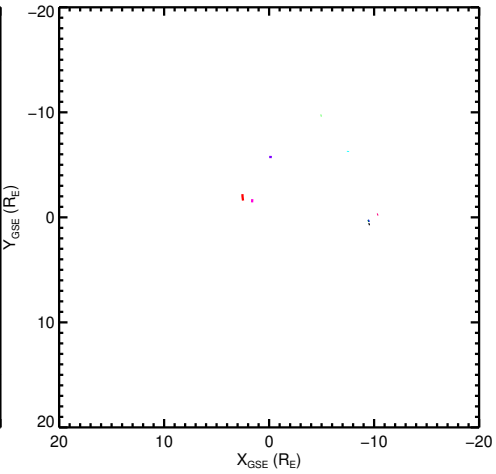




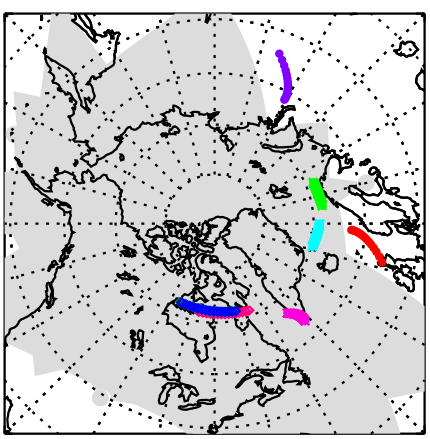
(a) 0000UT to 0015UT
adw

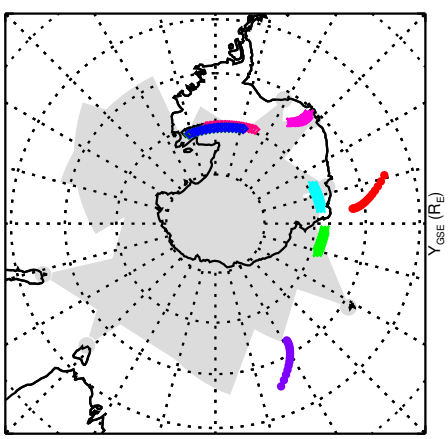


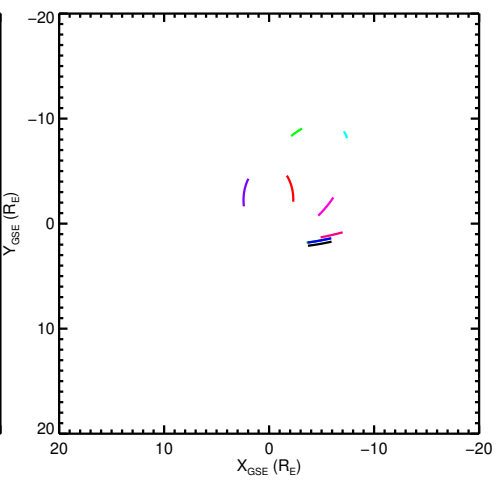




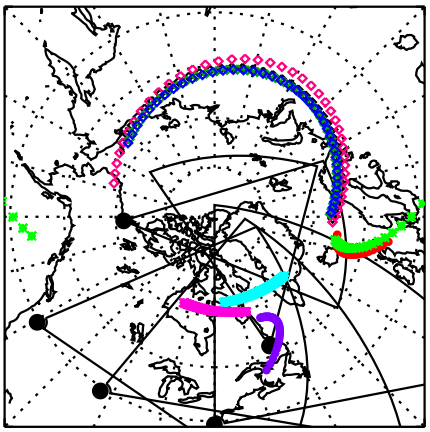
(b) 0225UT to 0345UT



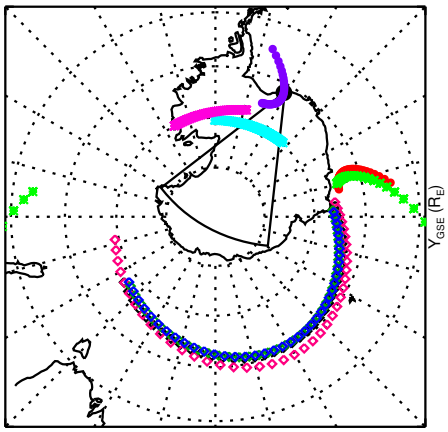


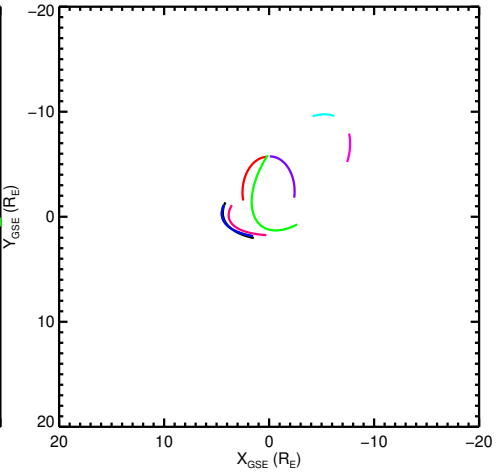


(c) 0550UT to 0915UT
cve fhe gbr inv wal

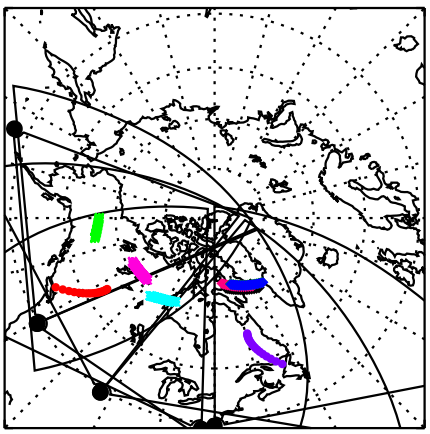


hal

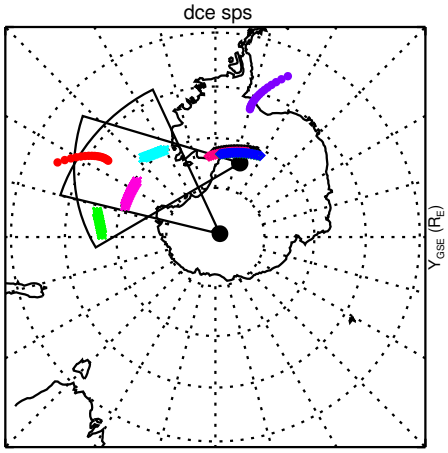


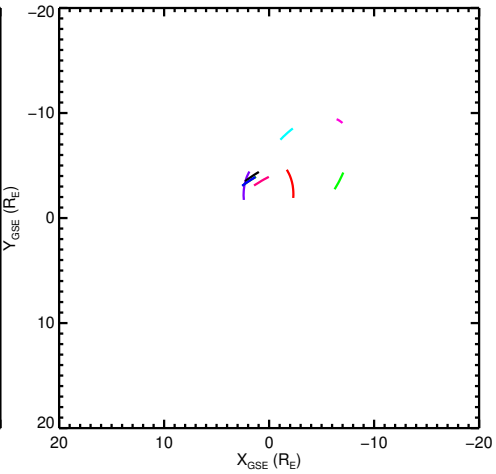


(d) 1120UT to 1245UT
ade bks cve cvw fhe fhw wal

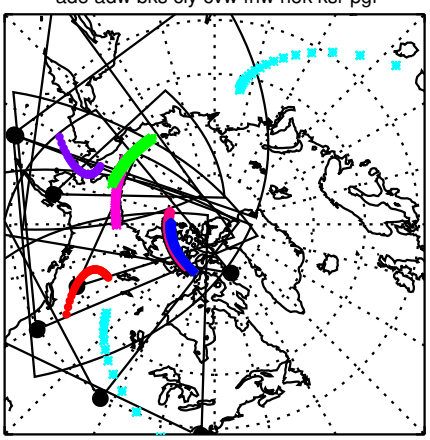


dce sps

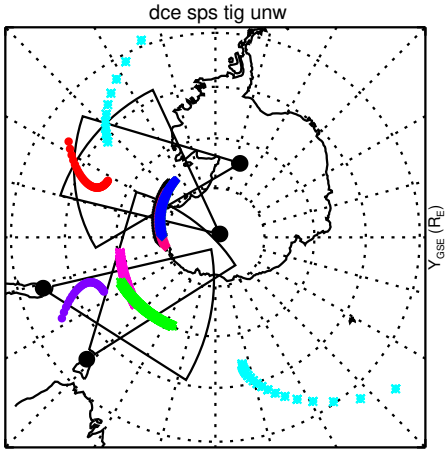


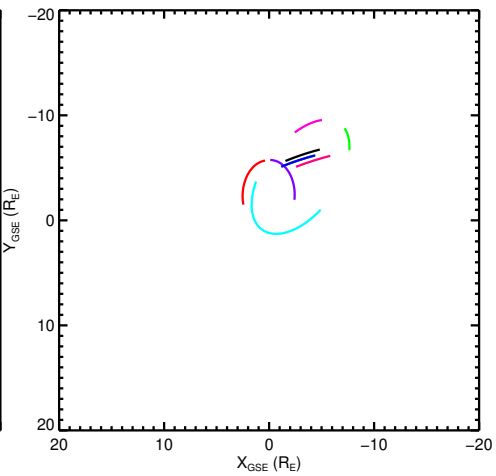


(e) 1455UT to 1815UT
ade adw bks cly cvw fhw hok ksr pgr

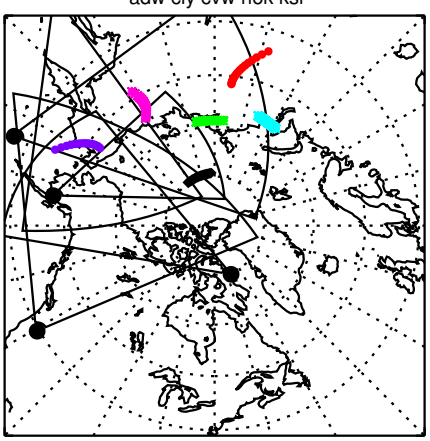


dce sps tig unw

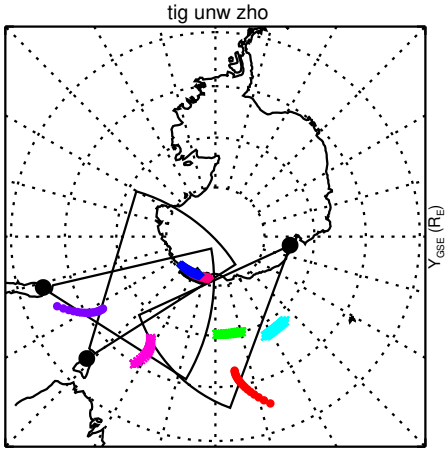


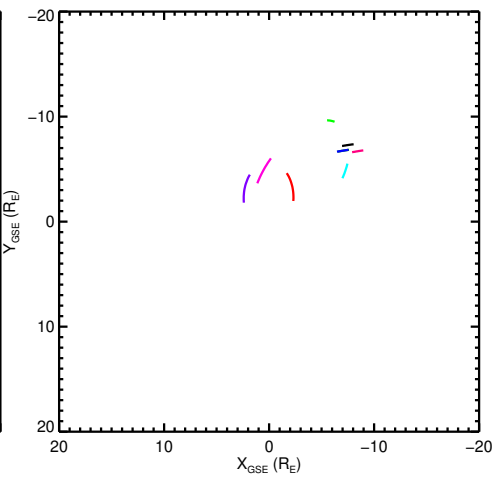


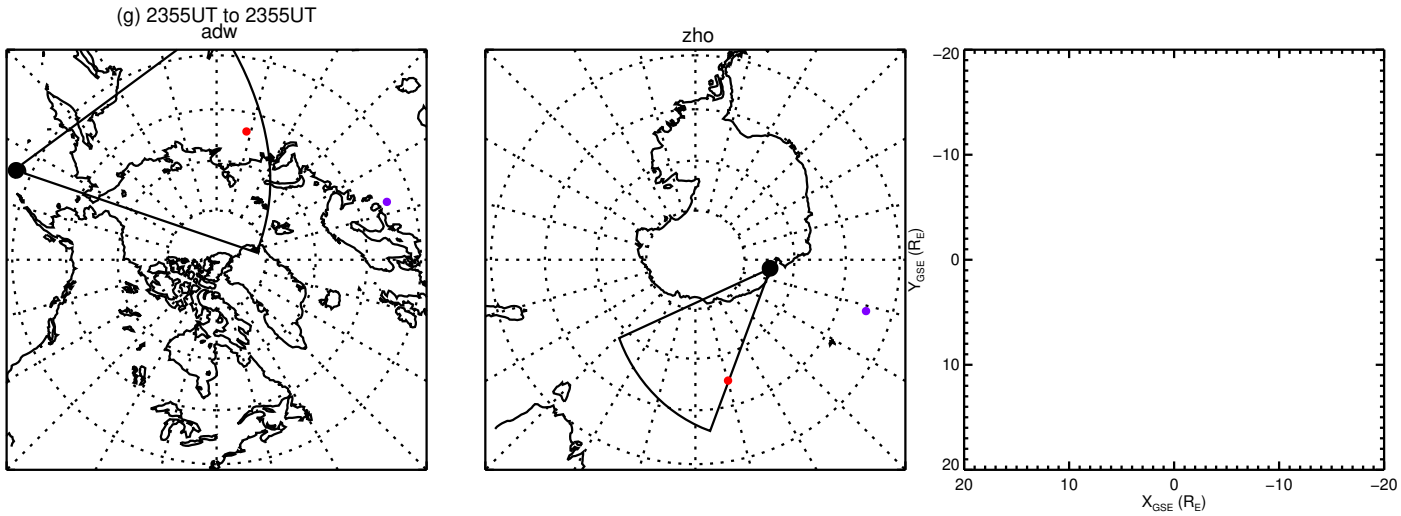
(f) 2020UT to 2145UT
adw cly cvw hok ksr



tig unw zho



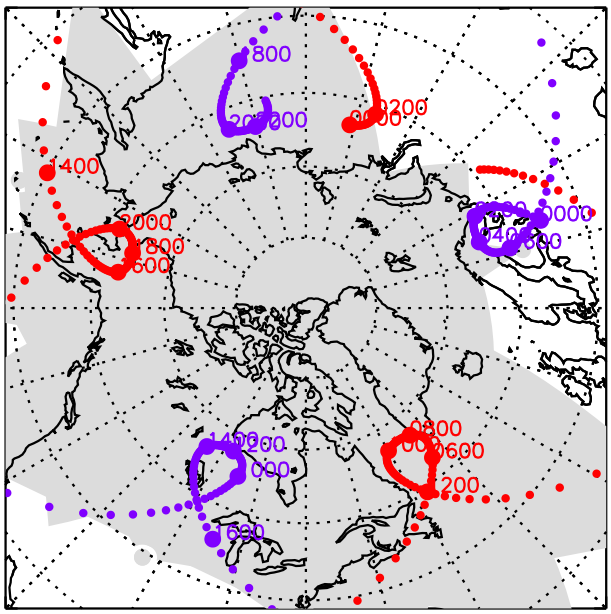


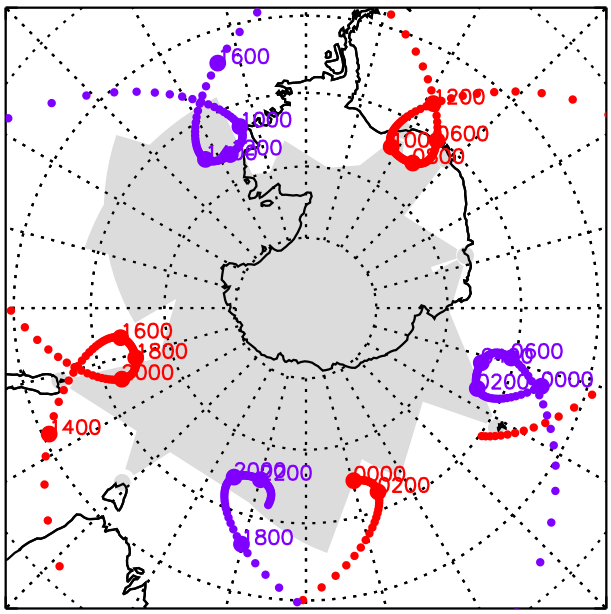

(g) 2355UT to 2355UT
adw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

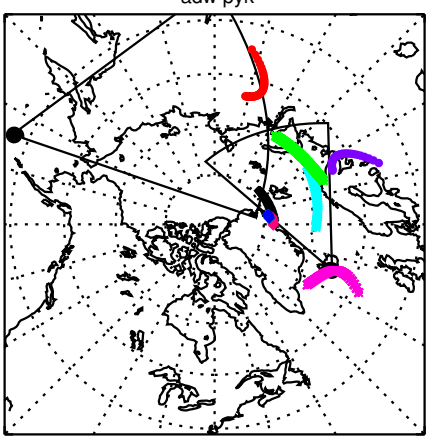
14–Aug–2014

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

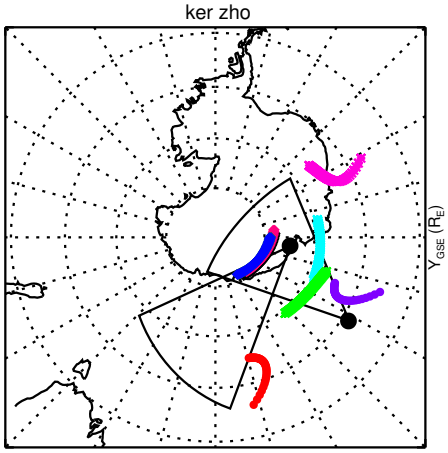


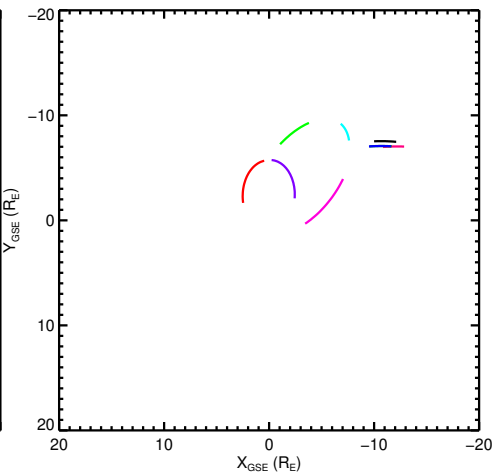


(a) 0000UT to 0310UT
adw pyk

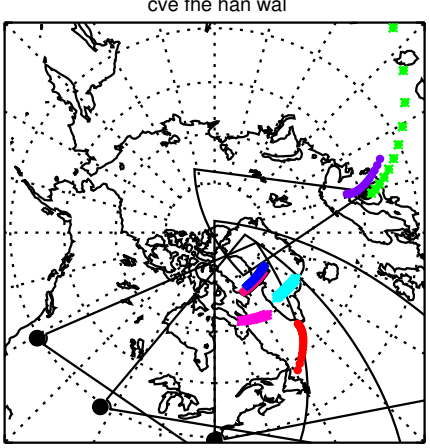


ker zho

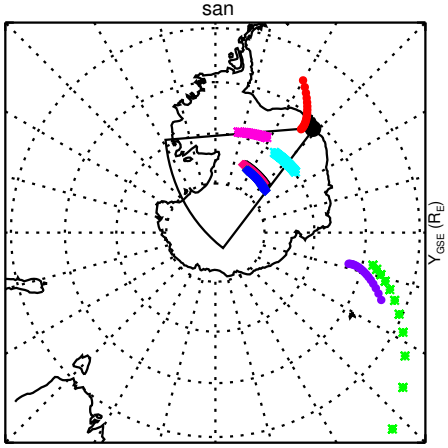


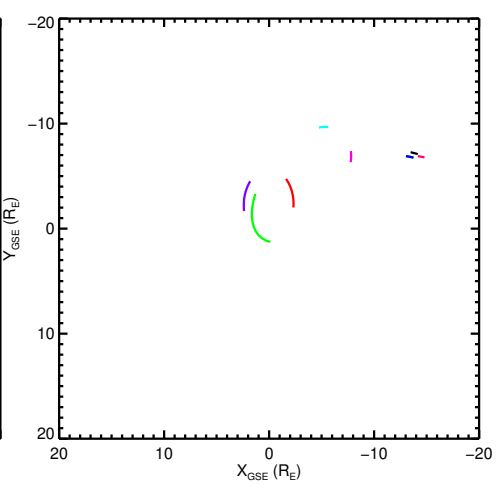


(b) 0520UT to 0650UT
cve fhe han wal

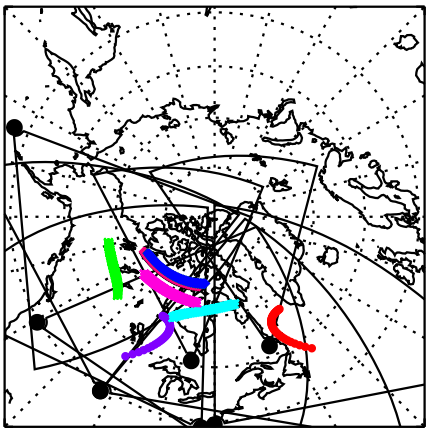


san

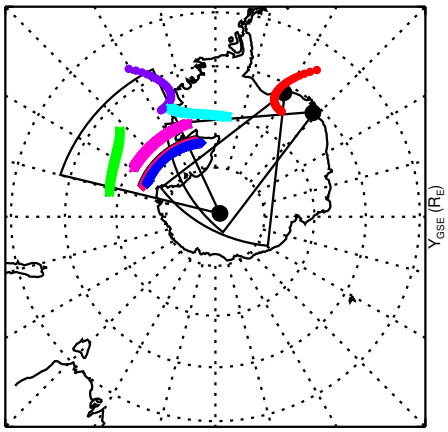


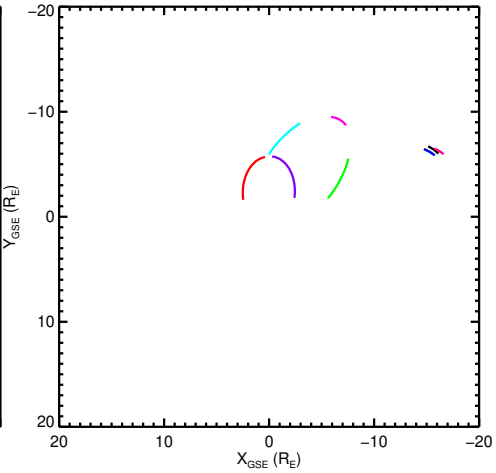


(c) 0855UT to 1210UT
ade bks cve fhe fhw gbr kap wal

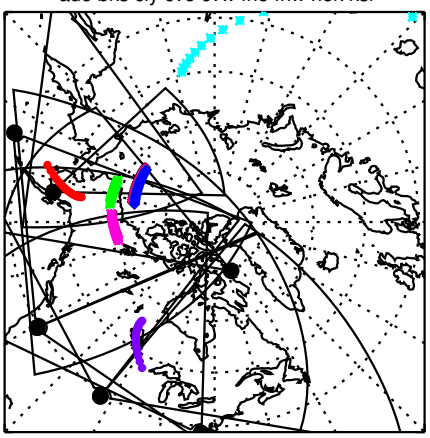


dce hal san

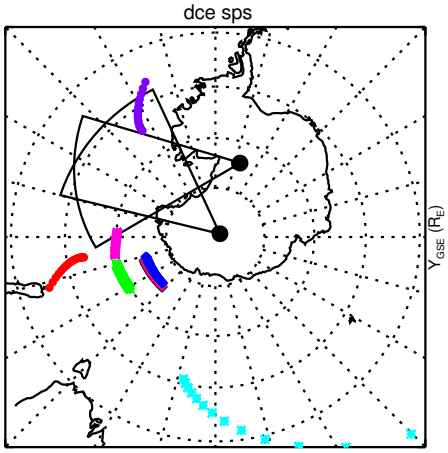


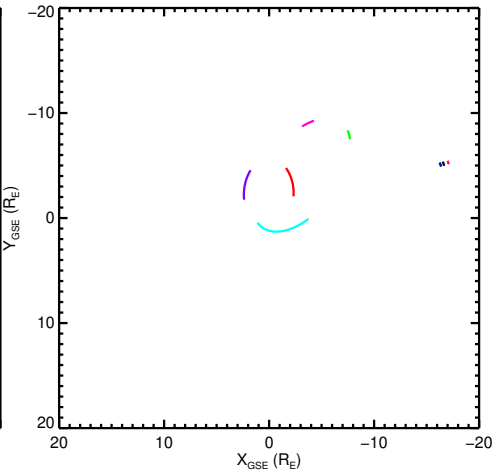


(d) 1420UT to 1550UT
ade bks cly cve cvw fhe fhw hok ksr

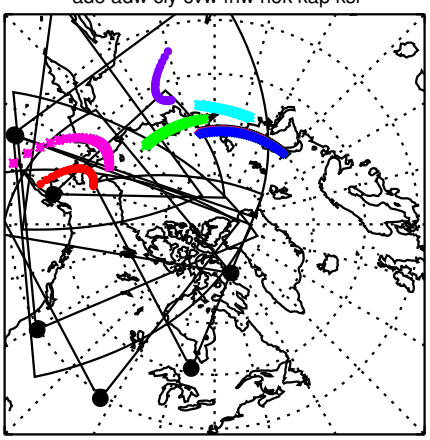


dce sps

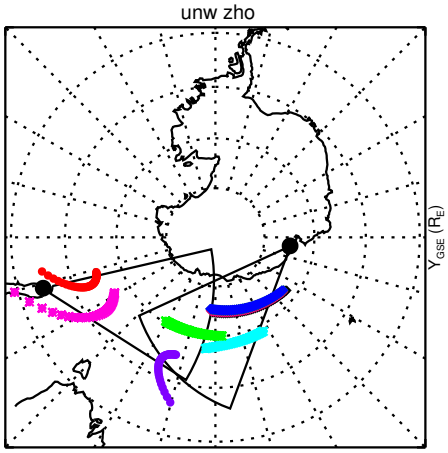


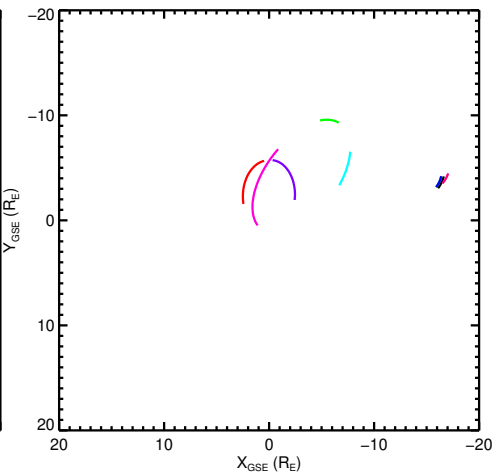


(e) 1800UT to 2110UT
ade adw cly cvw fhw hok kap ksr

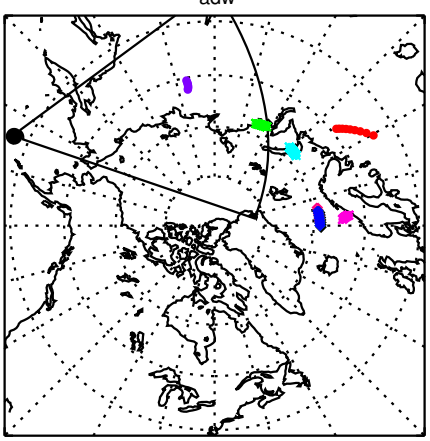


unw zho

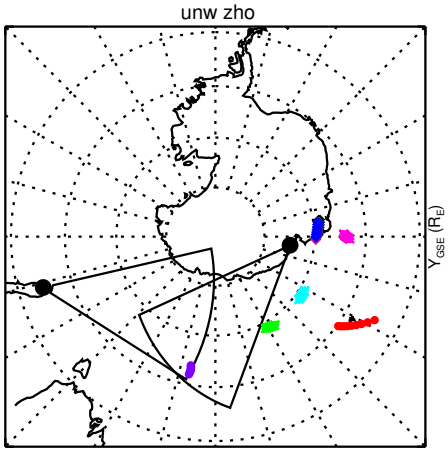


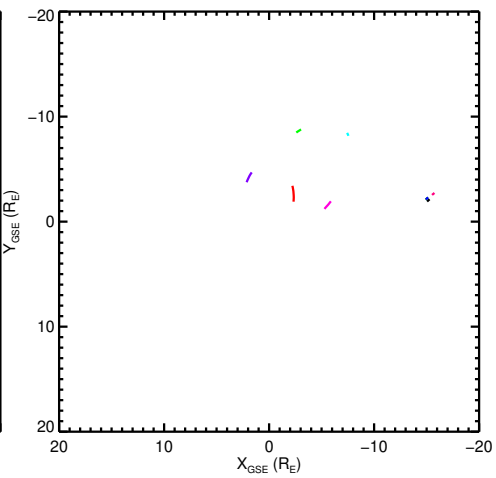


(f) 2315UT to 2355UT
adw



unw zho

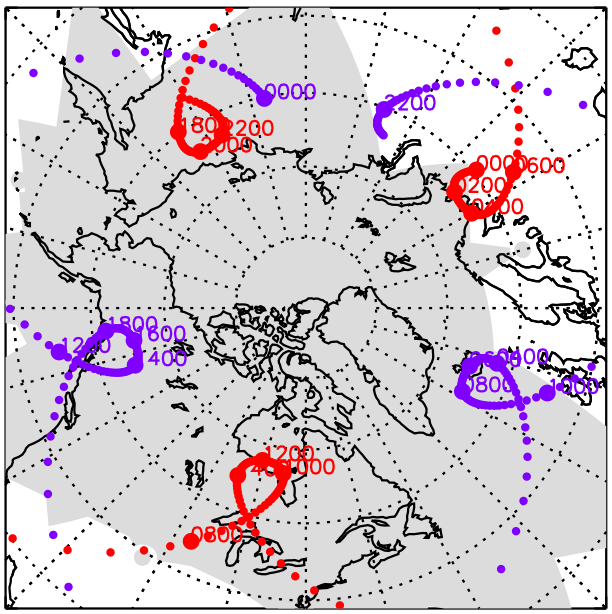


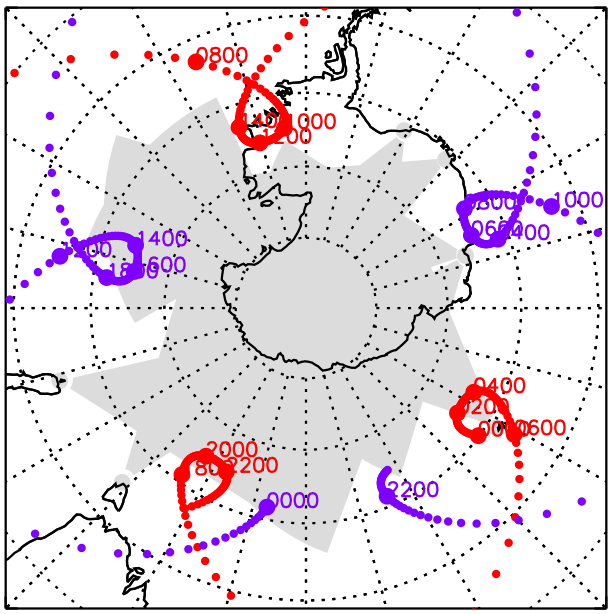


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

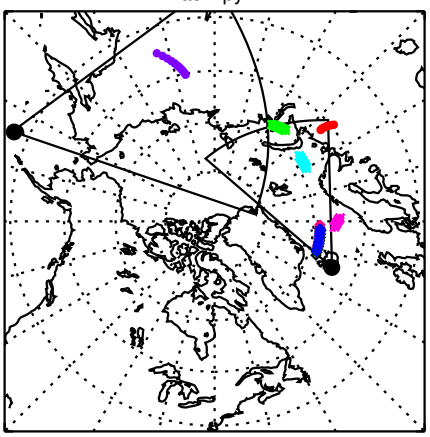
15–Aug–2014

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

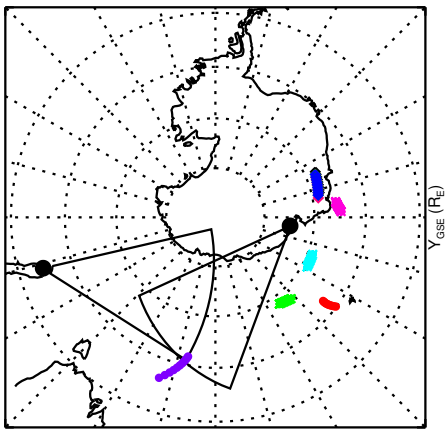


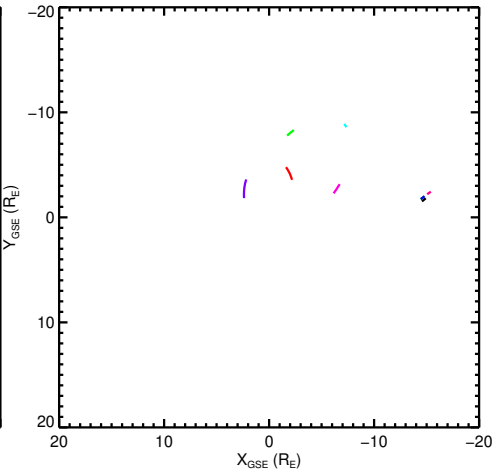


(a) 0000UT to 0050UT
adw pyk

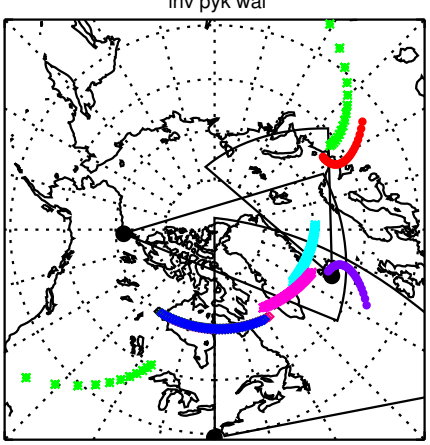


unw zho

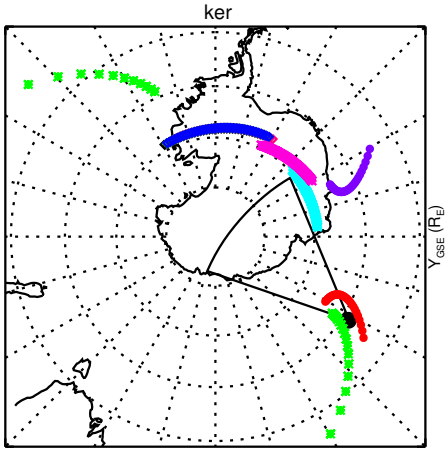


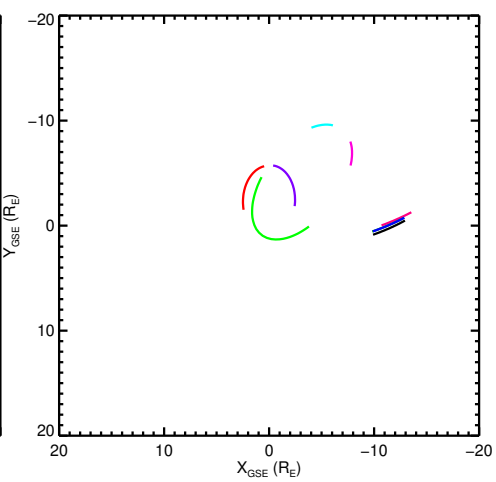


(b) 0300UT to 0610UT
inv pyk wal

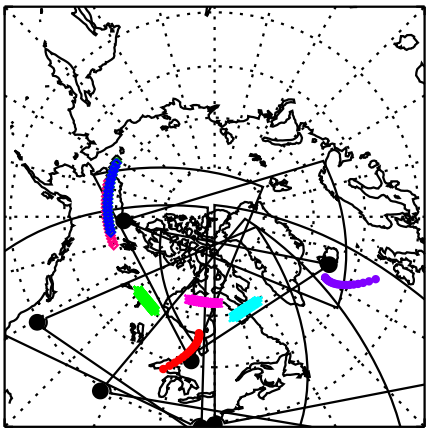


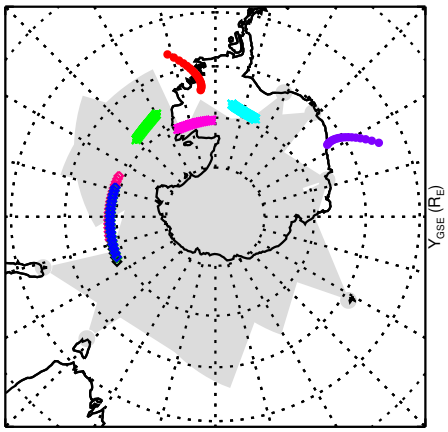
ker

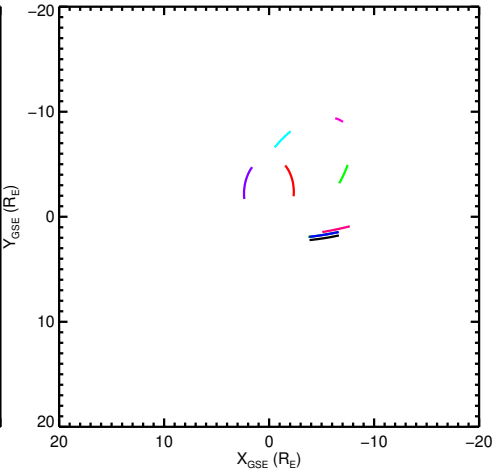




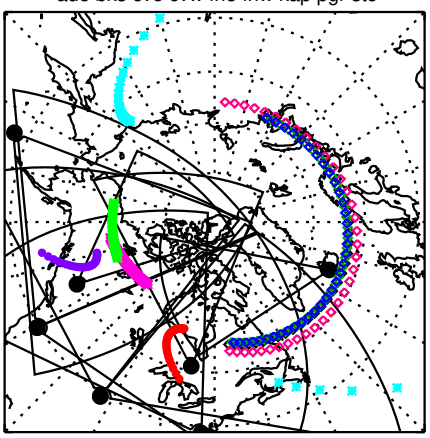
(c) 0815UT to 0955UT
bks cve fhe inv kap sto wal



