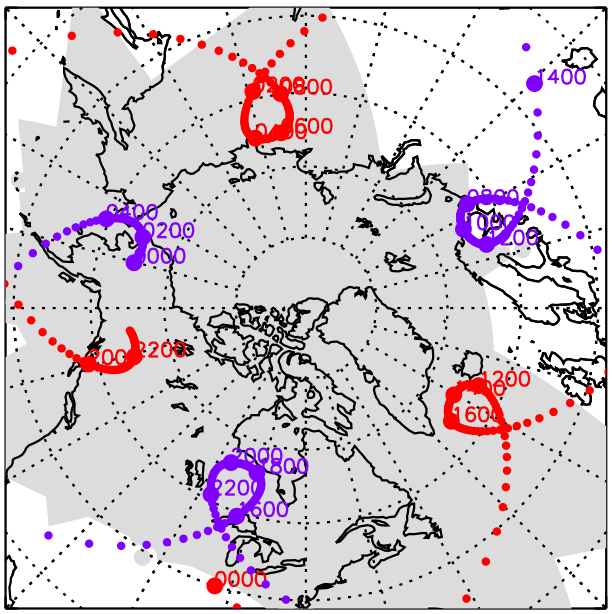
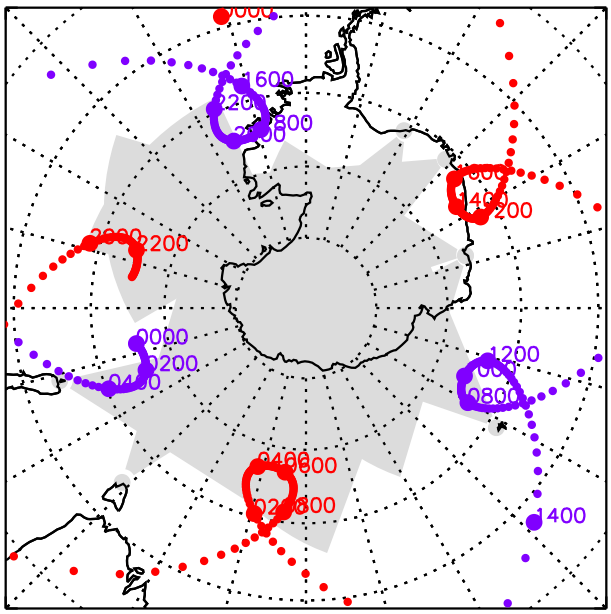
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

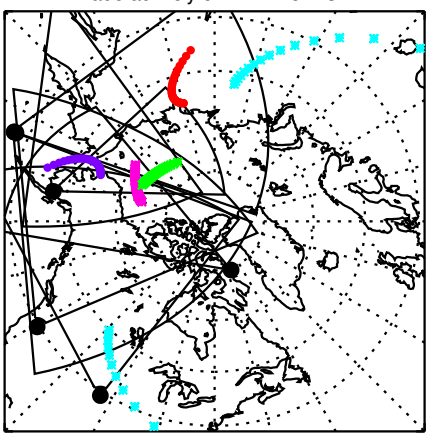
01−Feb−2014

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

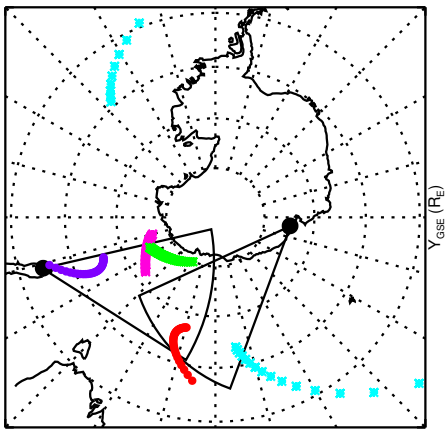


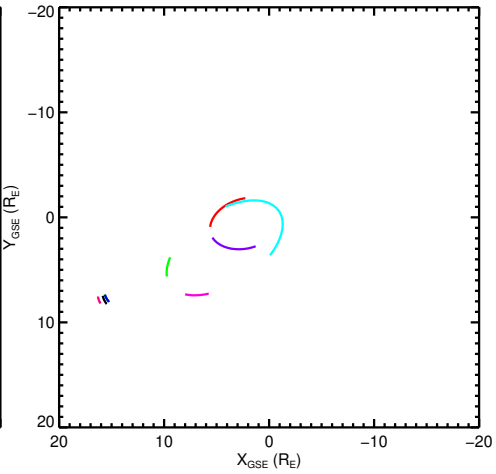


(a) 0140UT to 0430UT
ade adw cly cvw fhw hok ksr

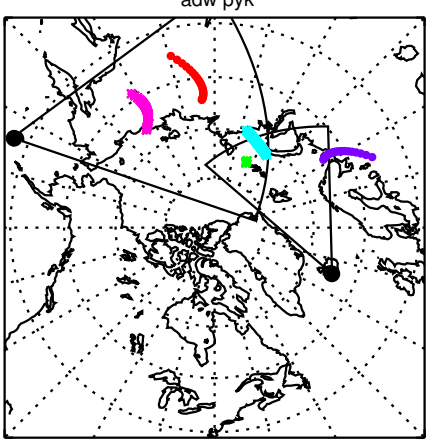


unw zho

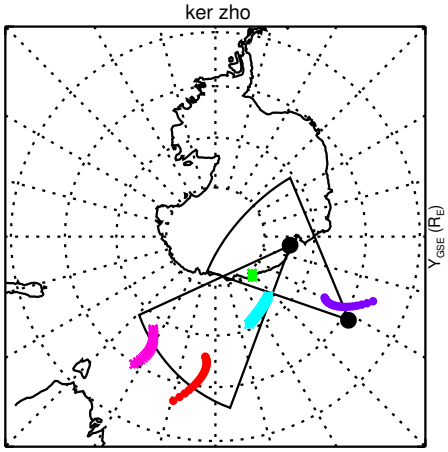


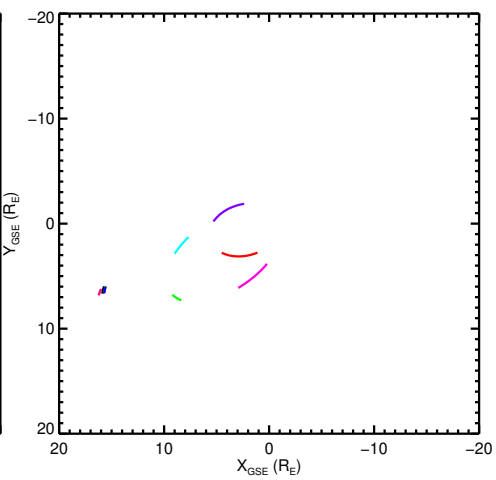


(b) 0640UT to 0835UT
adw pyk



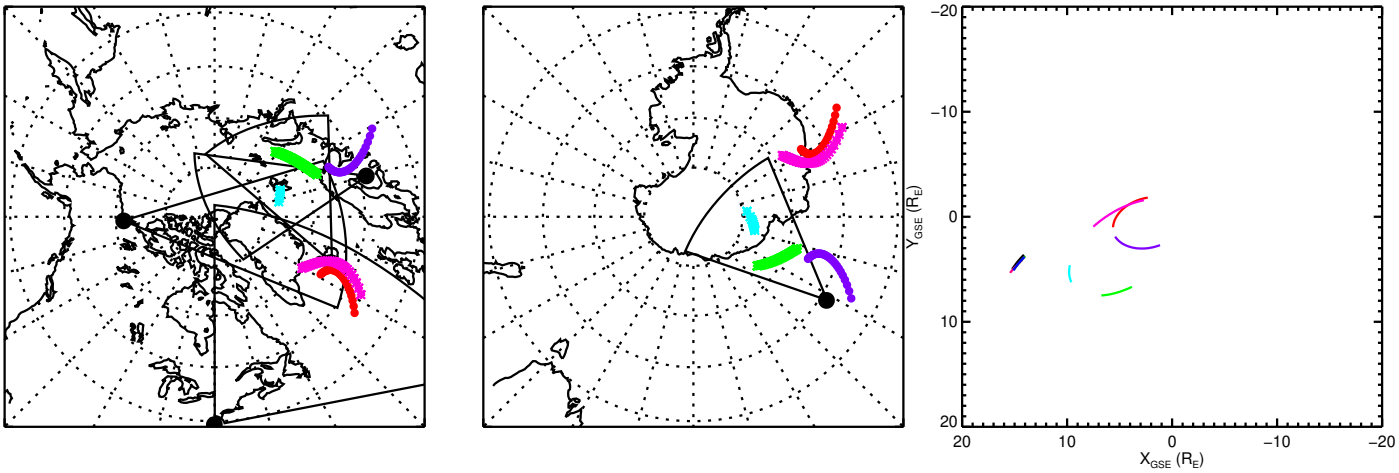
ker zho



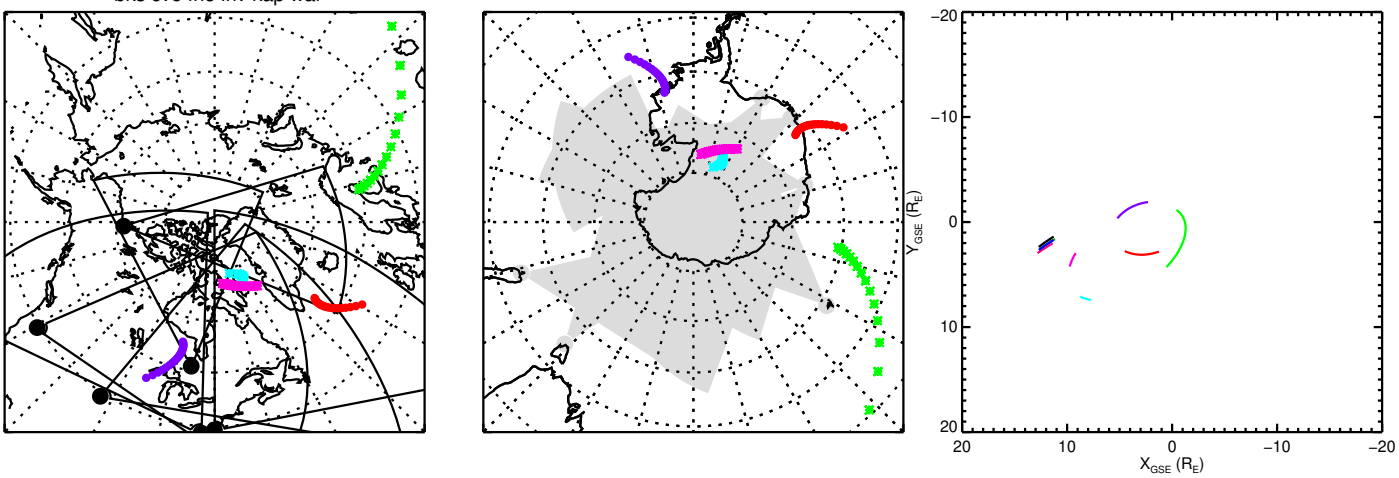


(c) 1040UT to 1335UT
han inv pyk wal

ker

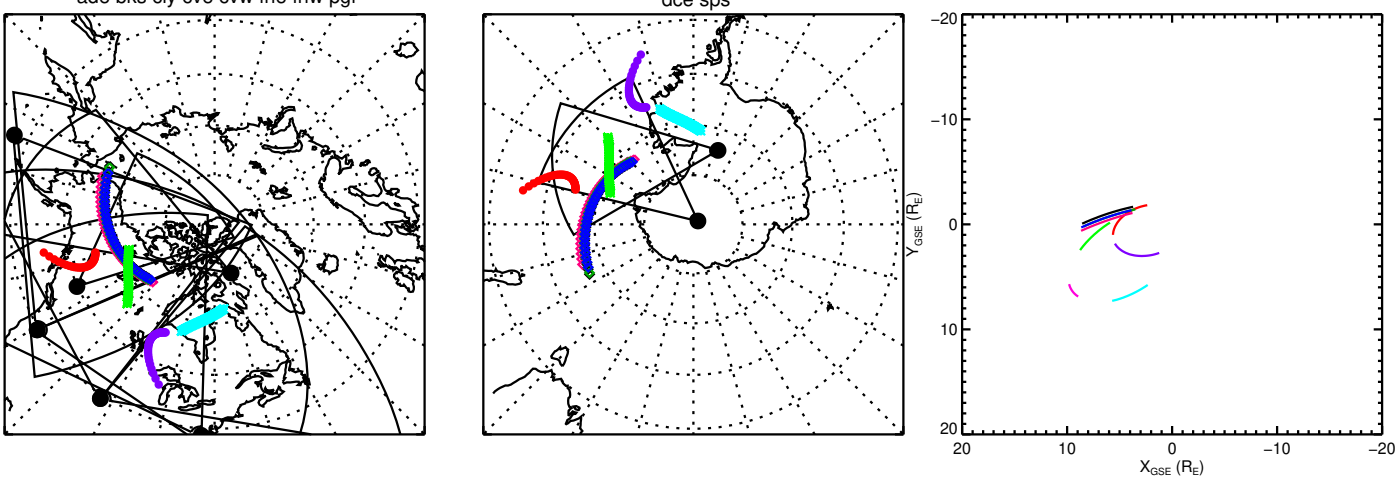


(d) 1540UT to 1730UT
bks cve fhe inv kap wal



(e) 1940UT to 2235UT
ade bks cly cve cvw fhe fhw pgr

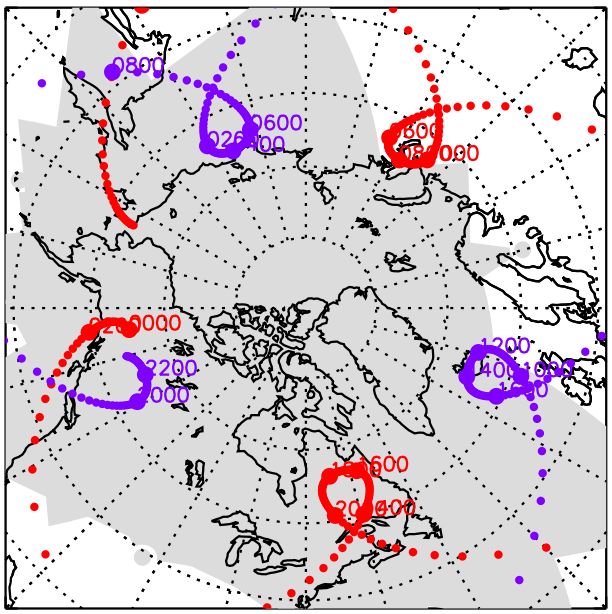
dce sps

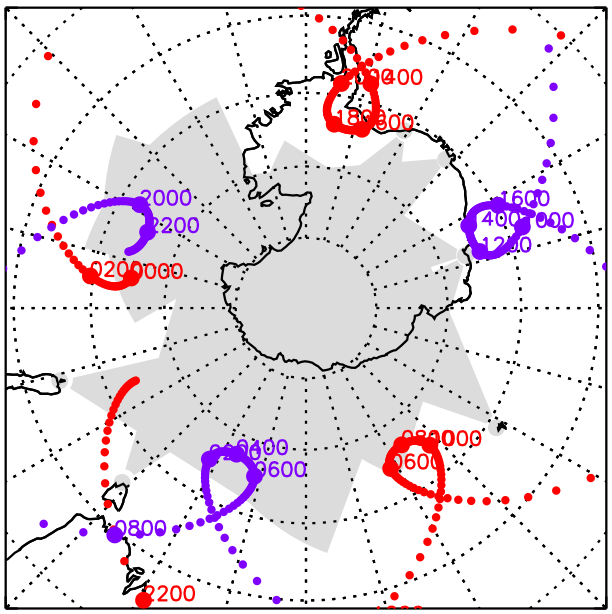


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

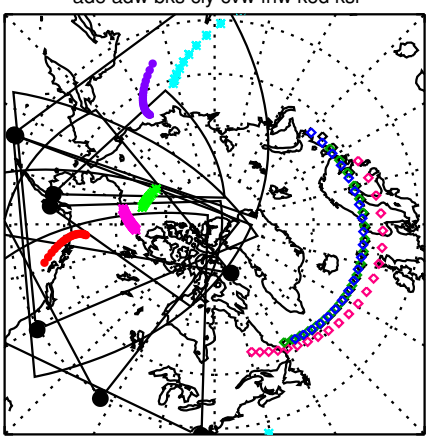
02–Feb–2014

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

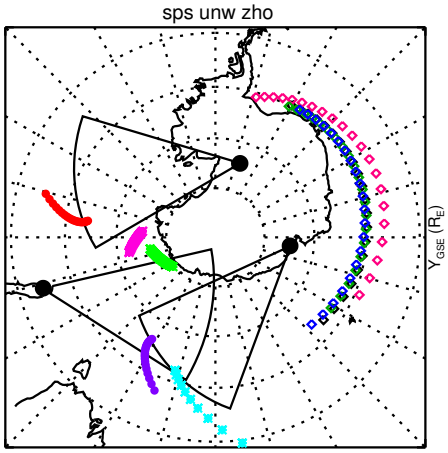


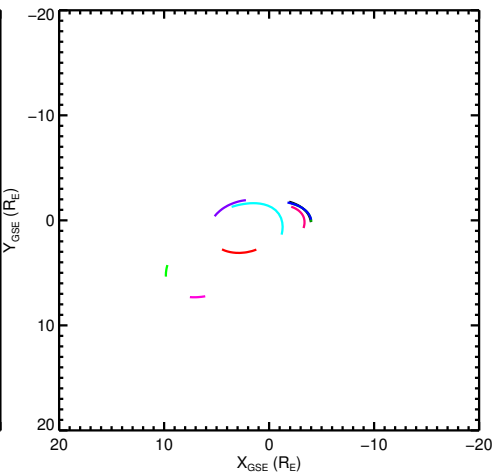


(a) 0040UT to 0230UT
ade adw bks cly cvw fhw kod ksr

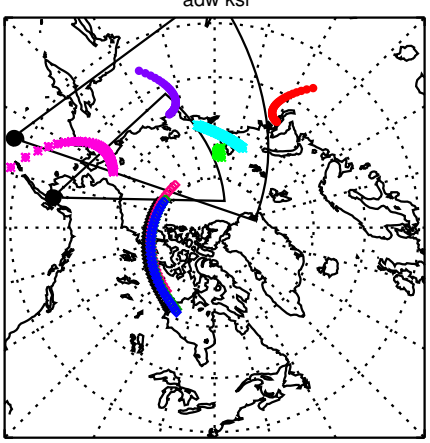


sps unw zho

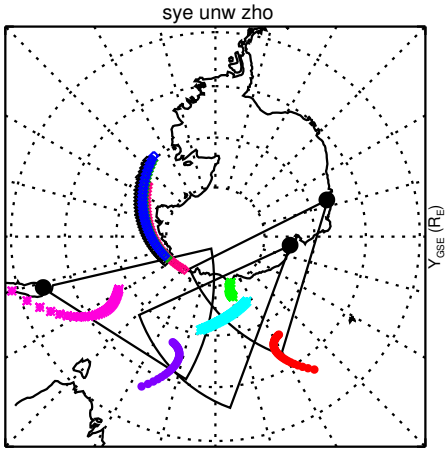


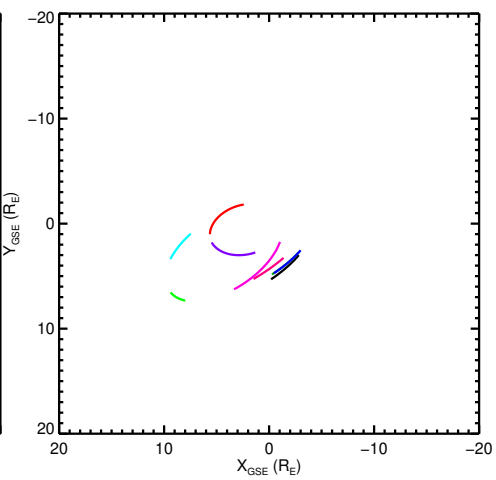


(b) 0440UT to 0735UT
adw ksr

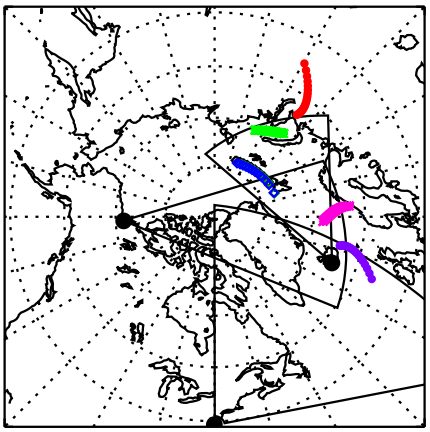


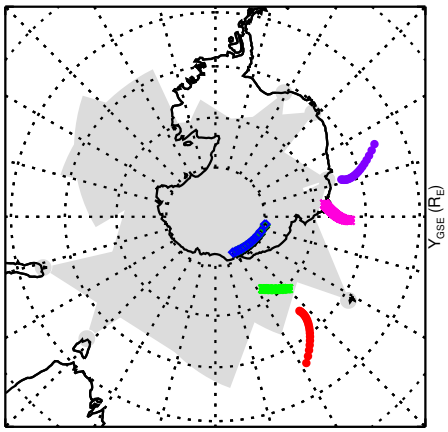
sye unw zho

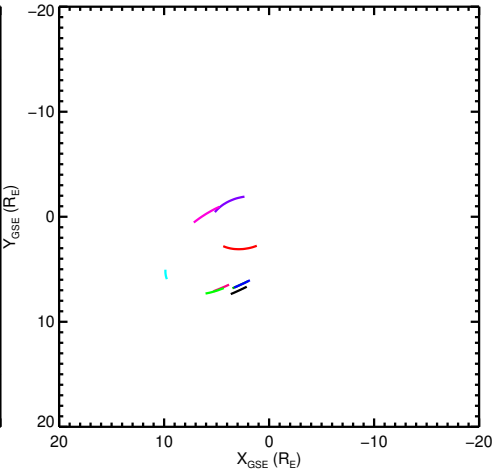




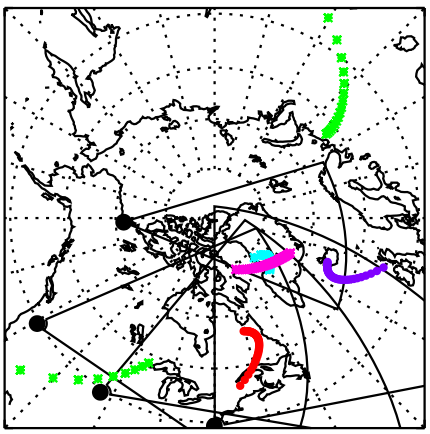
(c) 0945UT to 1130UT
inv pyk wal

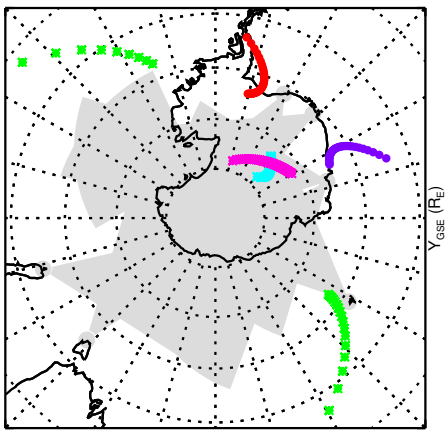


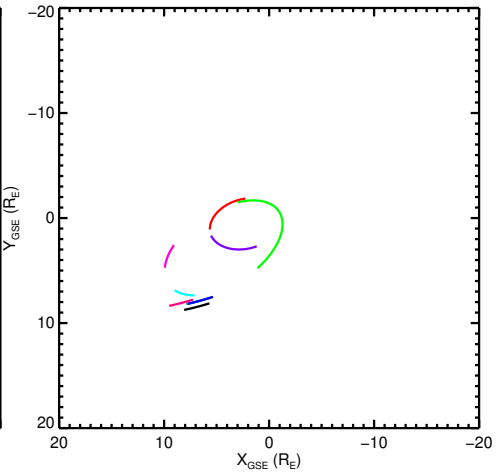




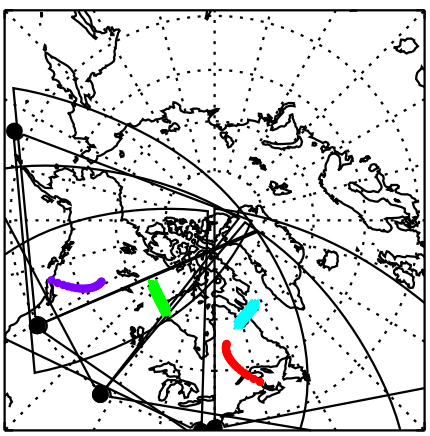
(d) 1335UT to 1640UT
cve fhe inv wal



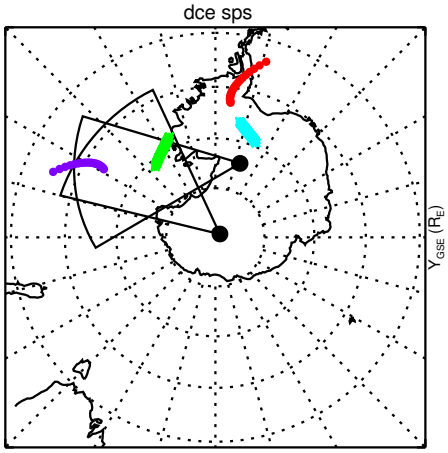


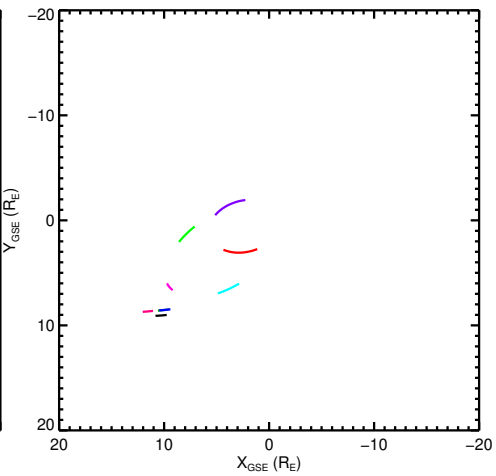


(e) 1845UT to 2030UT
ade bks cve cvw fhe fhw wal

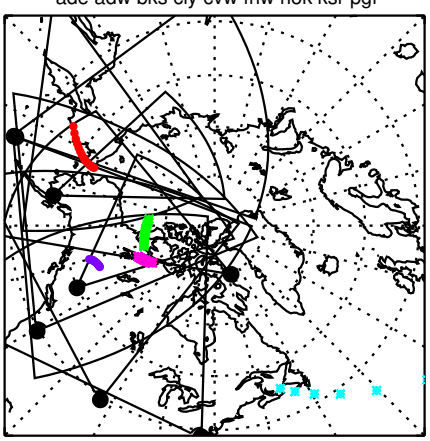


dce sps

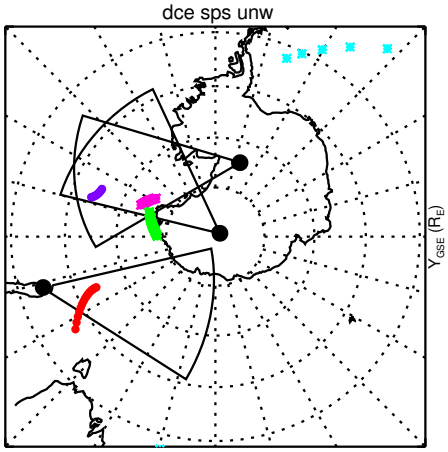


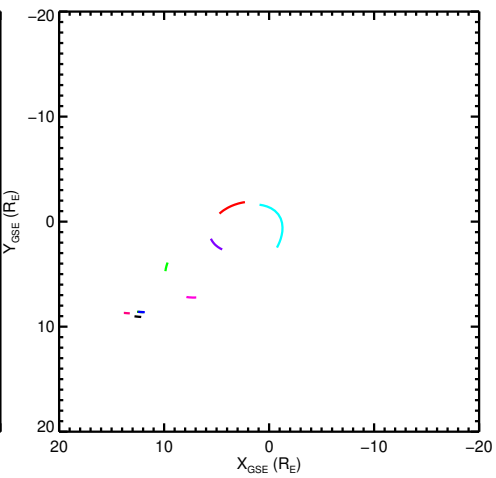


(f) 2235UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr



dce sps unw

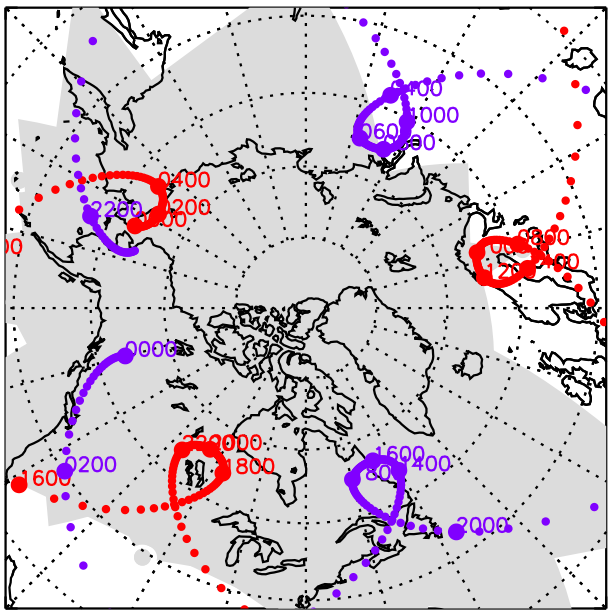


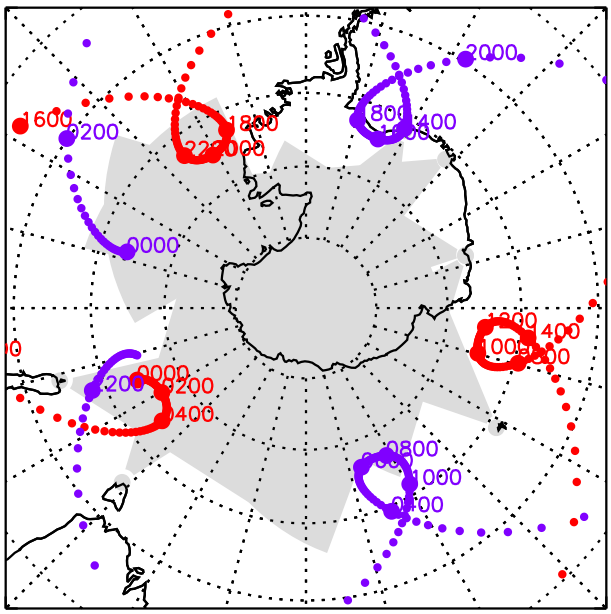


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

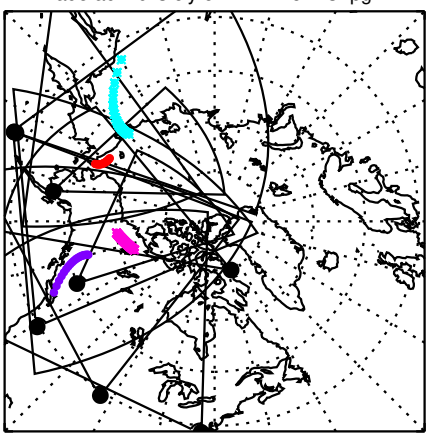
03–Feb–2014

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

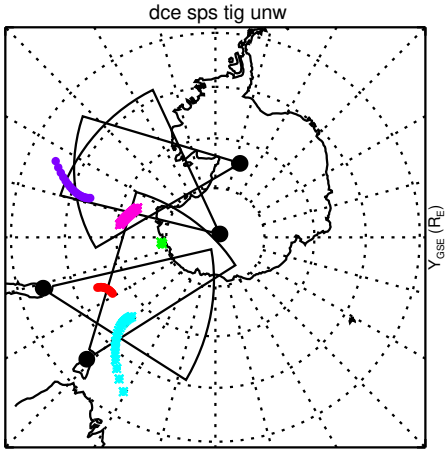


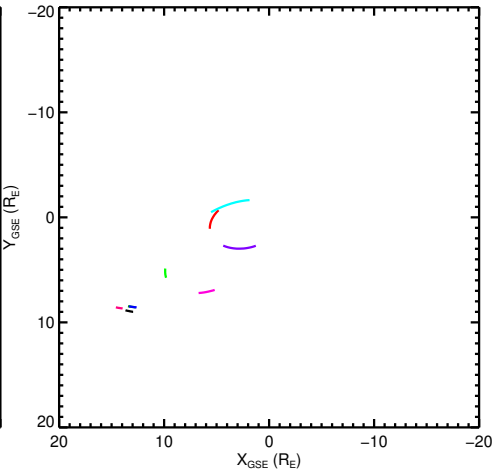


(a) 0000UT to 0140UT
ade adw bks cly cvw fhw hok ksr pgr

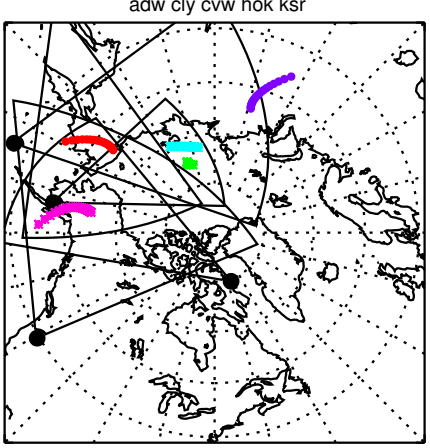


dce sps tig unw

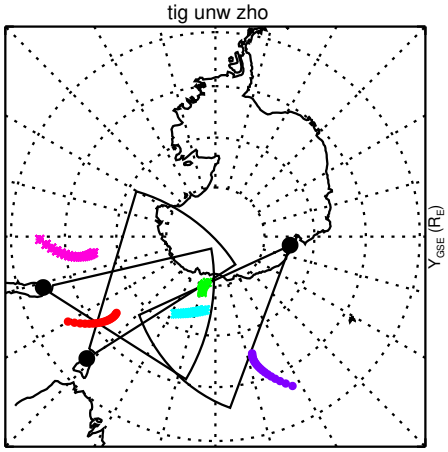


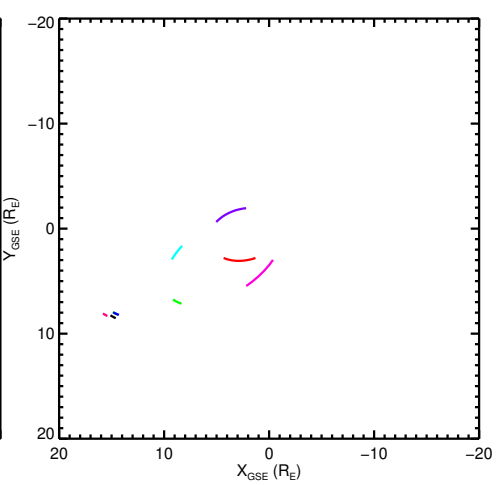


(b) 0345UT to 0525UT
adw cly cvw hok ksr

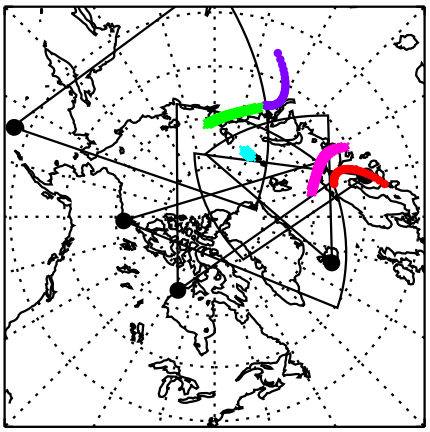


tig unw zho





(c) 0735UT to 1040UT
adw han inv pyk rkn



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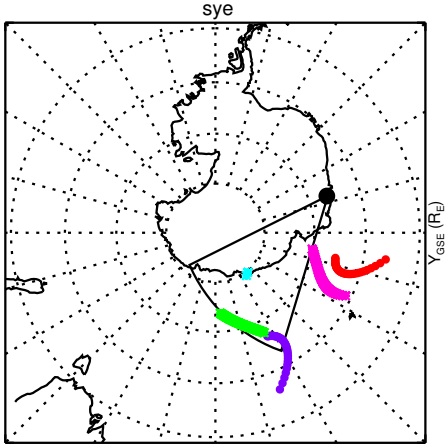
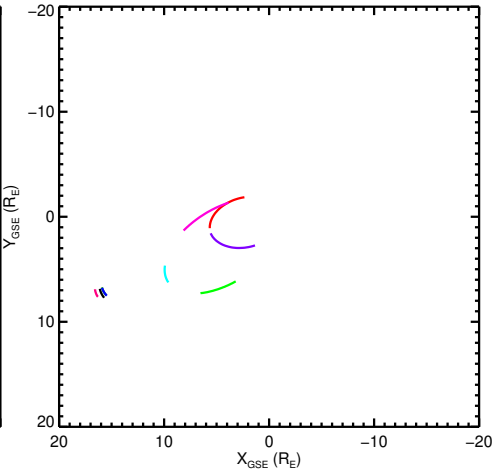
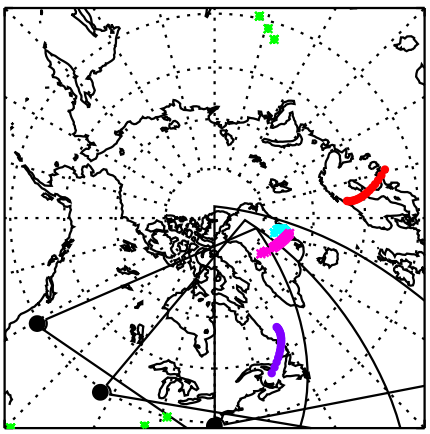
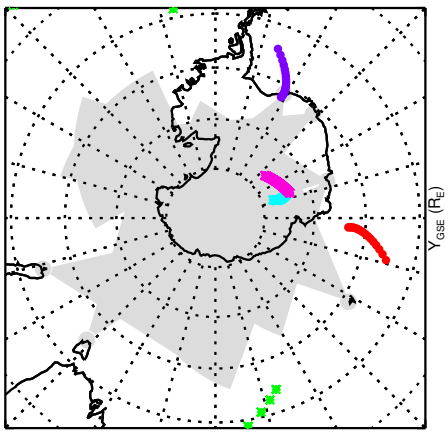
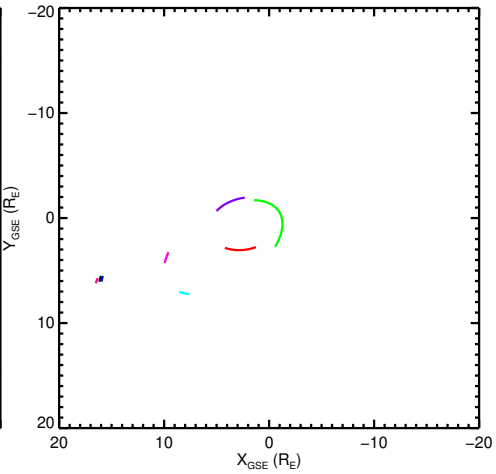