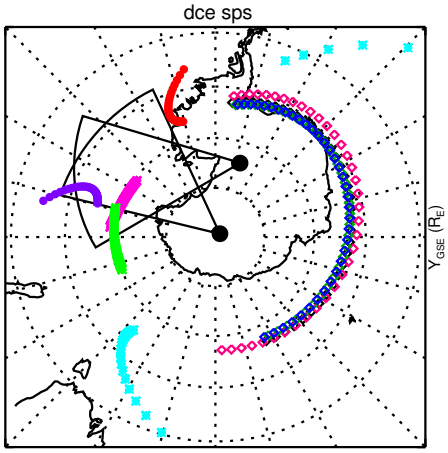


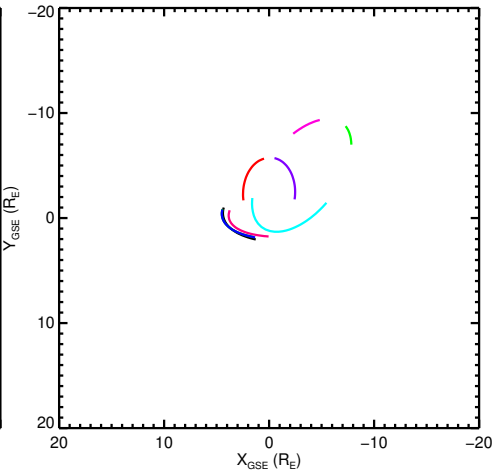


(d) 1200UT to 1505UT
ade bks cve cvw fhe fhw kap pgr sto

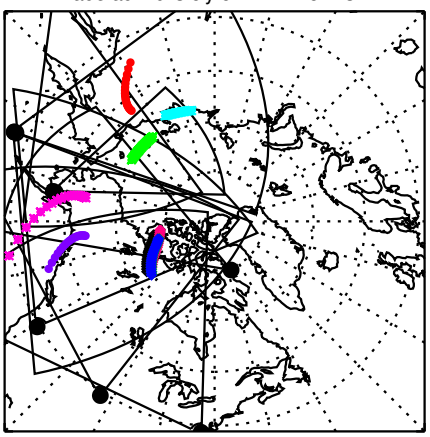


dce sps

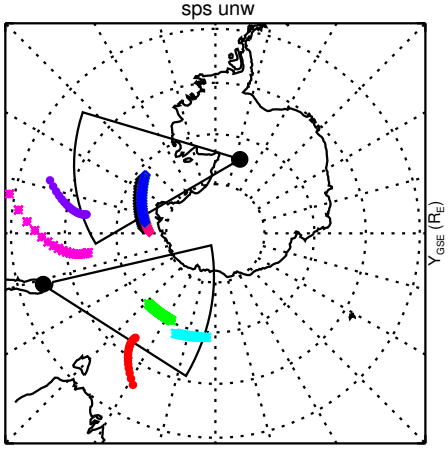


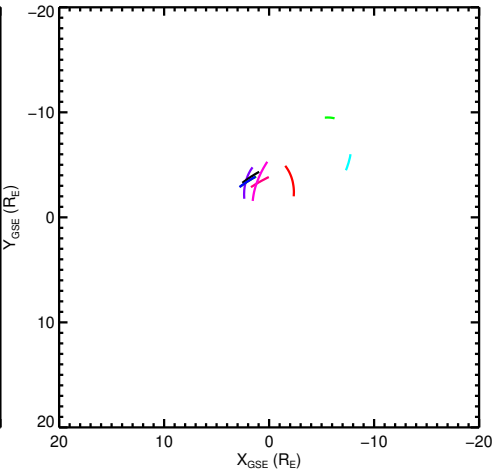


(e) 1715UT to 1855UT
ade adw bks cly cvw fhw hok ksr

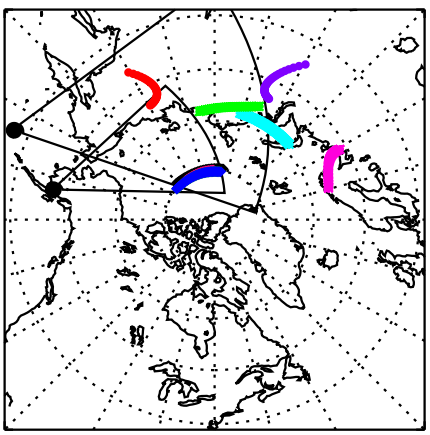


sps unw

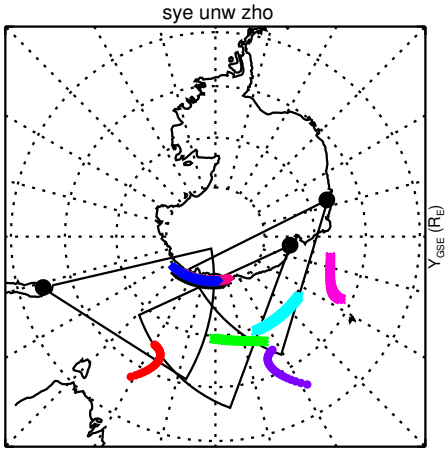


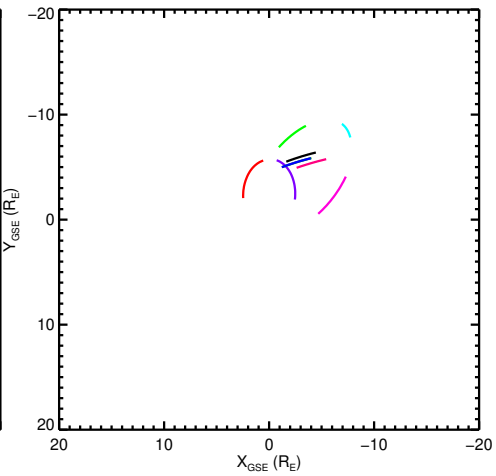


(f) 2105UT to 2355UT
adw ksr



sye unw zho

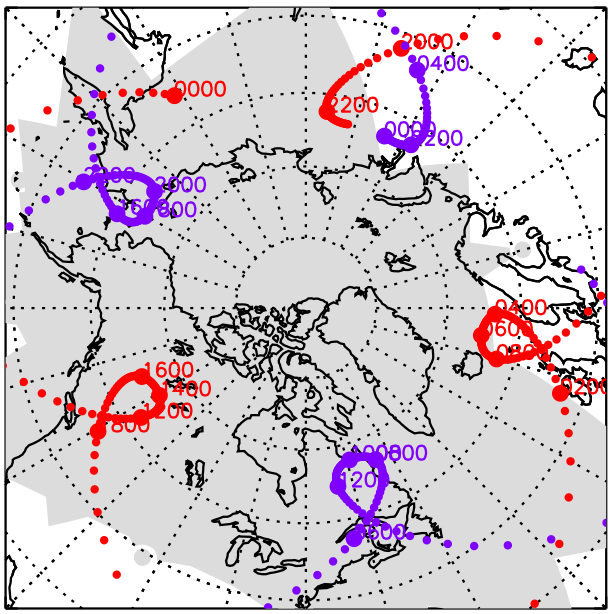


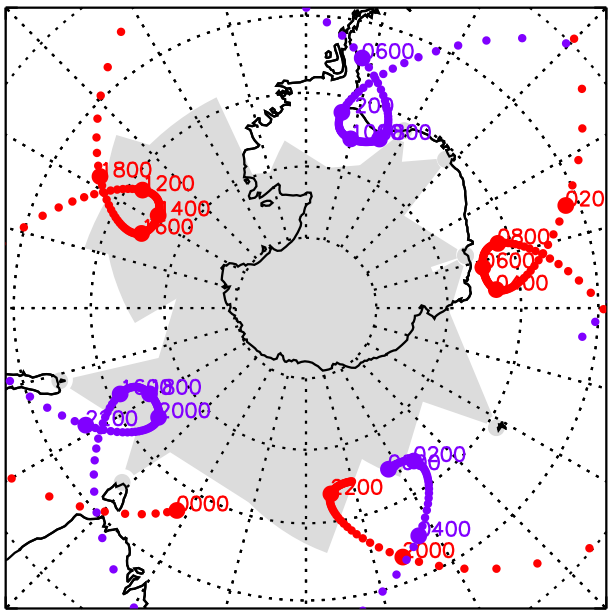


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

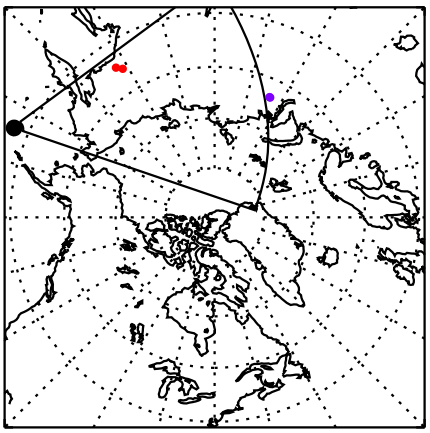
16–Aug–2014

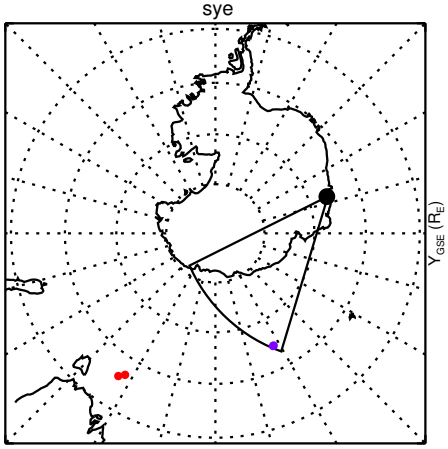
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

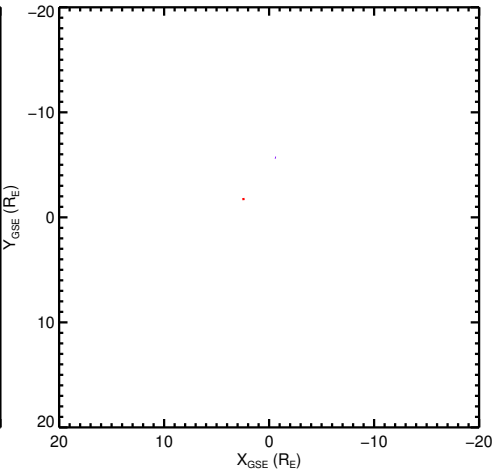




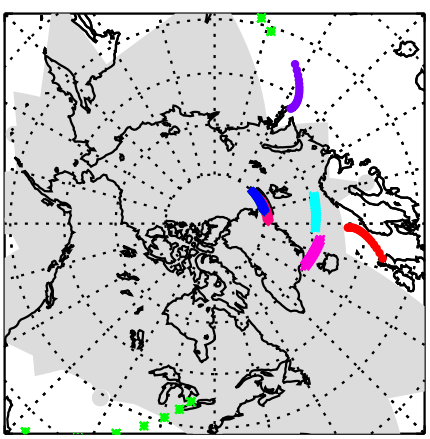
(a) 0000UT to 0005UT

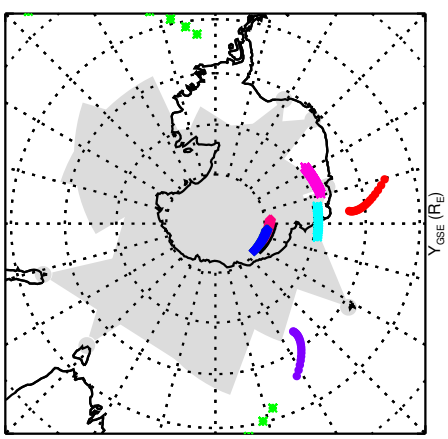


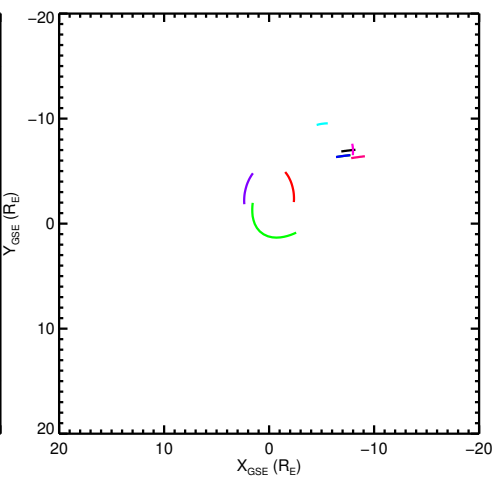




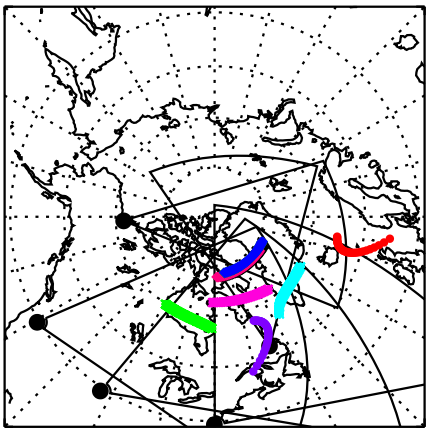
(b) 0215UT to 0355UT

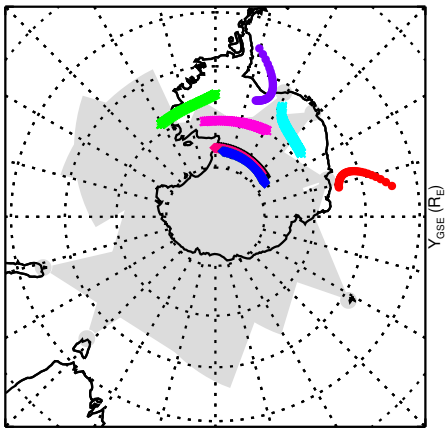


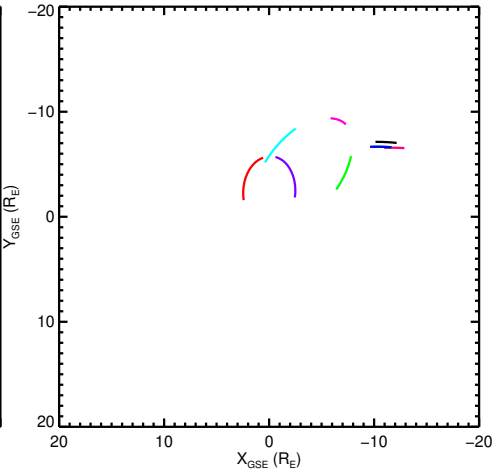




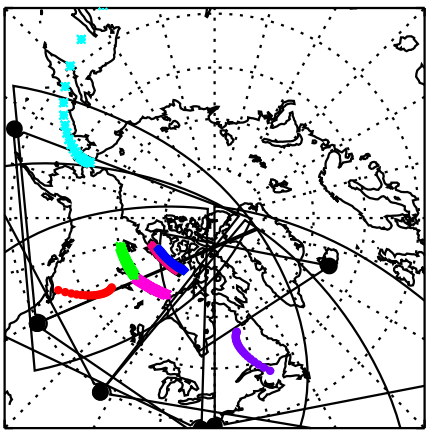
(c) 0605UT to 0905UT
cve fhe gbr inv wal