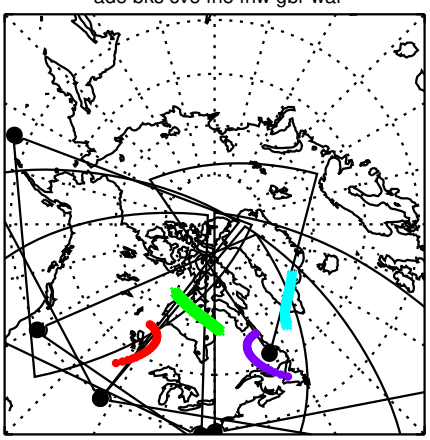
(d) 1250UT to 1425UT
cve fhe wal



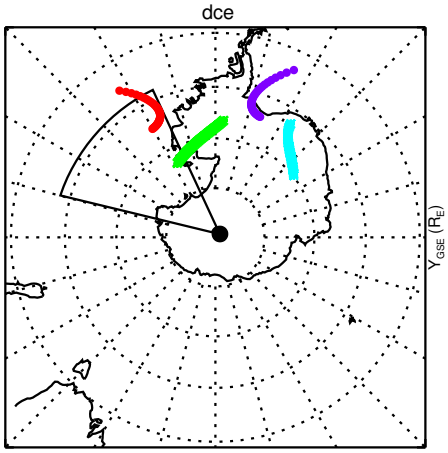


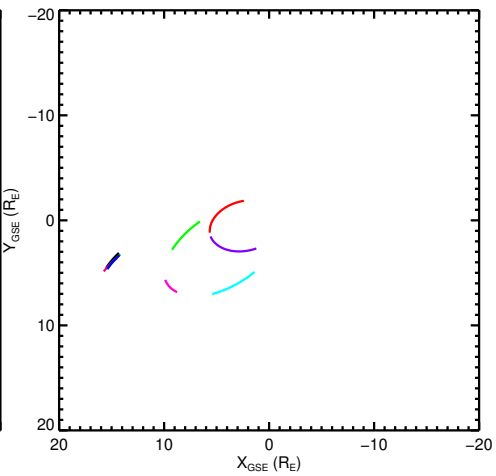


(e) 1635UT to 1945UT
ade bks cve fhe fhw gbr wal

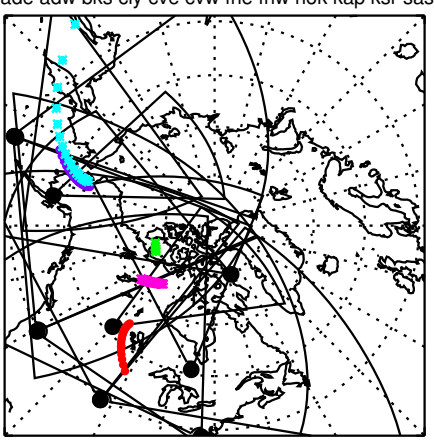


dce

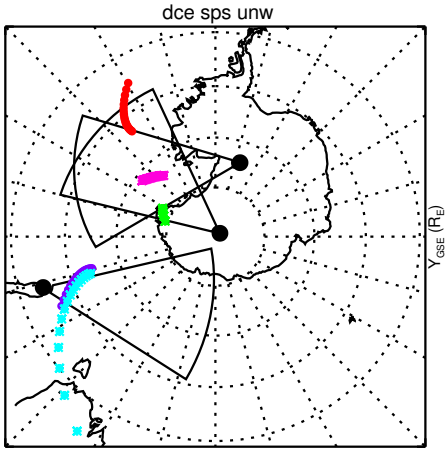


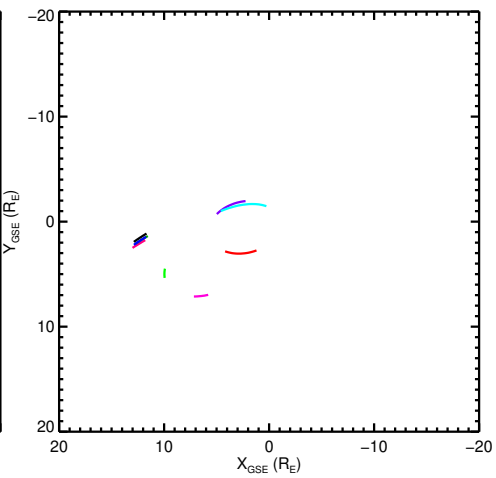


(f) 2150UT to 2325UT
ade adw bks cly cve cvw fhe fhw hok kap ksr sas



dce sps unw

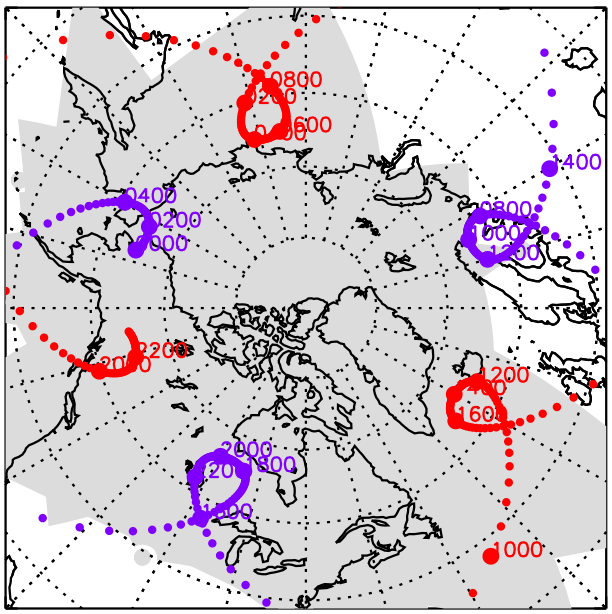


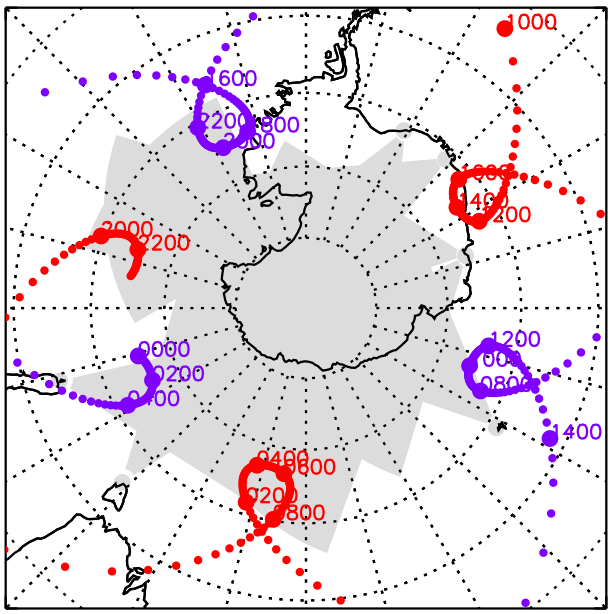


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

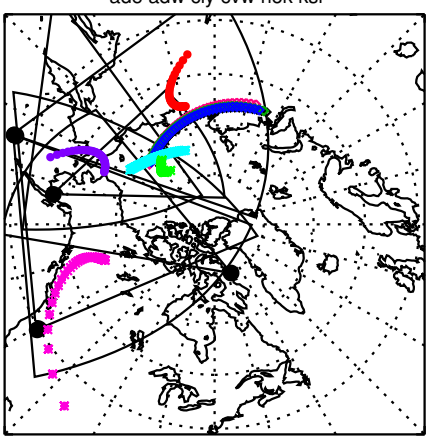
04–Feb–2014

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

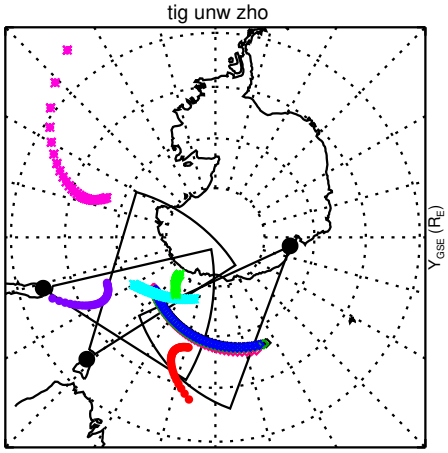


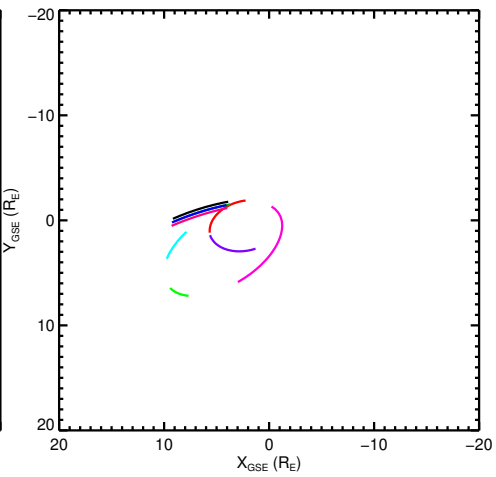


(a) 0130UT to 0445UT
ade adw cly cvw hok ksr

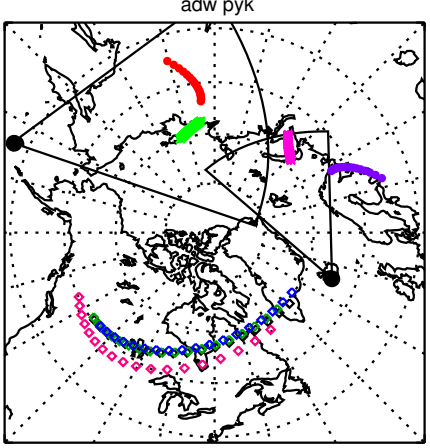


tig unw zho

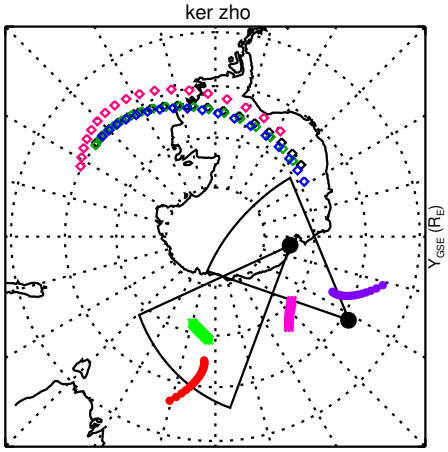


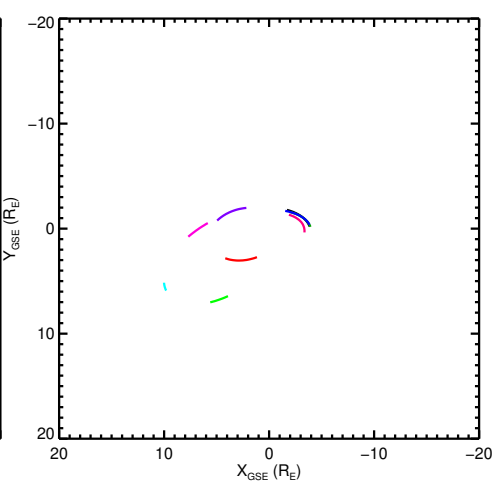


(b) 0650UT to 0825UT
adw pyk



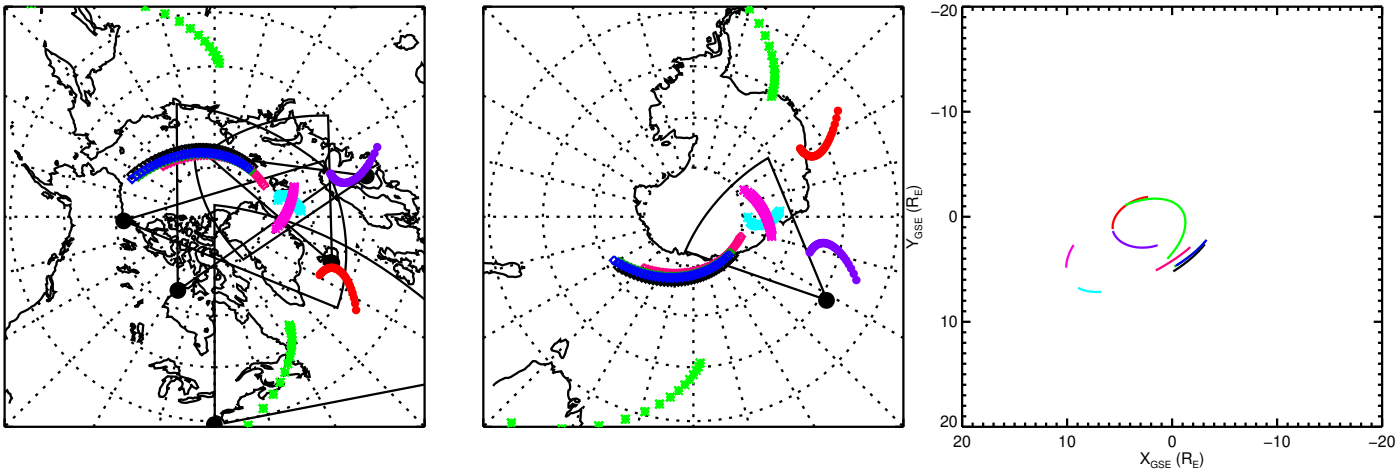
ker zho



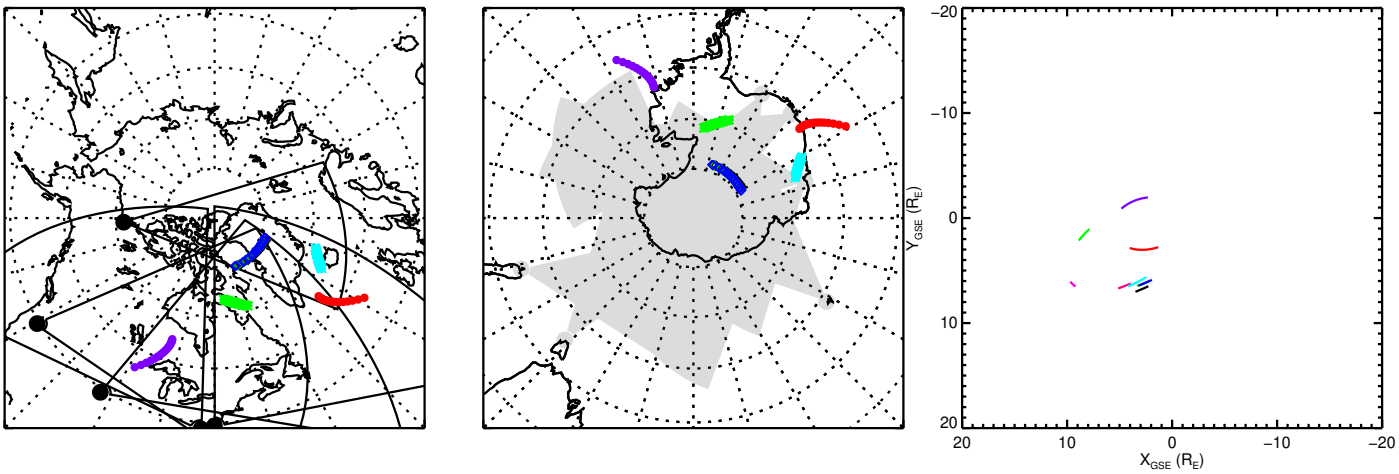


(c) 1030UT to 1345UT
han inv pyk rkn wal

ker

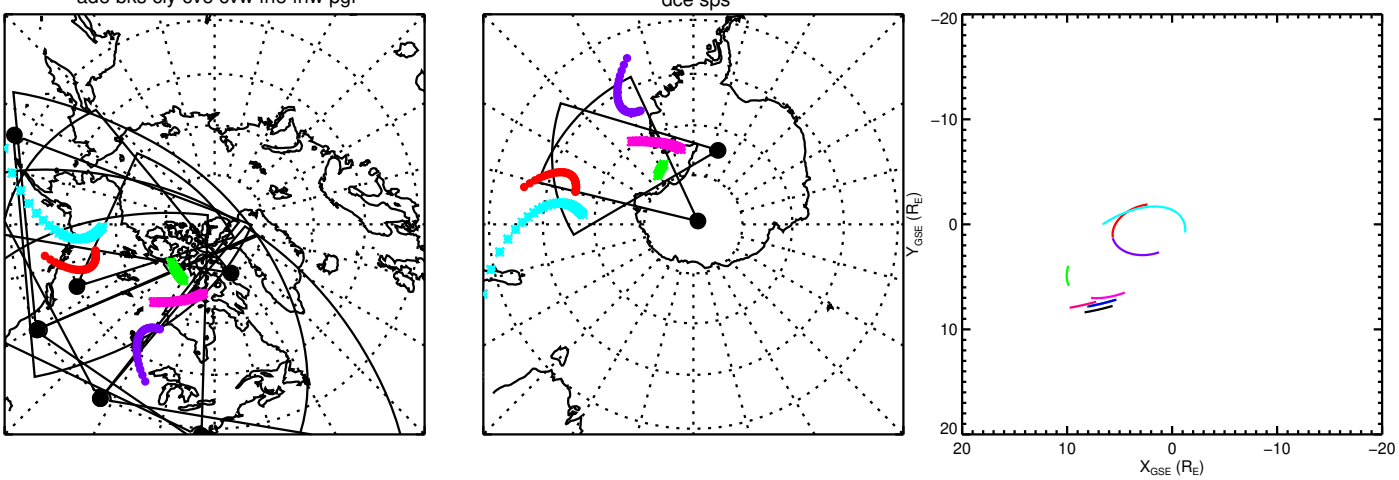


(d) 1555UT to 1720UT
bks cve fhe inv wal



(e) 1930UT to 2250UT
ade bks cly cve cvw fhe fhw pgr

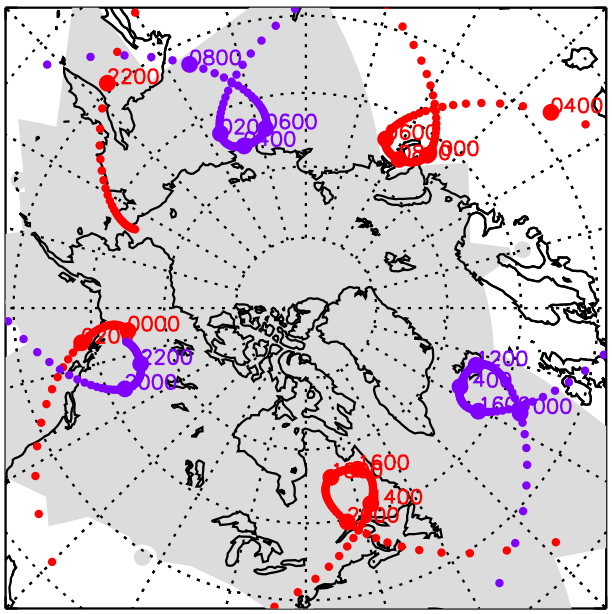
dce sps

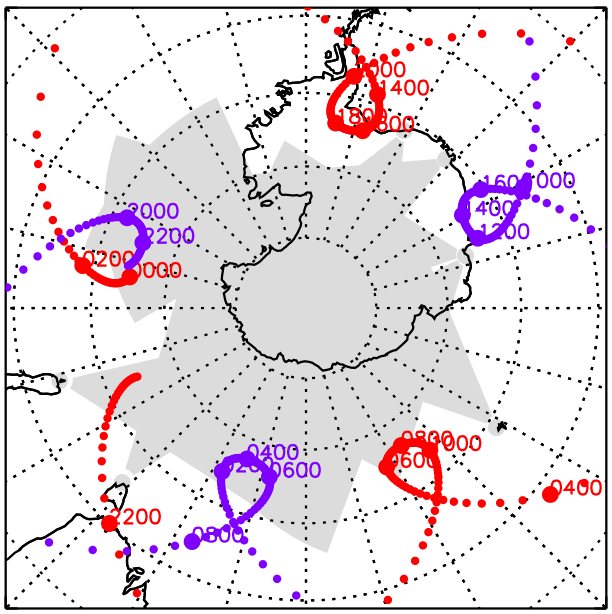


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

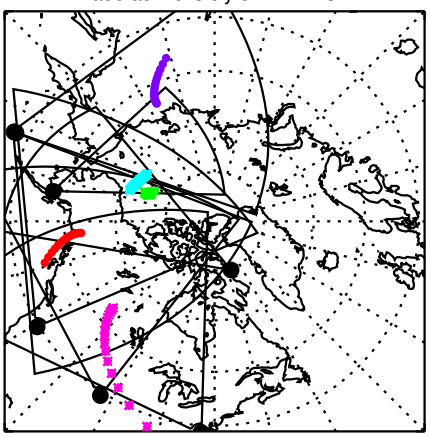
05–Feb–2014

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

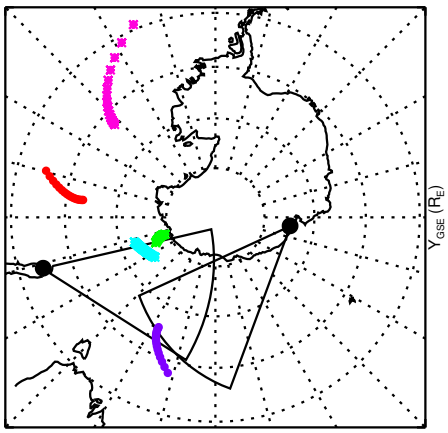


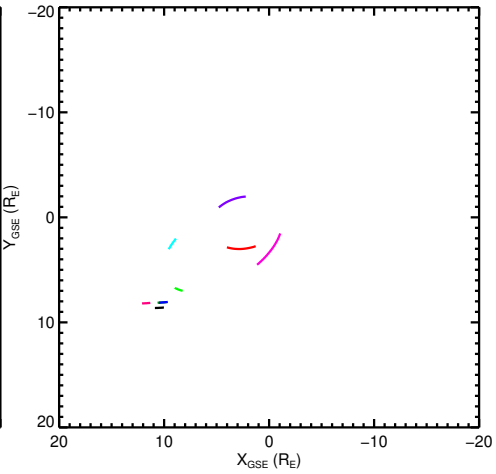


(a) 0055UT to 0220UT
ade adw bks cly cvw fhw ksr

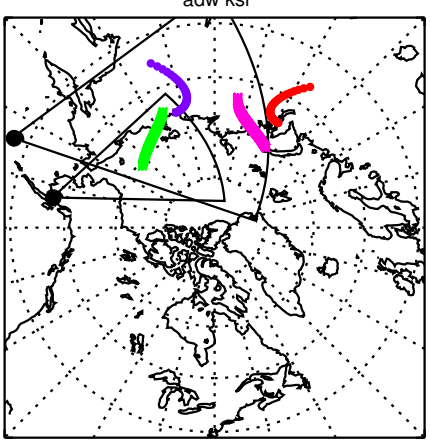


unw zho

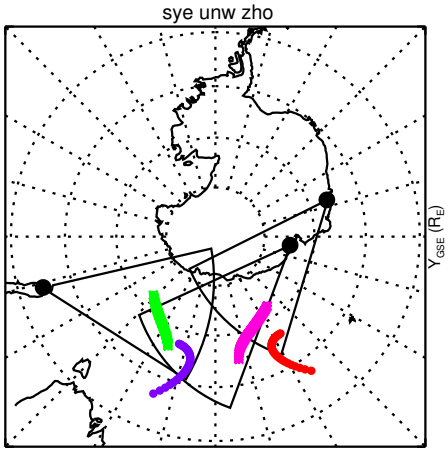


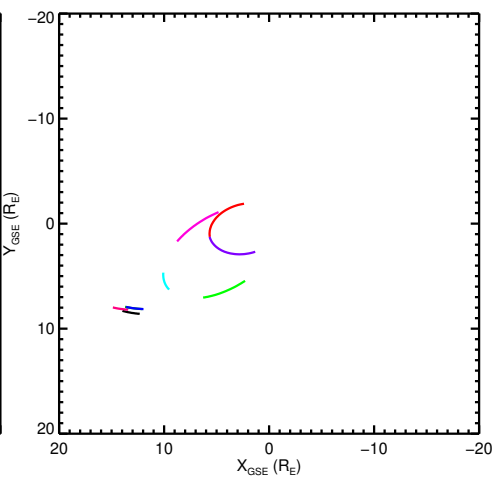


(b) 0430UT to 0750UT
adw ksr

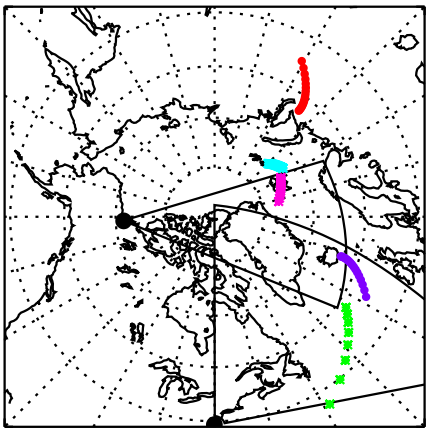


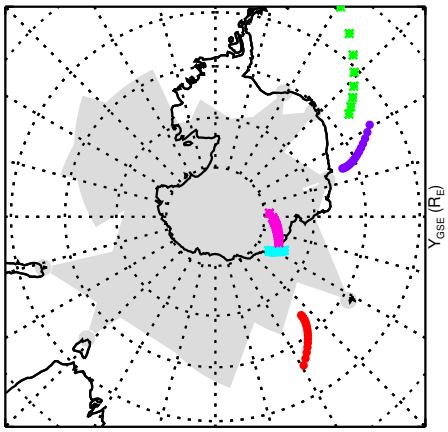
sye unw zho

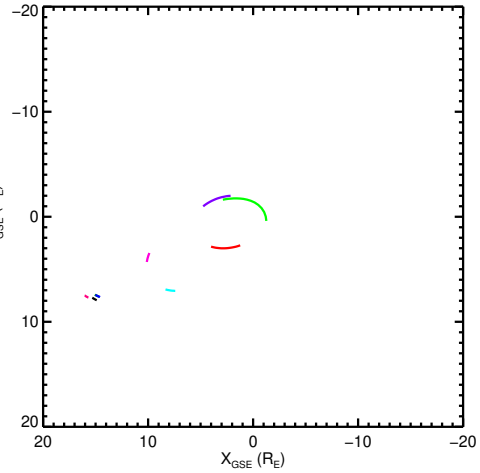




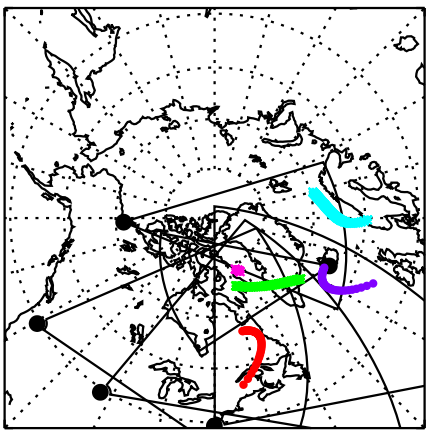
(c) 0955UT to 1120UT
inv wal

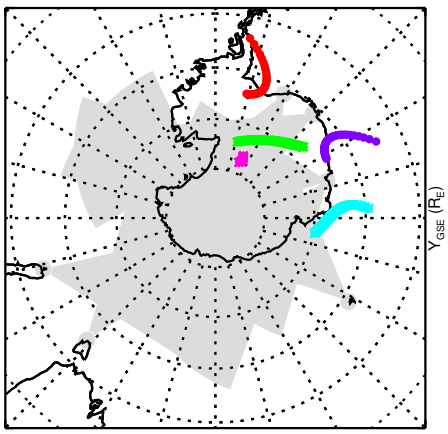


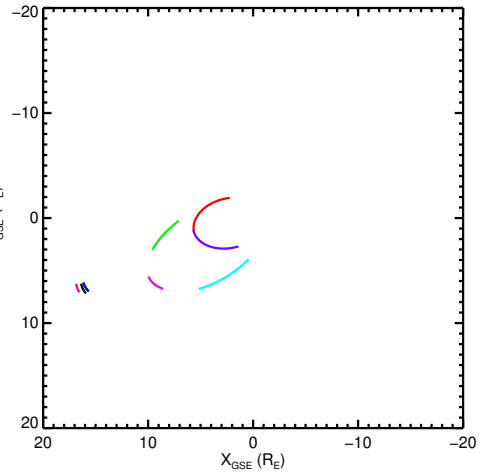




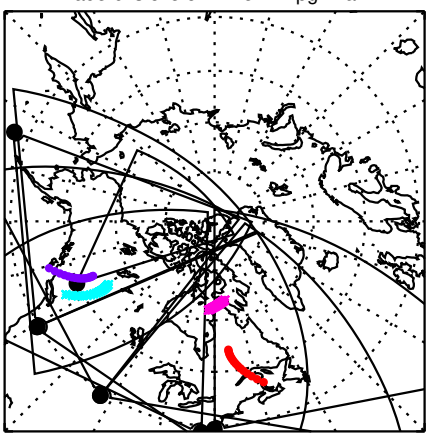
(d) 1325UT to 1650UT
cve fhe inv sto wal



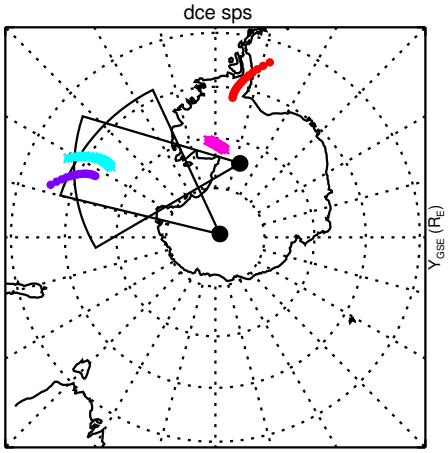


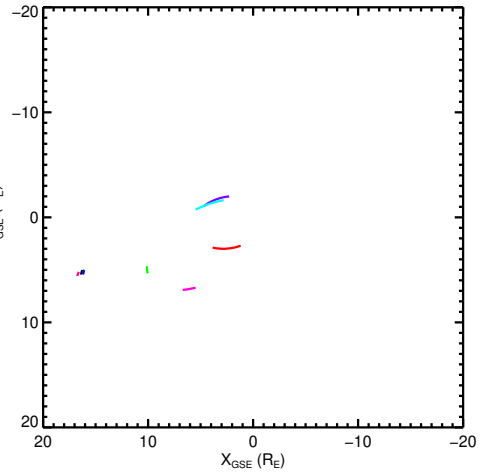


(e) 1900UT to 2020UT
ade bks cve cvw fhe fhw pgr wal

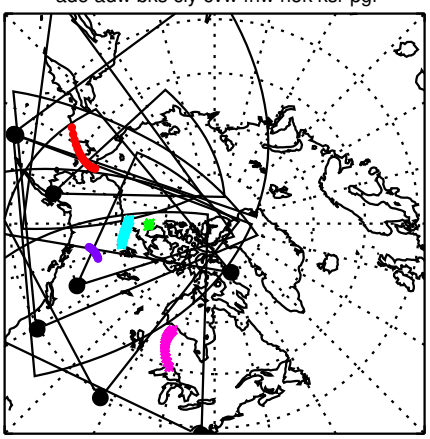


dce sps

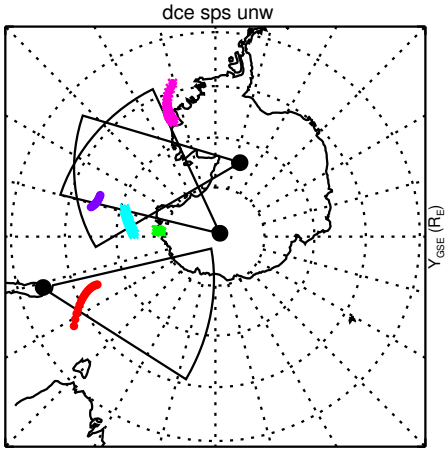


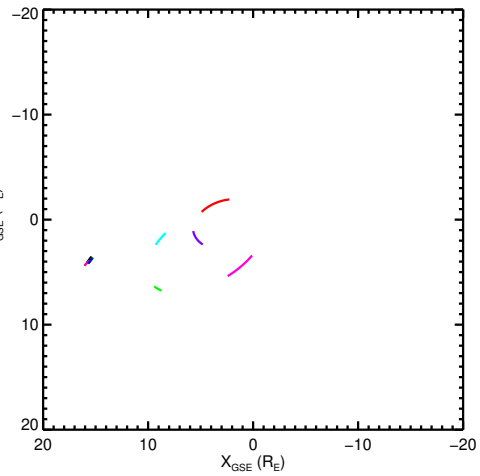


(f) 2225UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr



dce sps unw

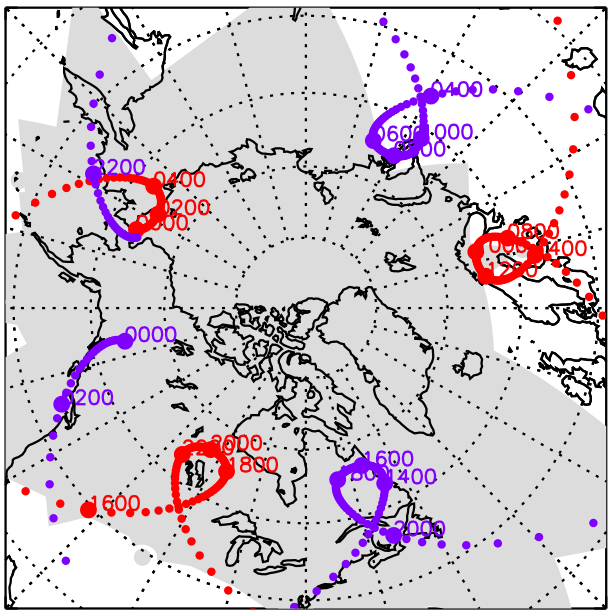


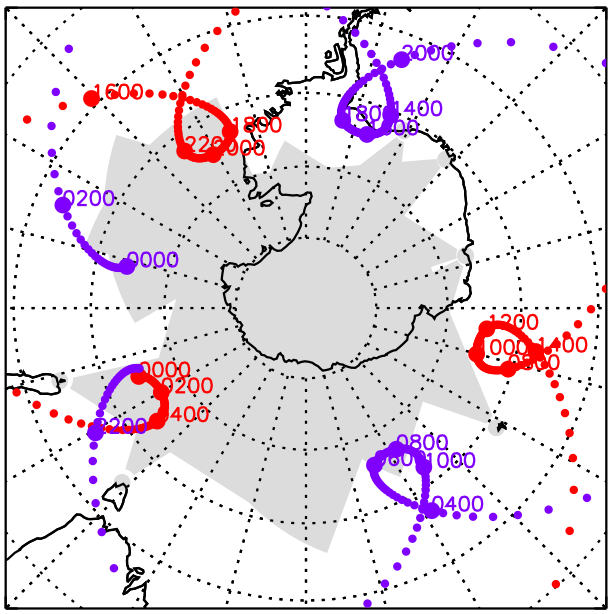


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

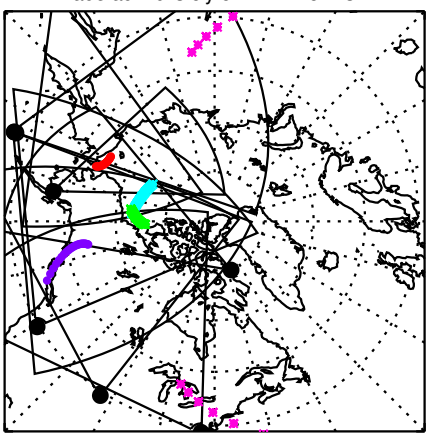
06–Feb–2014

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

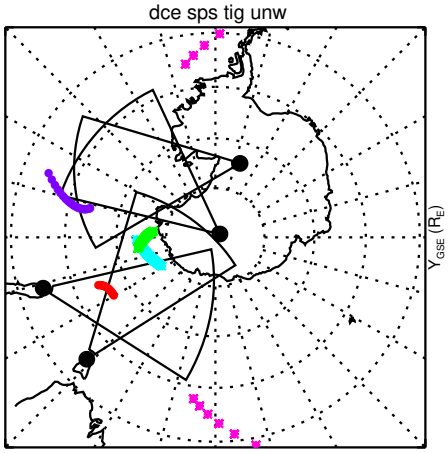


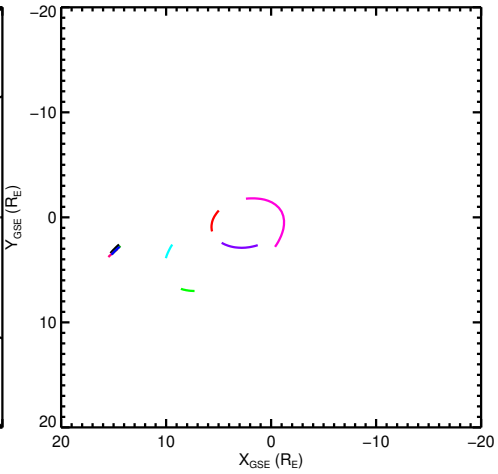


(a) 0000UT to 0155UT
ade adw bks cly cvw fhw hok ksr

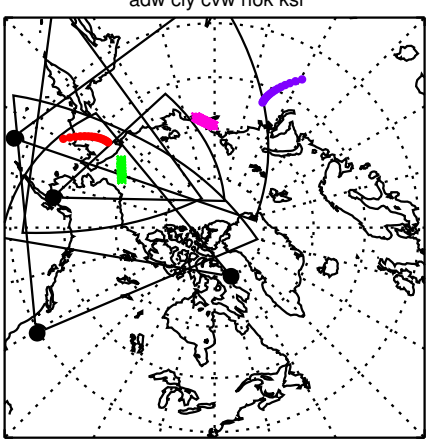


dce sps tig unw

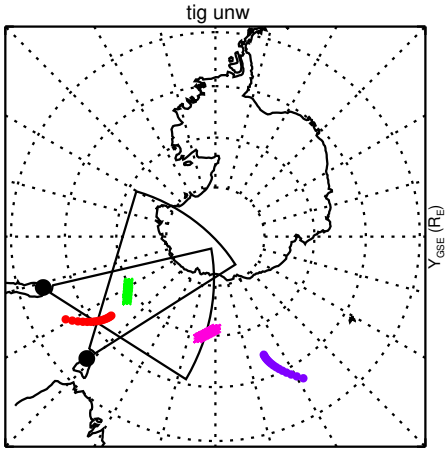


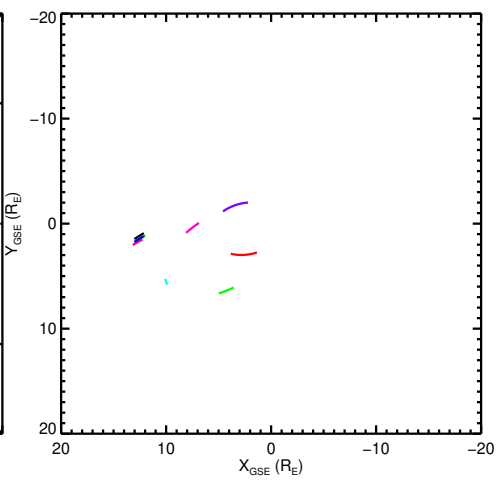


(b) 0400UT to 0515UT
adw cly cvw hok ksr

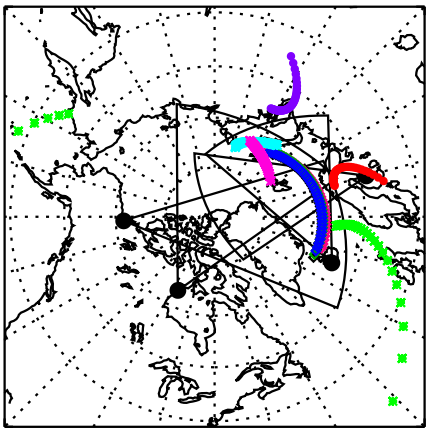


tig unw





(c) 0725UT to 1055UT
han inv pyk rkn



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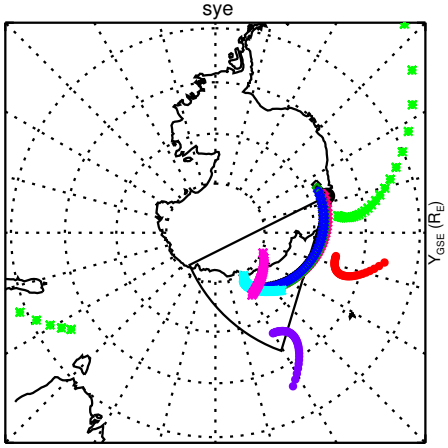
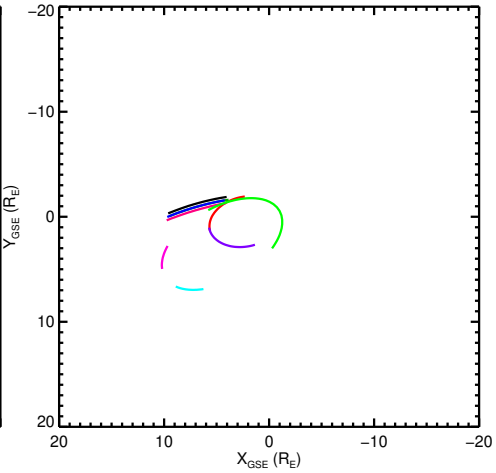
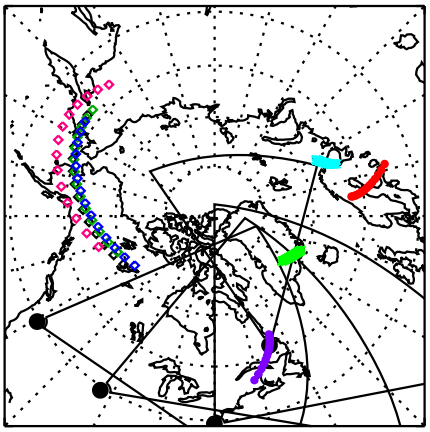
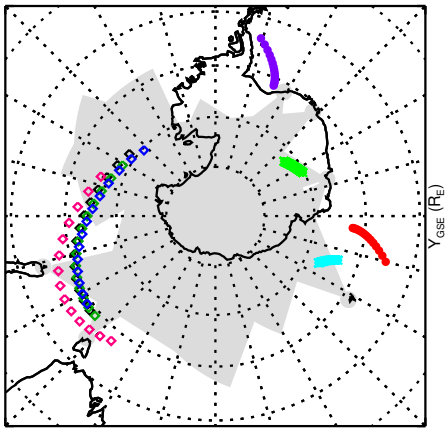
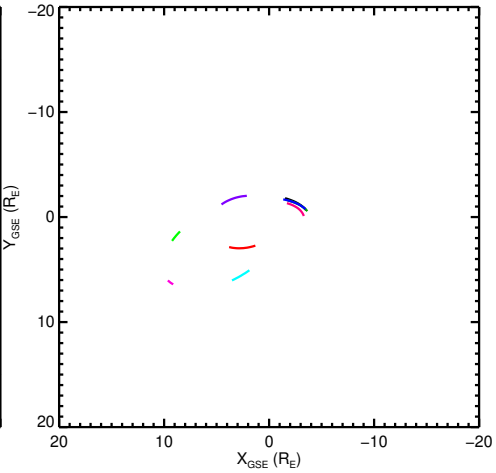