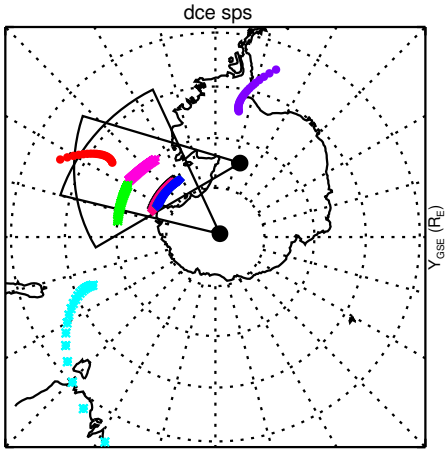


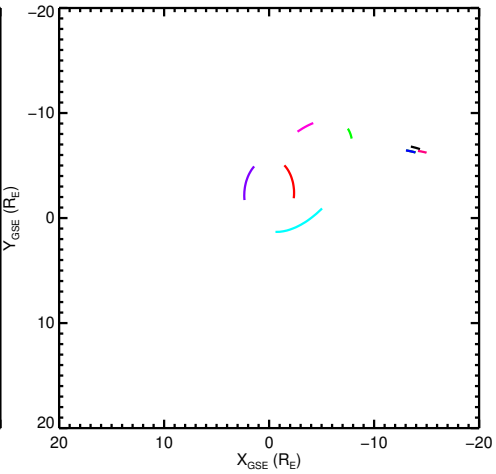


(d) 1110UT to 1300UT
ade bks cve cvw fhe fhw sto wal

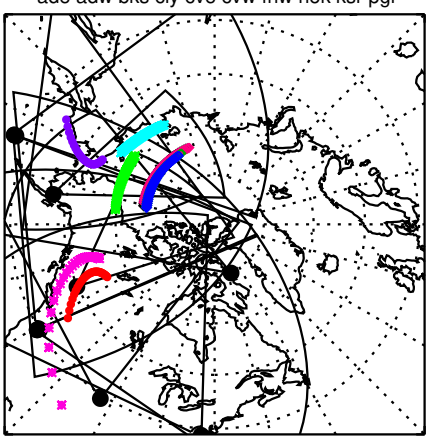


dce sps

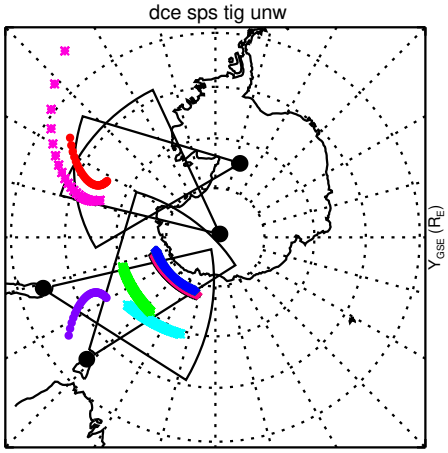


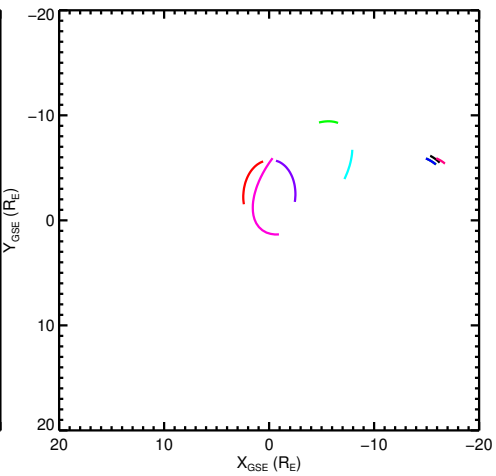


(e) 1505UT to 1805UT
ade adw bks cly cve cvw fhw hok ksr pgr

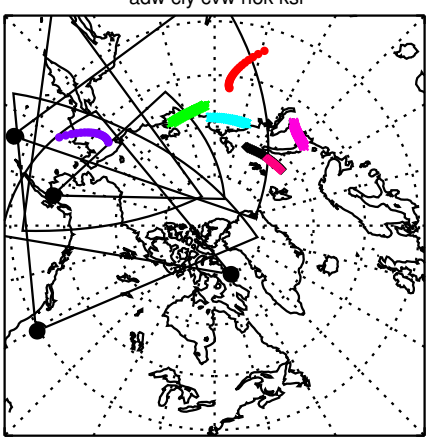


dce sps tig unw

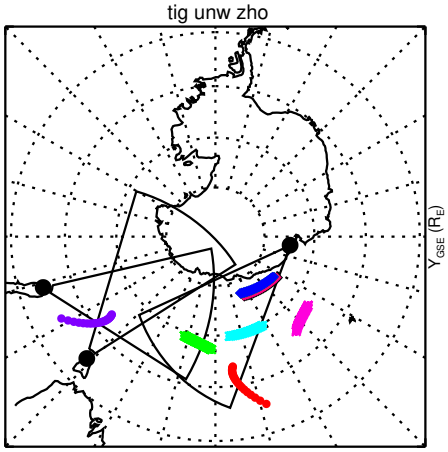


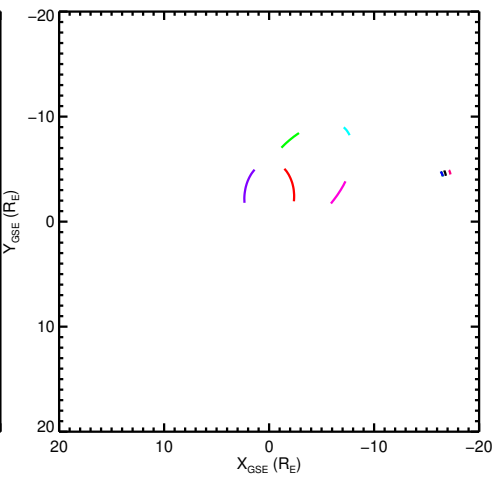


(f) 2010UT to 2200UT
adw cly cvw hok ksr



tig unw zho

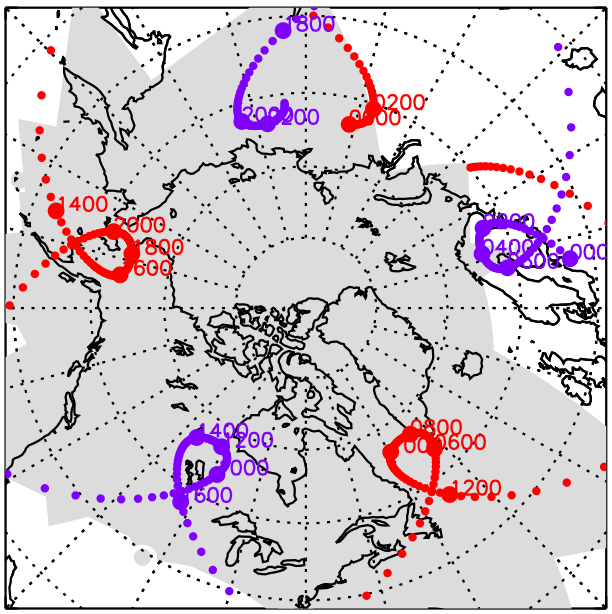


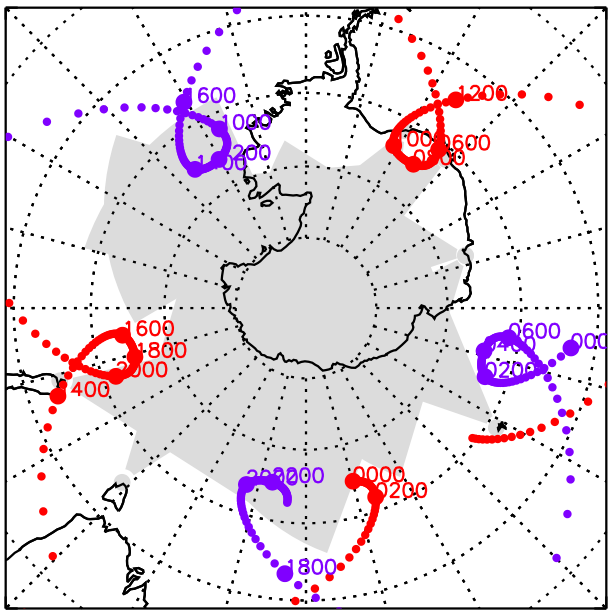


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

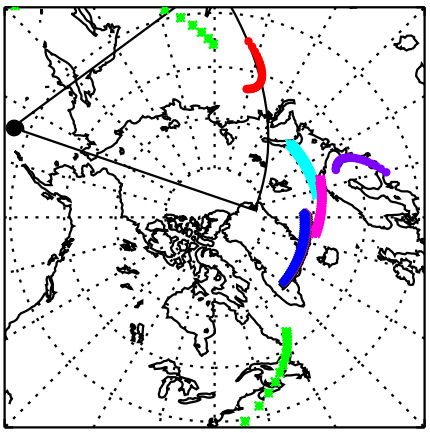
17–Aug–2014

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

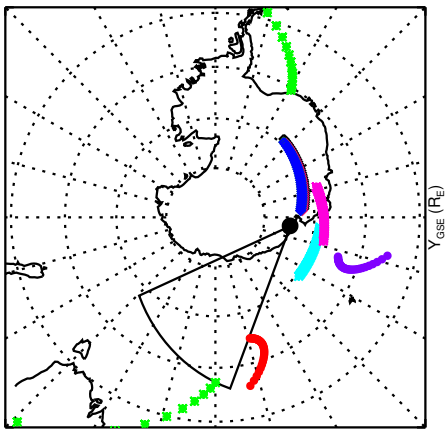


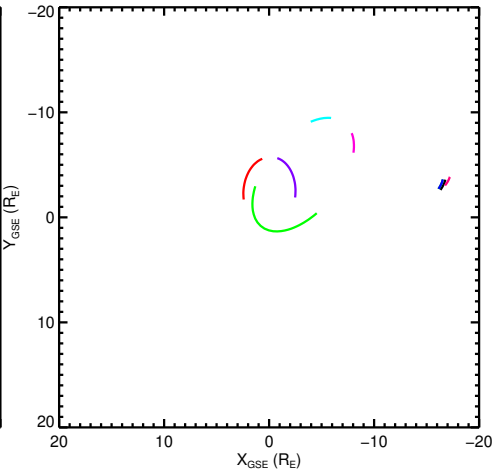


(a) 0010UT to 0300UT
adw

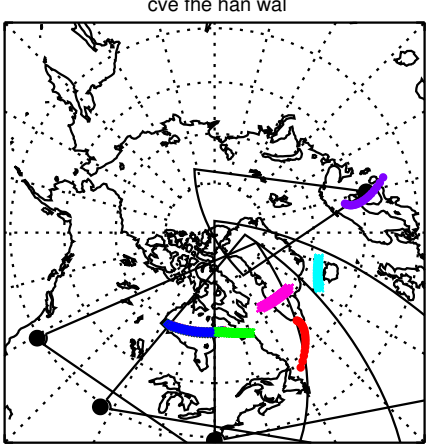


zho

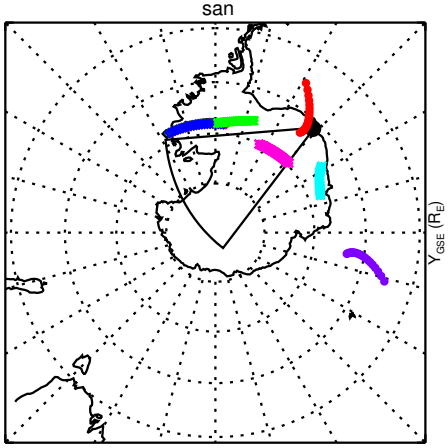


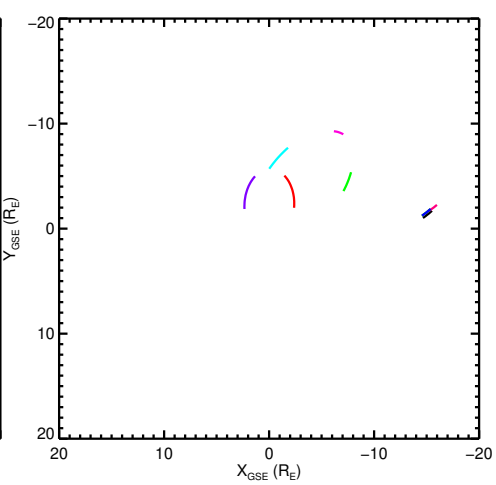


(b) 0510UT to 0700UT
cve fhe han wal

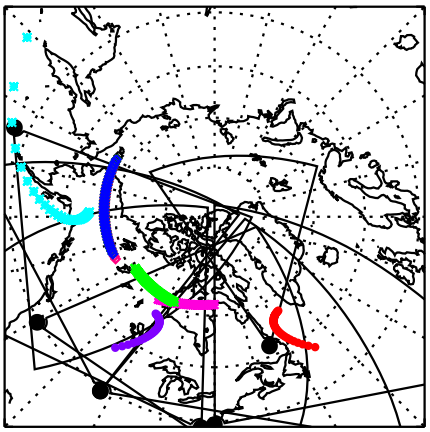


san

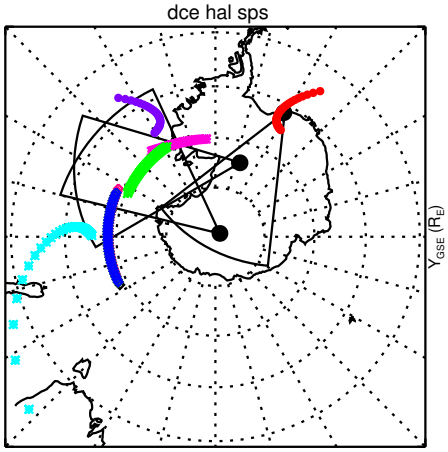


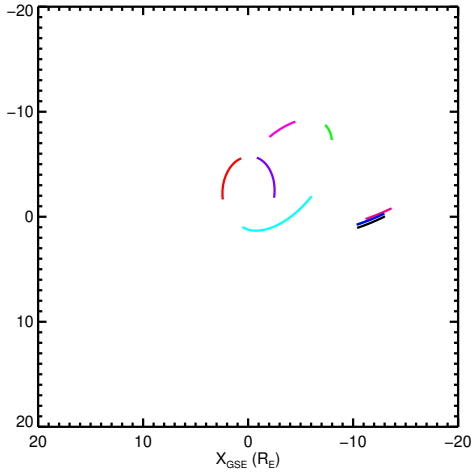


(c) 0910UT to 1200UT
ade bks cve fhe fhw gbr wal

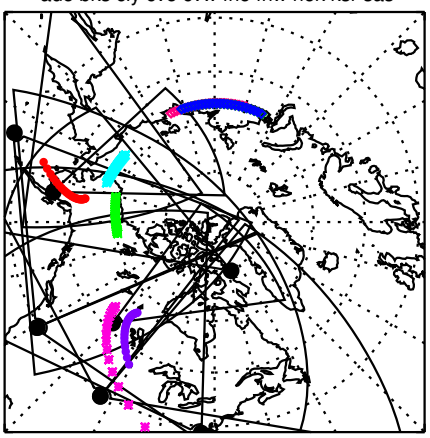


dce hal sps

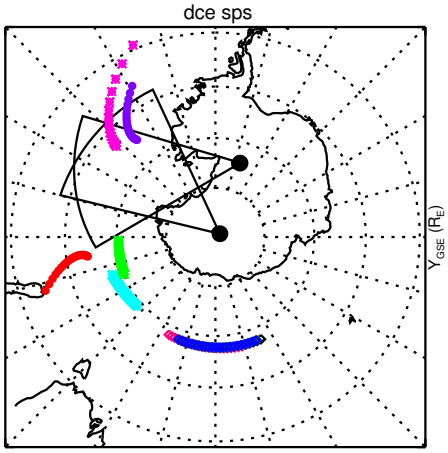


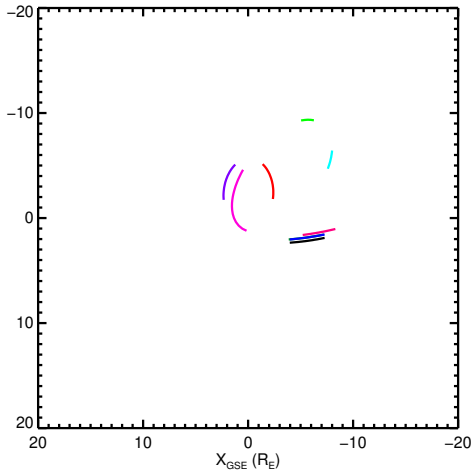


(d) 1405UT to 1605UT
ade bks cly cve cvw fhe fhw hok ksr sas

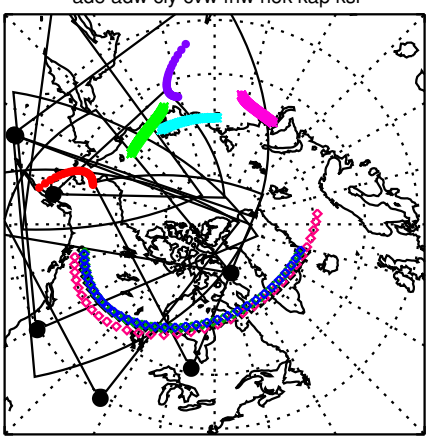


dce sps

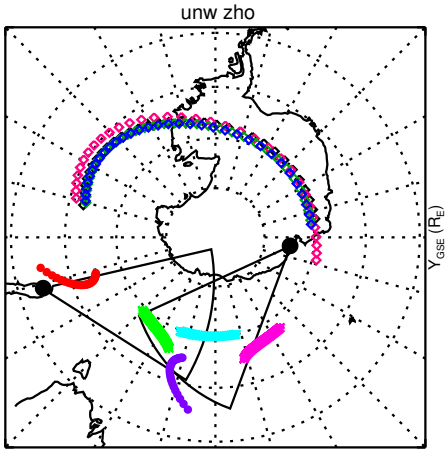


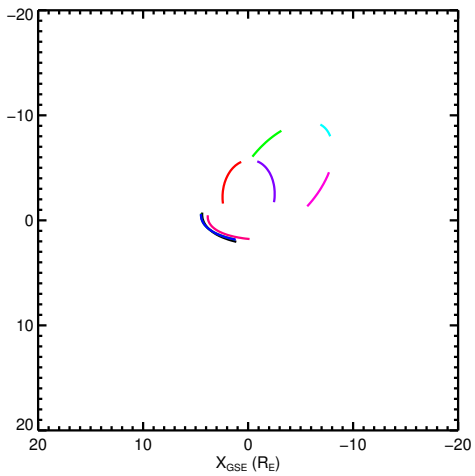


(e) 1810UT to 2100UT
ade adw cly cvw fhw hok kap ksr

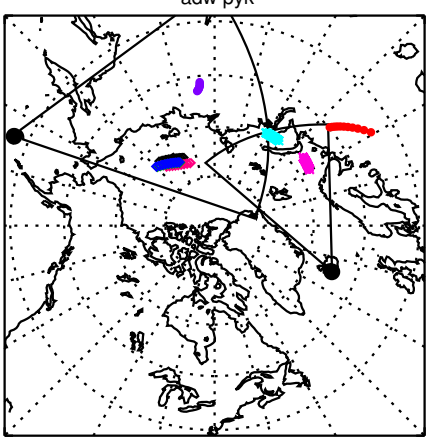


unw zho

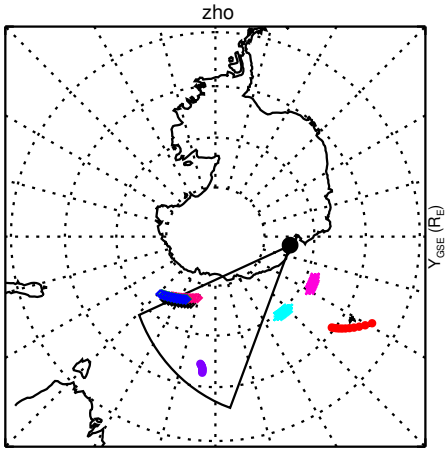


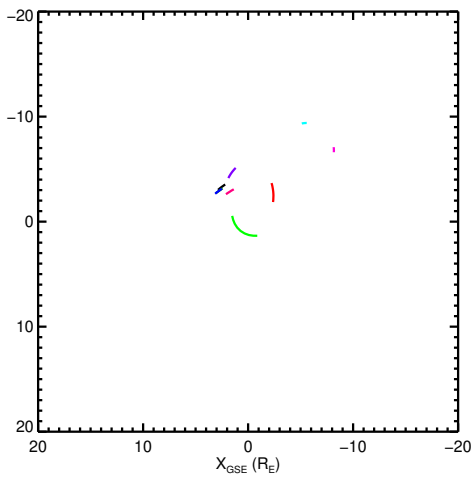


(f) 2305UT to 2355UT
adw pyk



zho

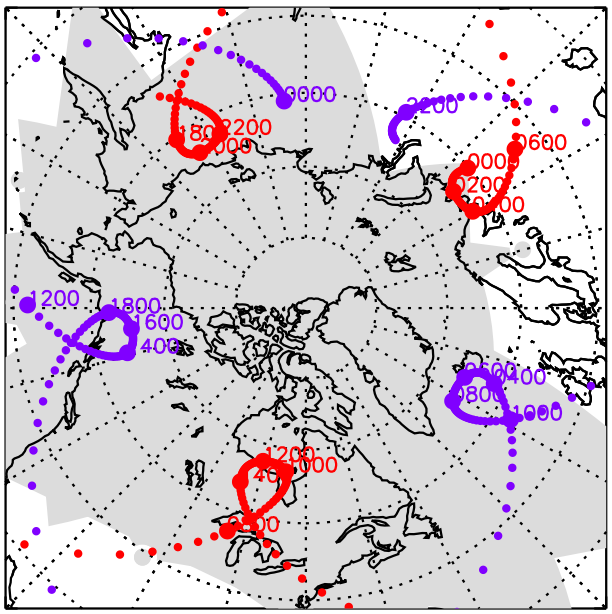


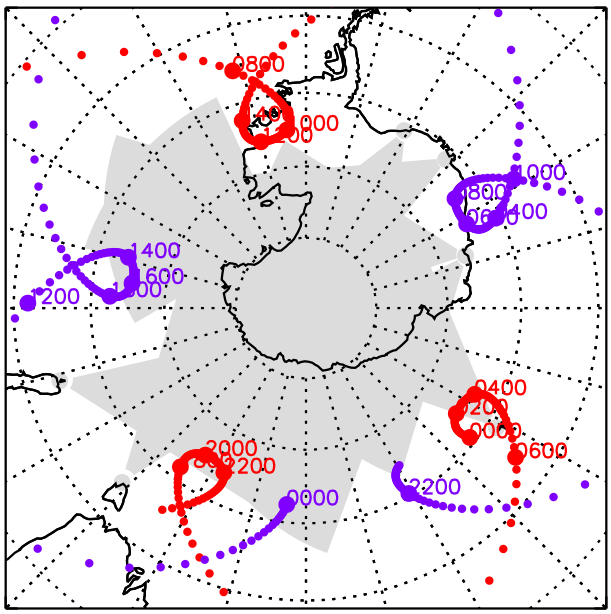


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

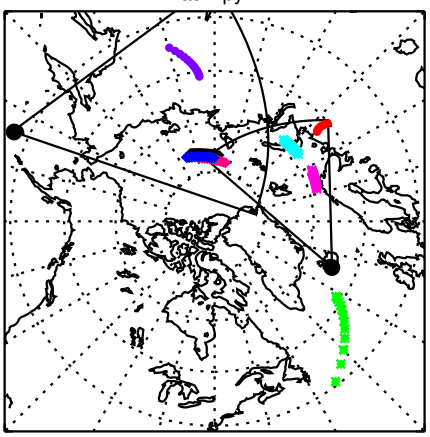
18–Aug–2014

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

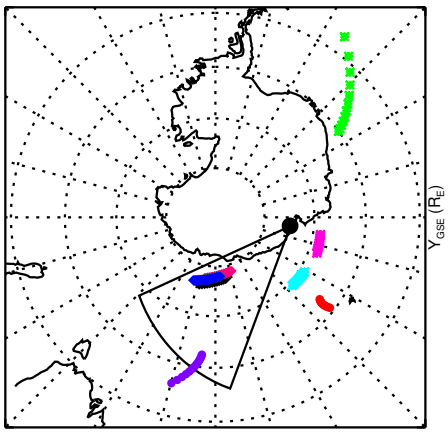


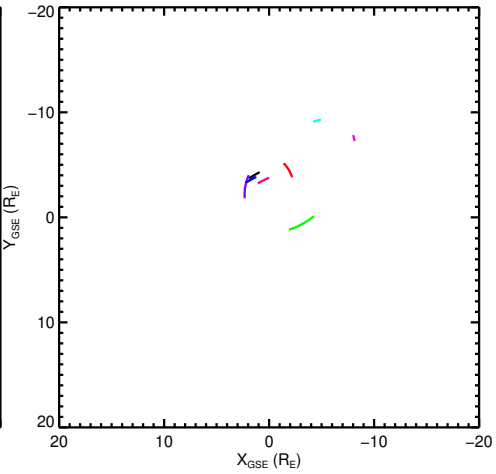


(a) 0000UT to 0105UT
adw pyk

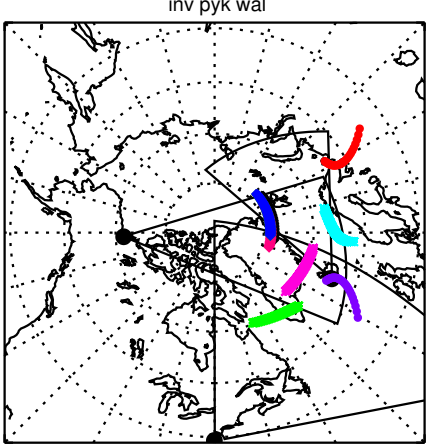


zho

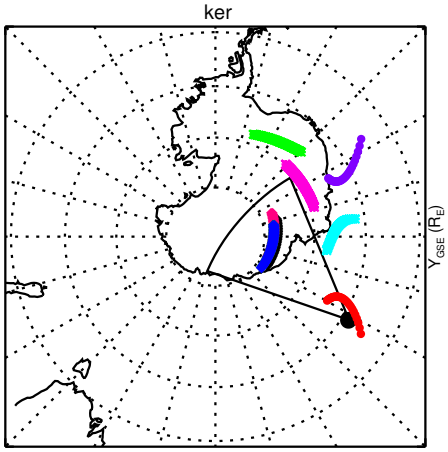


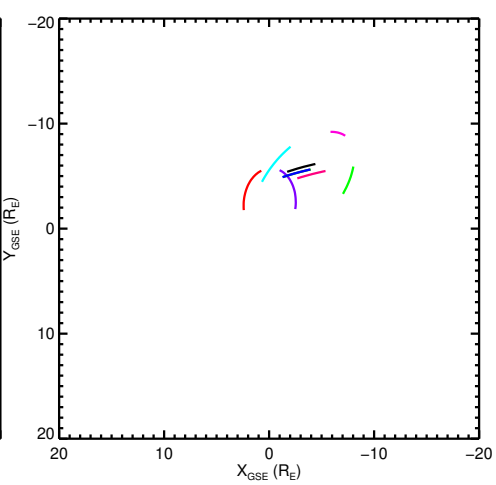


(b) 0315UT to 0555UT
inv pyk wal

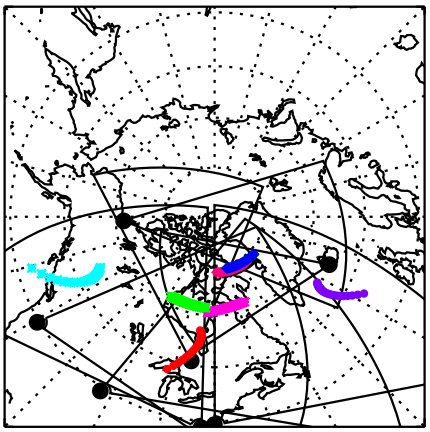


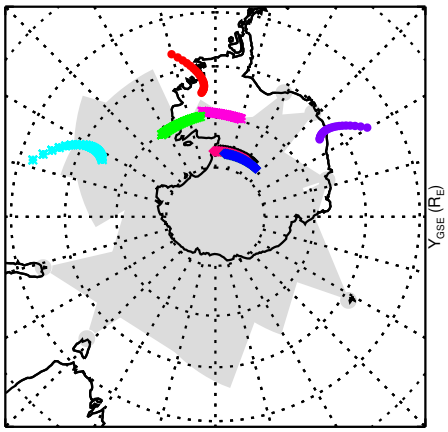
ker

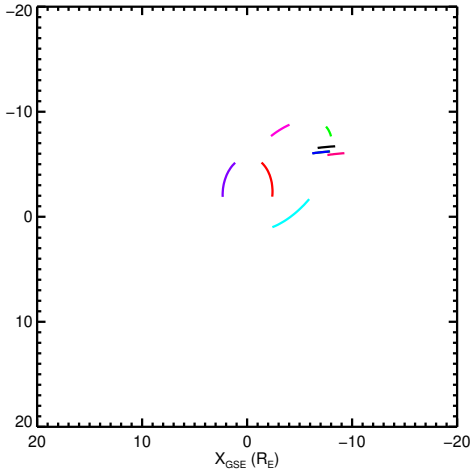




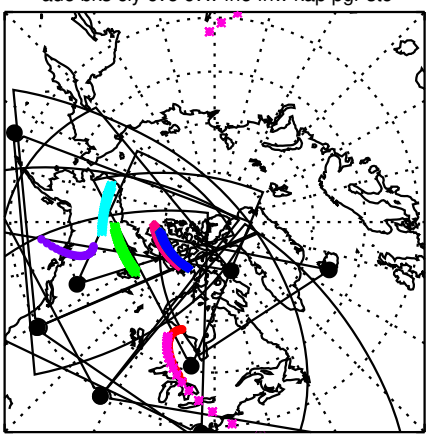
(c) 0805UT to 1005UT
bks cve fhe inv kap sto wal



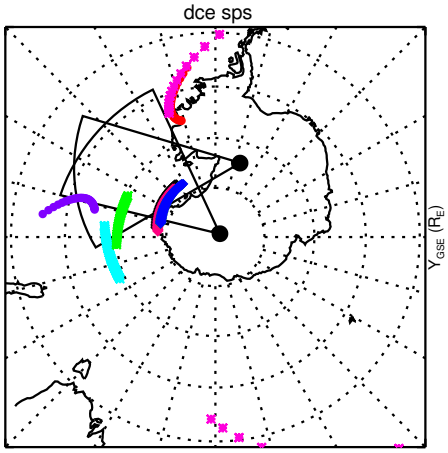


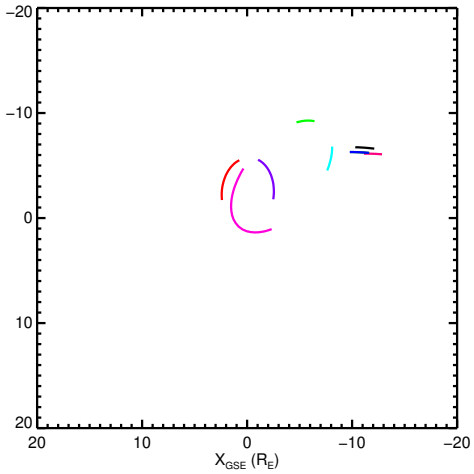


(d) 1215UT to 1455UT
ade bks cly cve cvw fhe fhw kap pgr sto

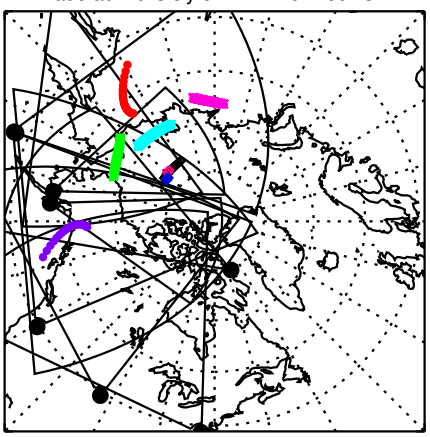


dce sps

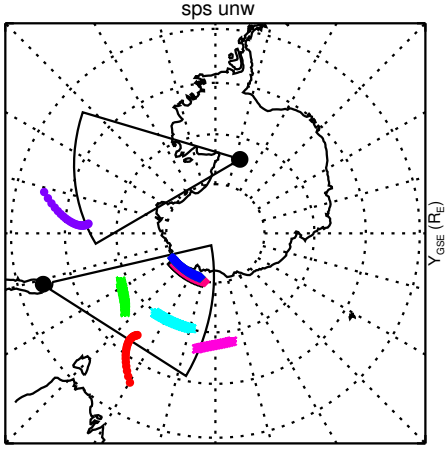


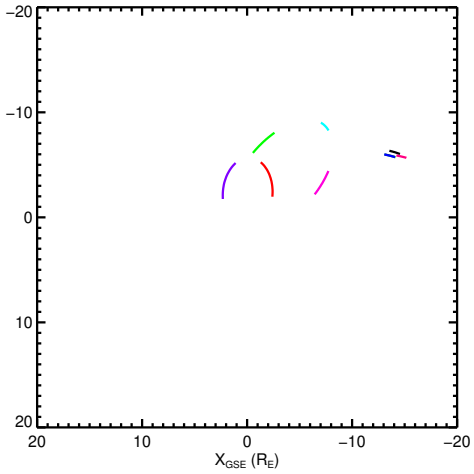


(e) 1705UT to 1910UT
ade adw bks cly cvw fhw hok kod ksr

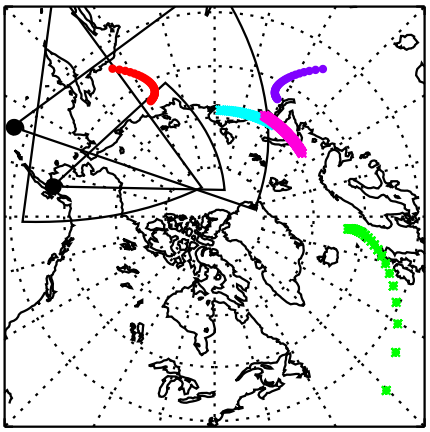


sps unw

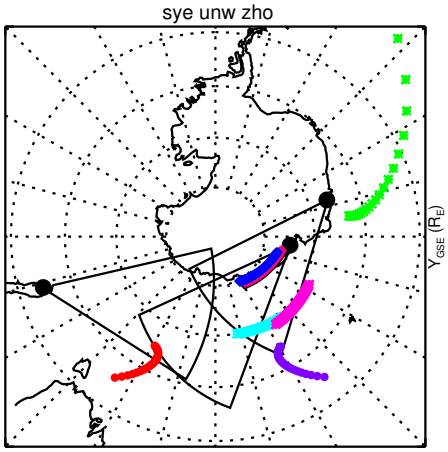


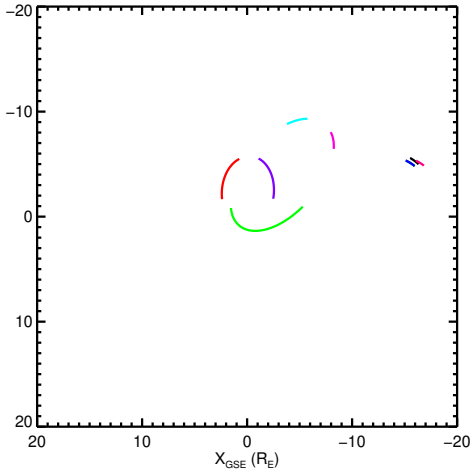


(f) 2115UT to 2355UT
adw hok ksr



sye unw zho

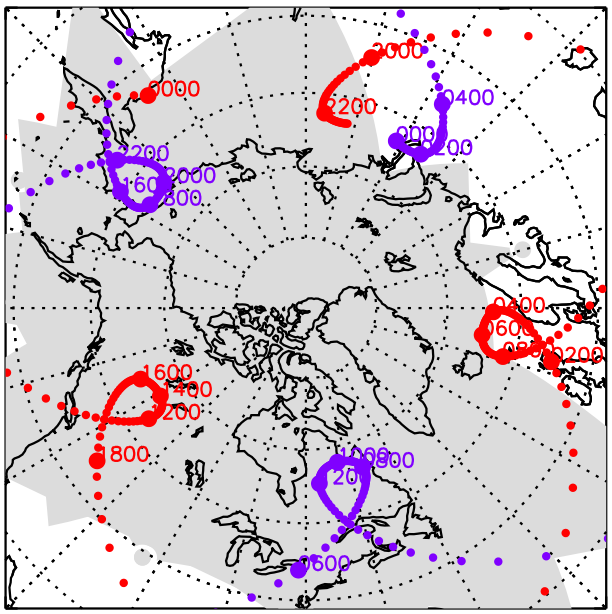


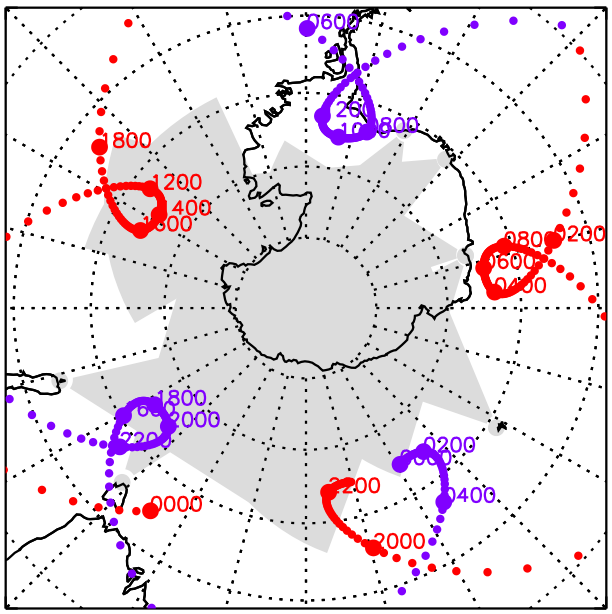


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

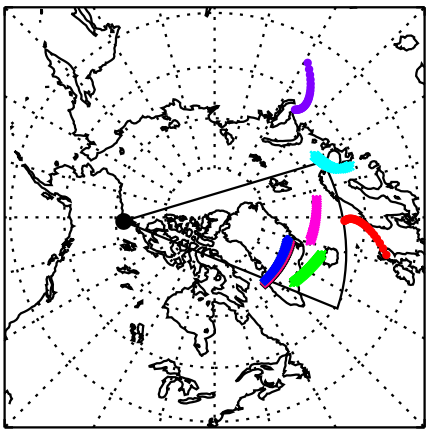
19–Aug–2014

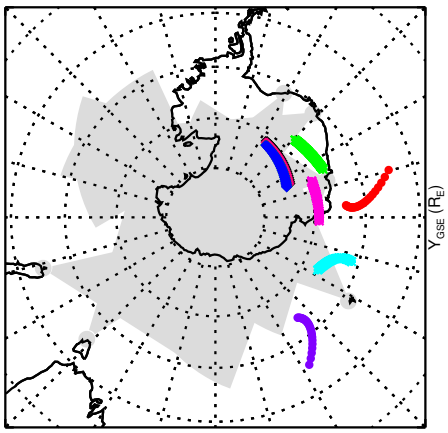
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

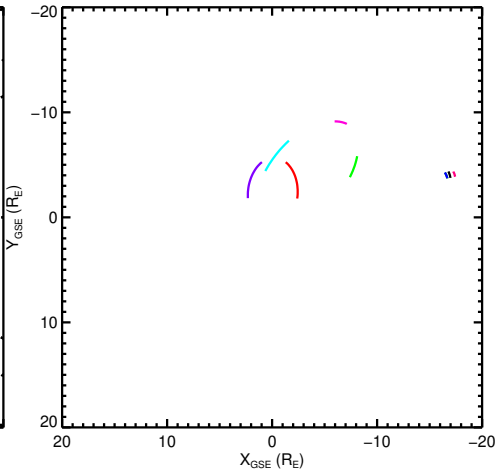




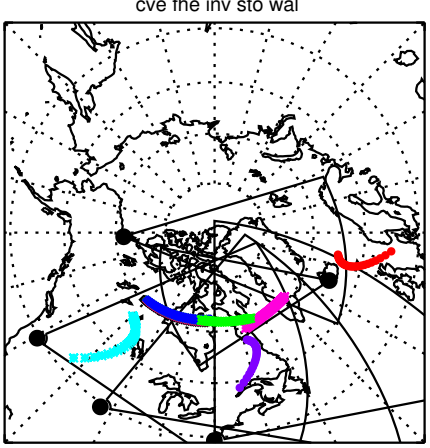
(a) 0200UT to 0410UT
inv

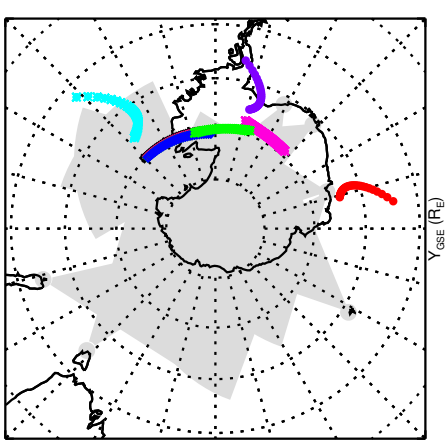


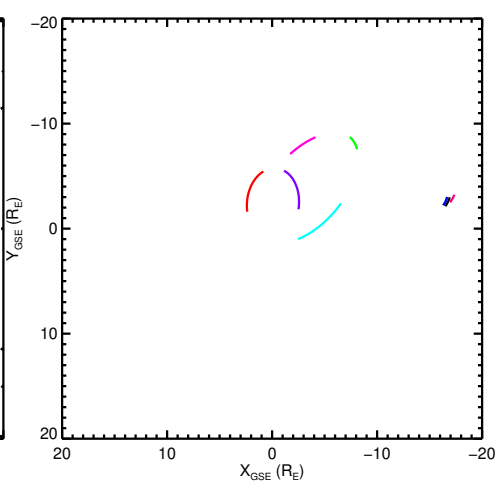




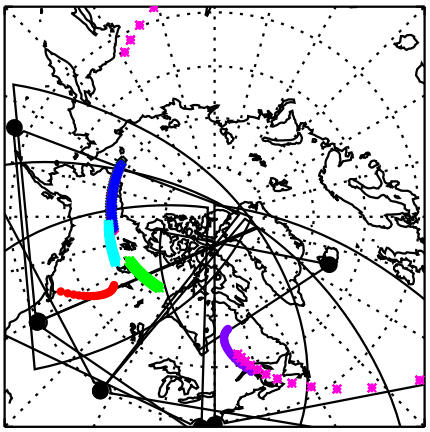
(b) 0620UT to 0855UT
cve fhe inv sto wal