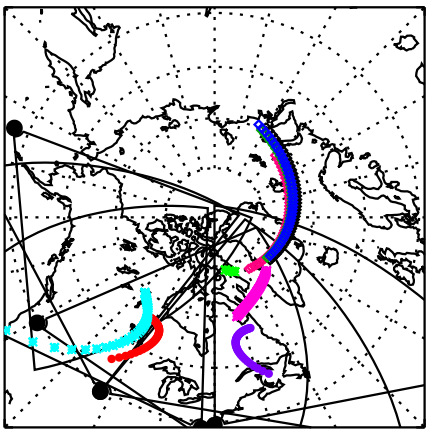
(d) 1300UT to 1415UT
cve fhe gbr wal



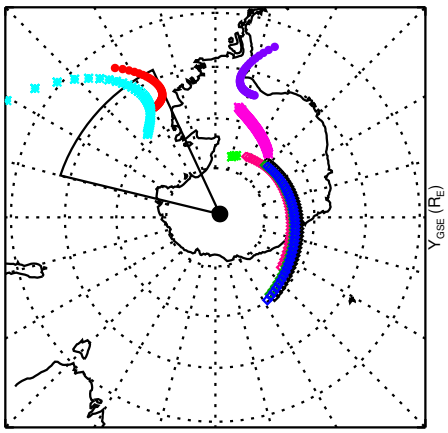


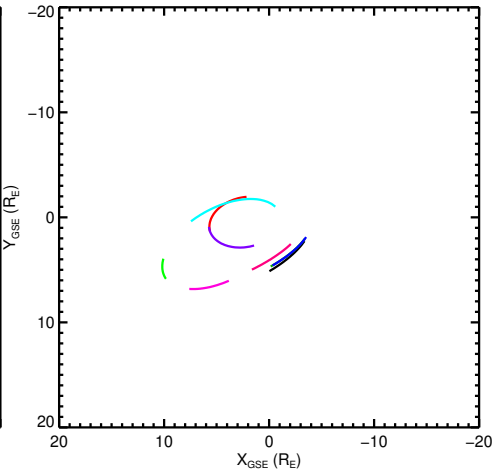


(e) 1620UT to 1955UT
ade bks cve fhe fhw wal

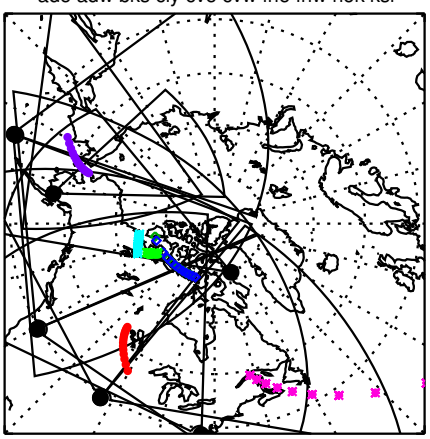


dce

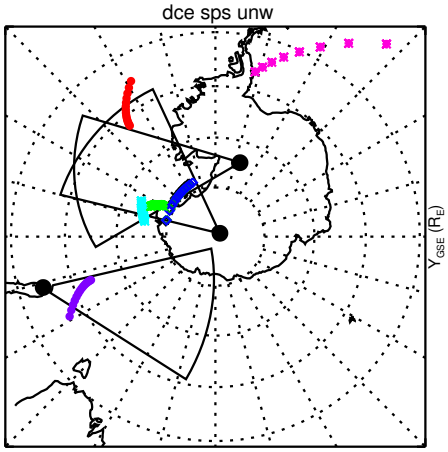


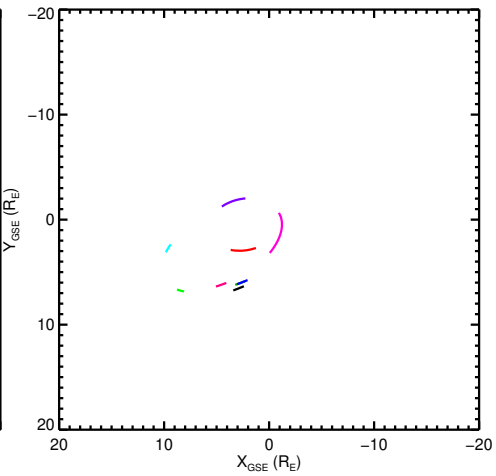


(f) 2205UT to 2315UT
ade adw bks cly cve cvw fhe fhw hok ksr



dce sps unw

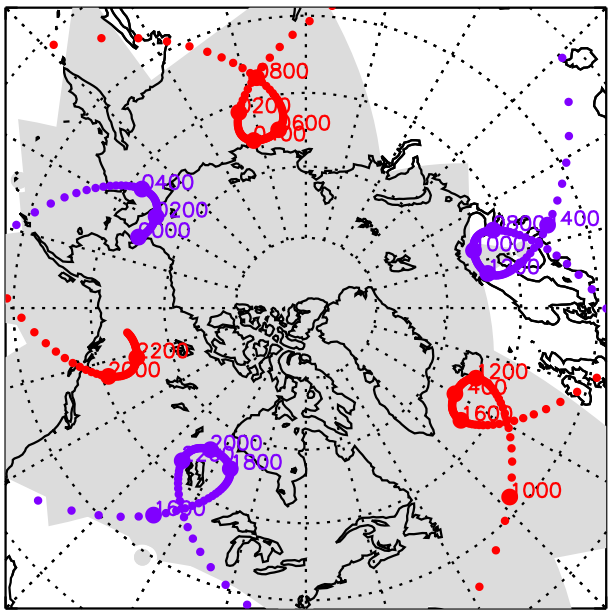


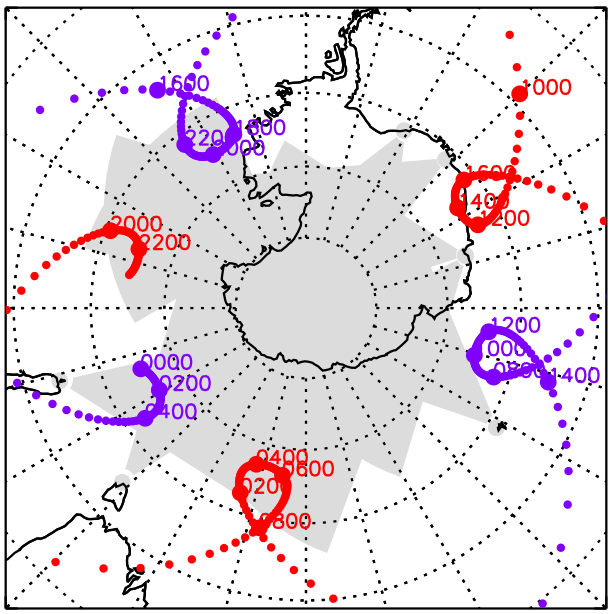


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

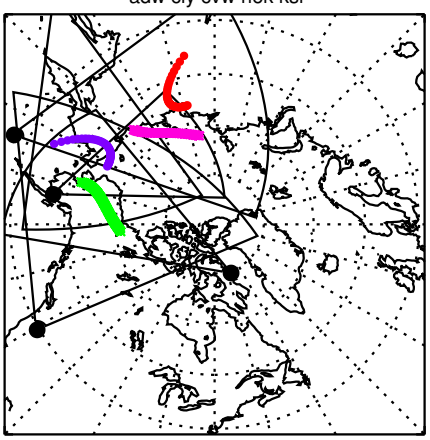
07–Feb–2014

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

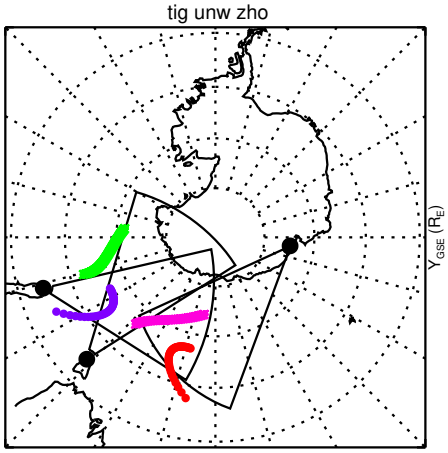


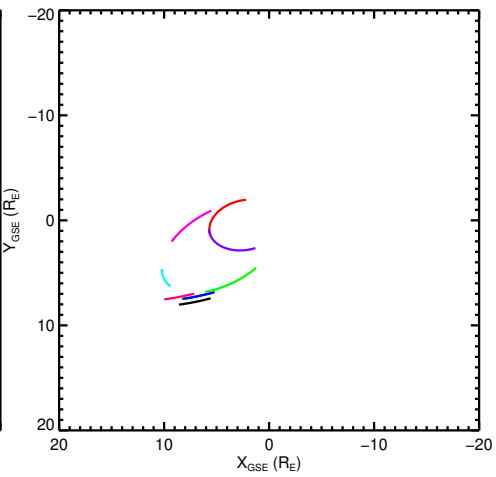


(a) 0120UT to 0500UT
adw cly cvw hok ksr

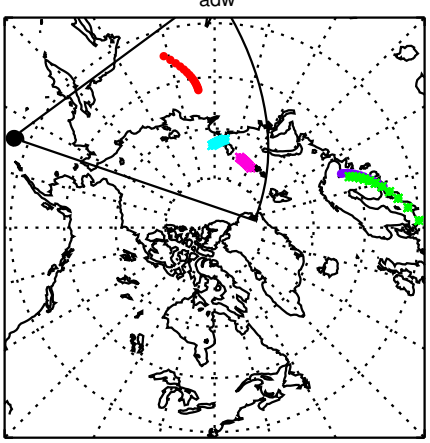


tig unw zho

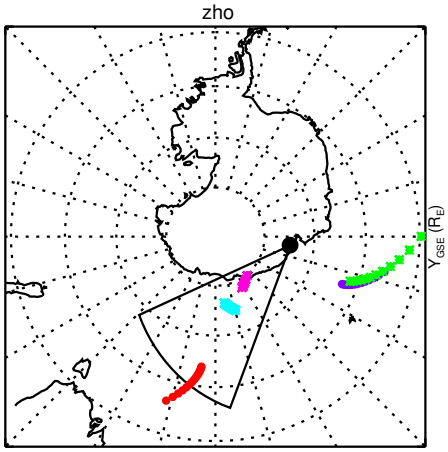


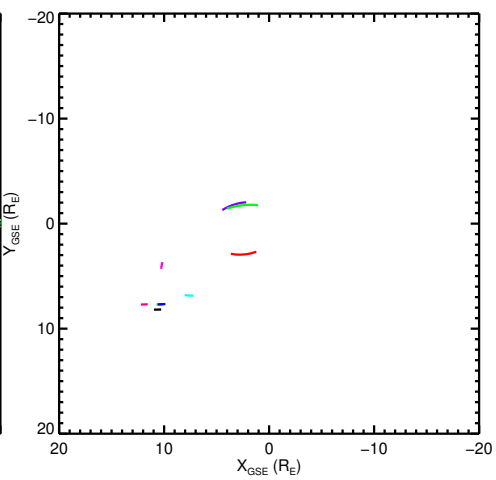


(b) 0705UT to 0815UT
adw

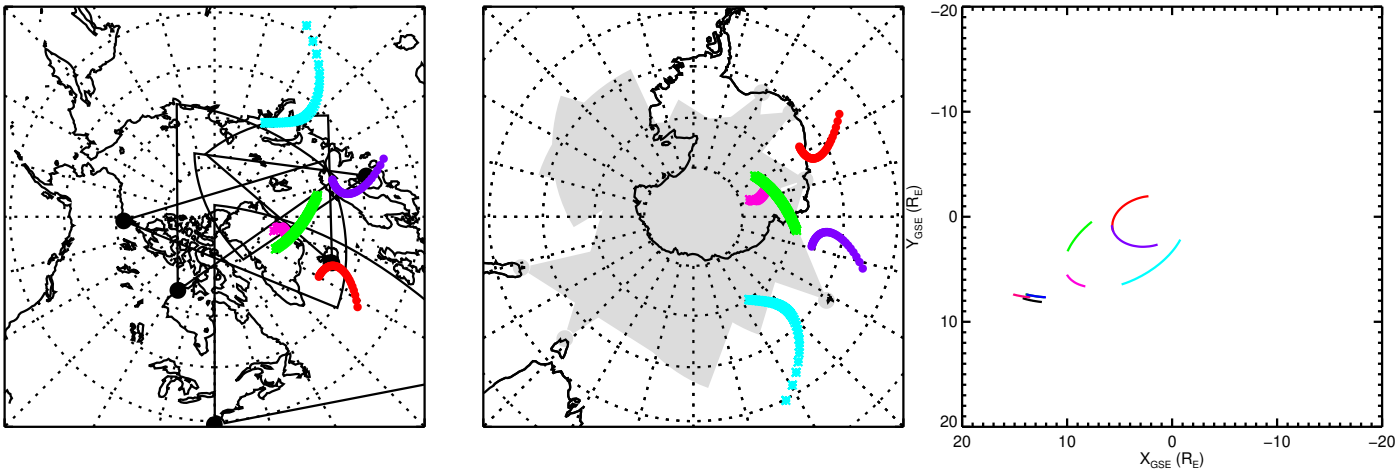


zho



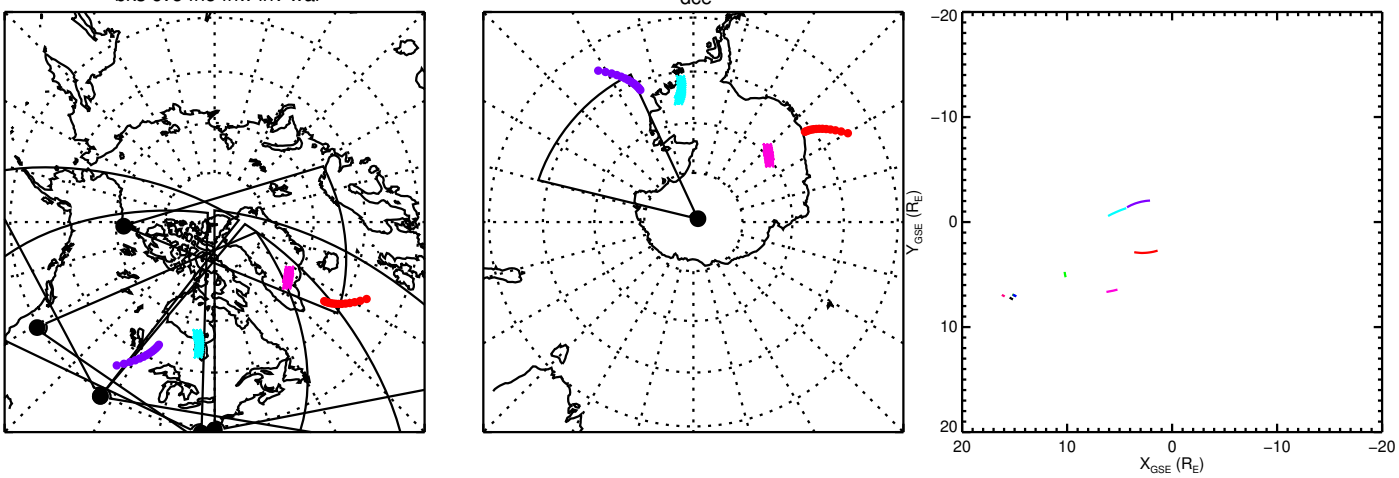


(c) 1020UT to 1400UT
han inv pyk rkn wal



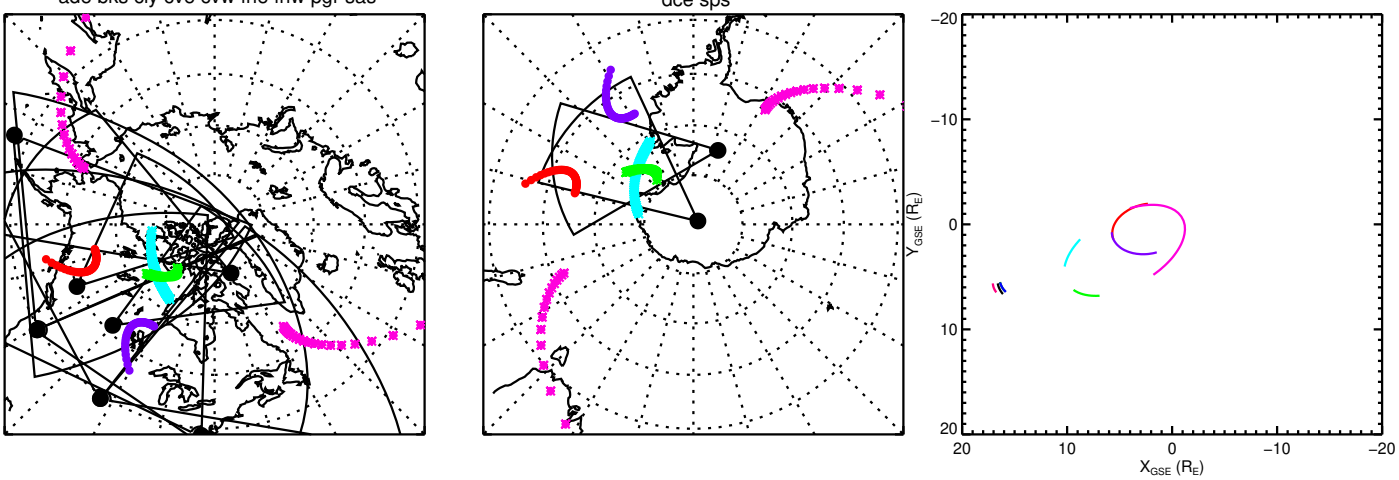
(d) 1605UT to 1710UT
bks cve fhe fhw inv wal

dce



(e) 1920UT to 2300UT
ade bks cly cve cvw fhe fhw pgr sas

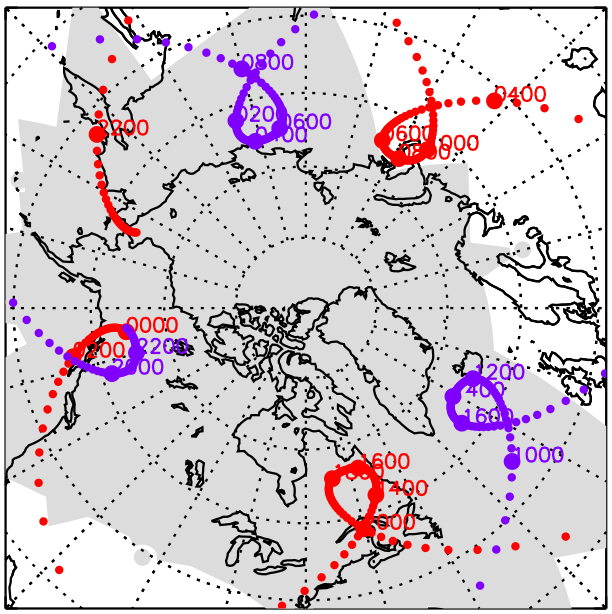
dce sps

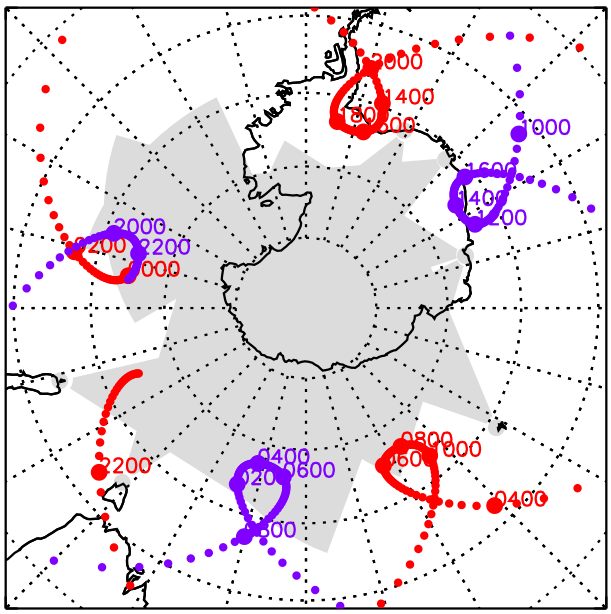


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

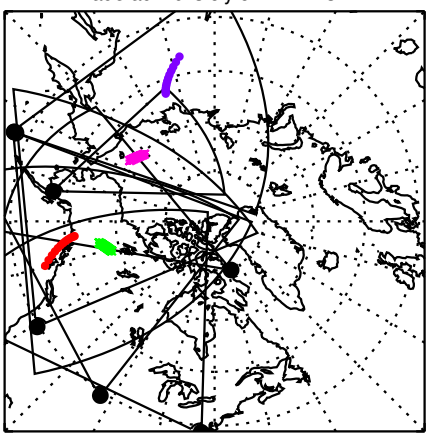
08–Feb–2014

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

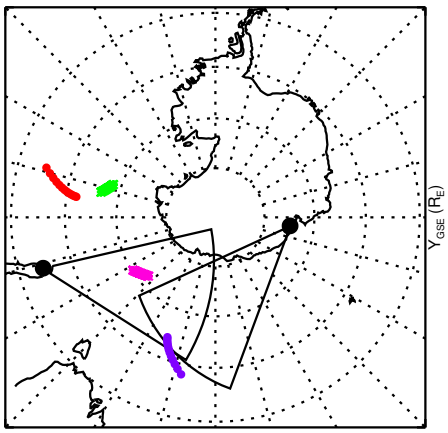


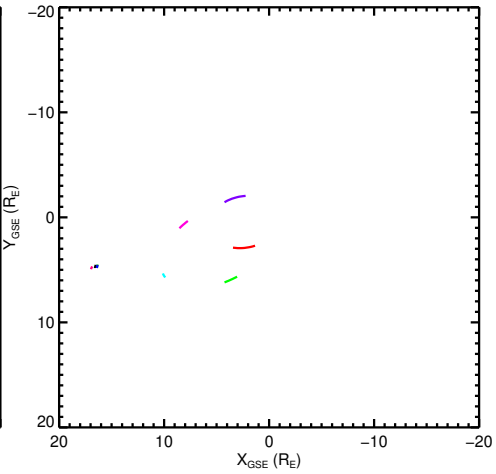


(a) 0110UT to 0210UT
ade adw bks cly cvw fhw ksr

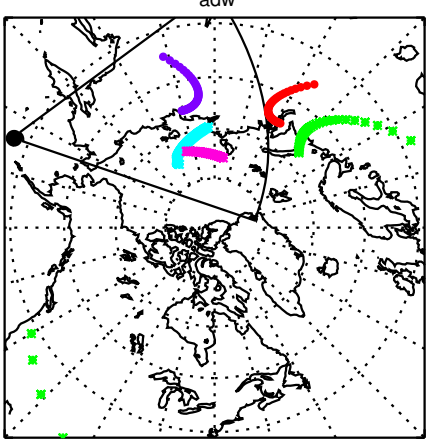


unw zho

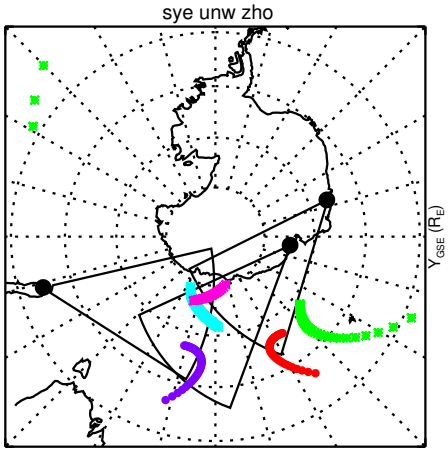


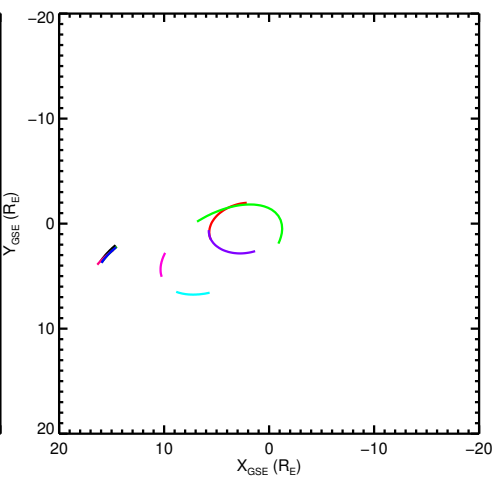


(b) 0415UT to 0805UT
adw

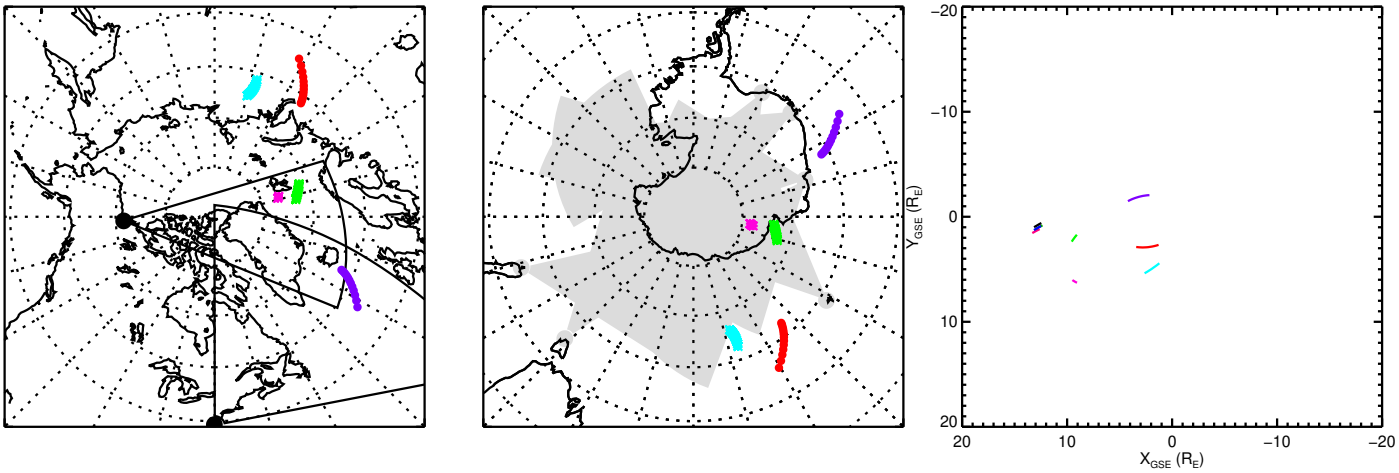


sye unw zho

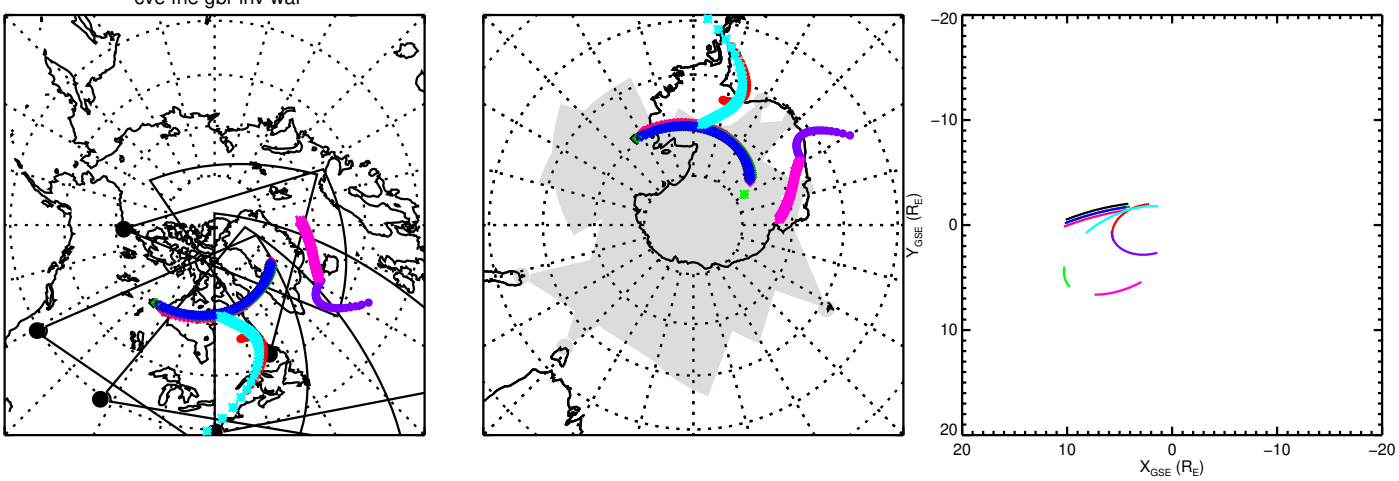




(c) 1010UT to 1110UT
inv wal

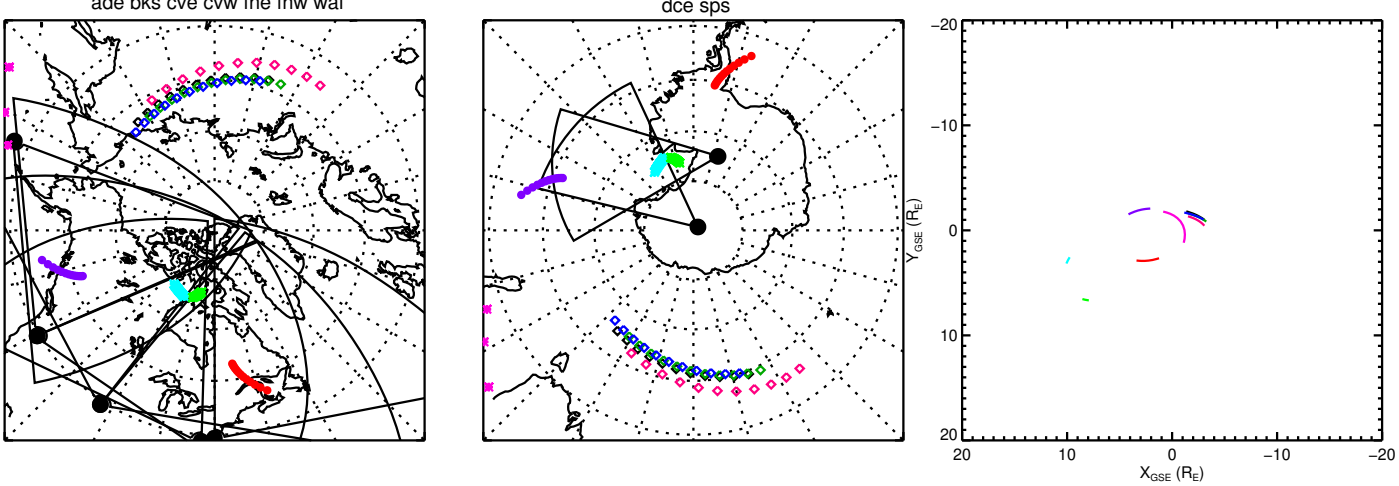


(d) 1315UT to 1705UT
cve fhe gbr inv wal



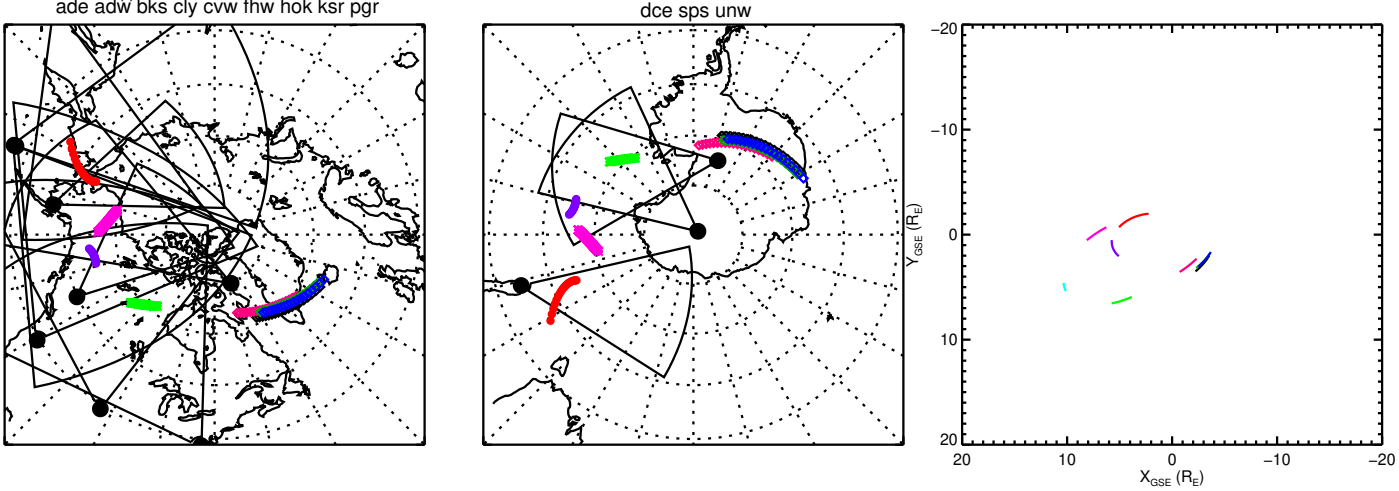
(e) 1910UT to 2010UT
ade bks cve cvw fhe fhw wal