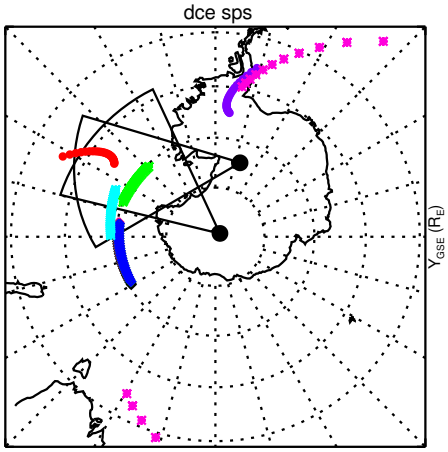


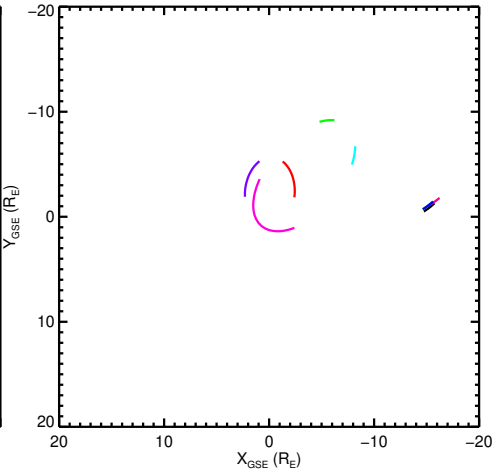


(c) 1100UT to 1310UT
ade bks cve cvw fhe fhw sto wal

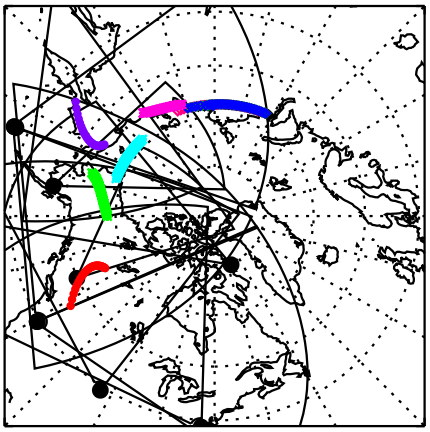


dce sps

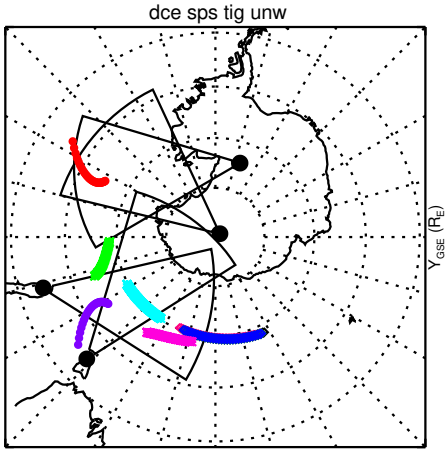


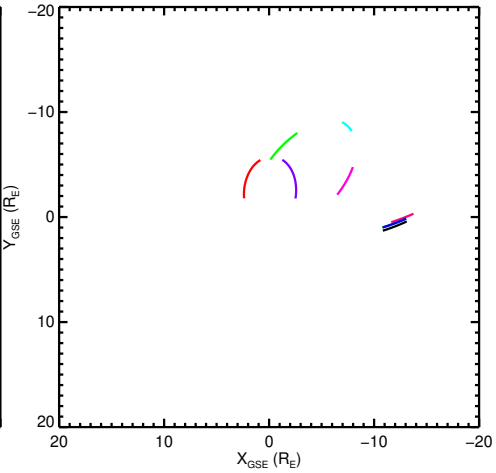


(d) 1520UT to 1750UT
ade adw bks cly cve cvw fhw hok ksr pgr

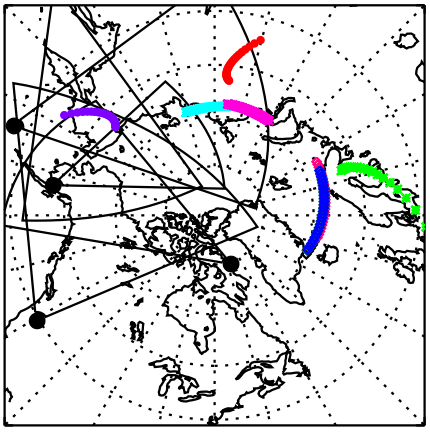


dce sps tig unw

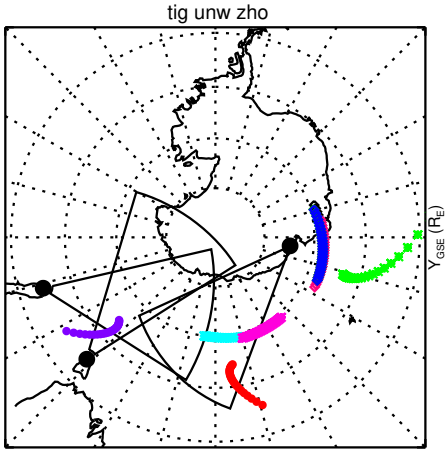


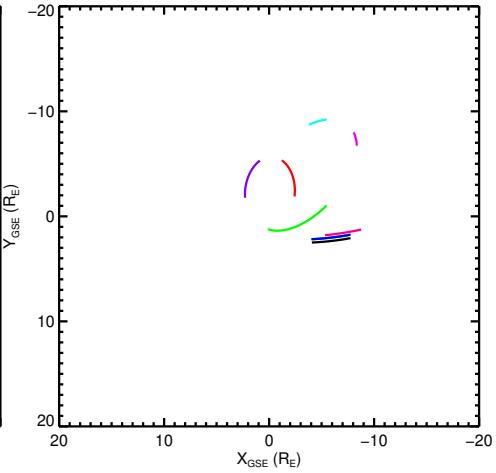


(e) 2000UT to 2215UT
adw cly cvw hok ksr



tig unw zho

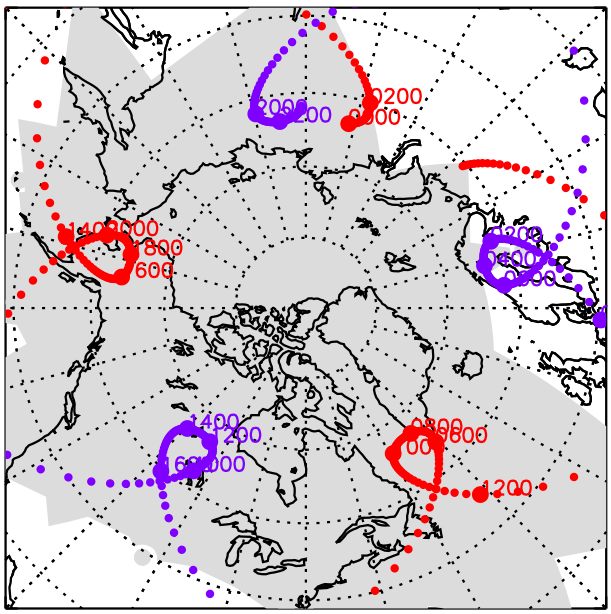


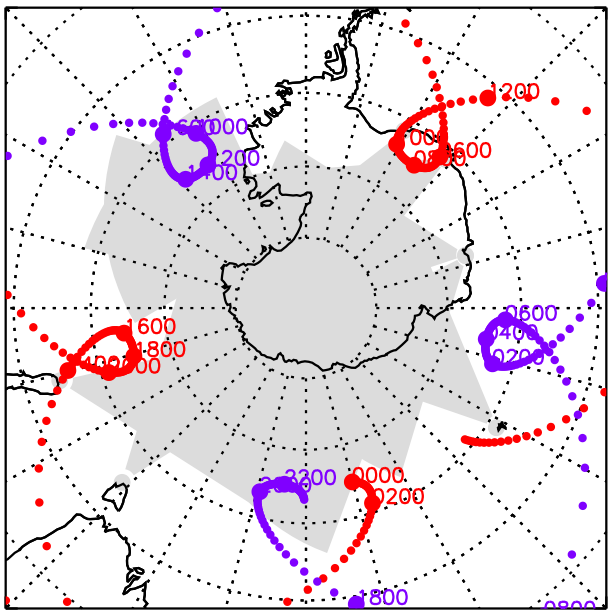


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

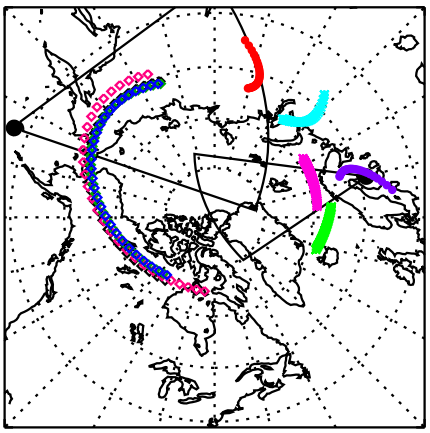
20–Aug–2014

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

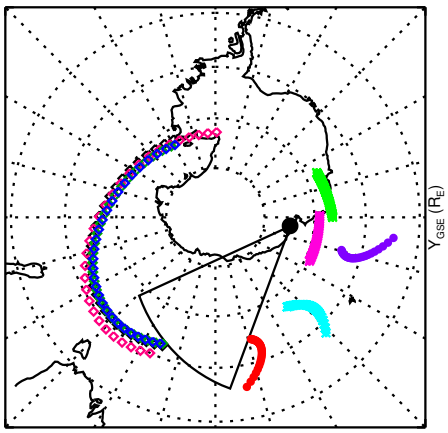


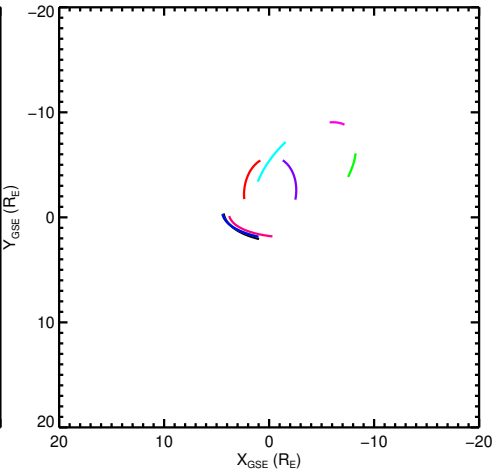


(a) 0020UT to 0250UT
adw han

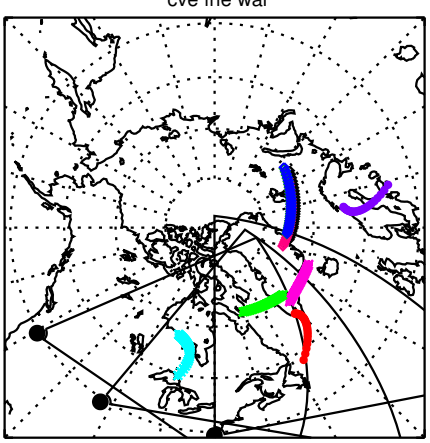


zho

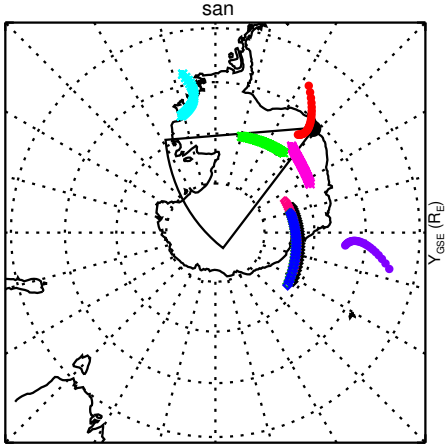


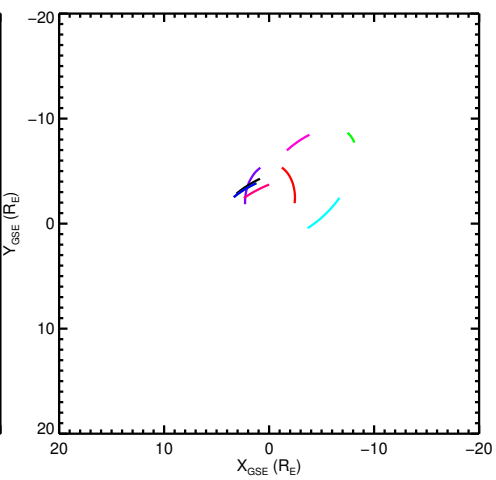


(b) 0500UT to 0715UT
cve fhe wal

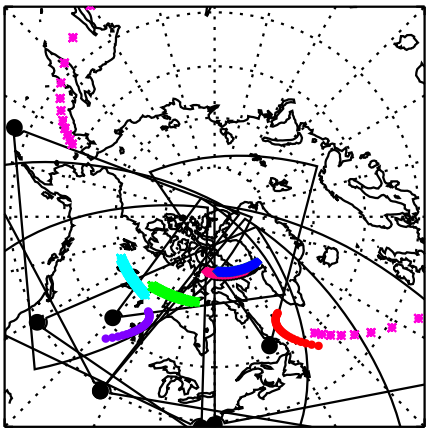


san

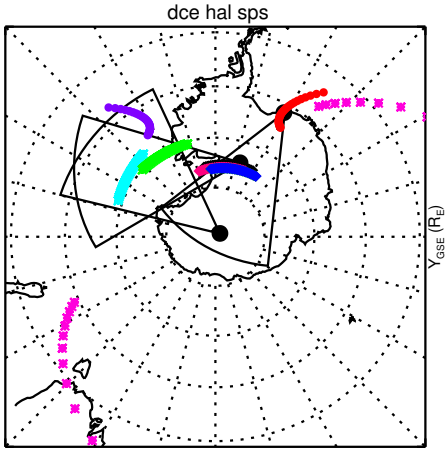


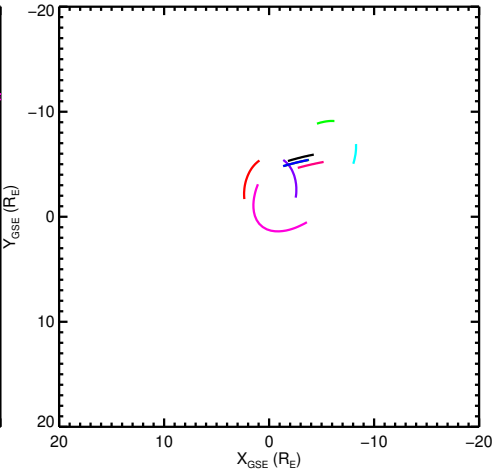


(c) 0925UT to 1150UT
ade bks cve fhe fhw gbr sas wal

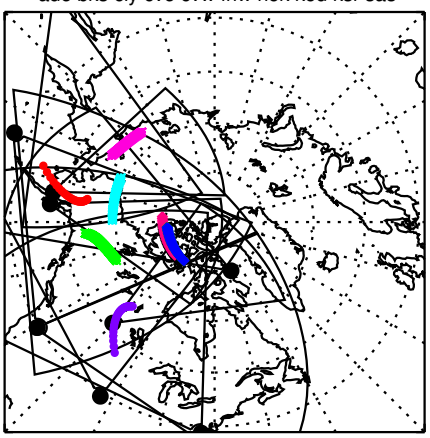


dce hal sps

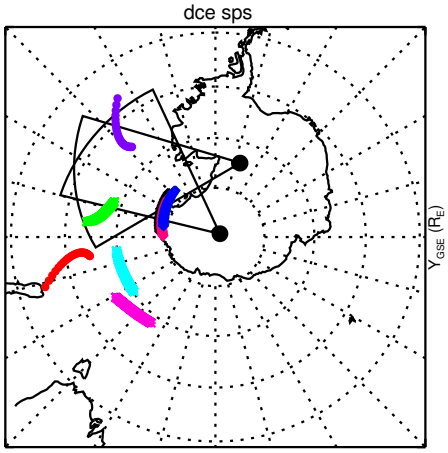


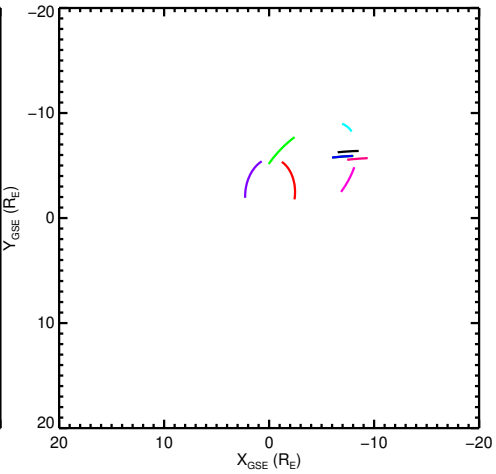


(d) 1355UT to 1615UT
ade bks cly cve cvw fhw hok kod ksr sas

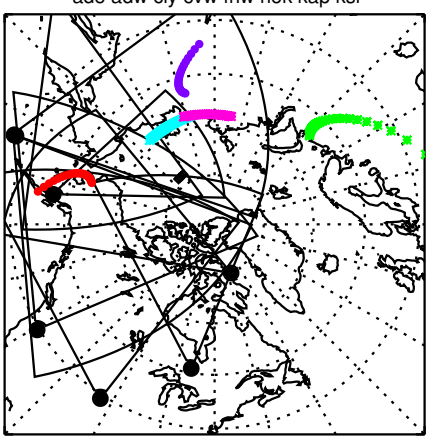


dce sps

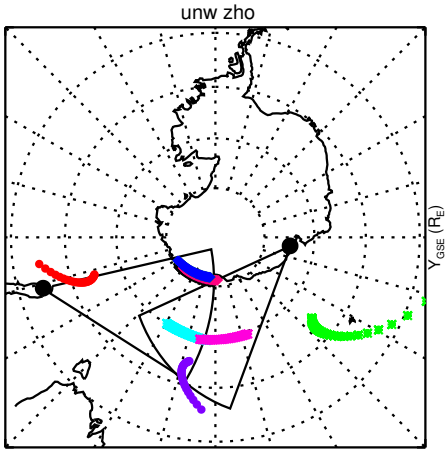


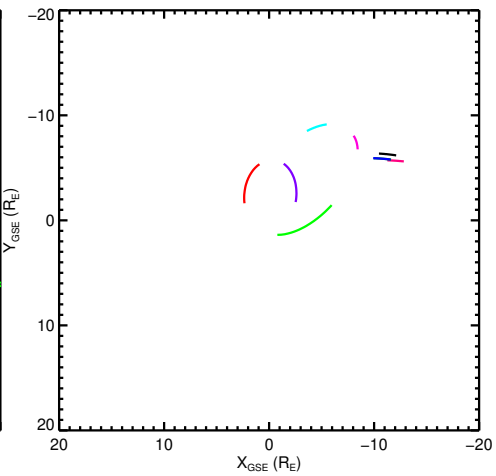


(e) 1825UT to 2050UT
ade adw cly cvw fhw hok kap ksr

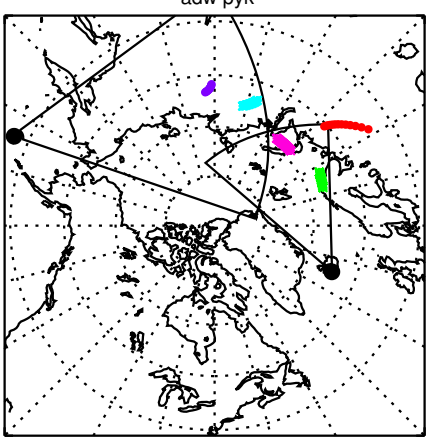


unw zho

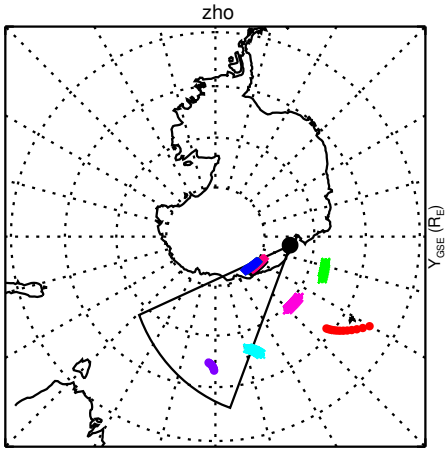


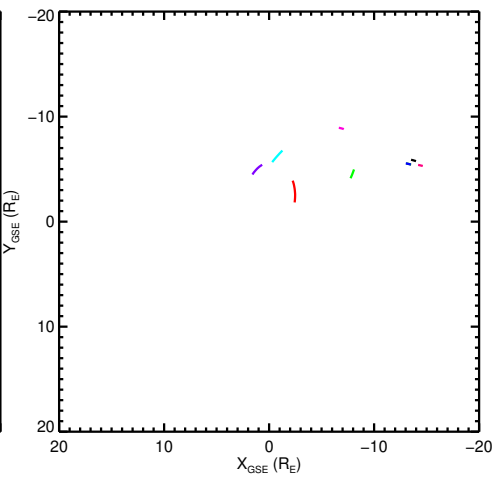


(f) 2255UT to 2355UT
adw pyk



zho

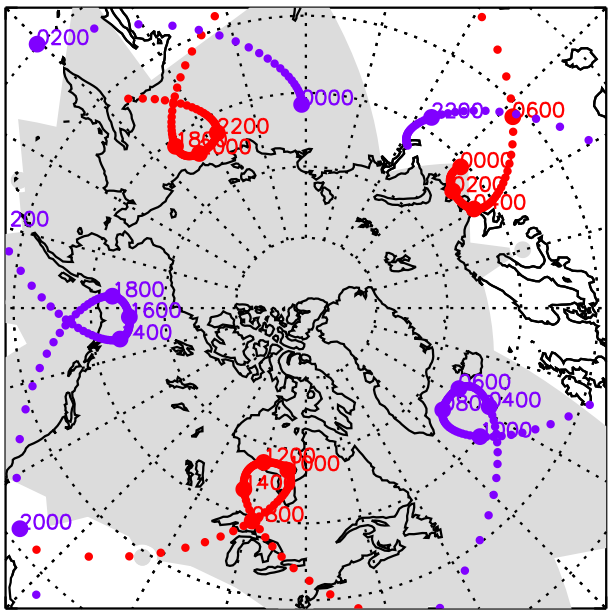


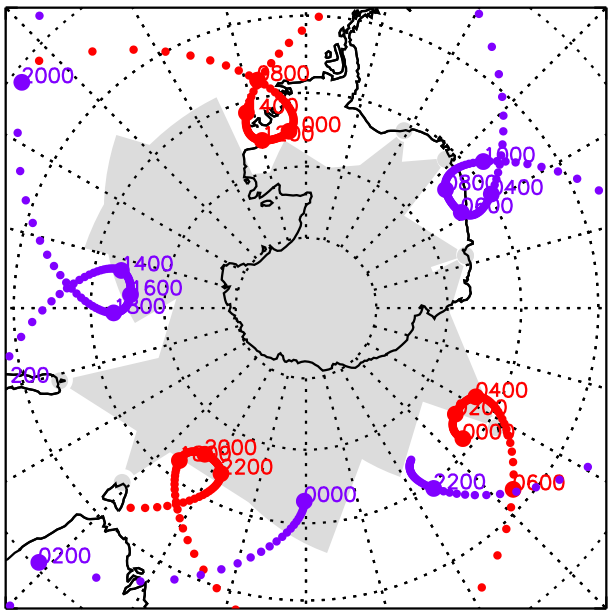


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

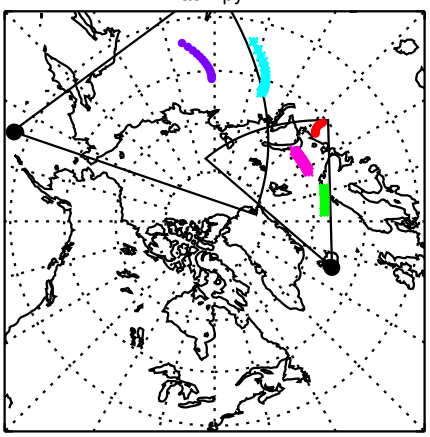
21−Aug−2014

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

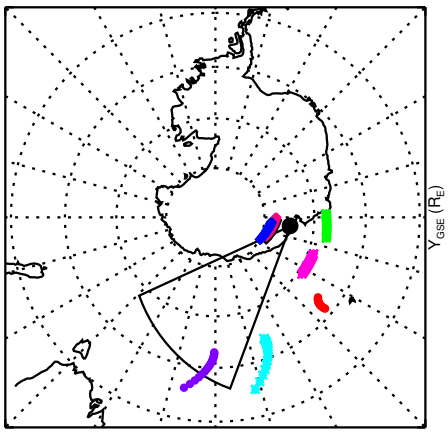


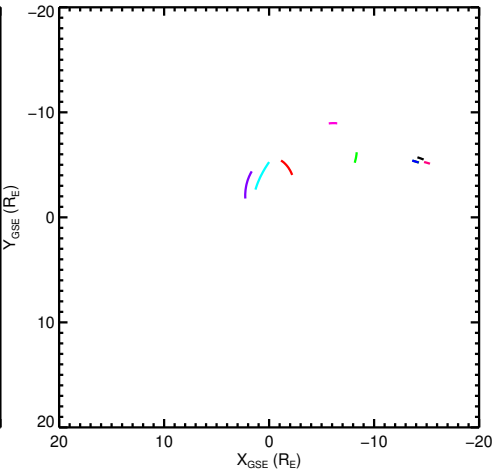


(a) 0000UT to 0120UT
adw pyk

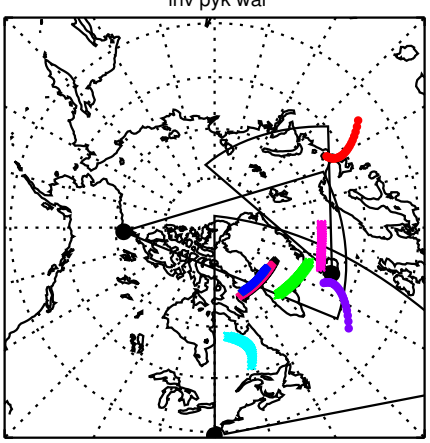


zho

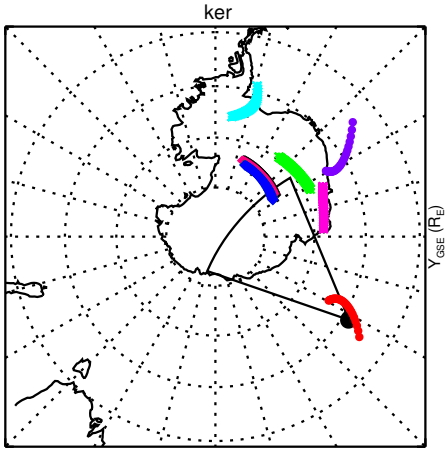


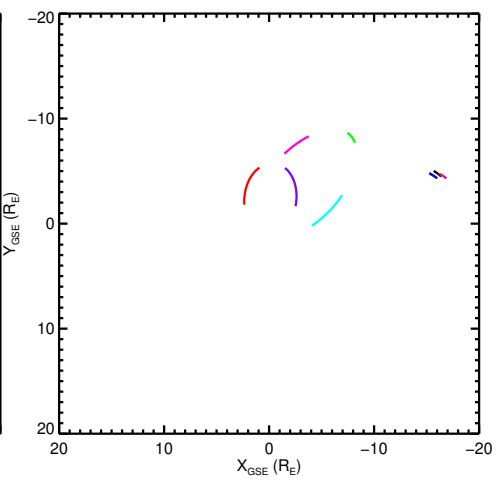


(b) 0325UT to 0545UT
inv pyk wal

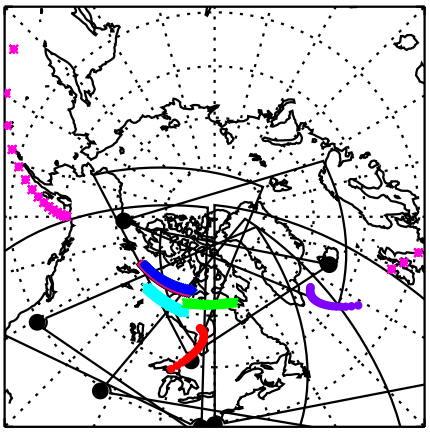


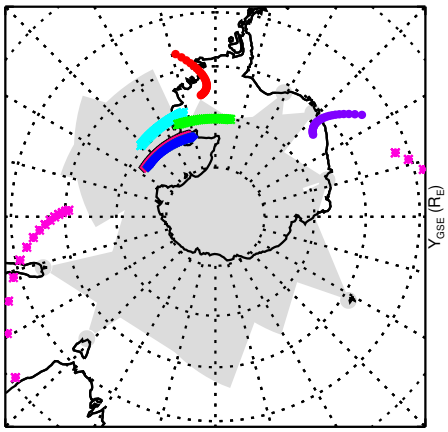
ker

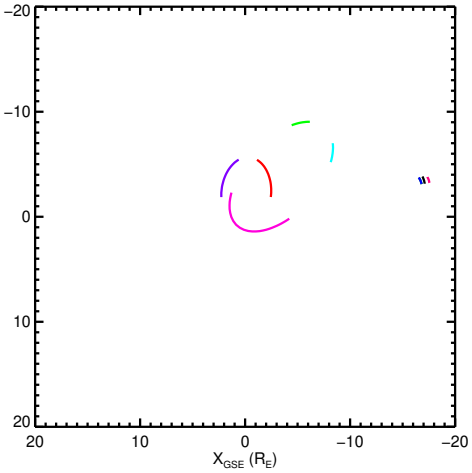




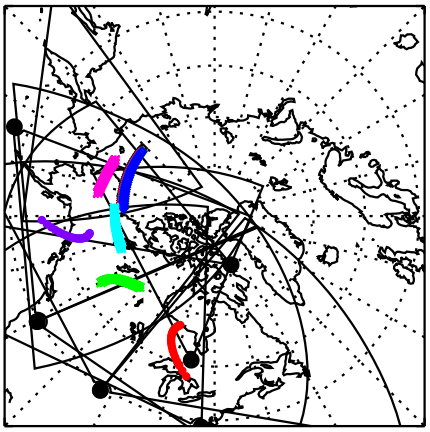
(c) 0755UT to 1020UT
bks cve fhe inv kap sto wal



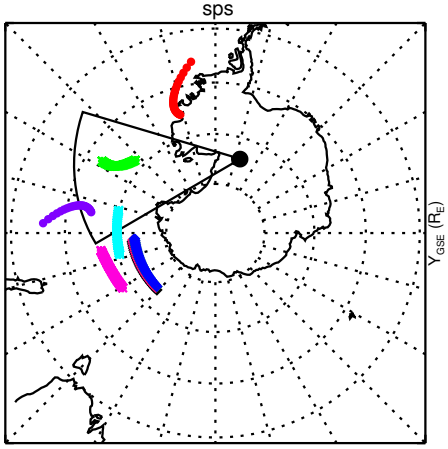


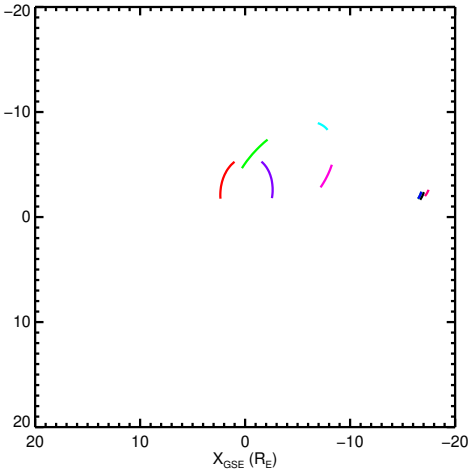


(d) 1230UT to 1445UT
ade bks cly cve cvw fhe fhw hok kap

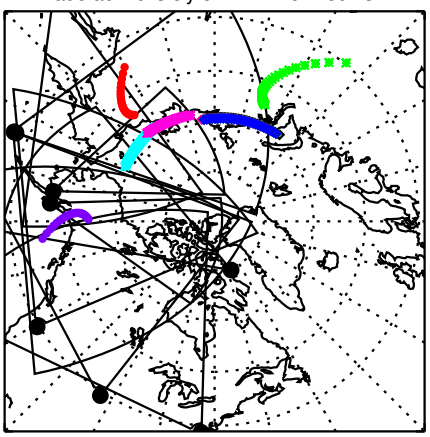


sps

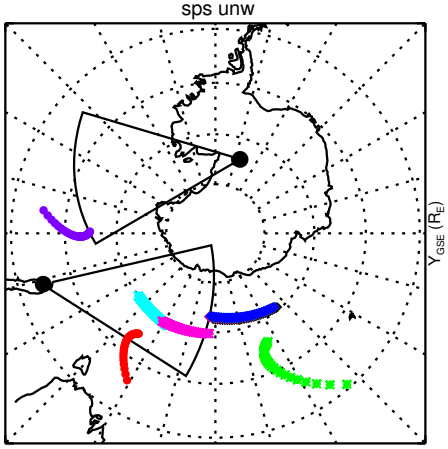


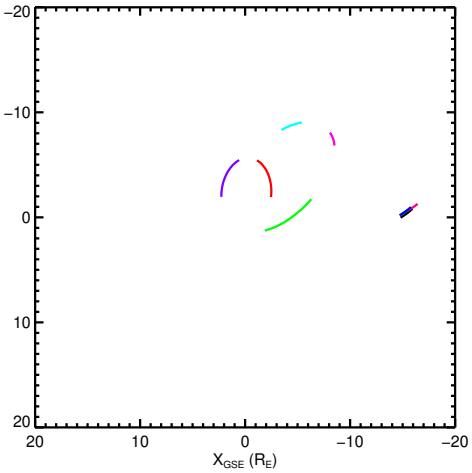


(e) 1655UT to 1920UT
ade adw bks cly cvw fhw hok kod ksr

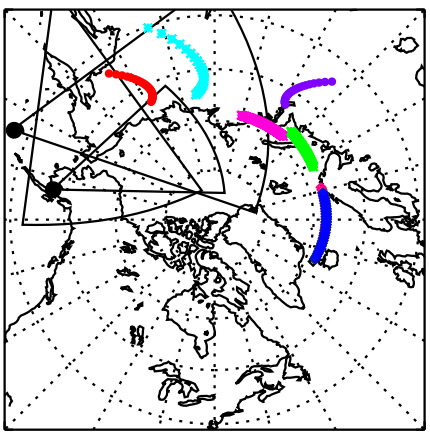


sps unw

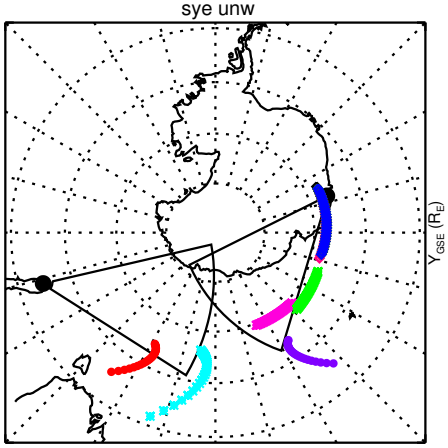


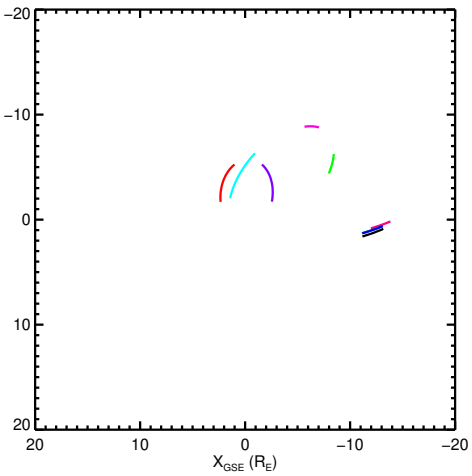


(f) 2130UT to 2345UT
adw hok ksr



sye unw

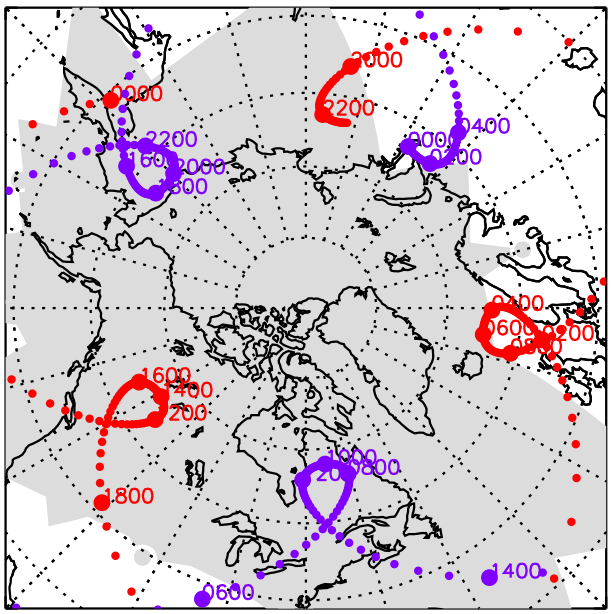


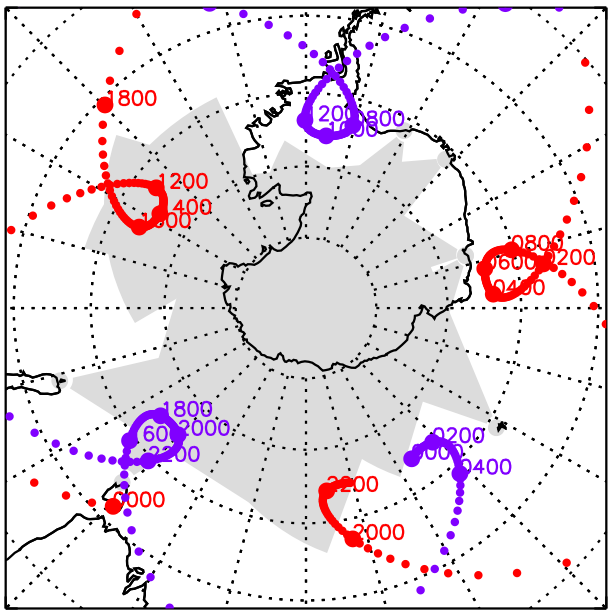


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

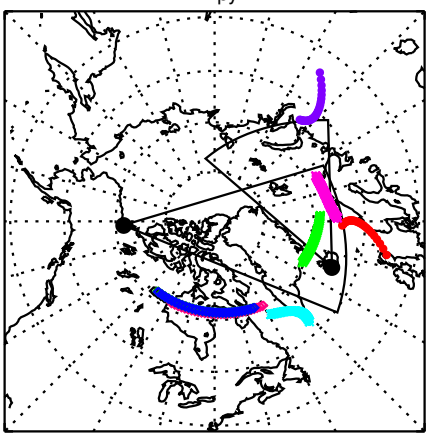
22–Aug–2014

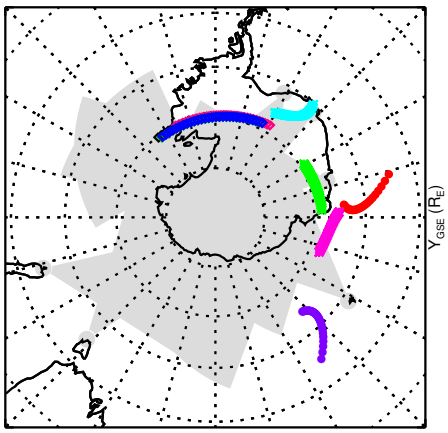
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