dce sps



(f) 2215UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr

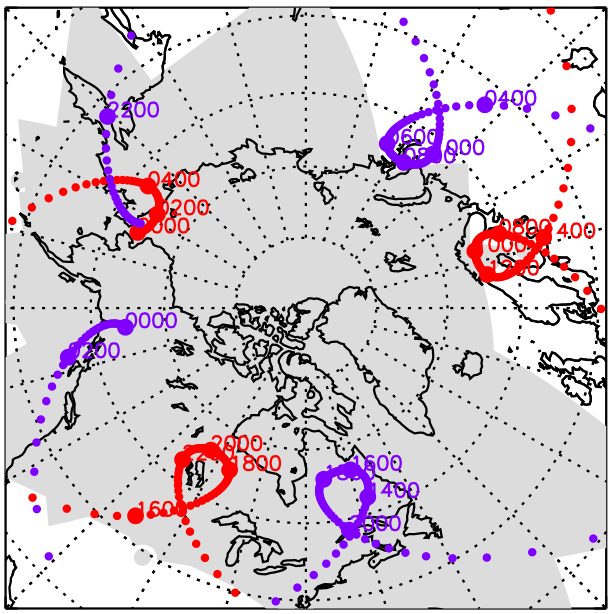
dce sps unw

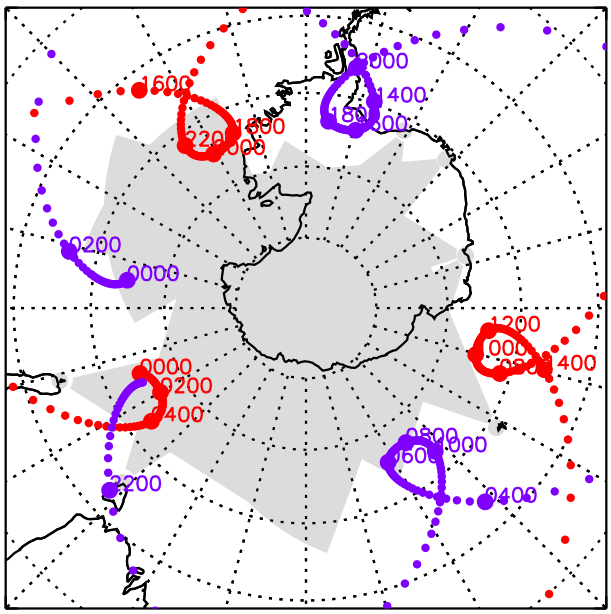


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

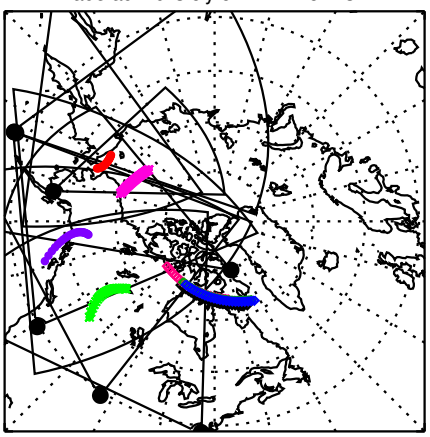
09–Feb–2014

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

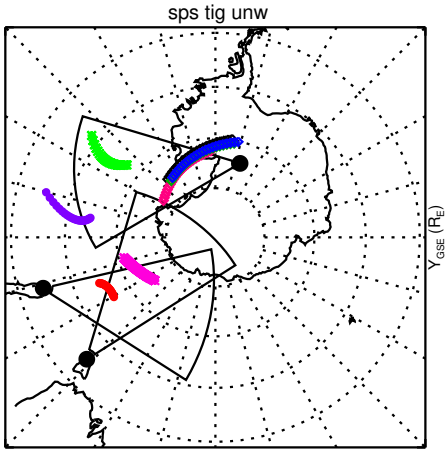


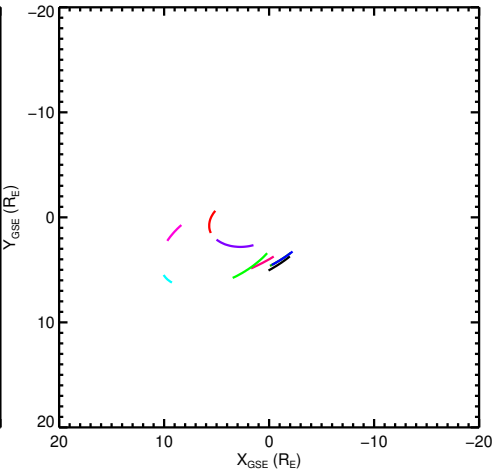


(a) 0000UT to 0205UT
ade adw bks cly cvw fhw hok ksr

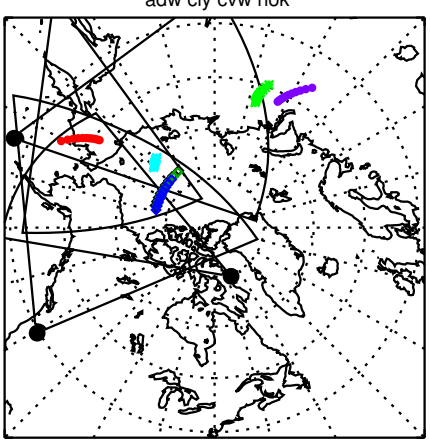


sps tig unw

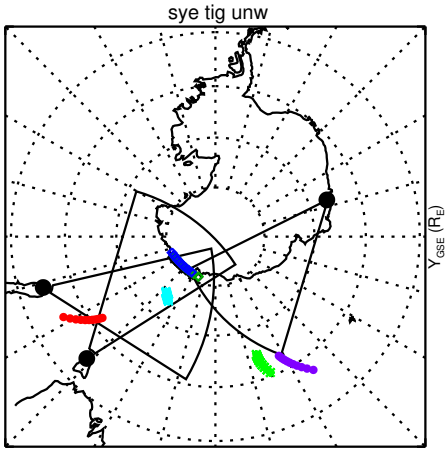


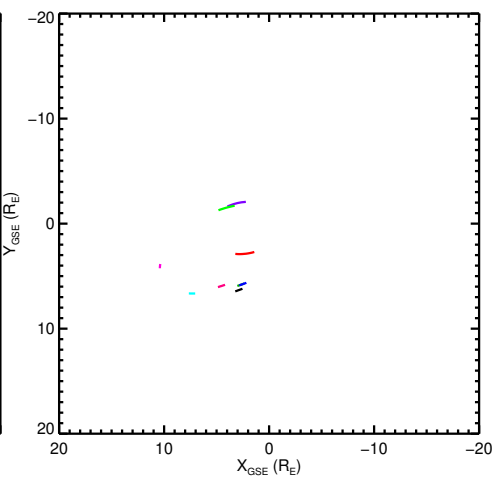


(b) 0415UT to 0505UT
adw cly cvw hok

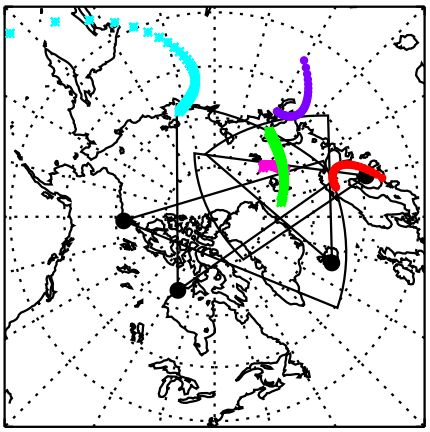


sye tig unw

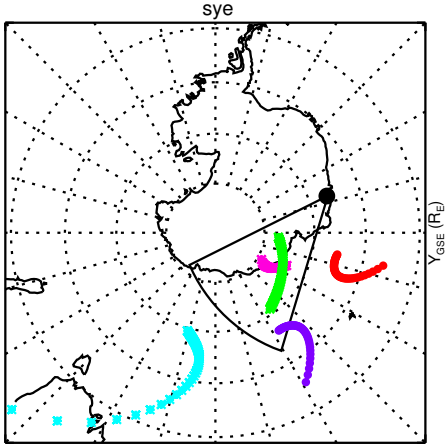


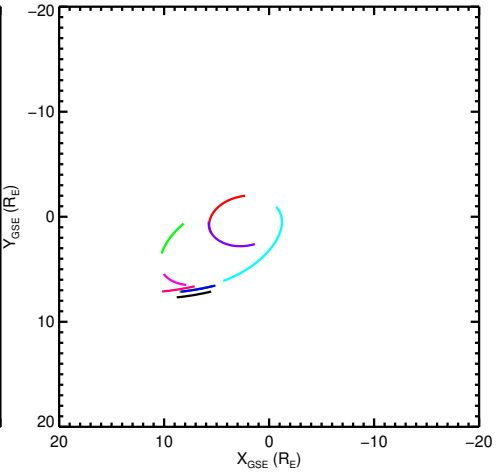


(c) 0715UT to 1110UT
han inv pyk rkn

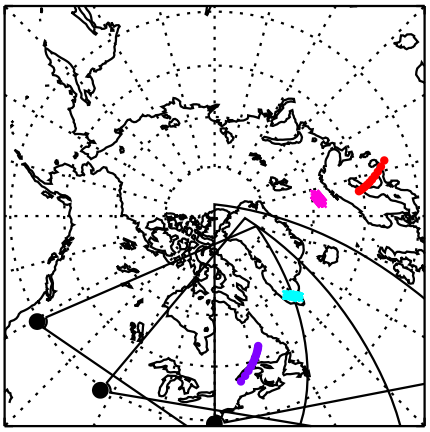


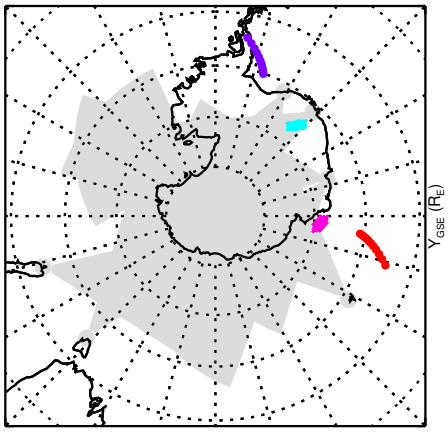
sye

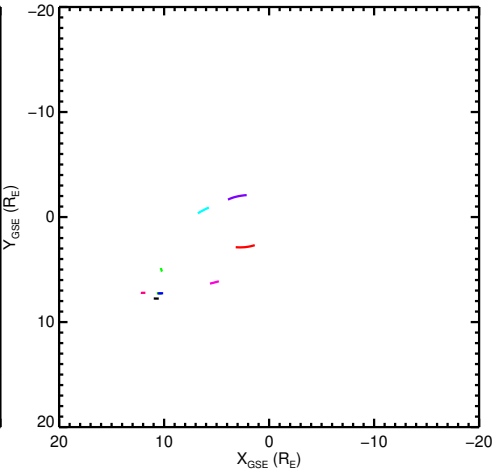




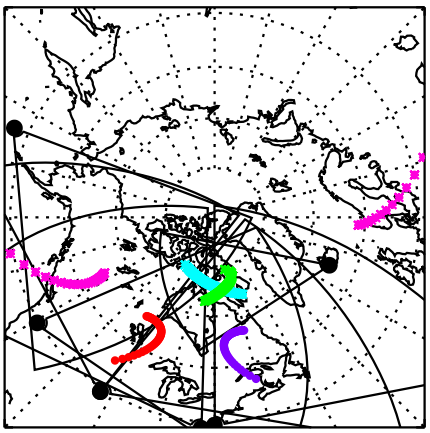
(d) 1315UT to 1405UT
cve fhe wal



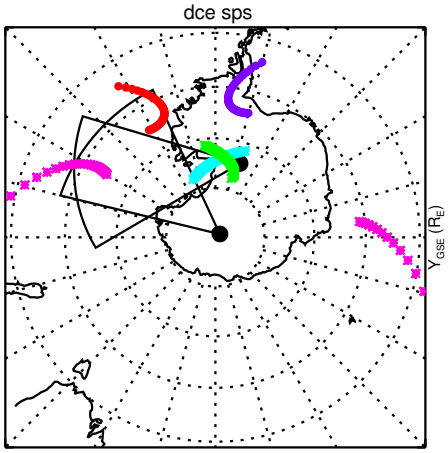


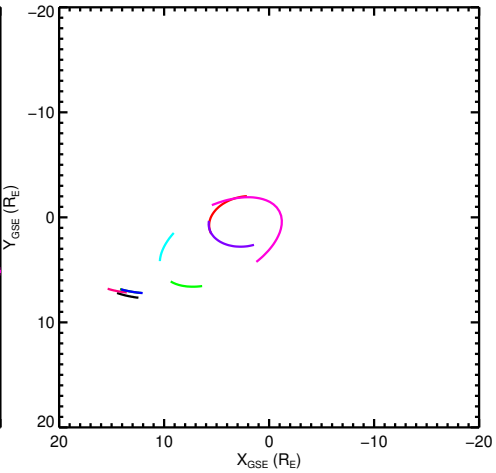


(e) 1610UT to 2010UT
ade bks cve fhe fhw sto wal

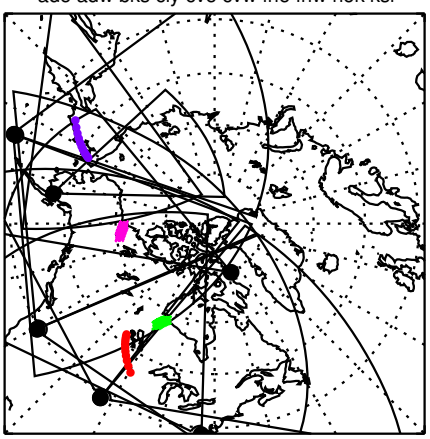


dce sps

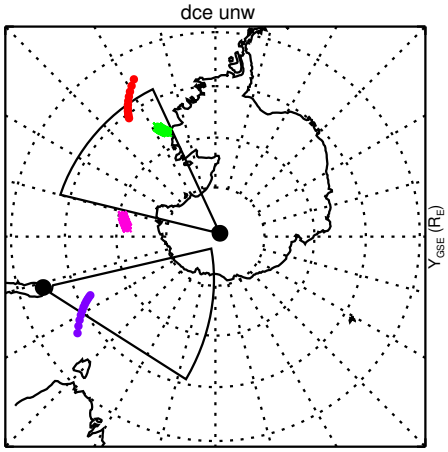


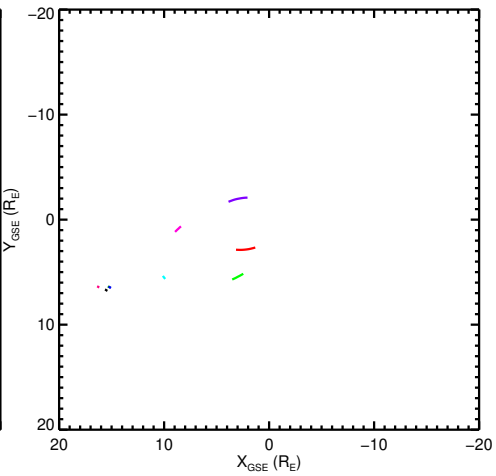


(f) 2215UT to 2305UT
ade adw bks cly cve cvw fhe fhw hok ksr



dce unw

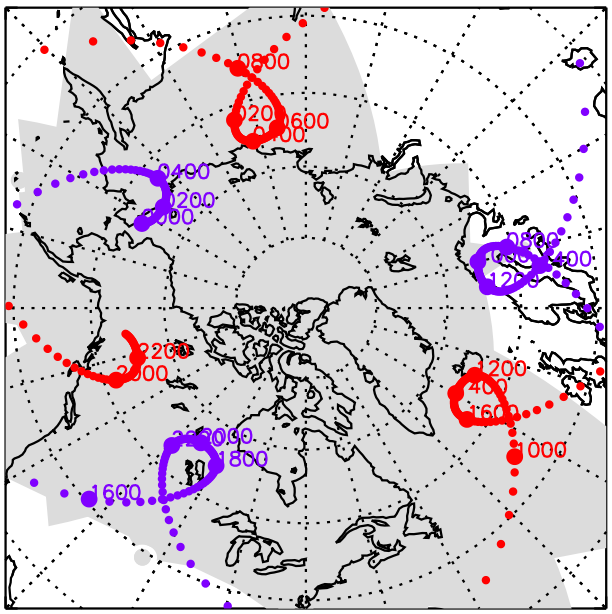


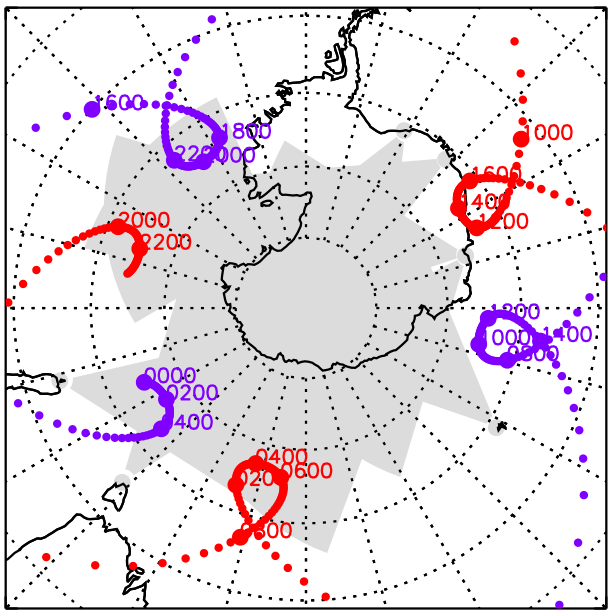


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

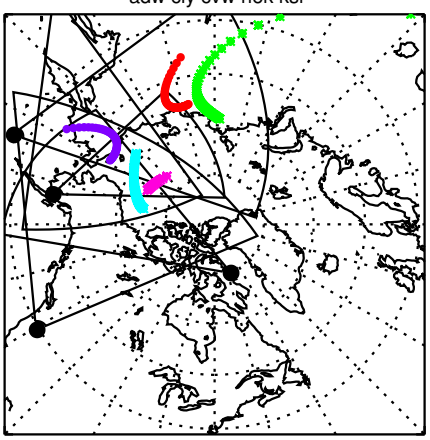
10–Feb–2014

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

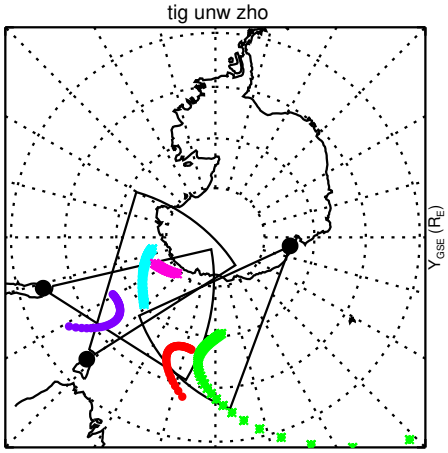


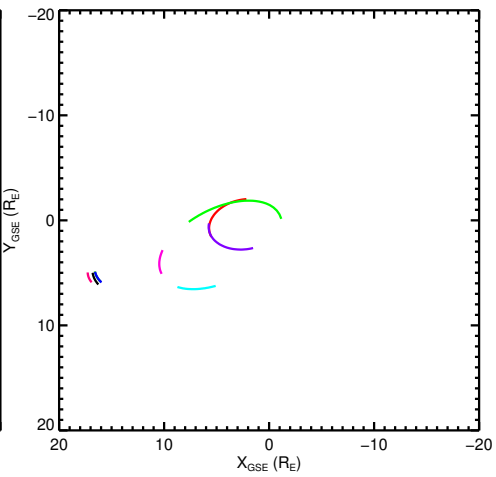


(a) 0110UT to 0510UT
adw cly cvw hok ksr

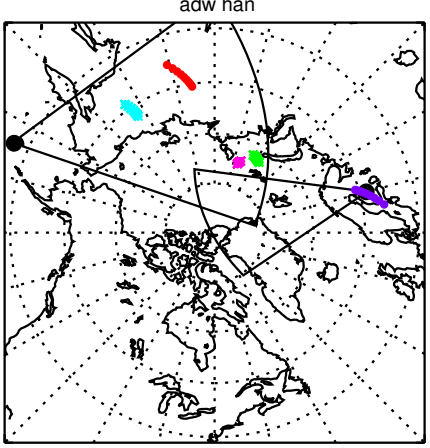


tig unw zho

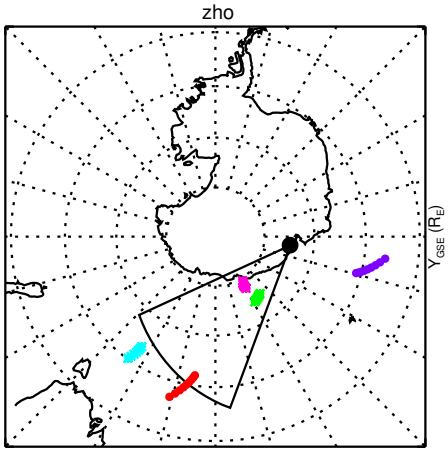


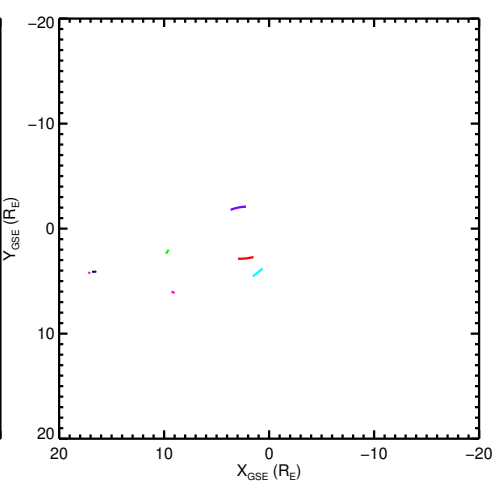


(b) 0720UT to 0800UT
adw han

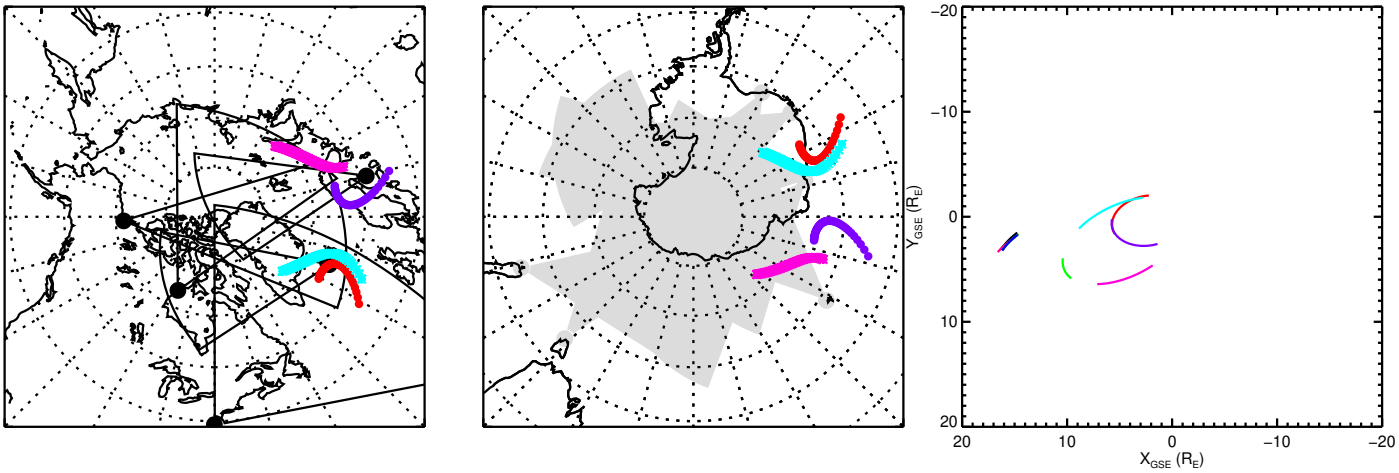


zho



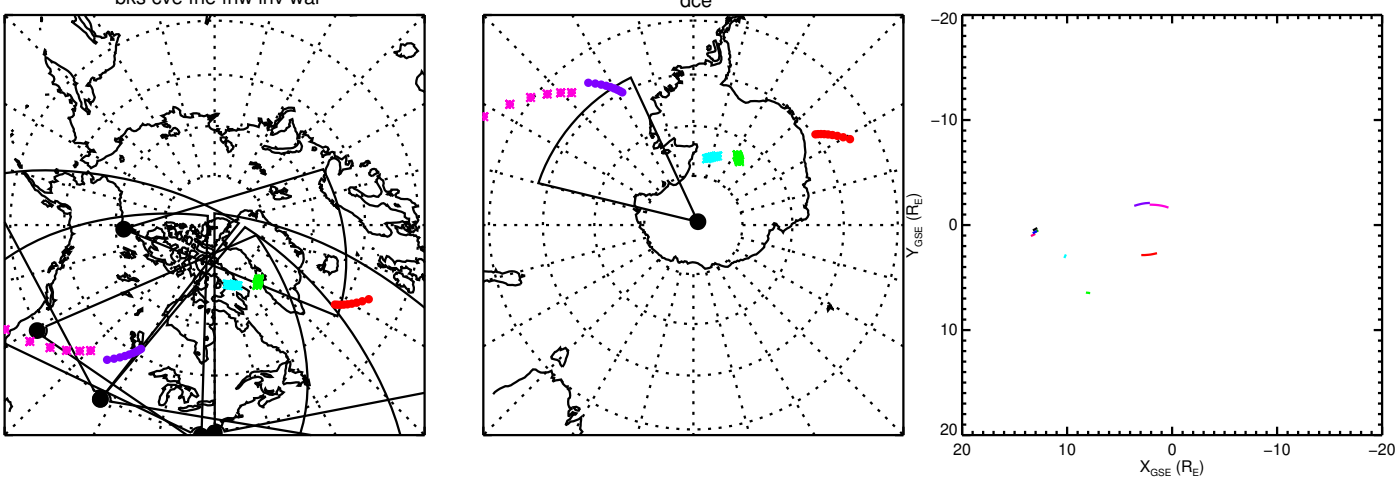


(c) 1010UT to 1415UT
han inv rkn sto wal



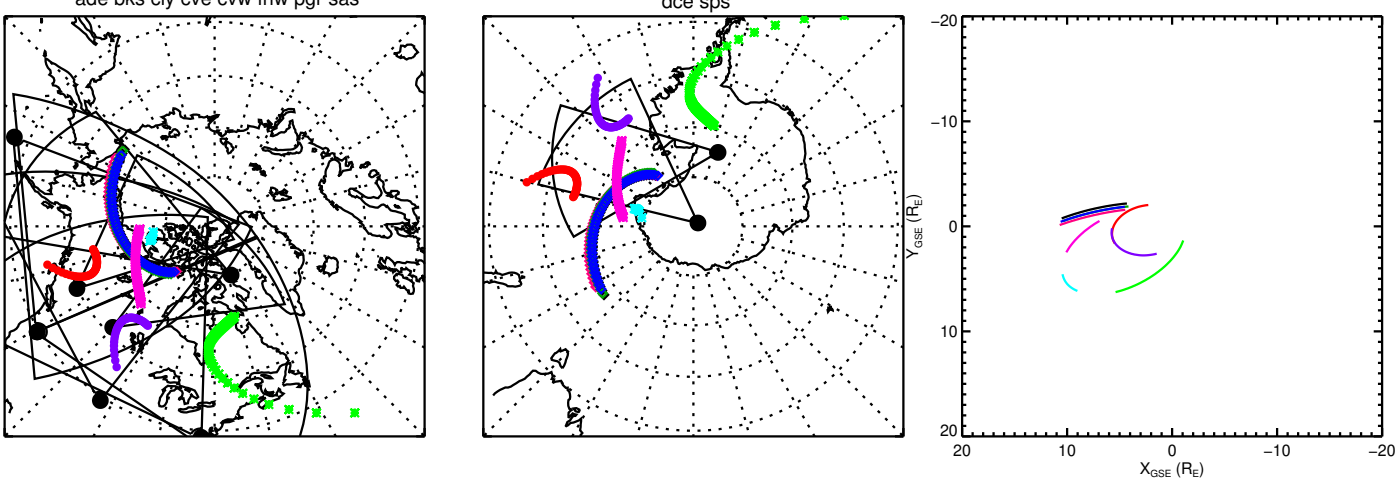
(d) 1620UT to 1700UT
bks cve fhe fhw inv wal