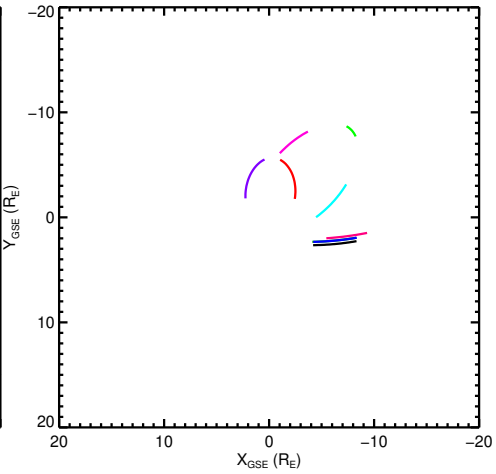




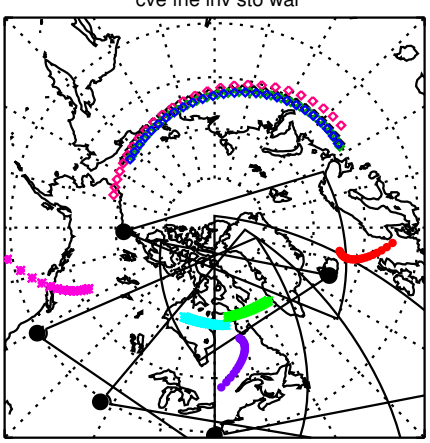
(a) 0150UT to 0425UT
inv pyk

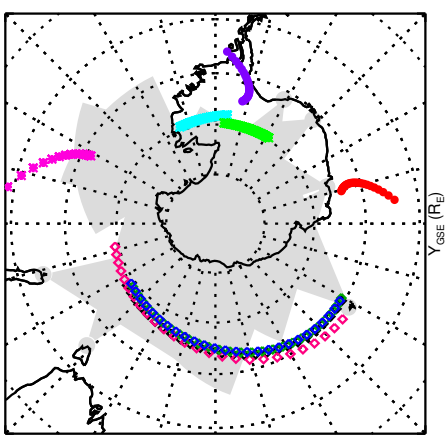


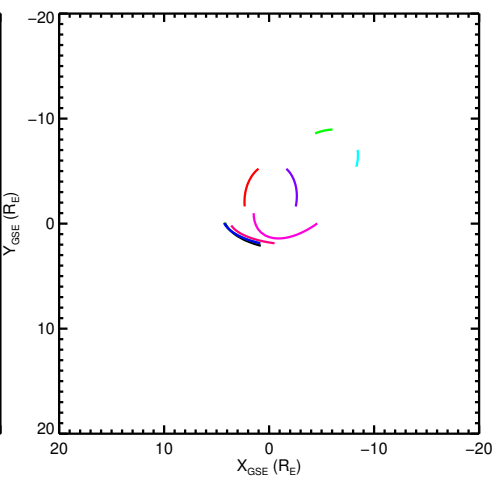




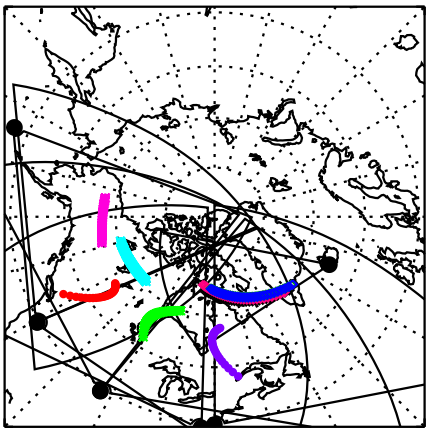
(b) 0630UT to 0845UT
cve fhe inv sto wal



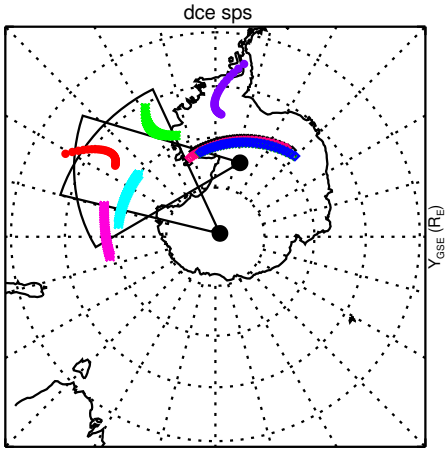


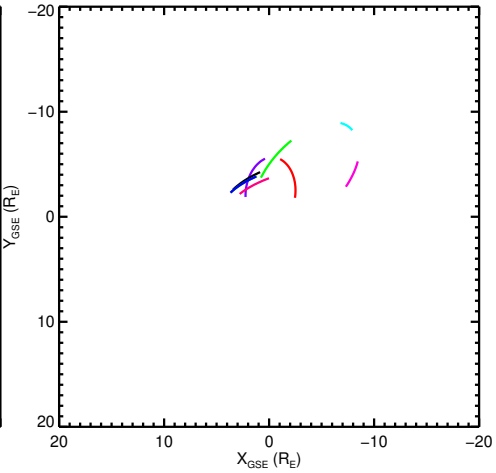


(c) 1050UT to 1325UT
ade bks cve cvw fhe fhw sto wal

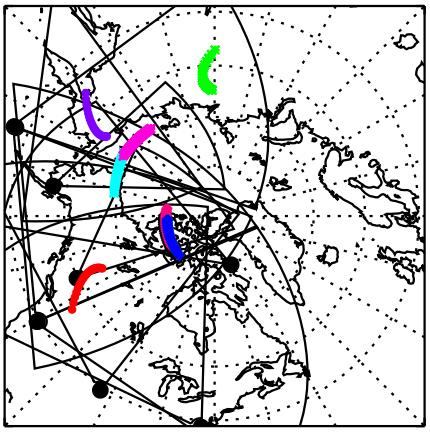


dce sps

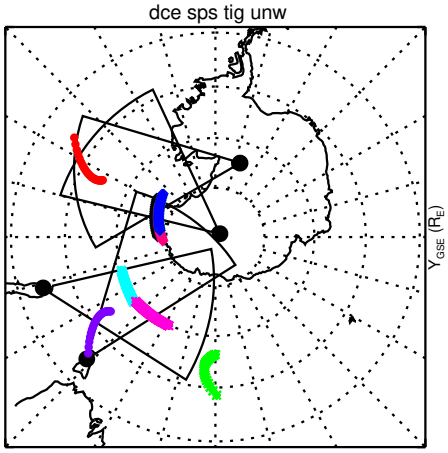


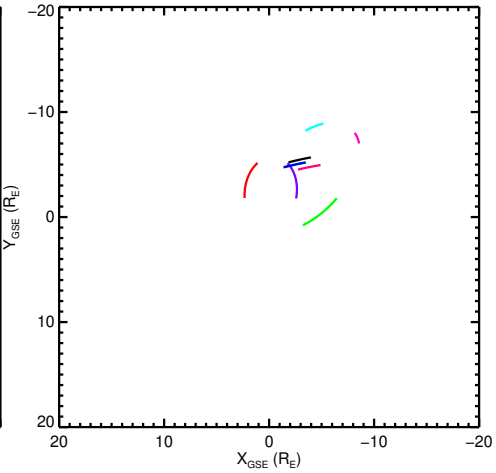


(d) 1535UT to 1740UT
ade adw bks cly cve cvw fhw hok ksr pgr

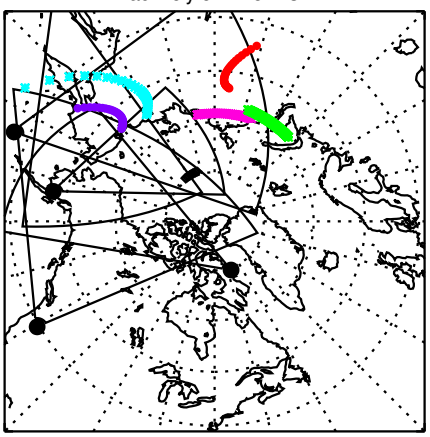


dce sps tig unw

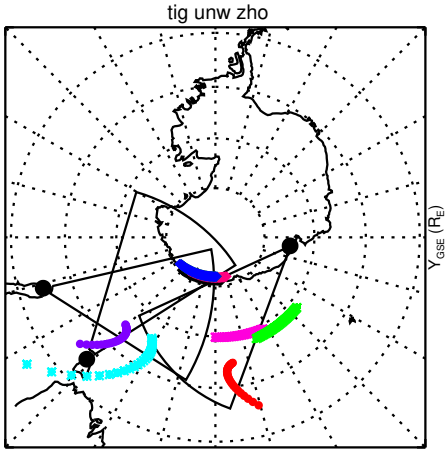


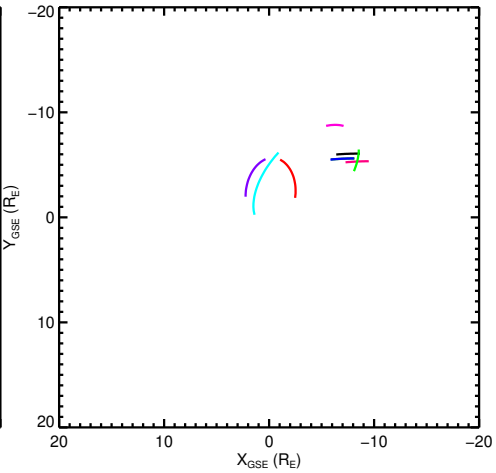


(e) 1950UT to 2225UT
adw cly cvw hok ksr



tig unw zho

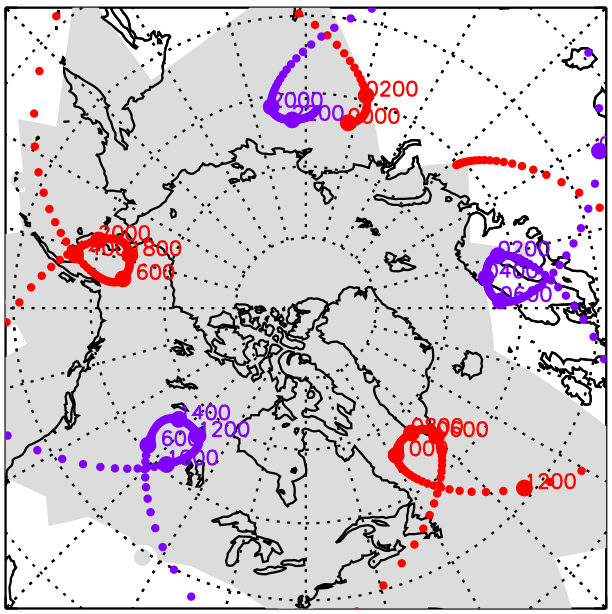


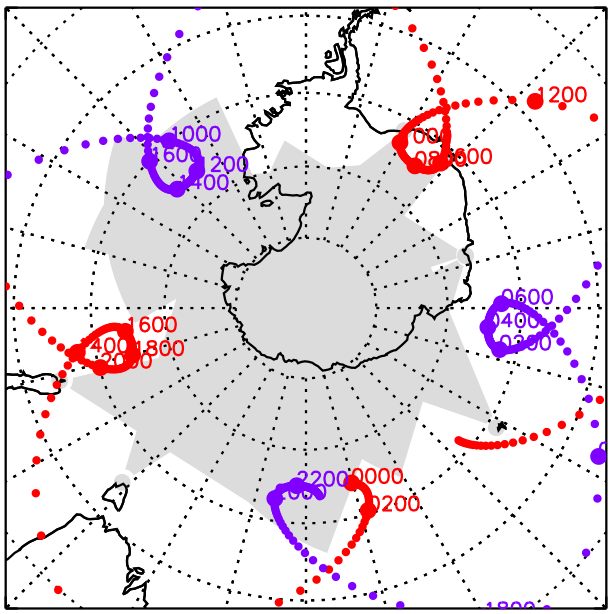


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

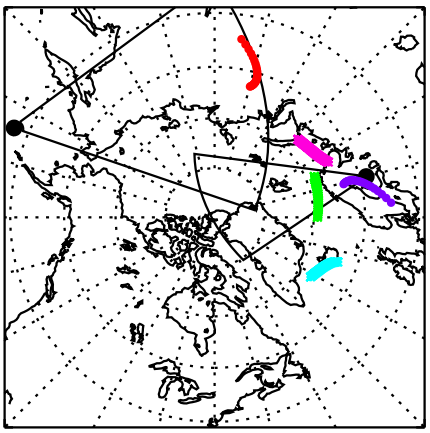
23–Aug–2014

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

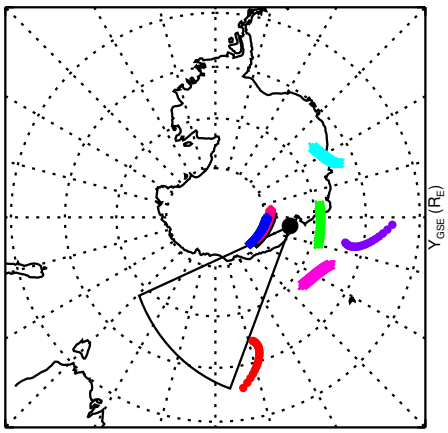


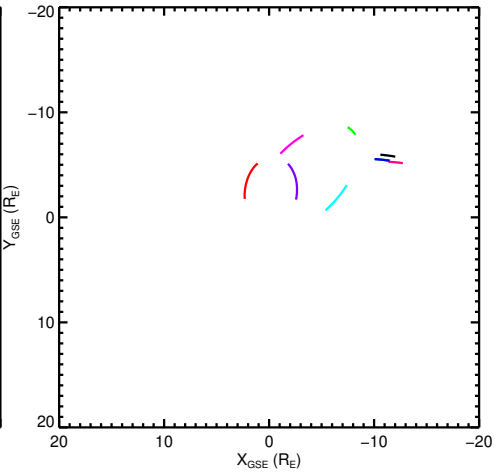


(a) 0035UT to 0240UT
adw han

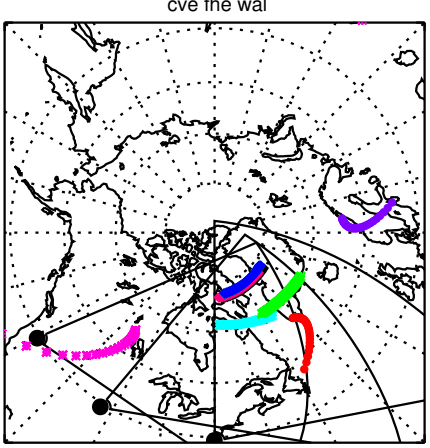


zho

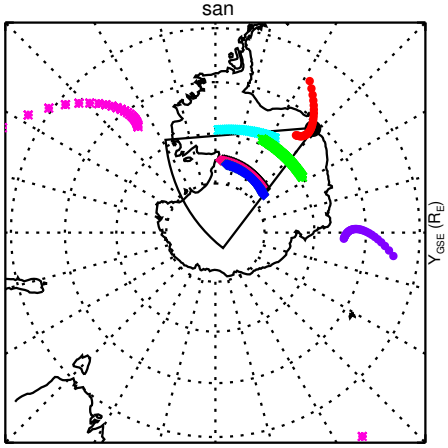


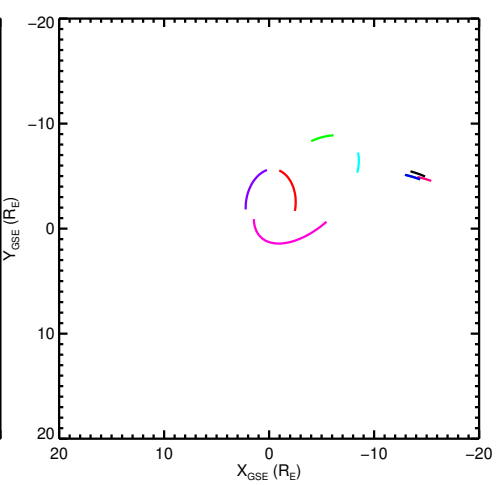


(b) 0445UT to 0730UT
cve fhe wal

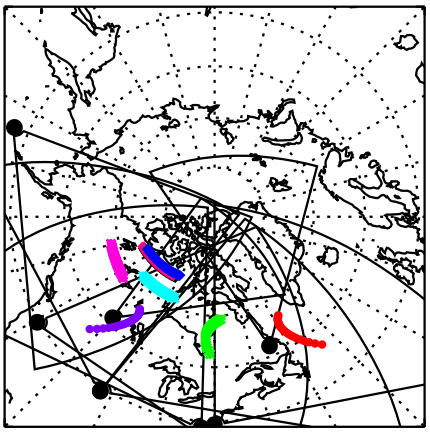


san

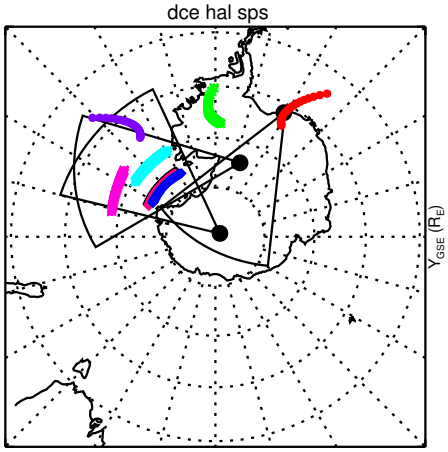


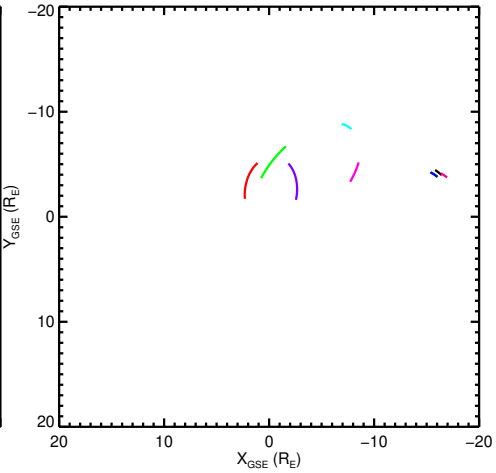


(c) 0935UT to 1140UT
ade bks cve fhe fhw gbr sas wal

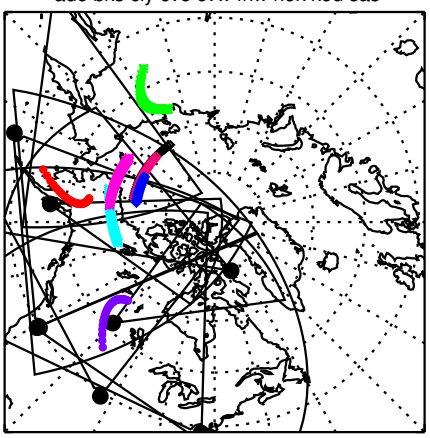


dce hal sps

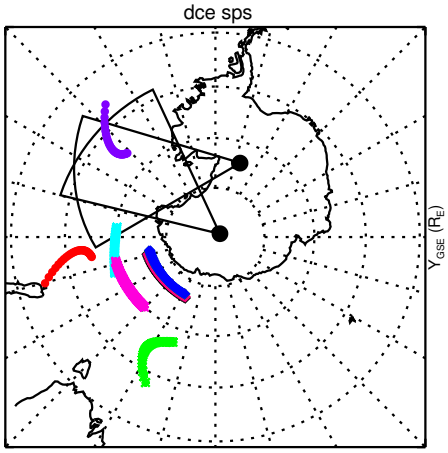


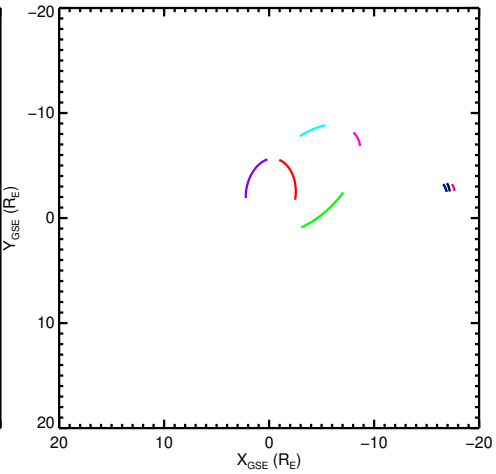


(d) 1345UT to 1630UT
ade bks cly cve cvw fhw hok kod sas

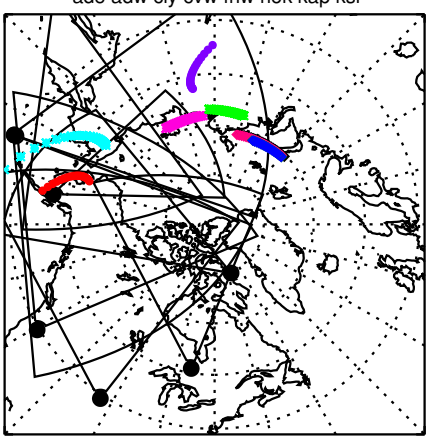


dce sps

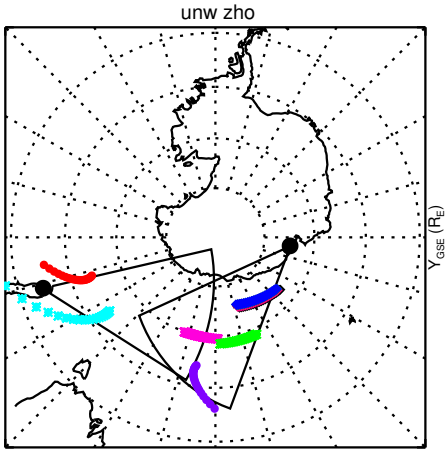


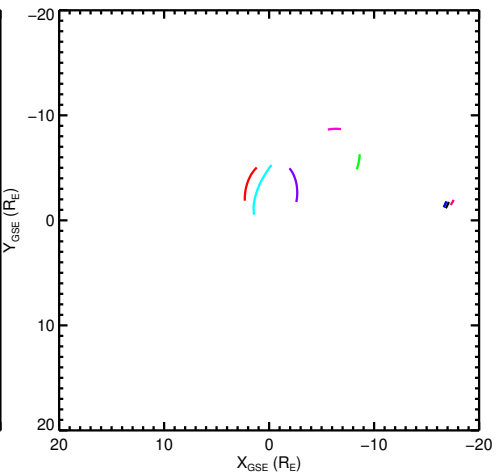


(e) 1840UT to 2035UT
ade adw cly cvw fhw hok kap ksr

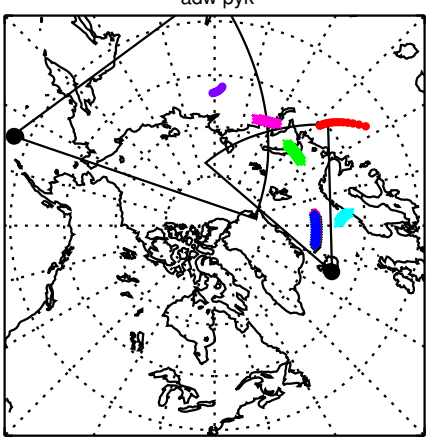


unw zho

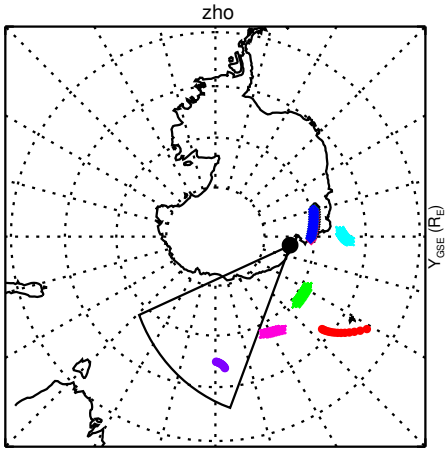


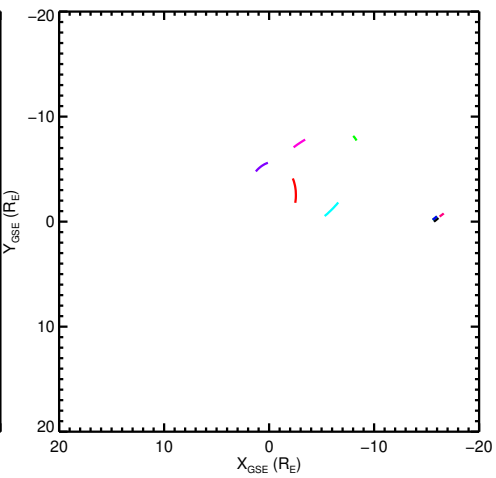


(f) 2245UT to 2355UT
adw pyk



zho

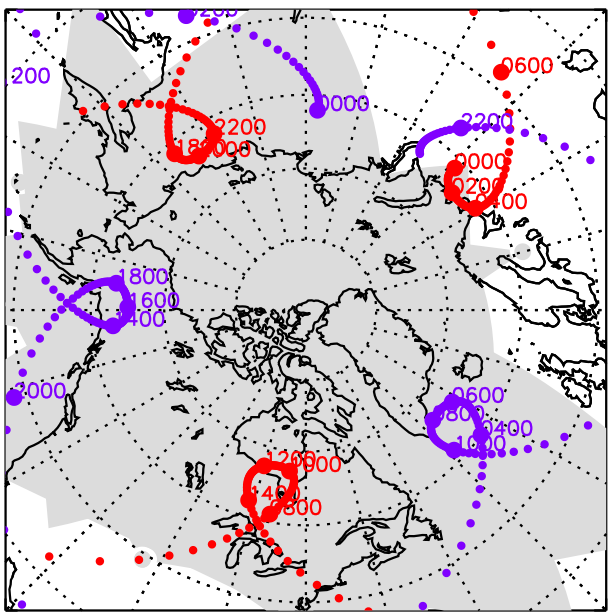


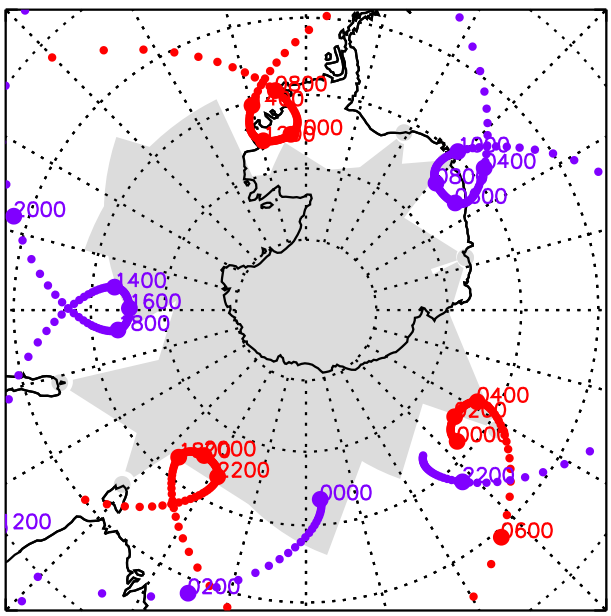


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

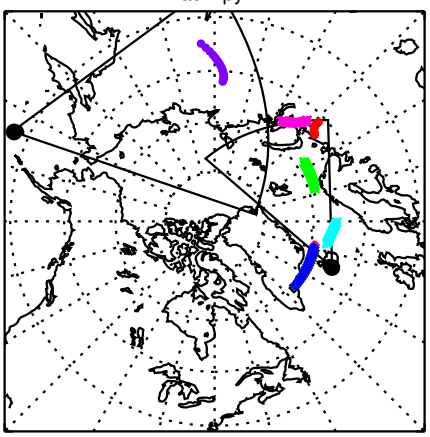
24–Aug–2014

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

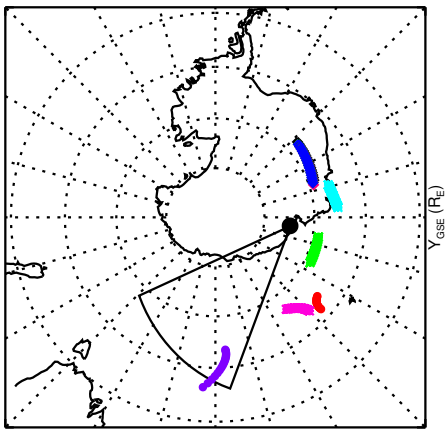


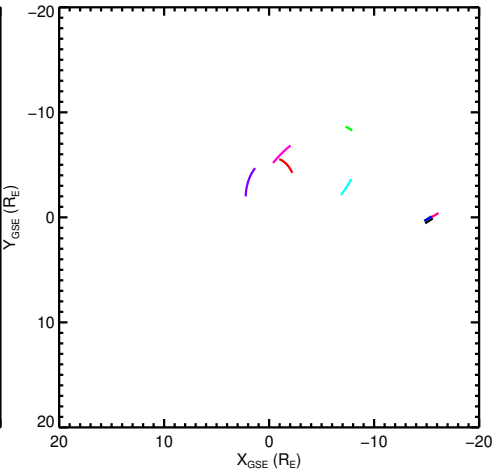


(a) 0000UT to 0130UT
adw pyk

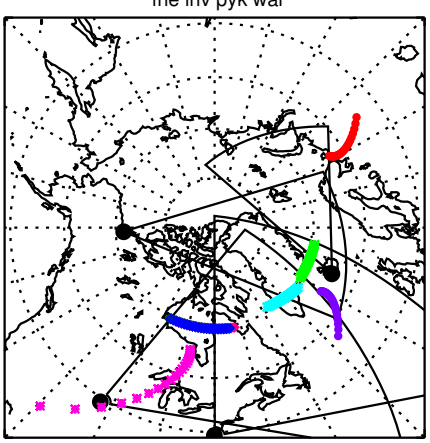


zho

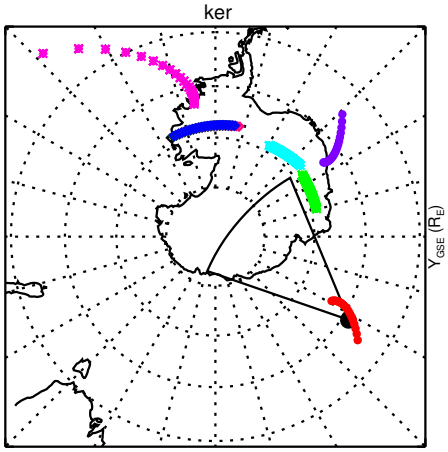


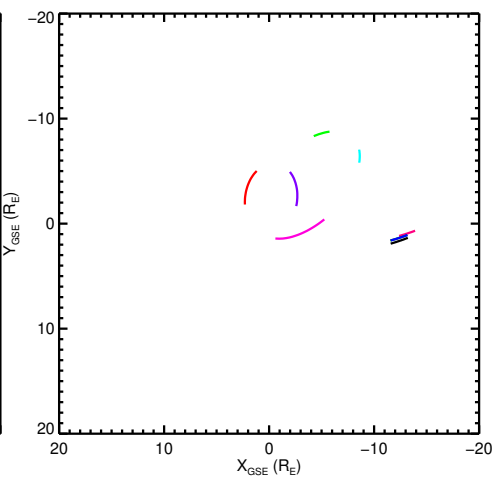


(b) 0340UT to 0535UT
fhe inv pyk wal

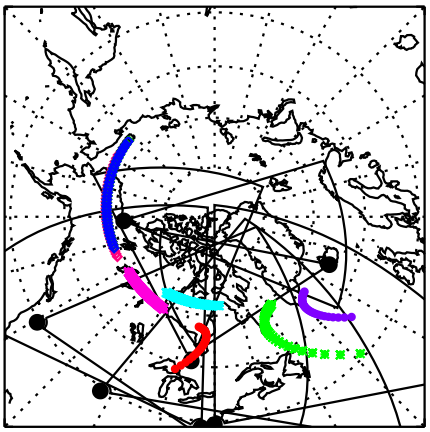


ker

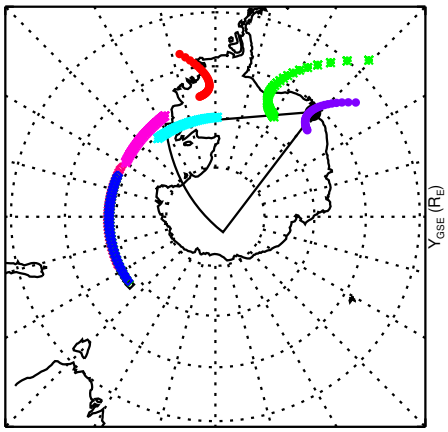


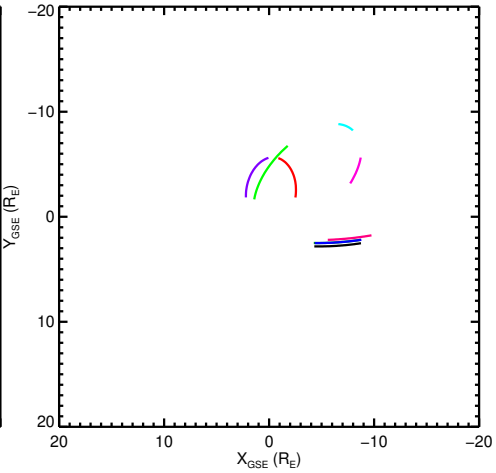


(c) 0745UT to 1035UT
bks cve fhe inv kap sto wal

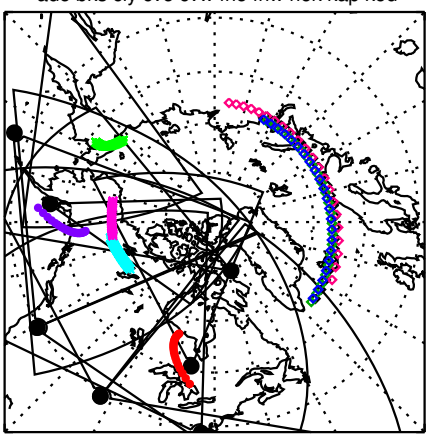


san

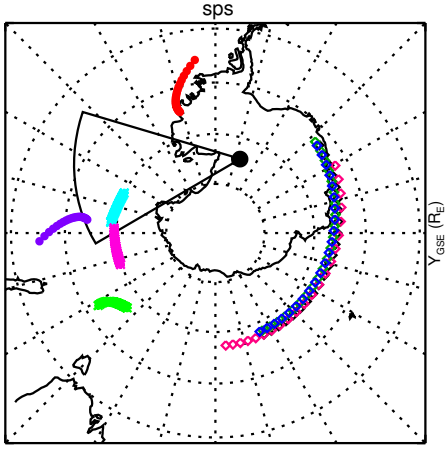


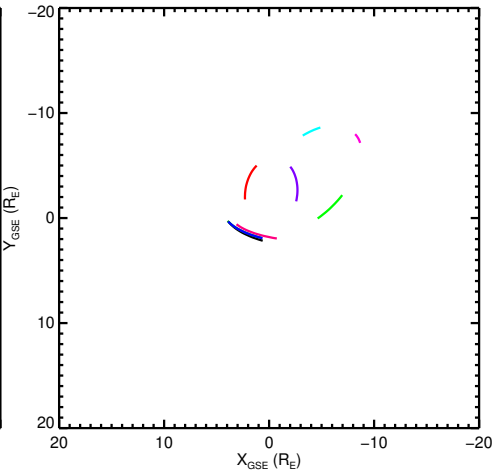


(d) 1240UT to 1435UT
ade bks cly cve cvw fhe fhw hok kap kod

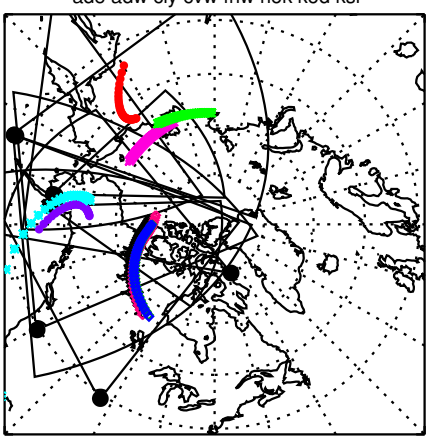


sps

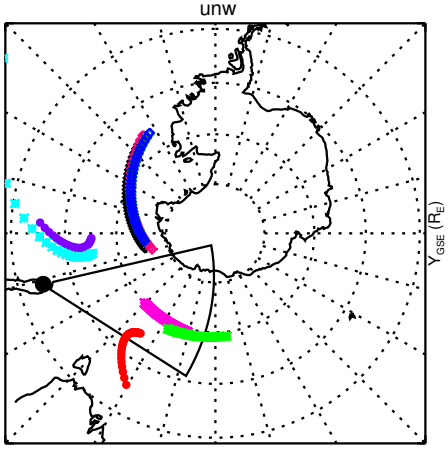


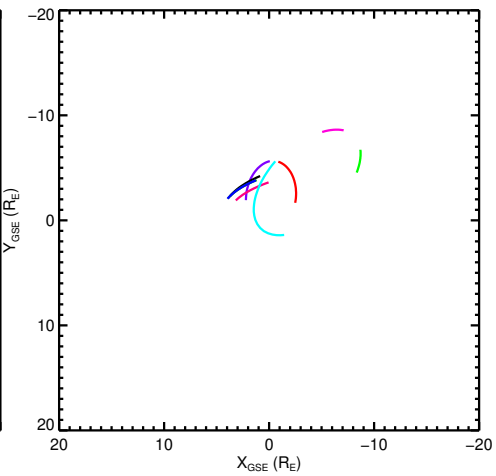


(e) 1640UT to 1935UT
ade adw cly cvw fhw hok kod ksr

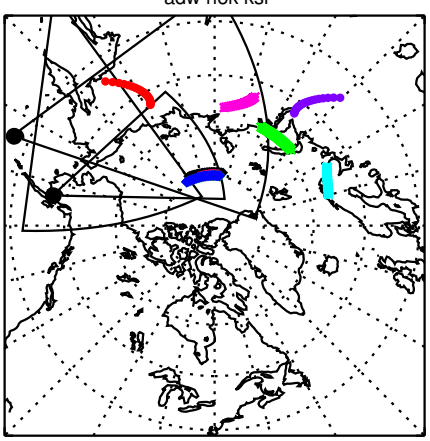


unw

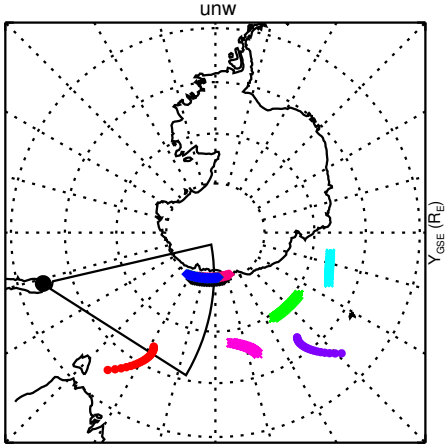


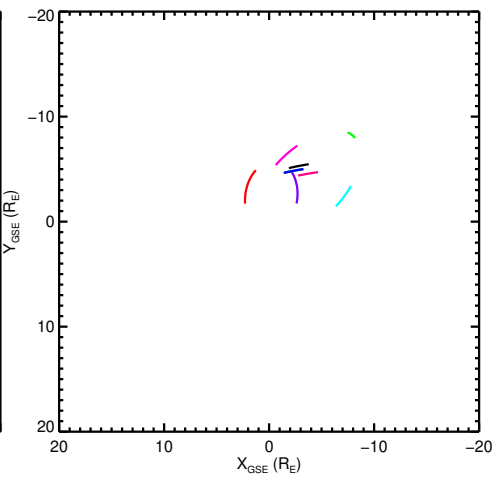


(f) 2145UT to 2335UT
adw hok ksr



unw

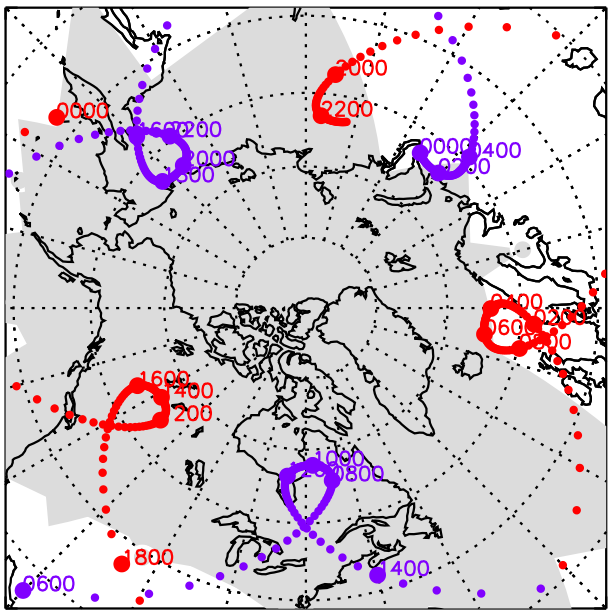


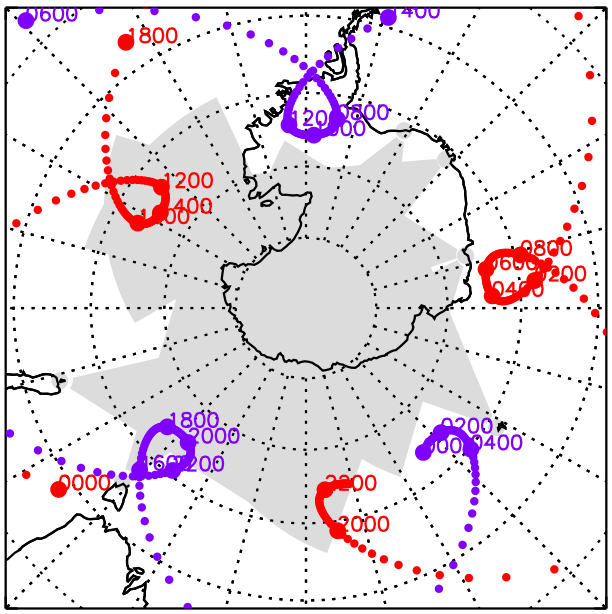


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

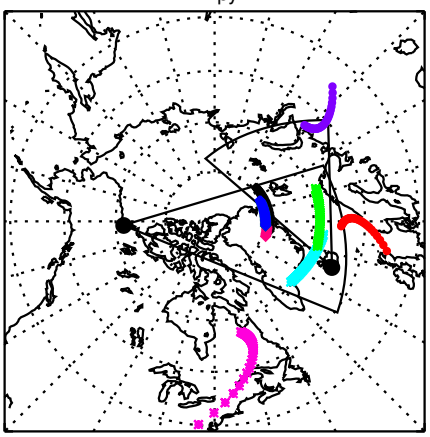
25–Aug–2014

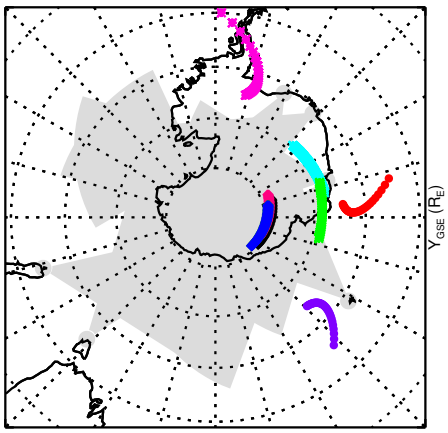
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

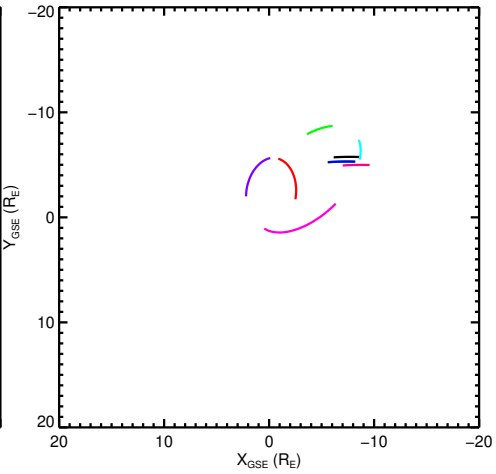




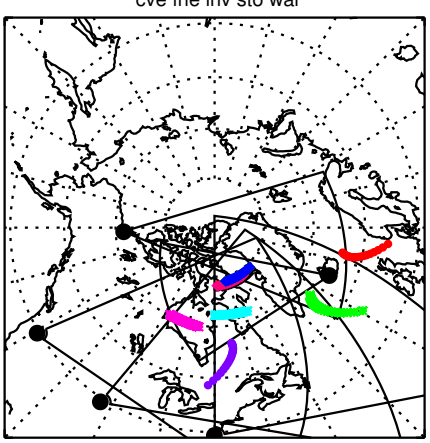
(a) 0140UT to 0435UT
inv pyk

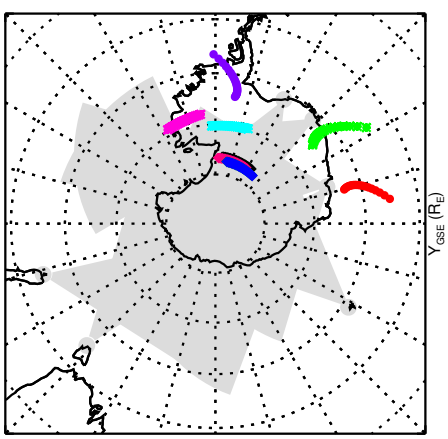


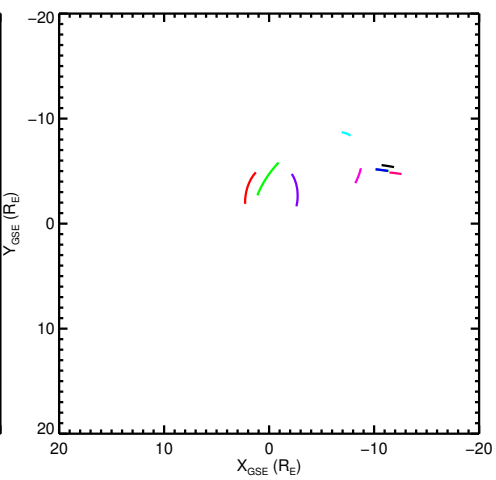




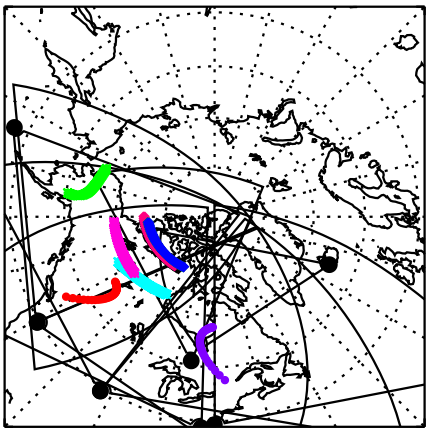
(b) 0645UT to 0830UT
cve fhe inv sto wal



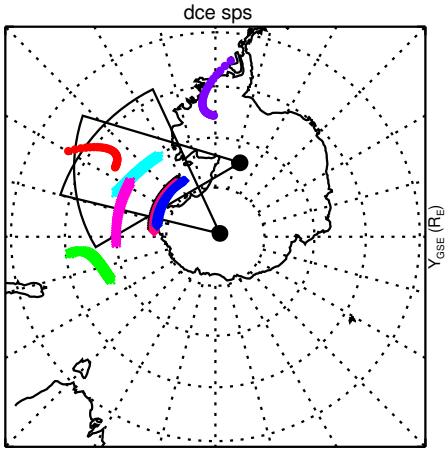


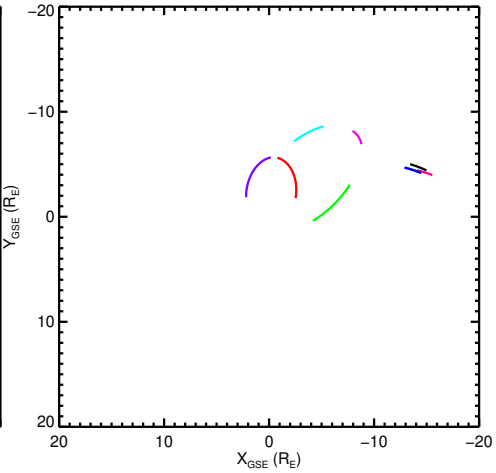


(c) 1040UT to 1340UT
ade bks cve cvw fhe fhw kap sto wal

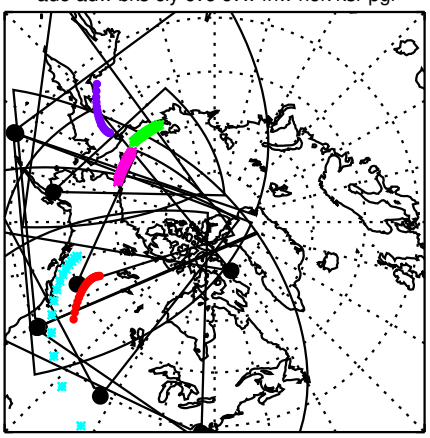


dce sps

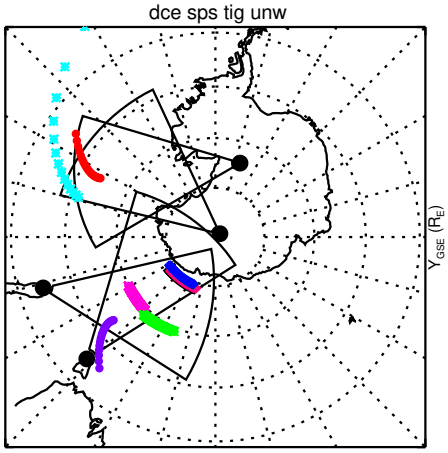


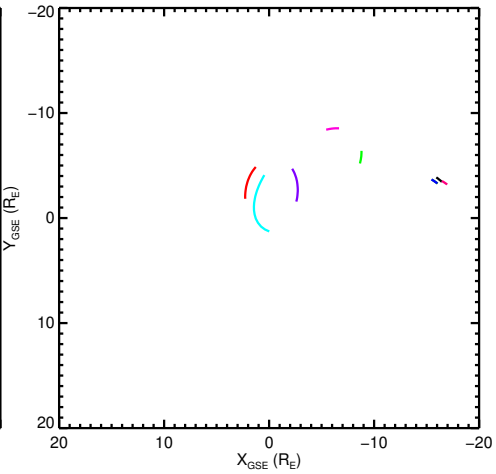


(d) 1545UT to 1730UT
ade adw bks cly cve cvw fhw hok ksr pgr

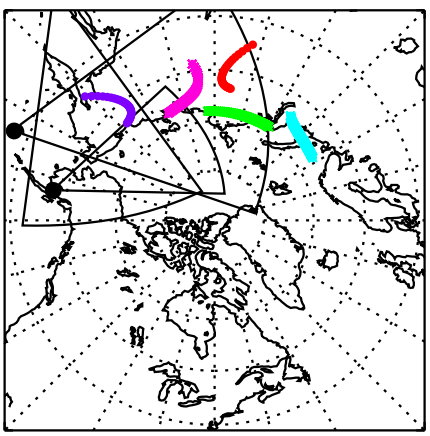


dce sps tig unw

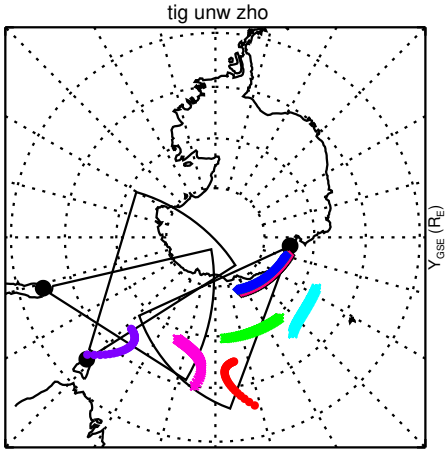


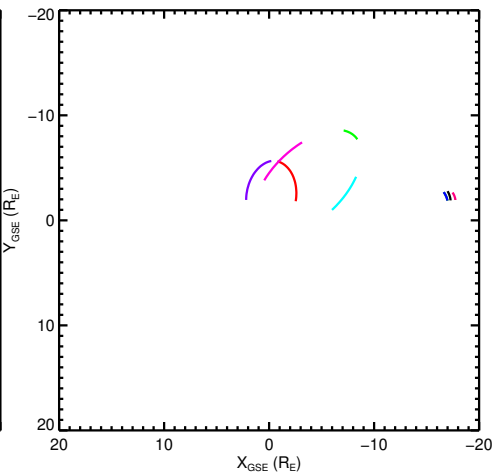


(e) 1940UT to 2240UT
adw hok ksr



tig unw zho

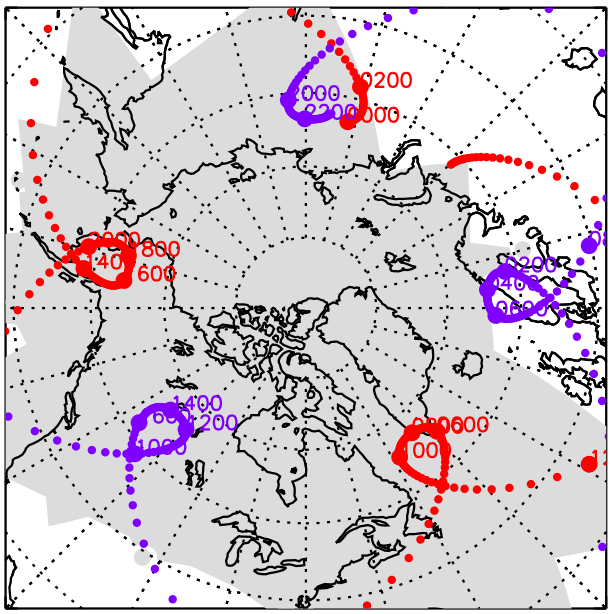


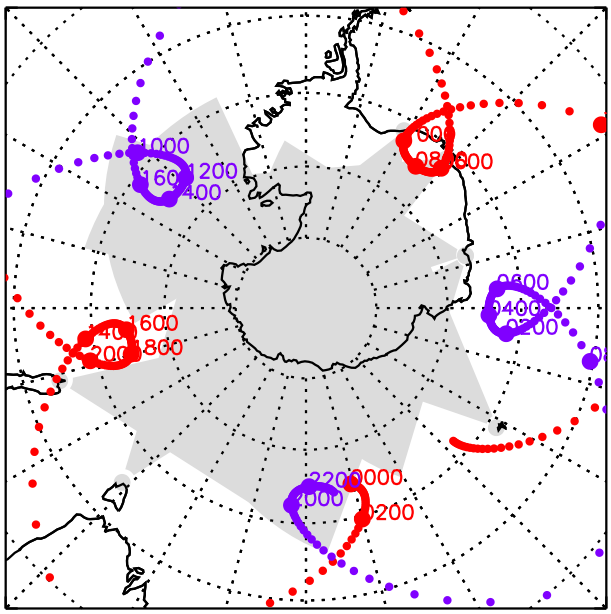


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

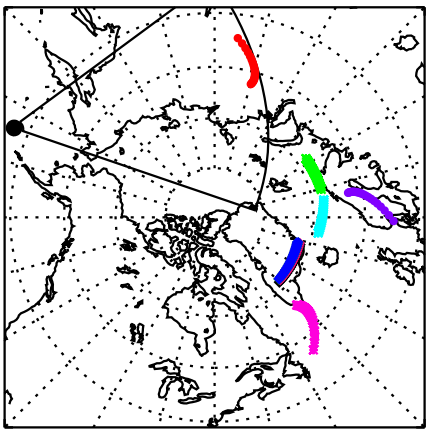
26–Aug–2014

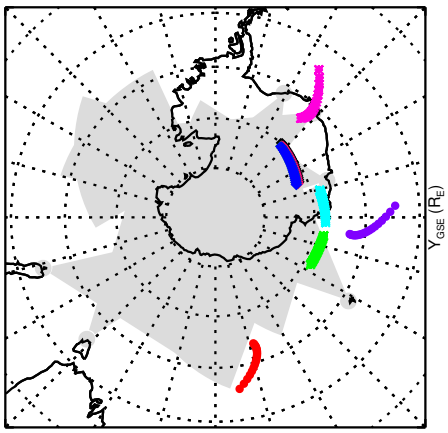
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

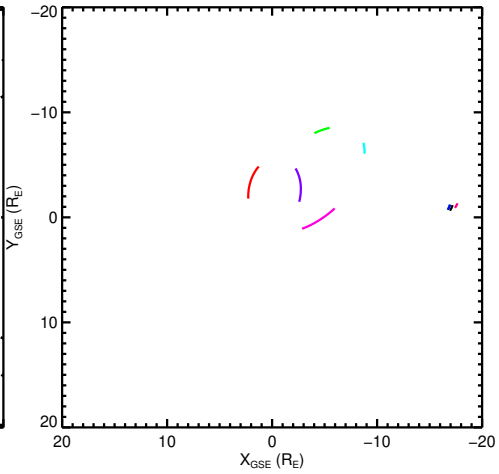




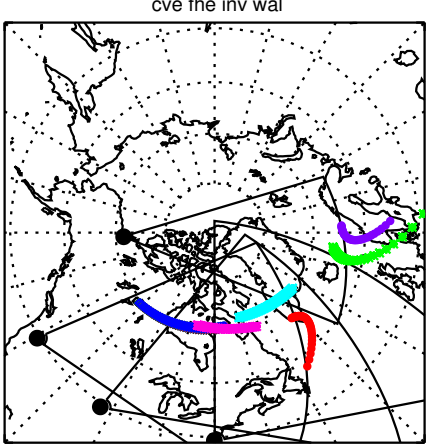
(a) 0045UT to 0230UT
adw



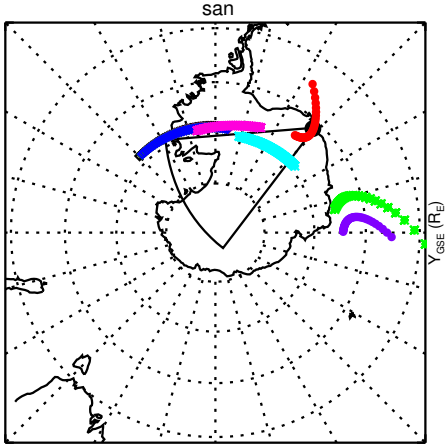


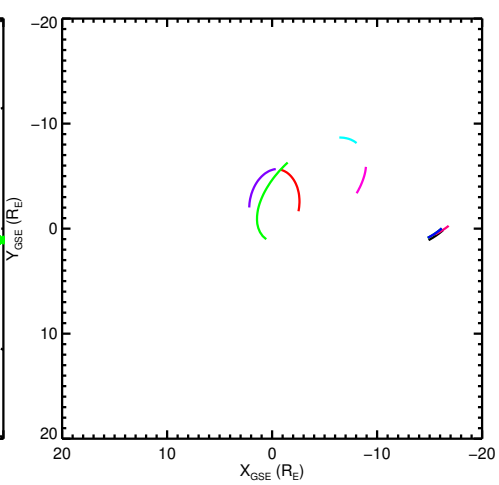


(b) 0435UT to 0740UT
cve fhe inv wal

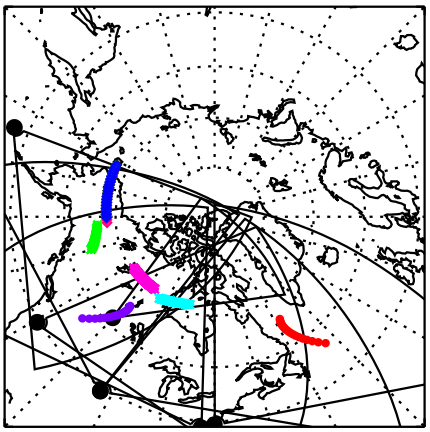


san

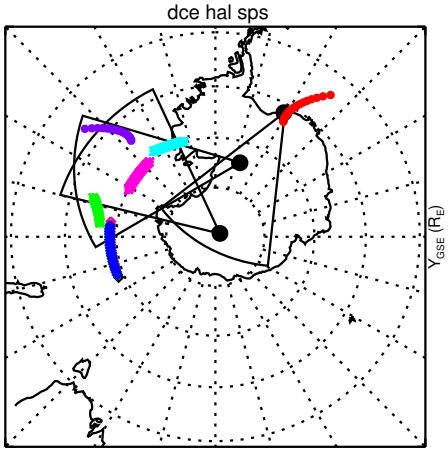


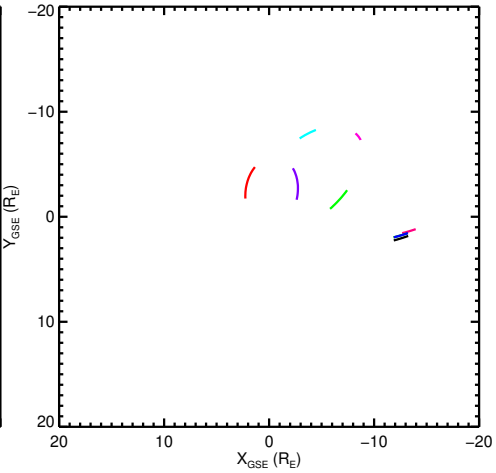


(c) 0950UT to 1130UT
ade bks cve fhe fhw sas wal

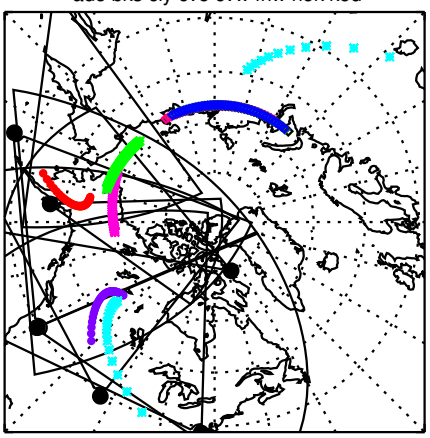


dce hal sps

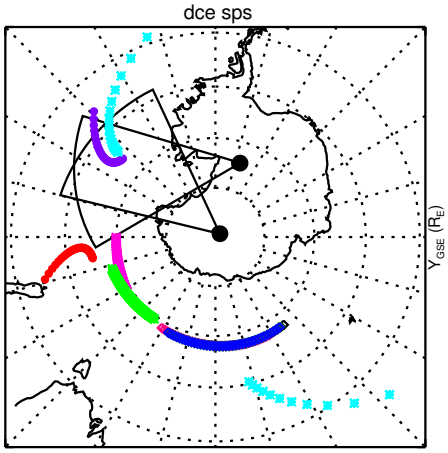


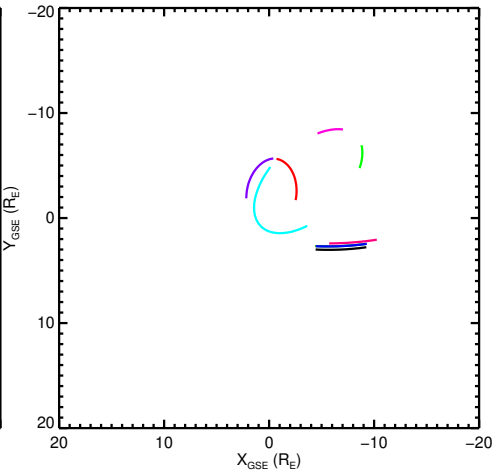


(d) 1335UT to 1645UT
ade bks cly cve cvw fhw hok kod

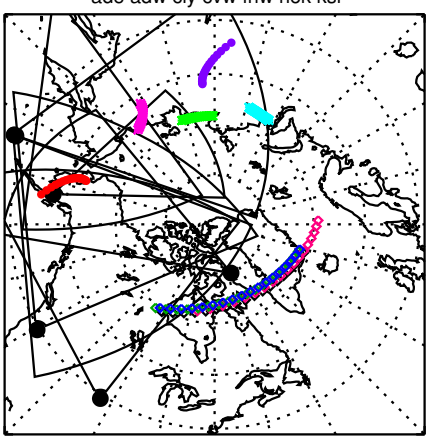


dce sps

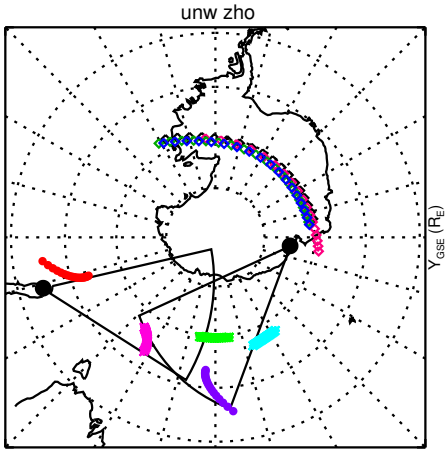


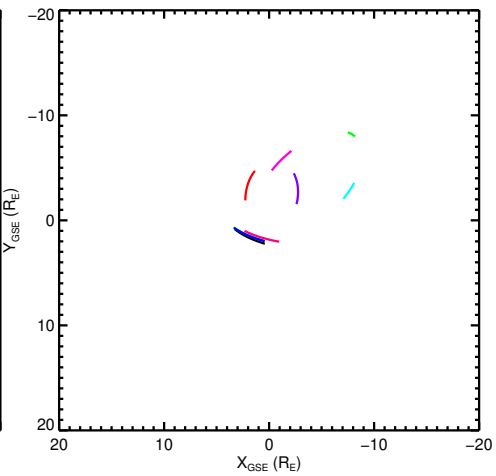


(e) 1850UT to 2025UT
ade adw cly cvw fhw hok ksr

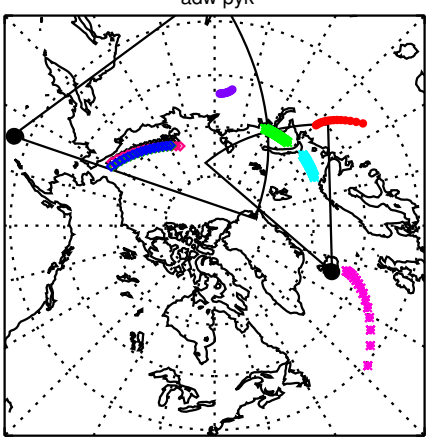


unw zho

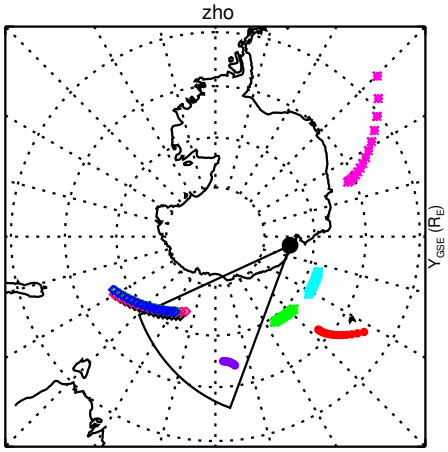


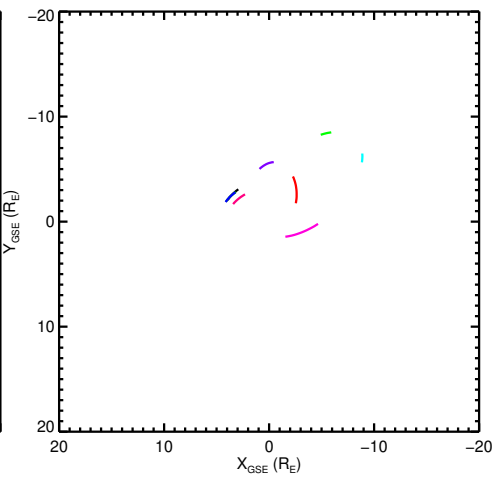


(f) 2235UT to 2355UT
adw pyk



zho

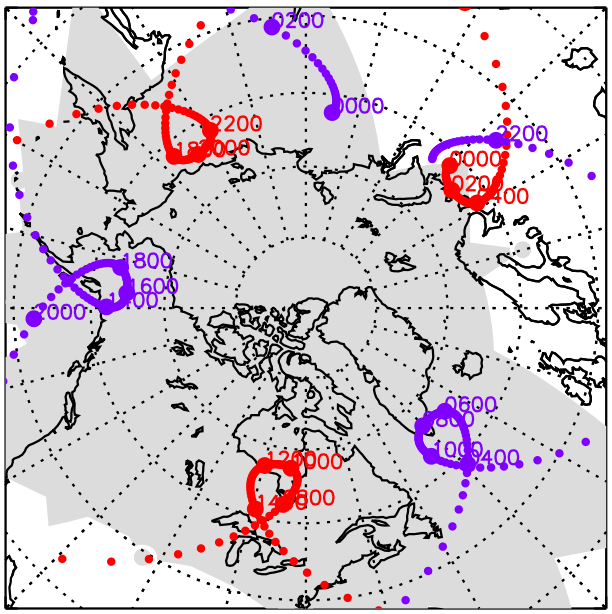


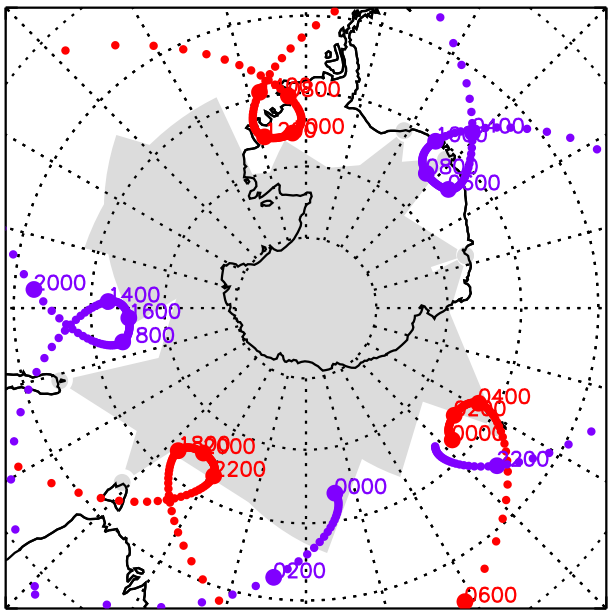


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

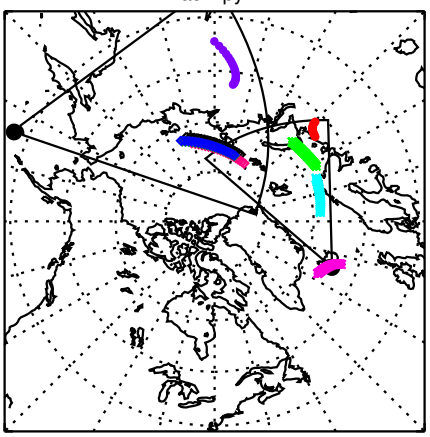
27−Aug−2014

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

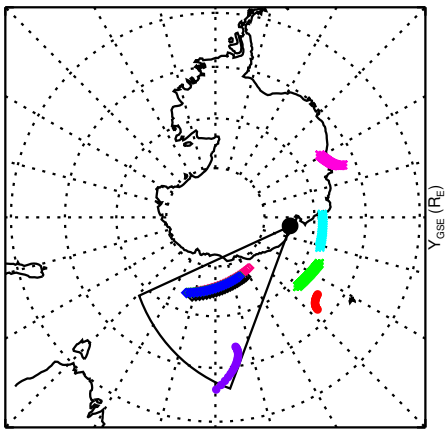


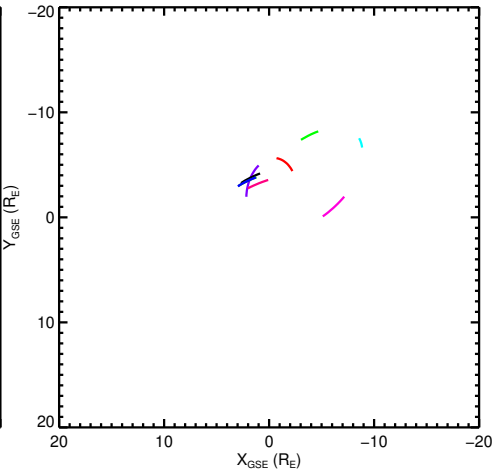


(a) 0000UT to 0145UT
adw pyk

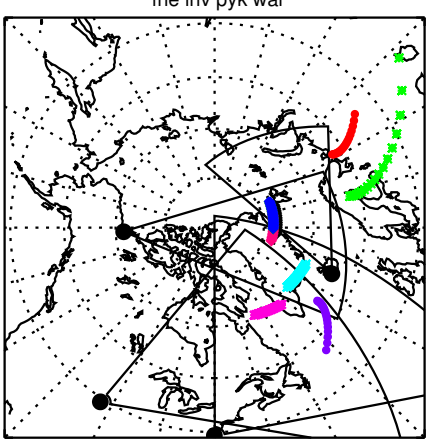


zho

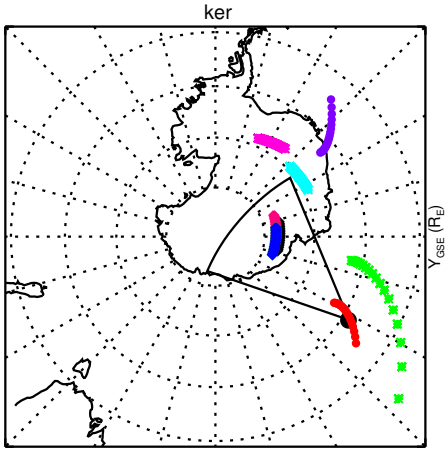


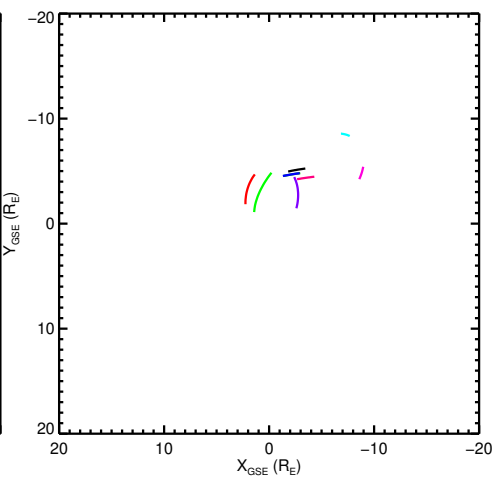


(b) 0350UT to 0525UT
fhe inv pyk wal

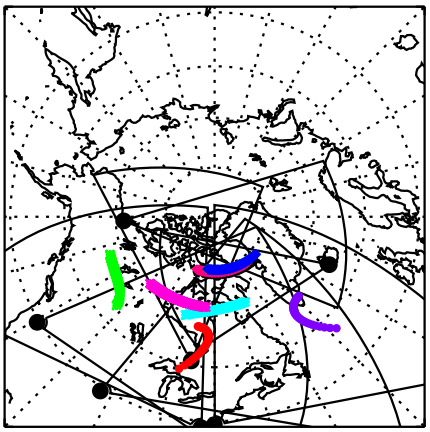


ker

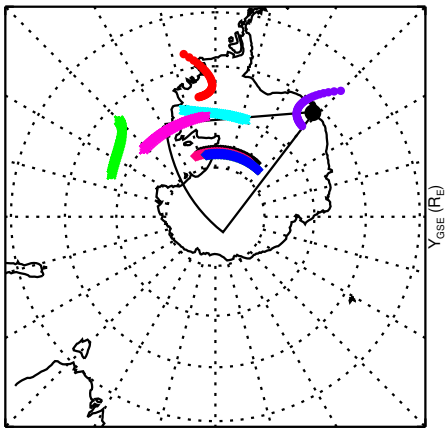


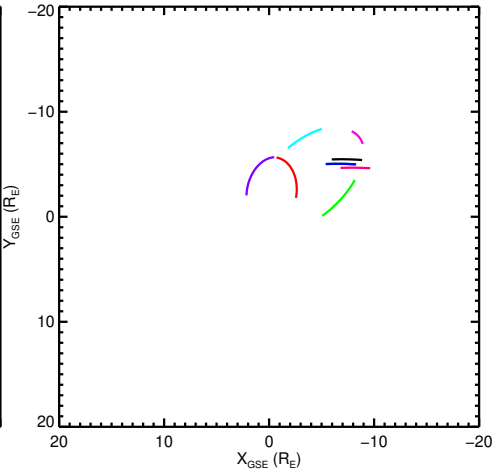


(c) 0735UT to 1045UT
bks cve fhe inv kap sto wal

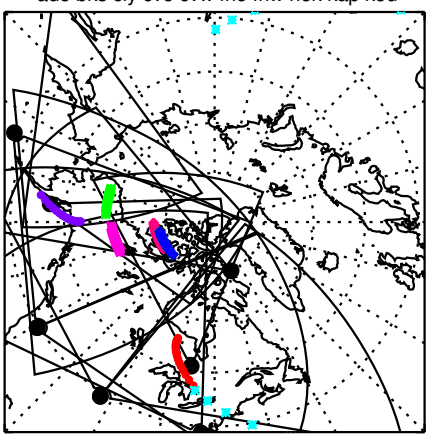


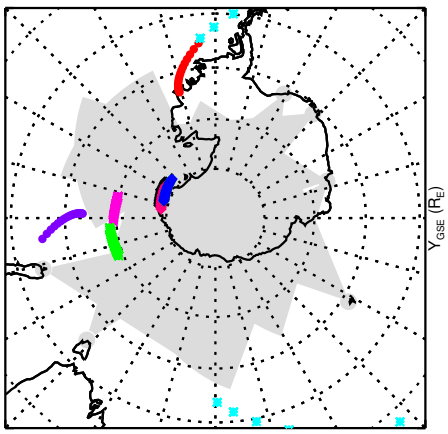
san

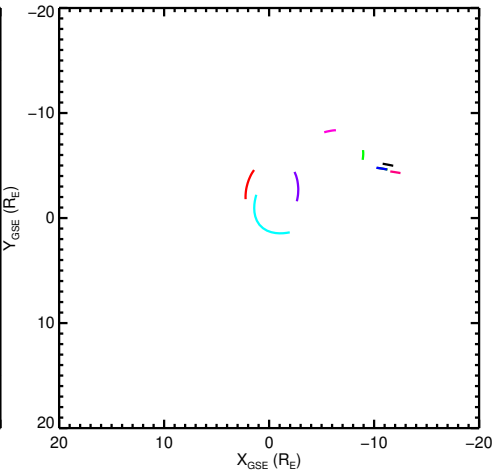




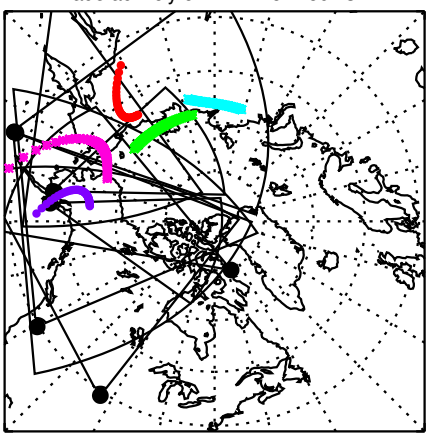
(d) 1255UT to 1425UT
ade bks cly cve cvw fhe fhw hok kap kod



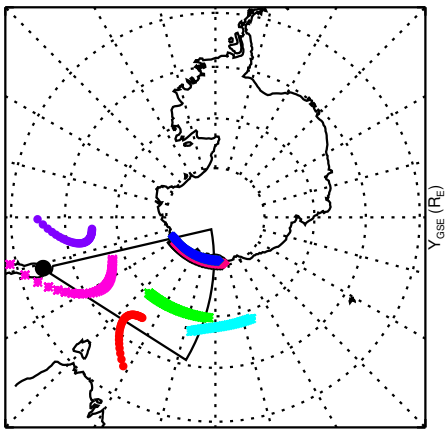


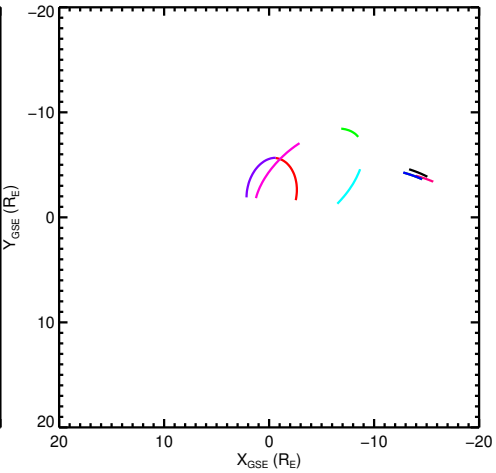


(e) 1630UT to 1950UT
ade adw cly cvw fhw hok kod ksr

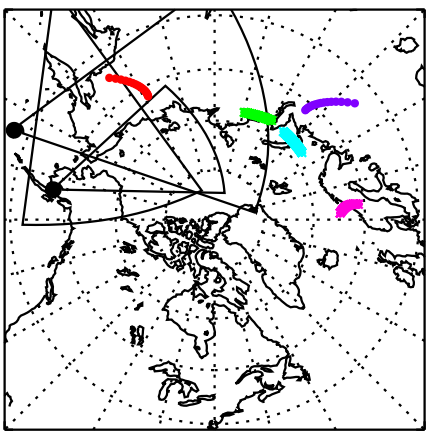


unw

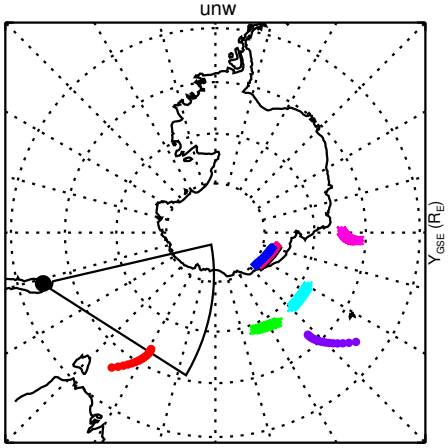


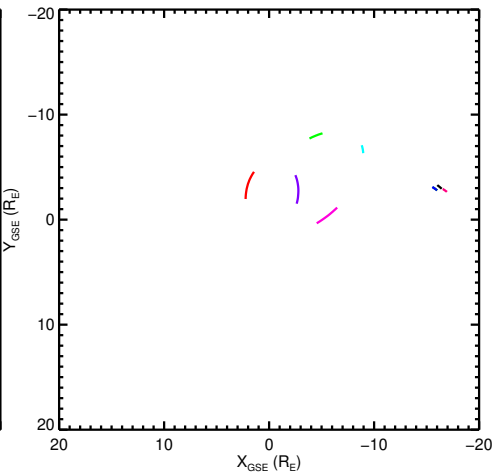


(f) 2155UT to 2320UT
adw hok ksr



unw

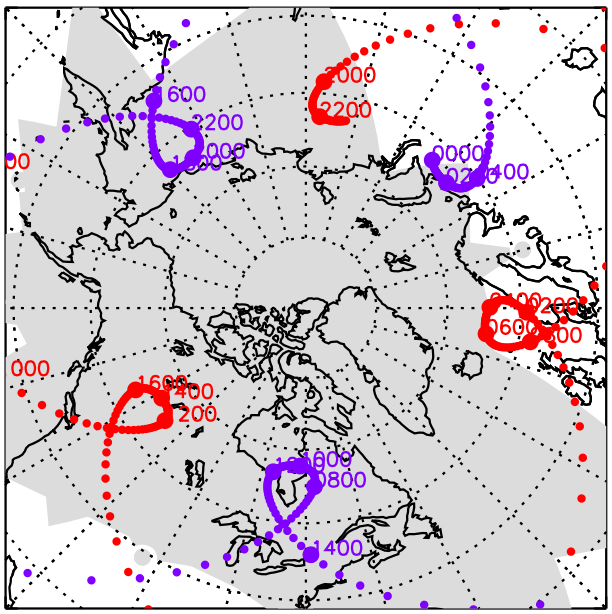


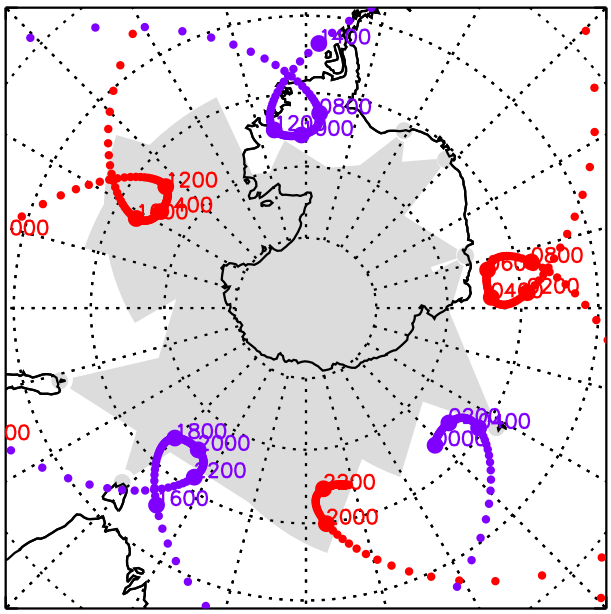


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

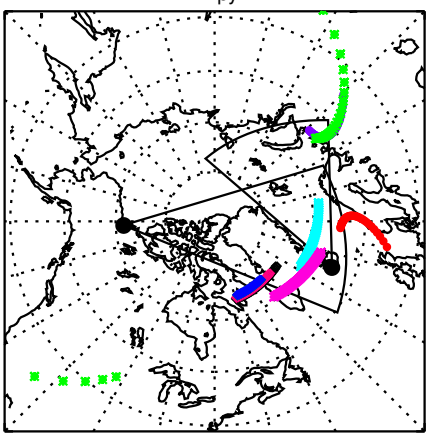
28–Aug–2014

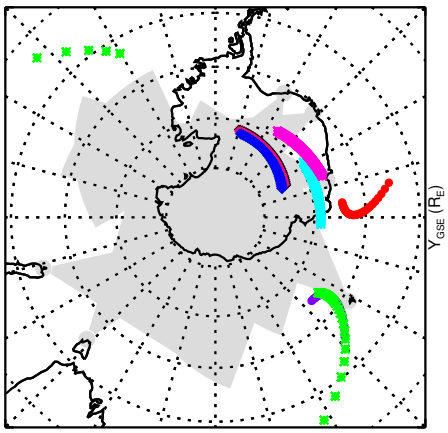
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

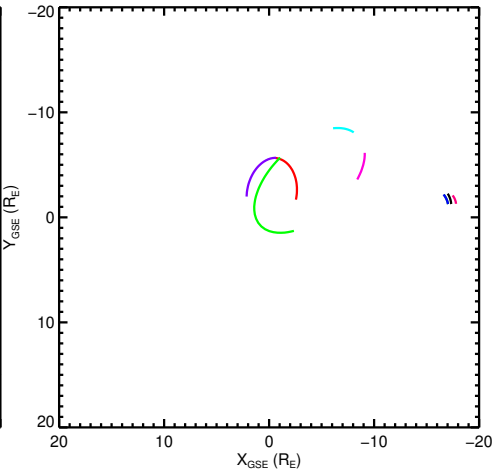




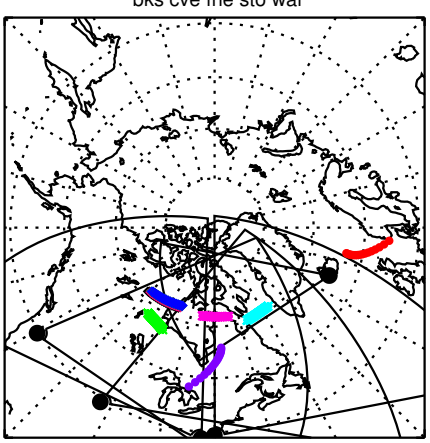
(a) 0130UT to 0450UT
inv pyk

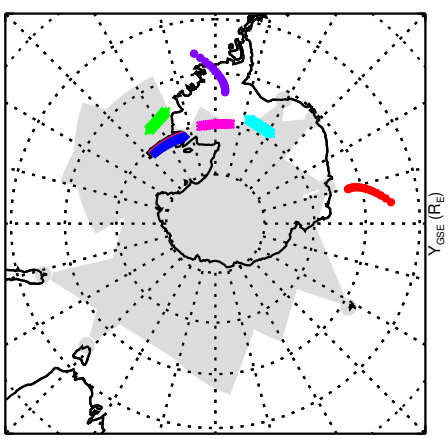


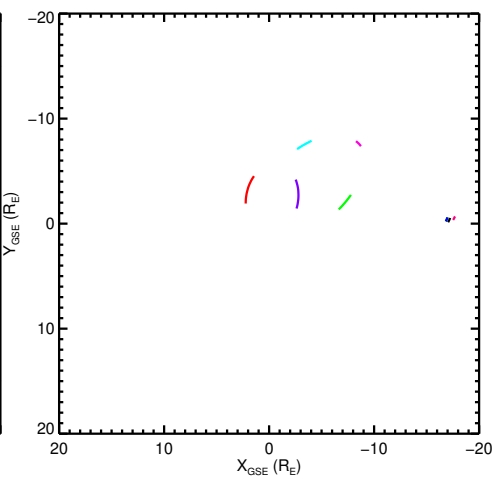




(b) 0655UT to 0820UT
bks cve fhe sto wal

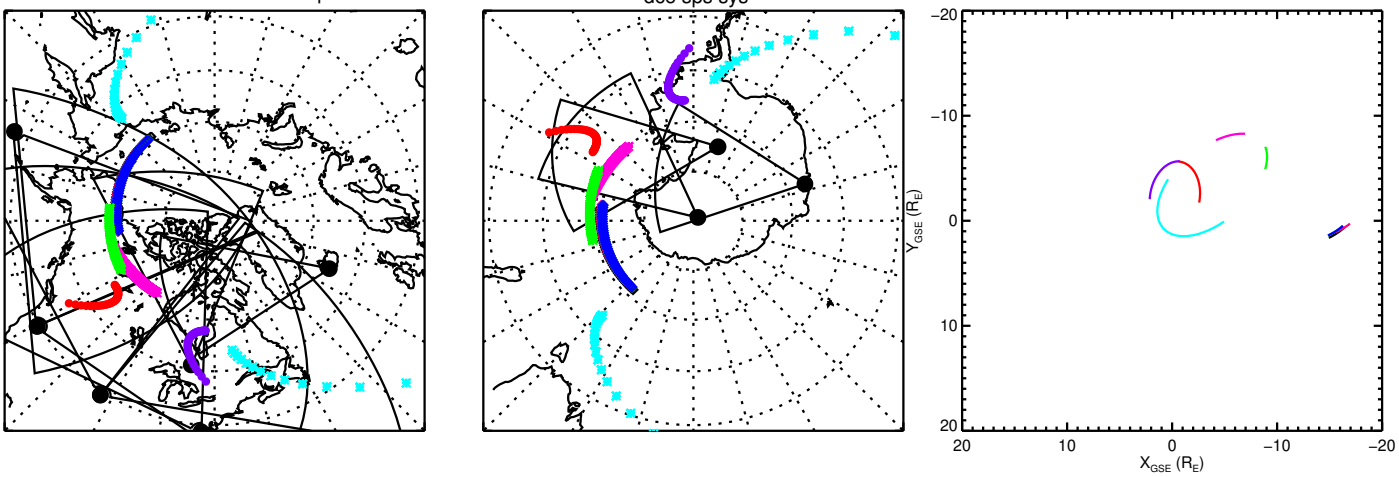






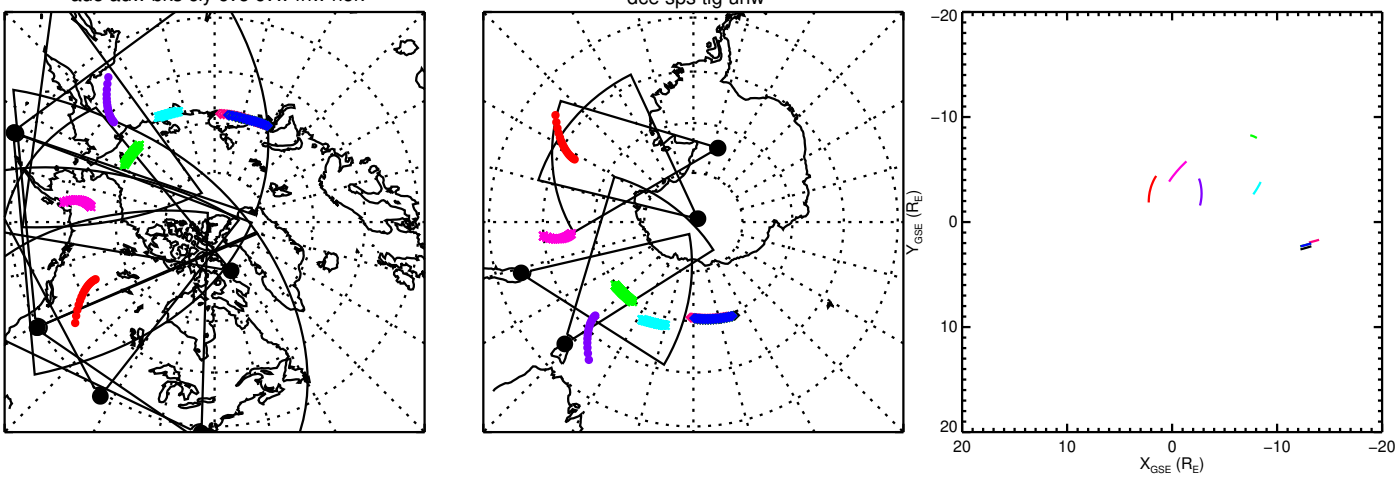
(c) 1030UT to 1350UT
ade bks cve cvw fhe fhw kap sto

dce sps sys



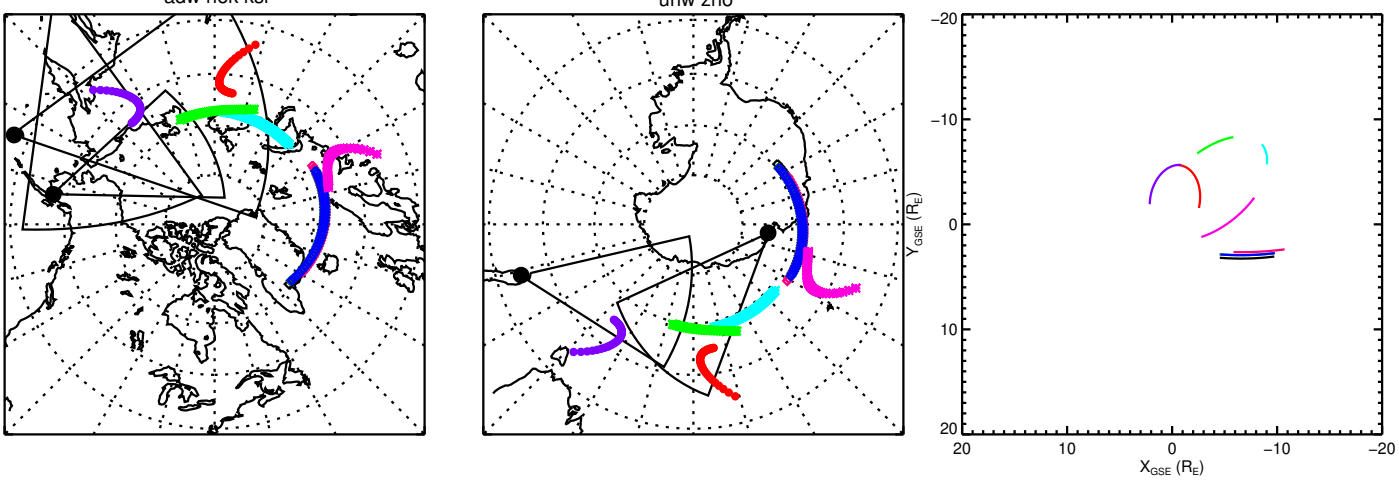
(d) 1600UT to 1720UT
ade adw bks cly cve cvw fhw hok

dce sps tig unw



(e) 1925UT to 2255UT
adw hok ksr

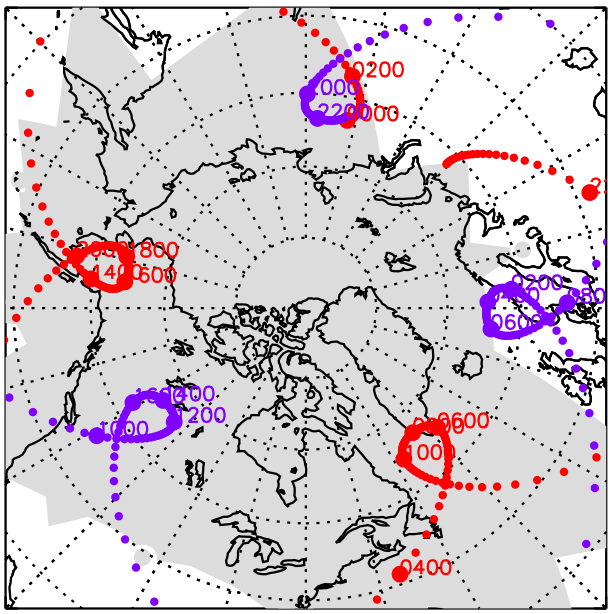
unw zho

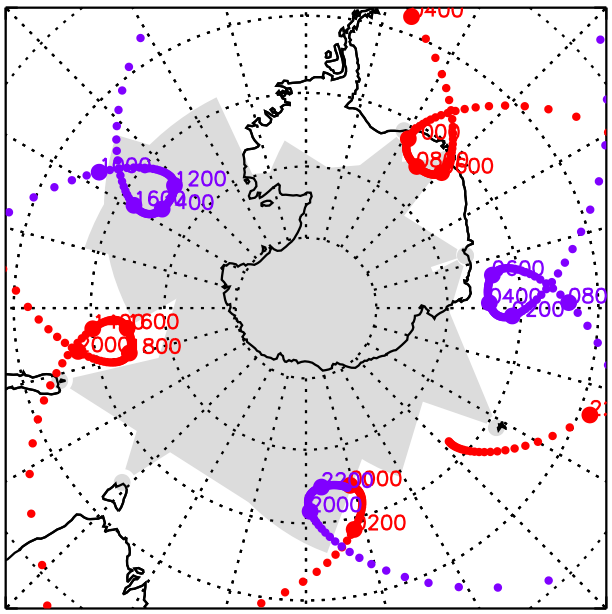


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

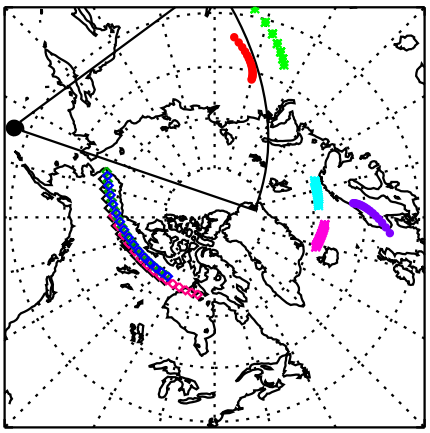
29–Aug–2014

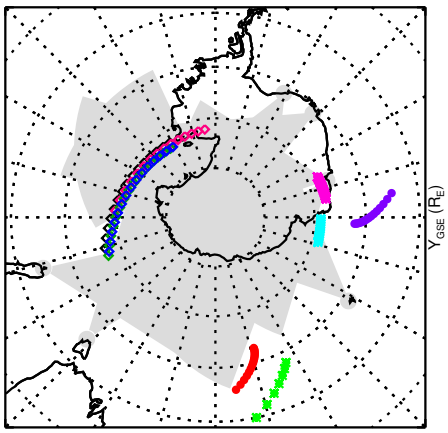
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

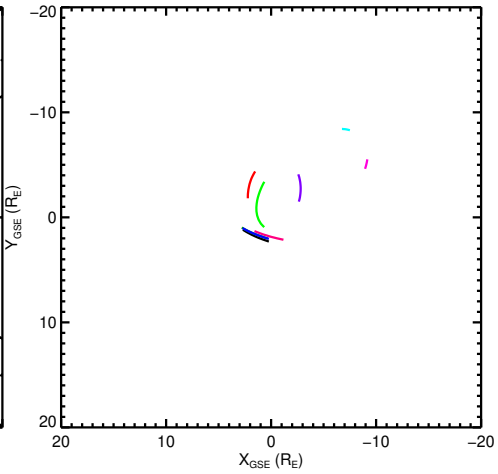




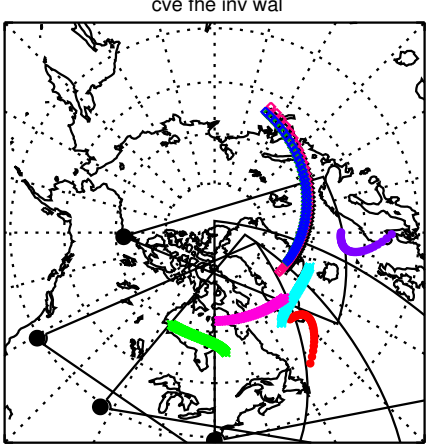
(a) 0100UT to 0220UT
adw



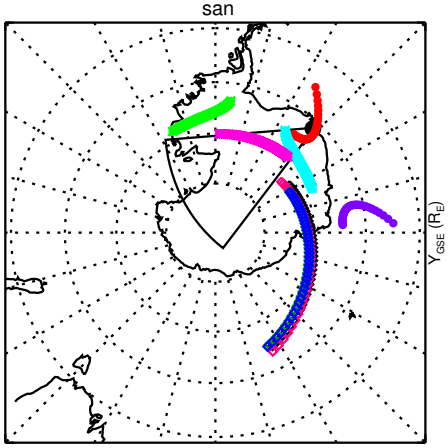


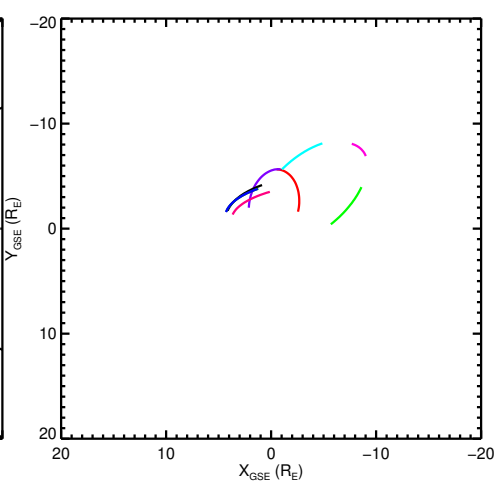


(b) 0425UT to 0755UT
cve fhe inv wal

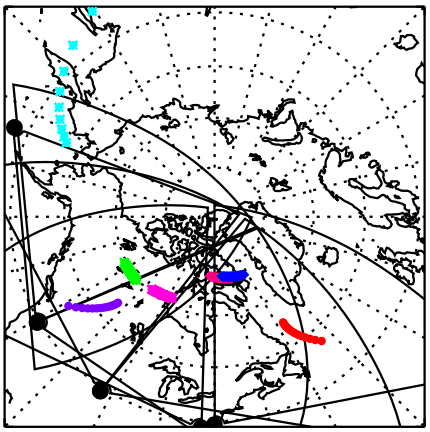


san

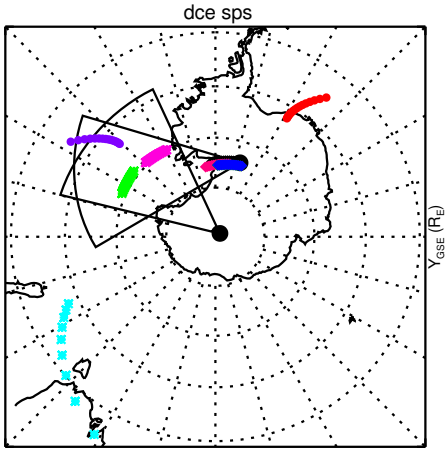


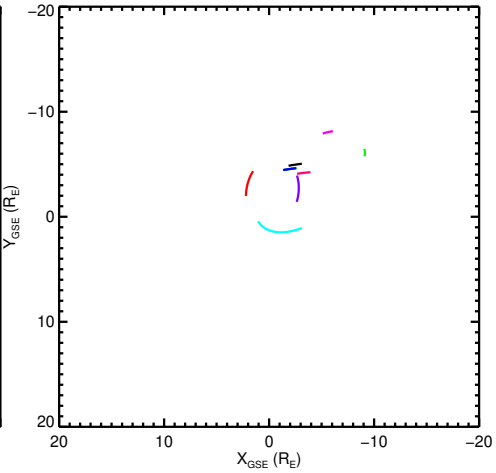


(c) 1000UT to 1115UT
ade bks cve cvw fhe fhw wal

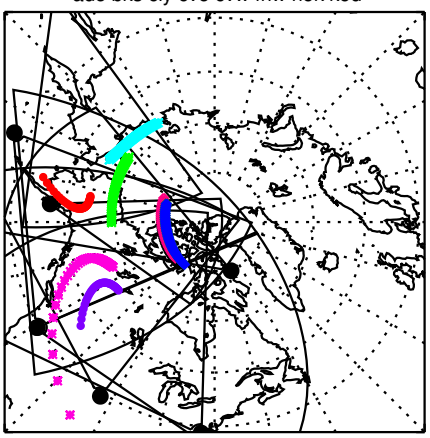


dce sps

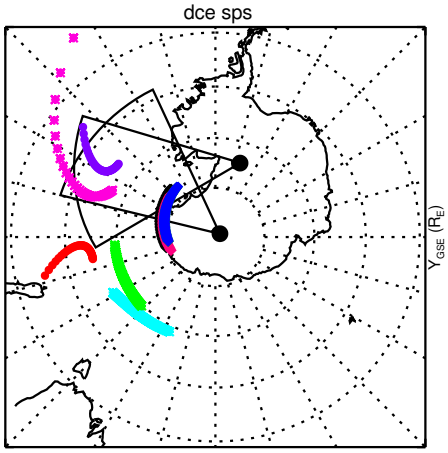


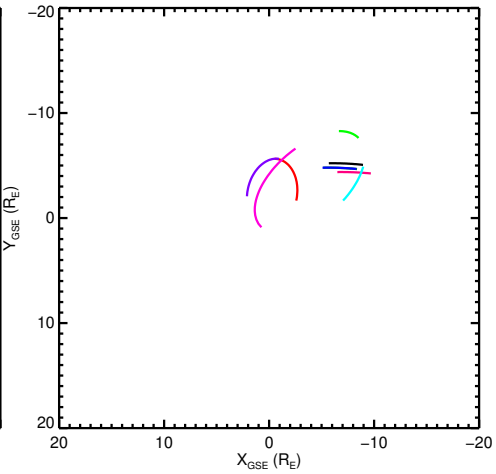


(d) 1325UT to 1655UT
ade bks cly cve cvw fhw hok kod

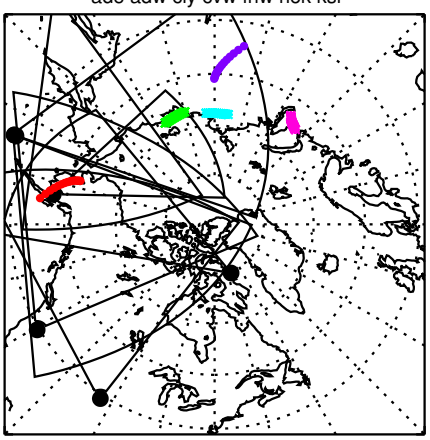


dce sps

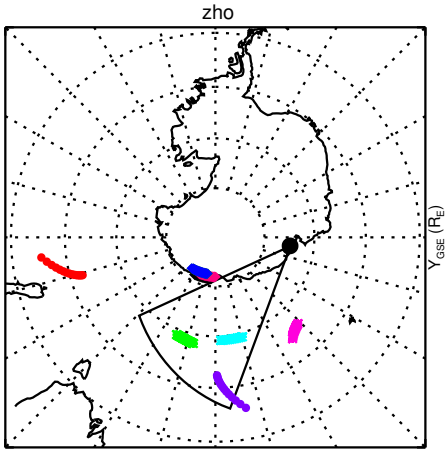


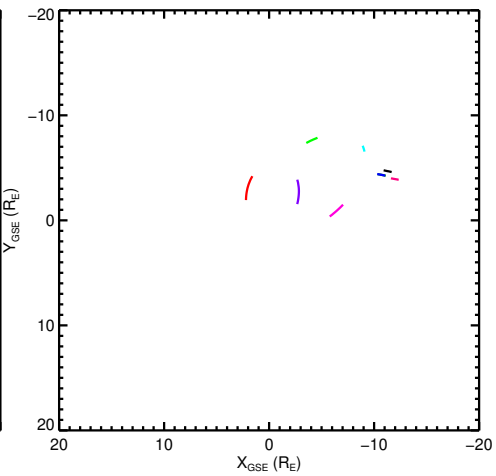


(e) 1905UT to 2015UT
ade adw cly cvw fhw hok ksr

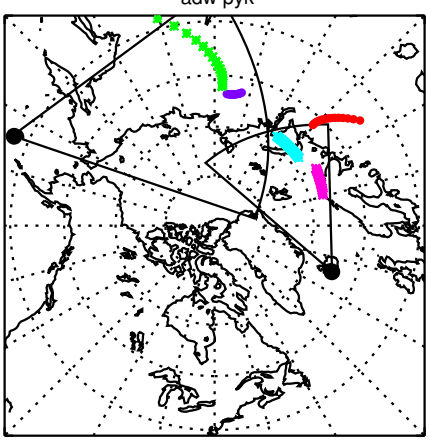


zho

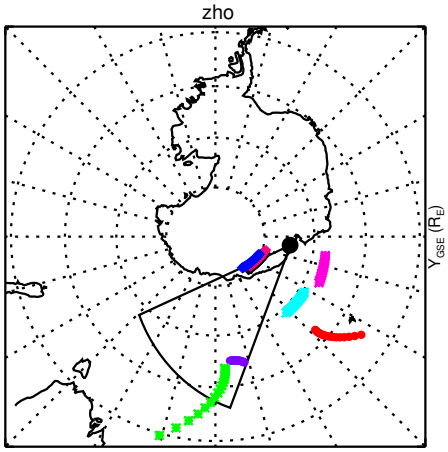


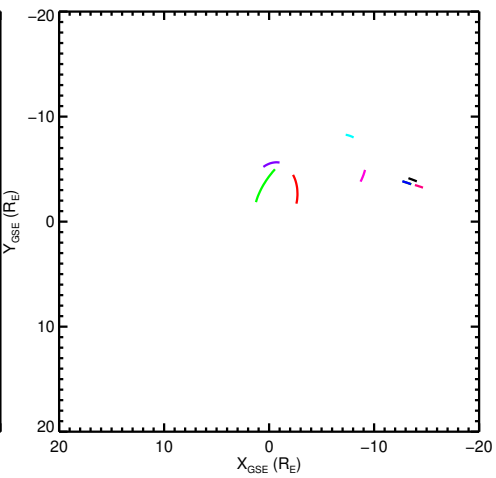


(f) 2225UT to 2355UT
adw pyk



zho

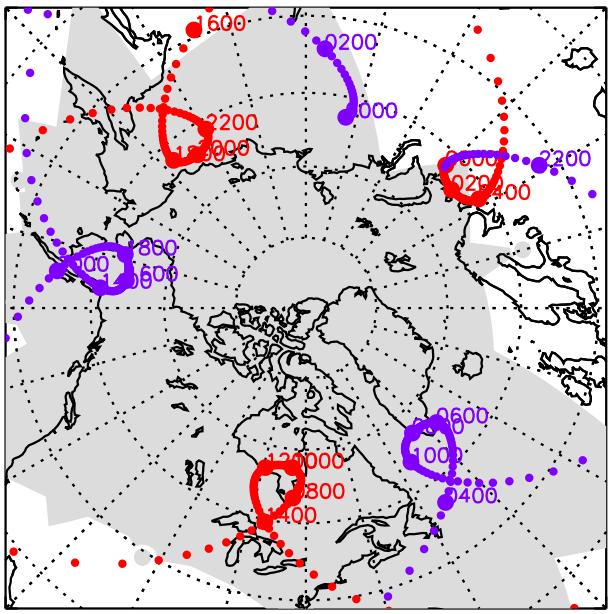


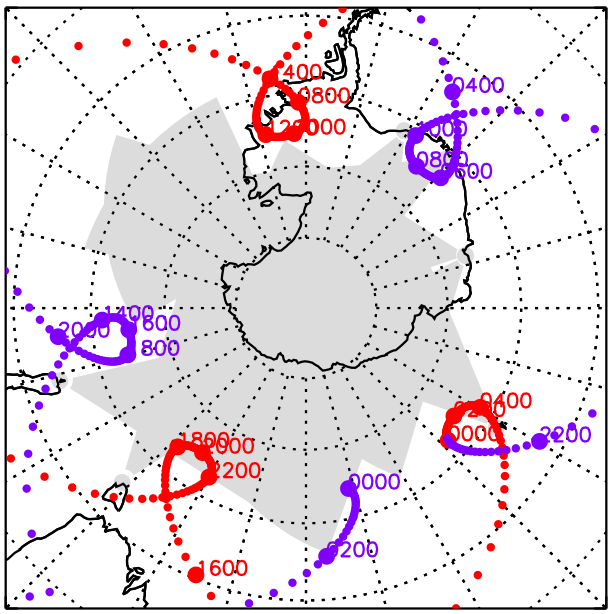


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

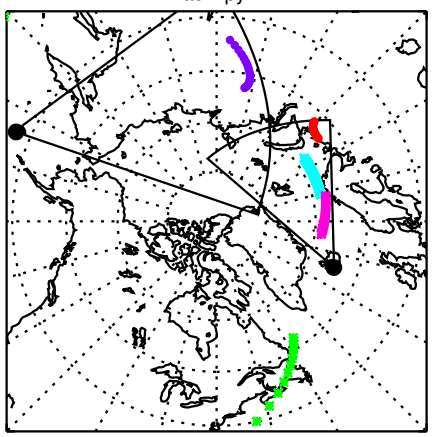
30–Aug–2014

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

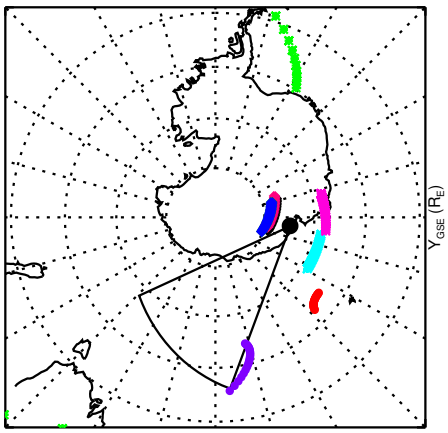


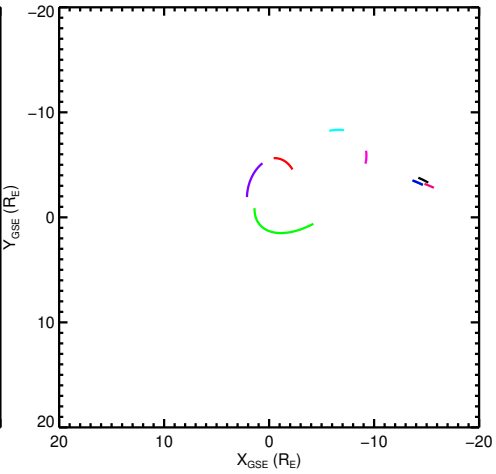


(a) 0000UT to 0200UT
adw pyk

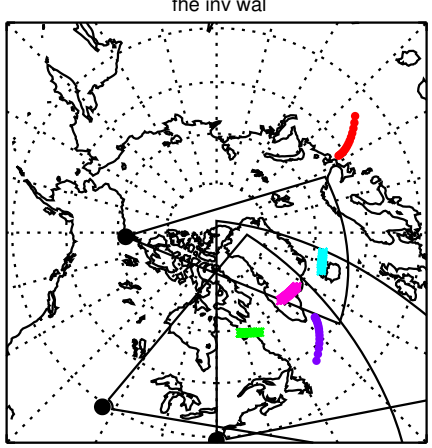


zho





(b) 0405UT to 0515UT
fhe inv wal



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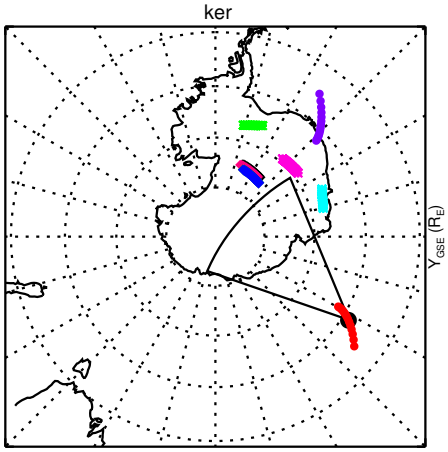
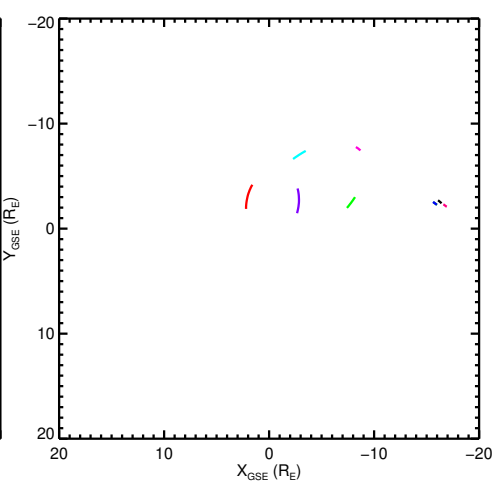
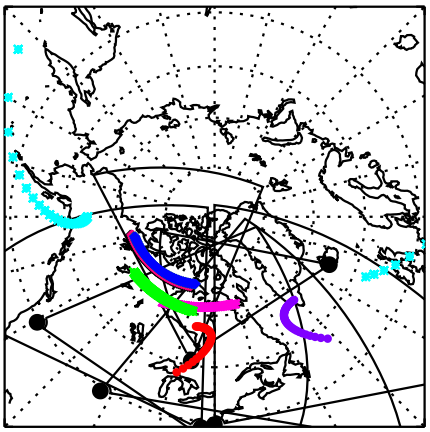
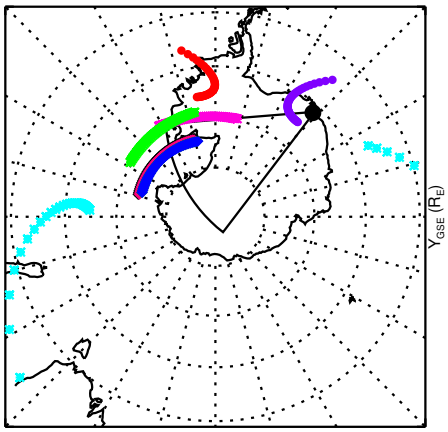


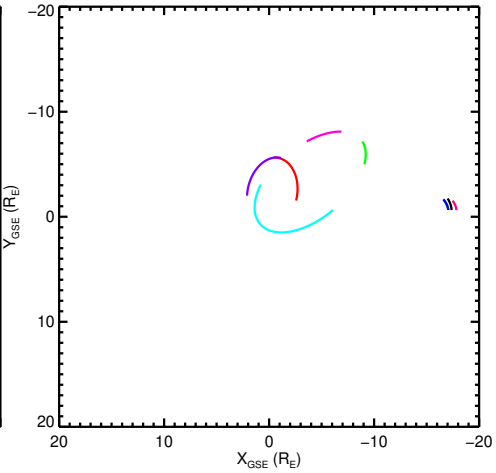


(c) 0720UT to 1100UT
bks cve fhe kap sto wal

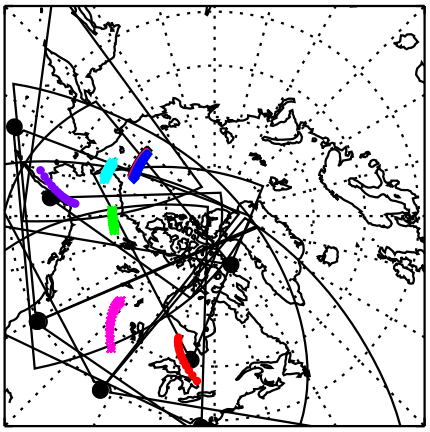


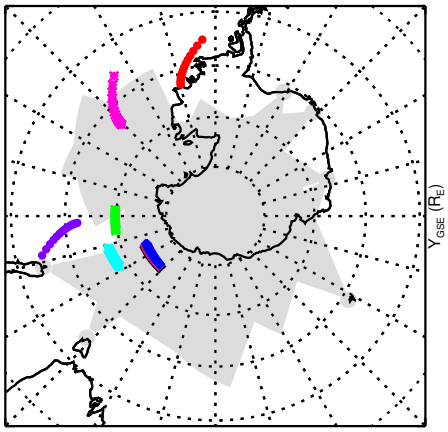
san

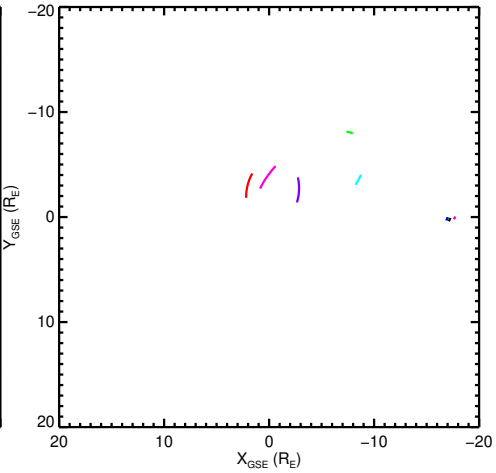




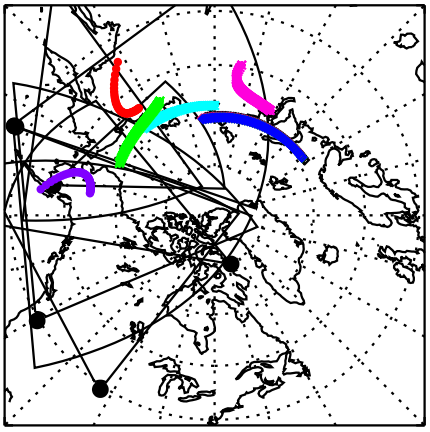
(d) 1305UT to 1415UT
ade bks cly cve cvw fhe fhw hok kap kod



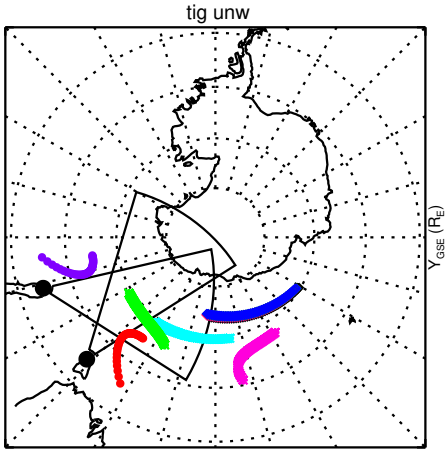


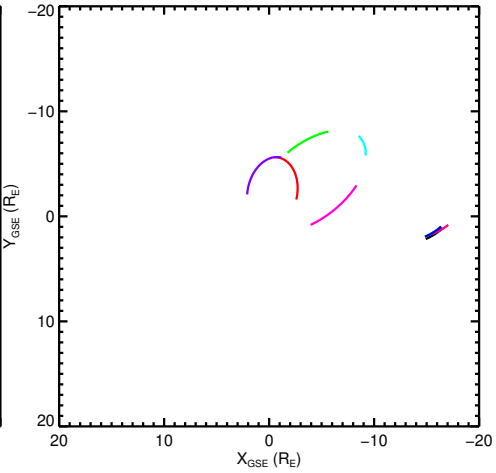


(e) 1620UT to 2000UT
ade adw cly cvw fhw hok ksr

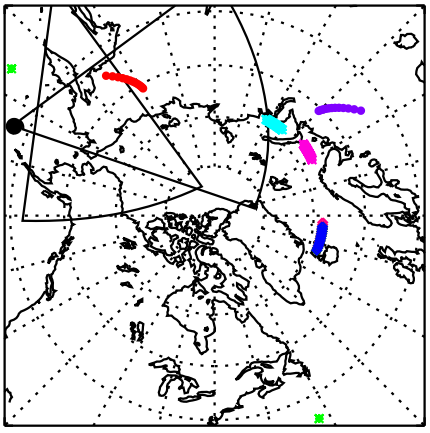


tig unw

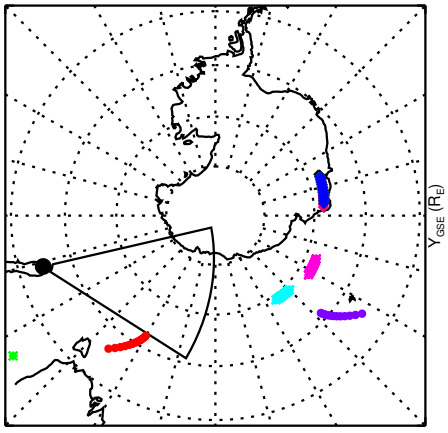


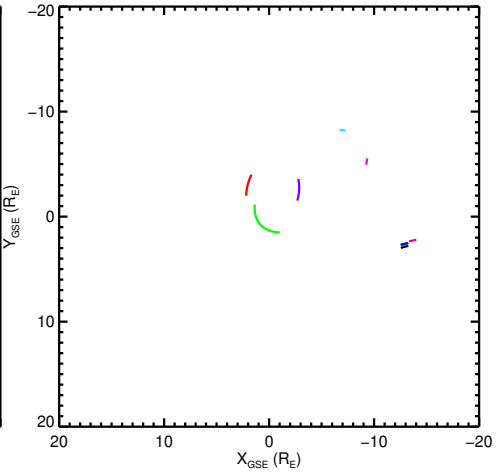


(f) 2210UT to 2310UT
adw hok



unw

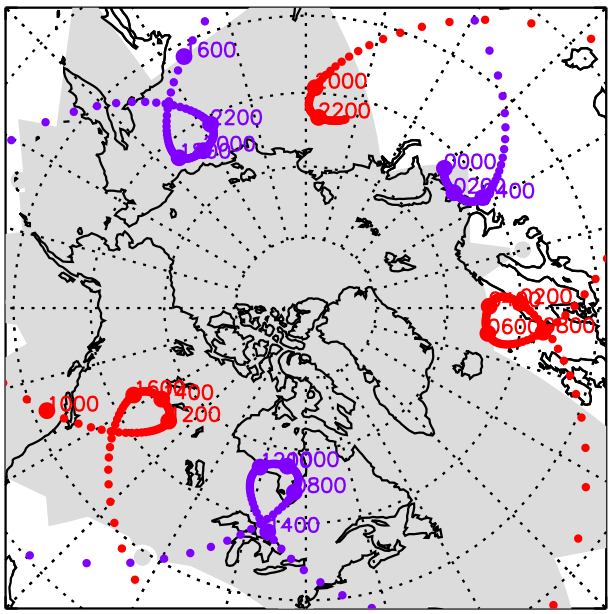


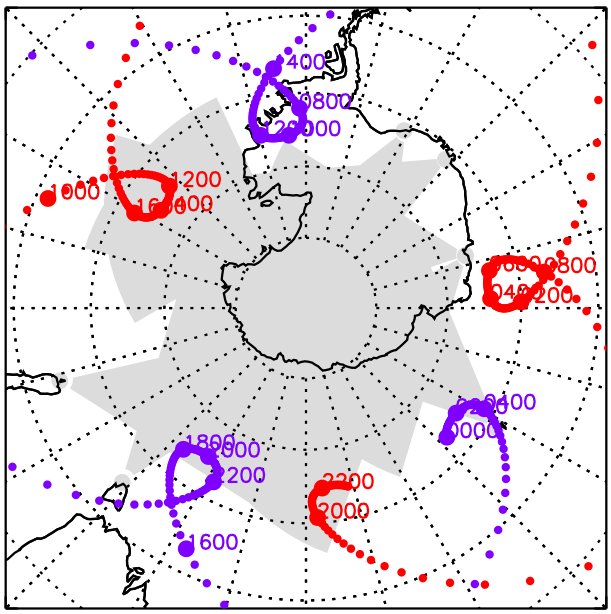


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

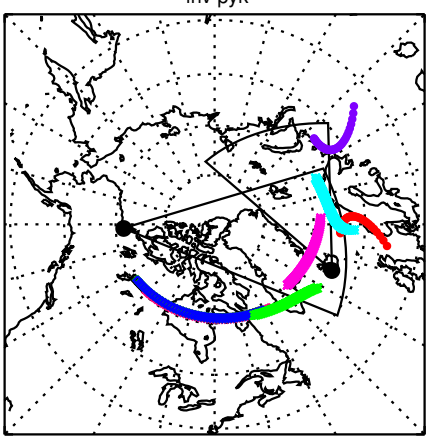
31−Aug−2014

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

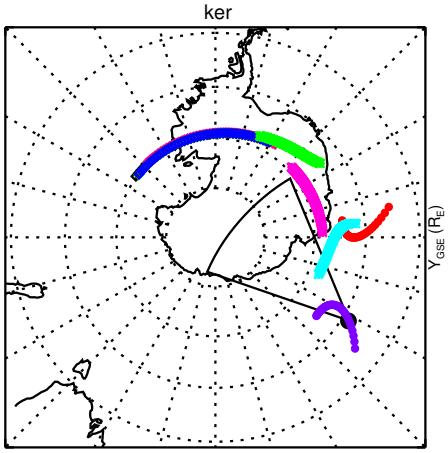


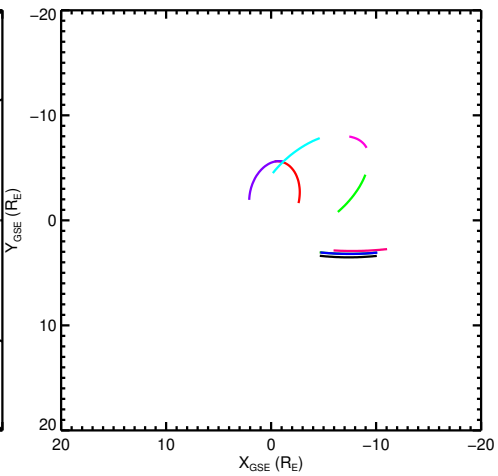


(a) 0120UT to 0505UT
inv pyk

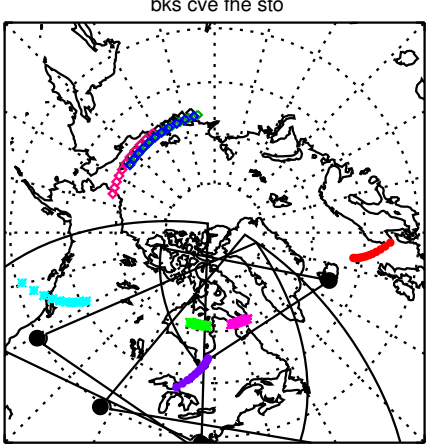


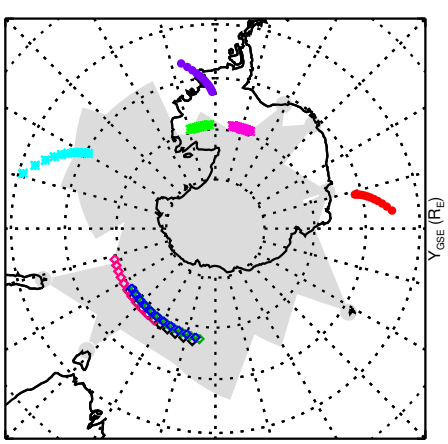
ker

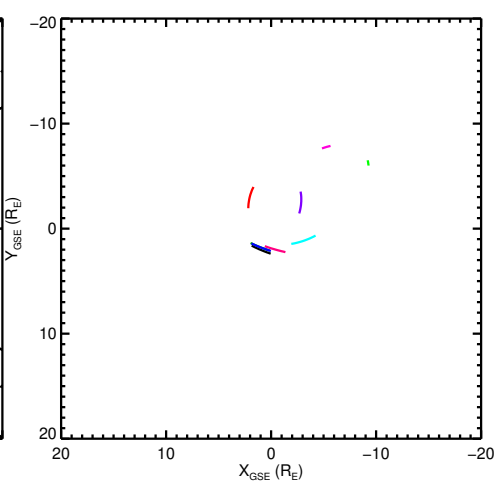




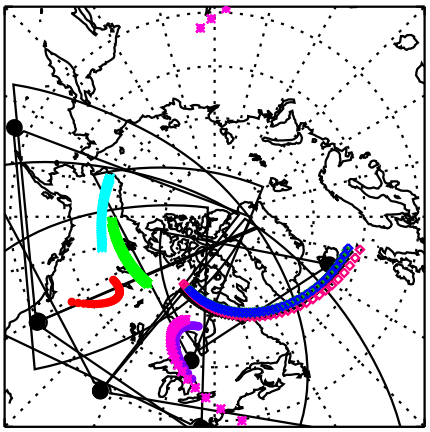
(b) 0710UT to 0810UT
bks cve fhe sto



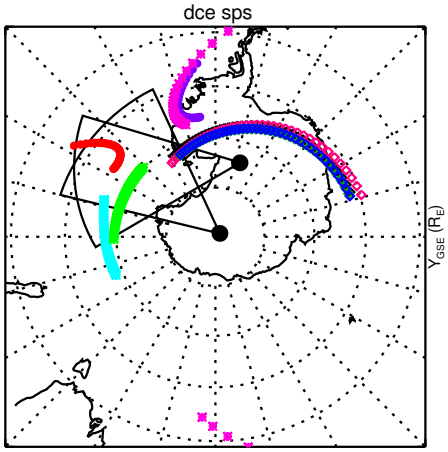


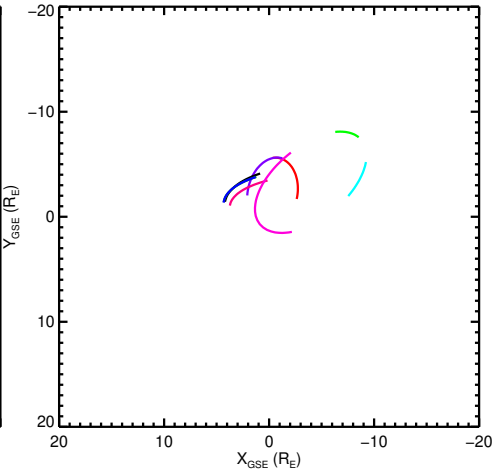


(c) 1020UT to 1405UT
ade bks cve cvw fhe fhw kap sto

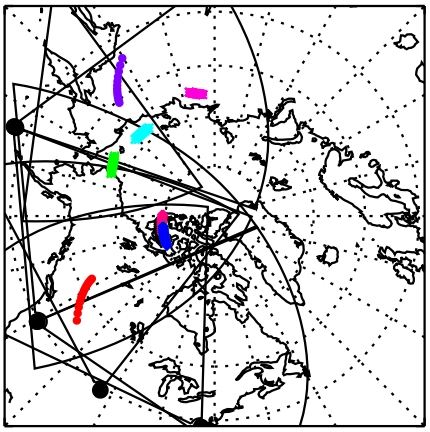


dce sps

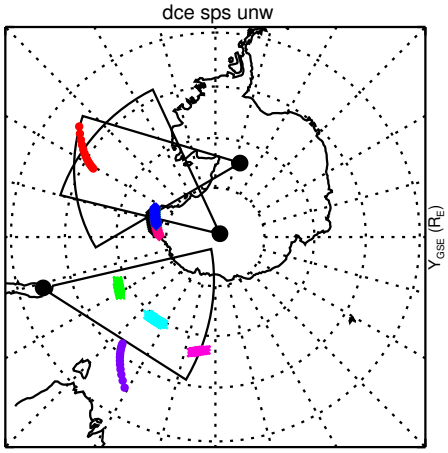


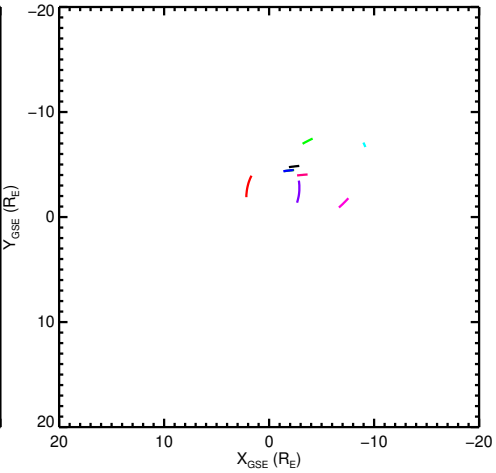


(d) 1610UT to 1710UT
ade adw bks cve cvw fhw hok

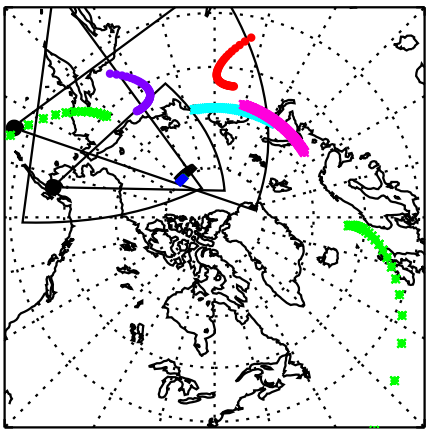
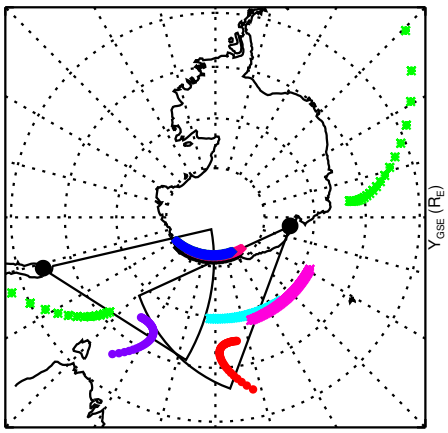
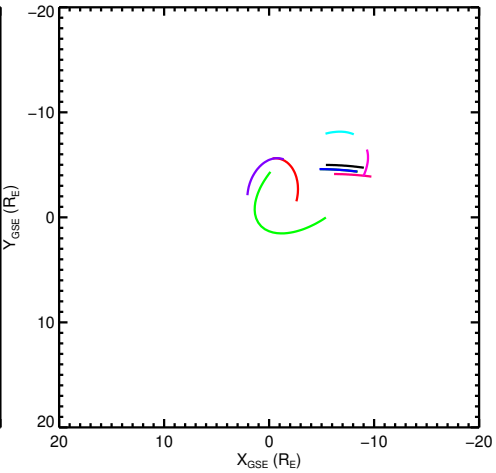


dce sps unw





(e) 1915UT to 2305UT
adw hok ksr



unw zho