dce



(e) 1910UT to 2315UT
ade bks cly cve cvw fhw pgr sas

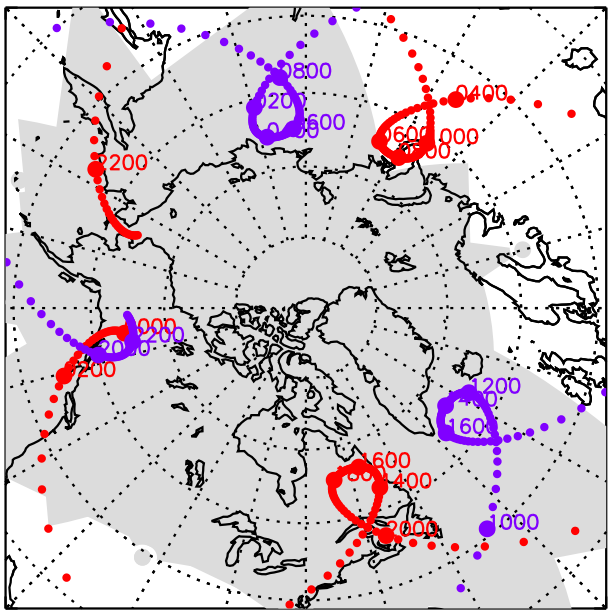
dce sps

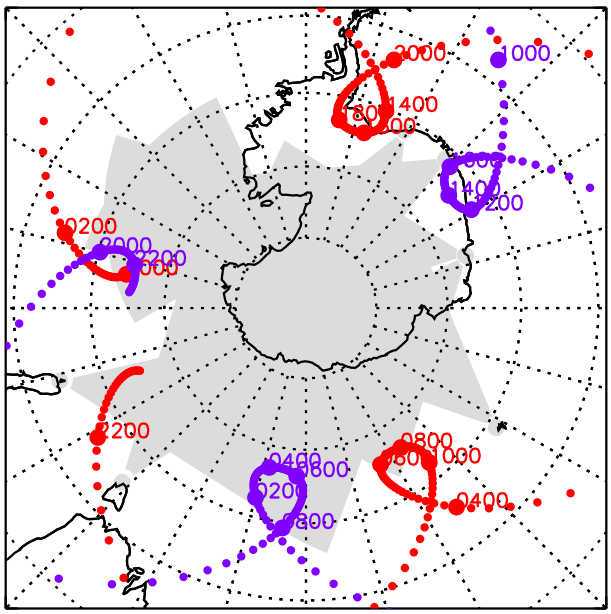


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

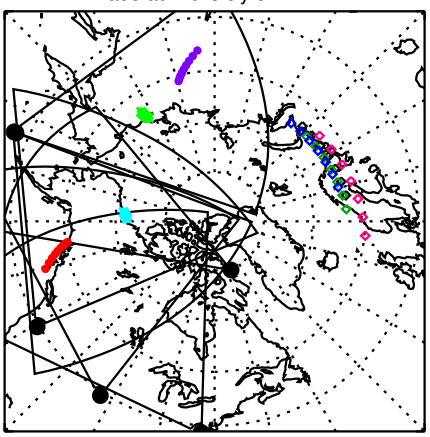
11−Feb−2014

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

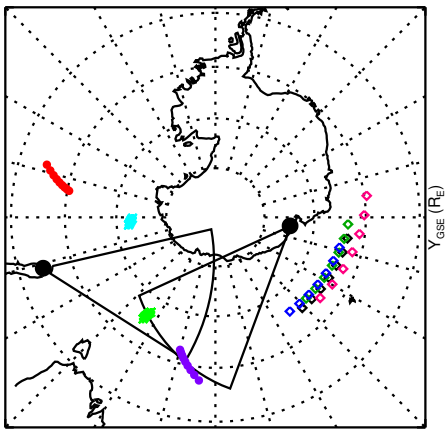


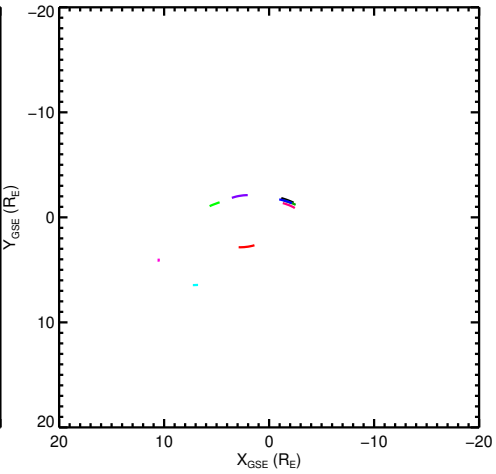


(a) 0120UT to 0200UT
ade adw bks cly cvw fhw

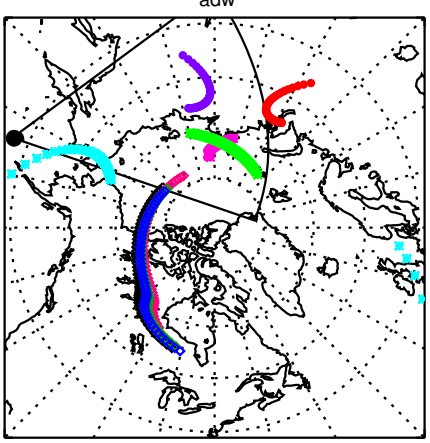


unw zho

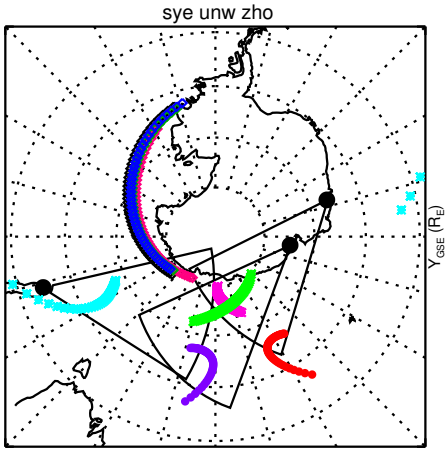


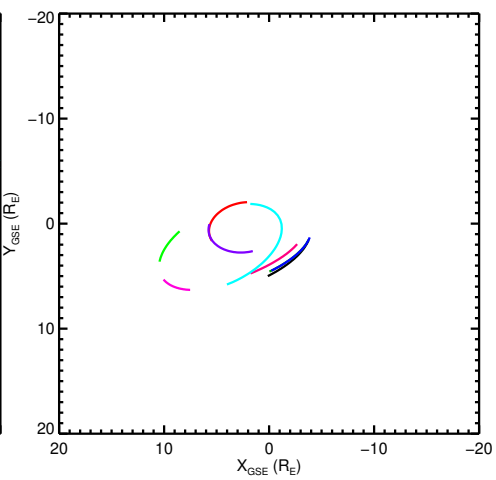


(b) 0405UT to 0815UT
adw

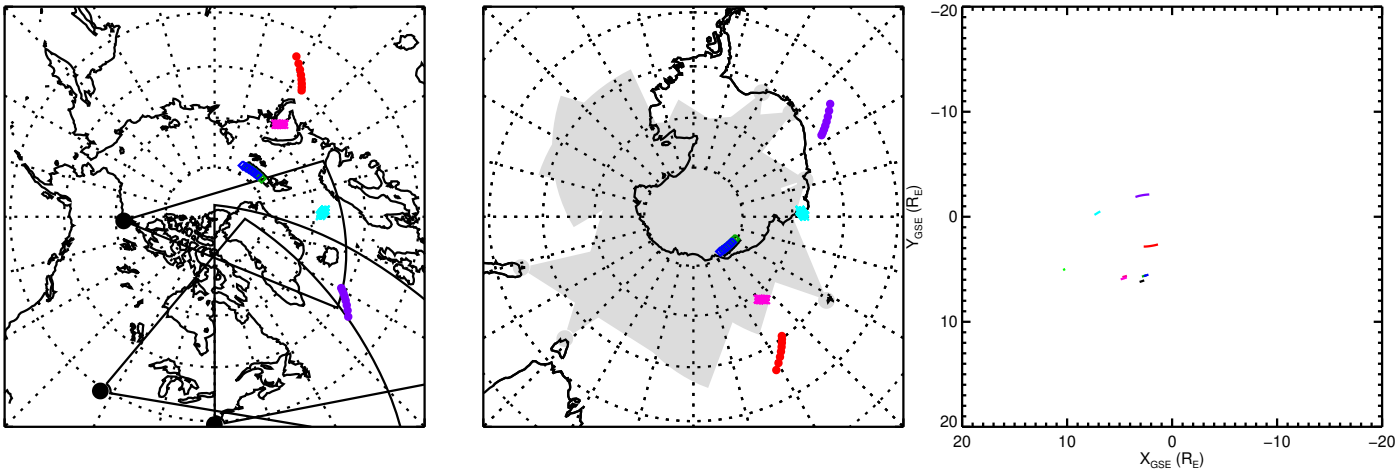


sye unw zho

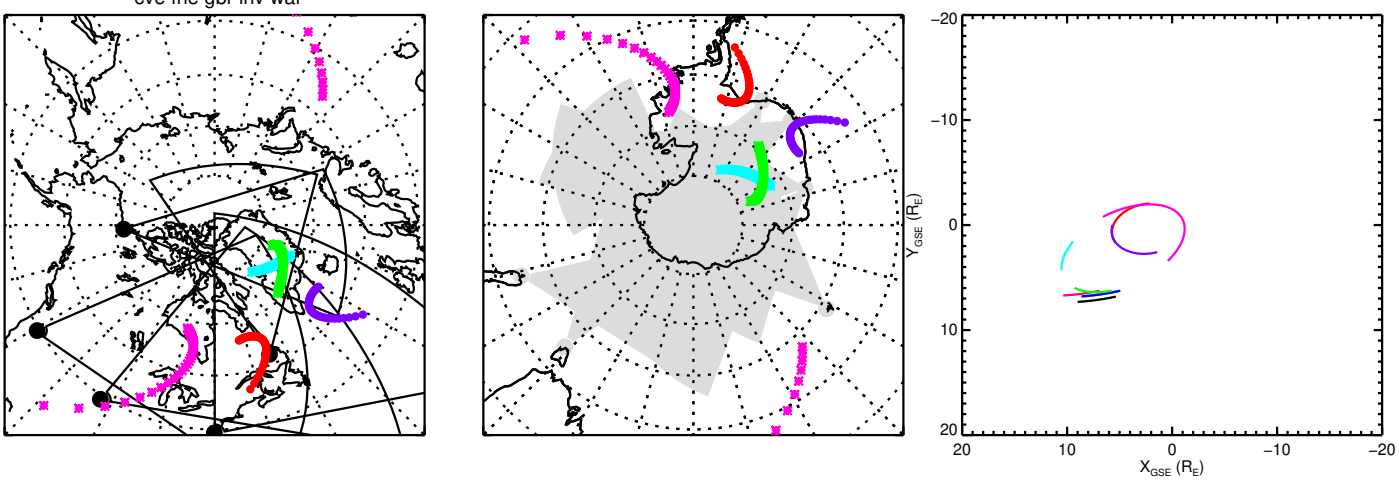




(c) 1025UT to 1100UT
fhe inv wal

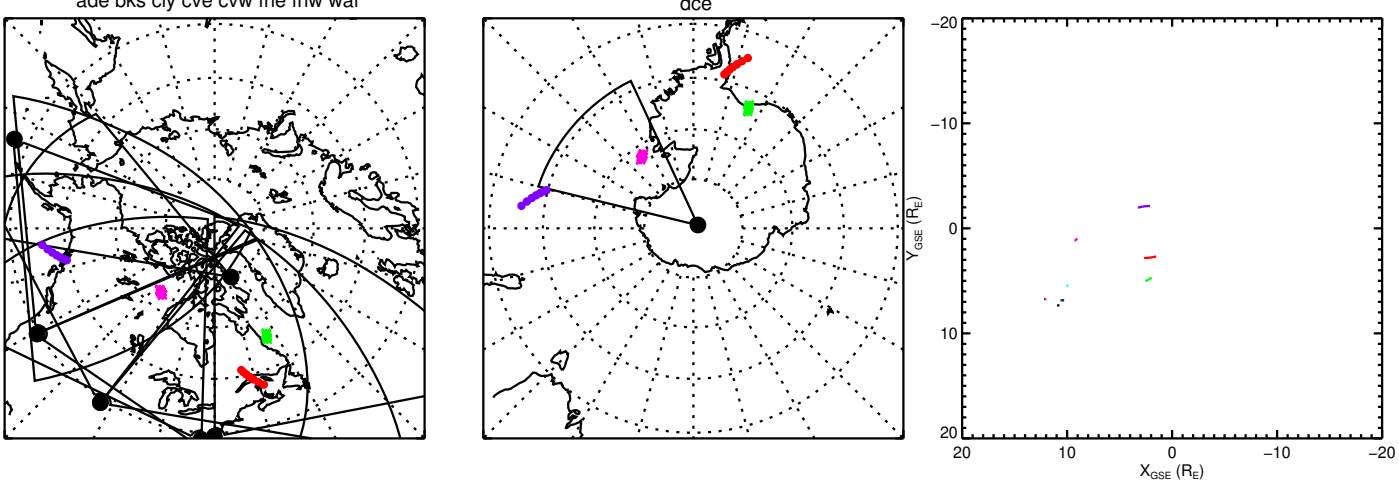


(d) 1305UT to 1720UT
cve fhe gbr inv wal



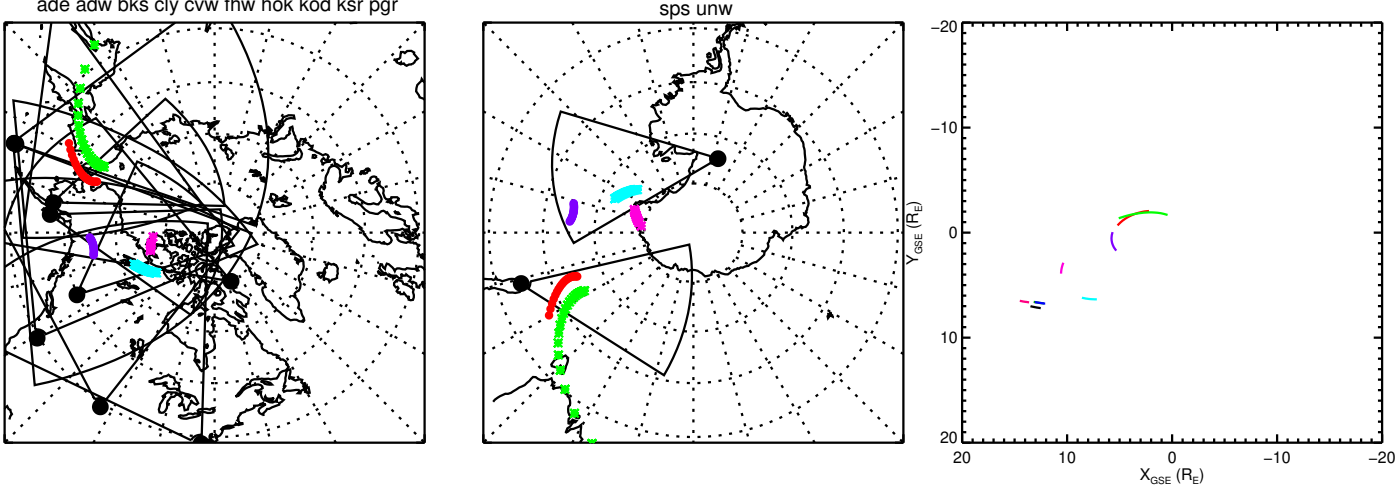
(e) 1925UT to 1955UT
ade bks cly cve cvw fhe fhw wal

dce



(f) 2205UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr pgr

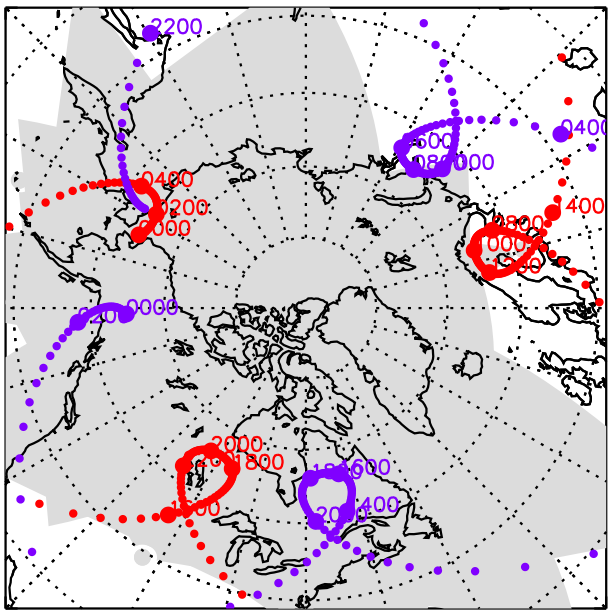
sps unw

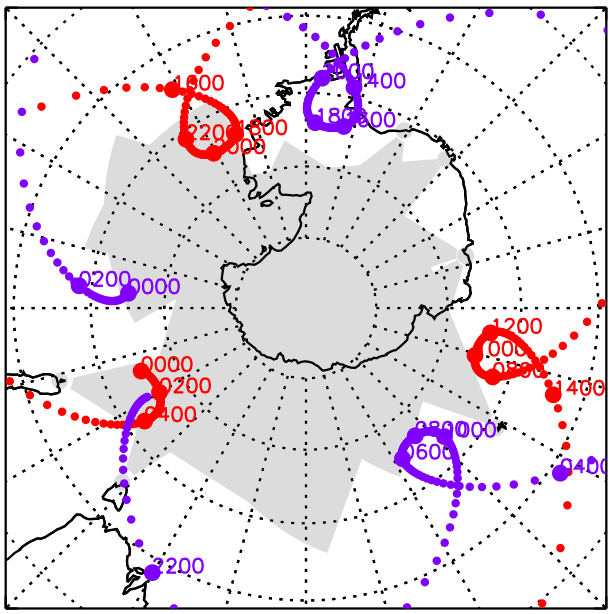


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

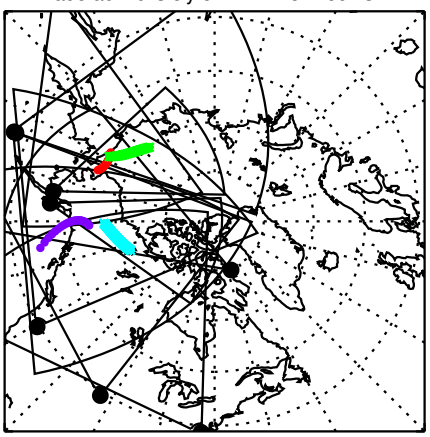
12–Feb–2014

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

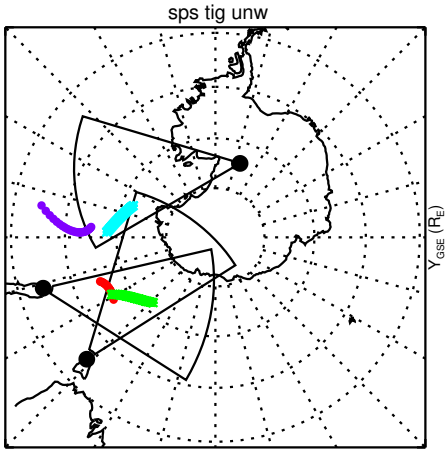


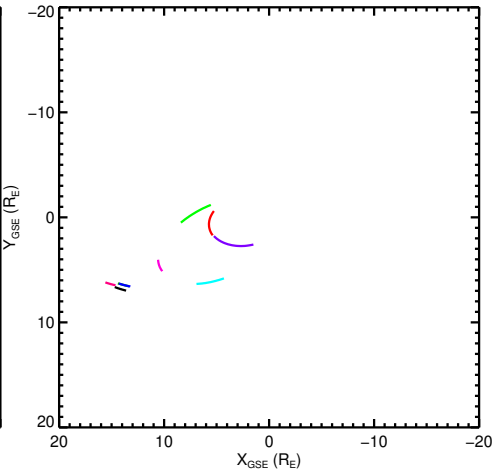


(a) 0000UT to 0220UT
ade adw bks cly cvw fhw hok kod ksr

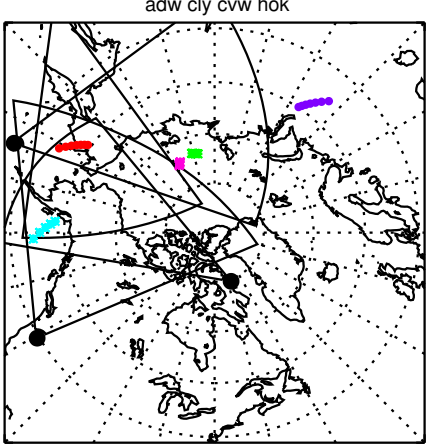


sps tig unw

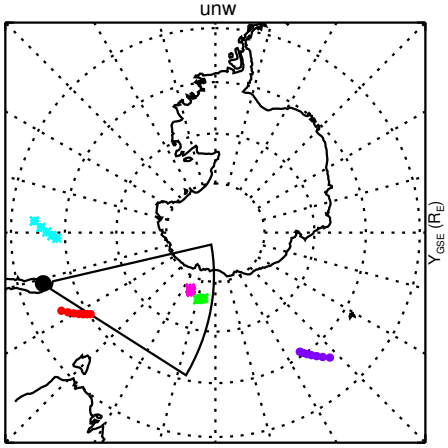


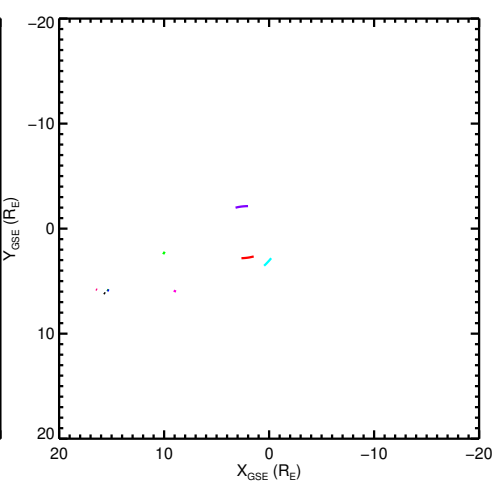


(b) 0425UT to 0455UT
adw cly cvw hok

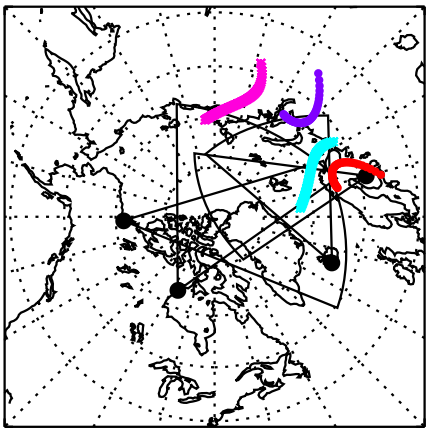


unw

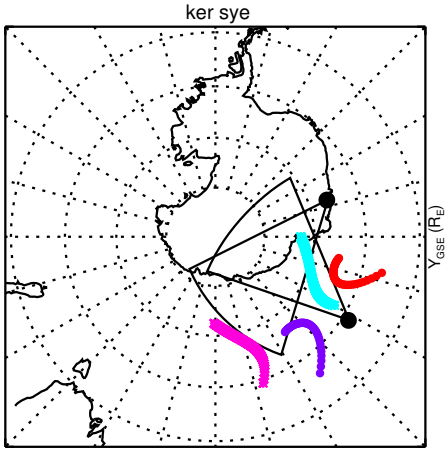


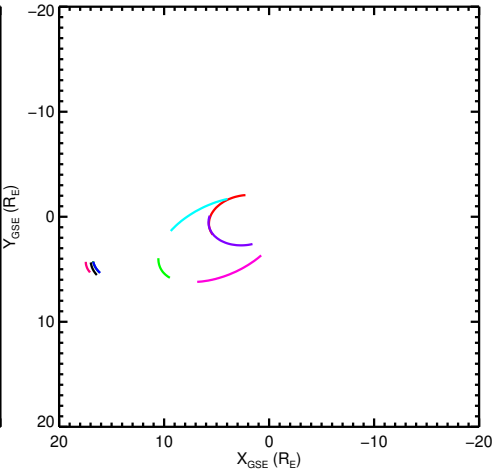


(c) 0705UT to 1120UT
han inv pyk rkn

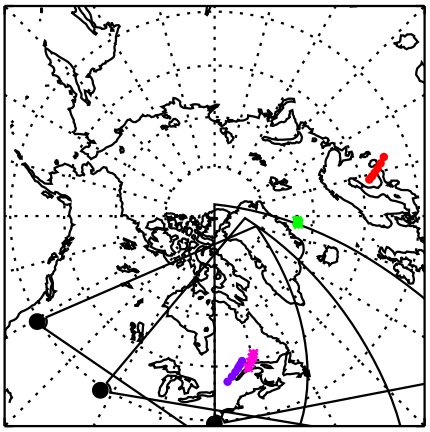


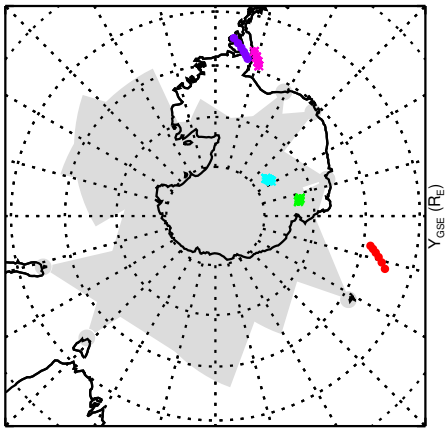
ker sye

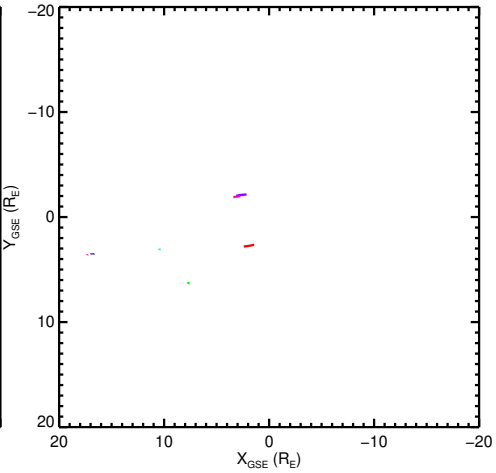




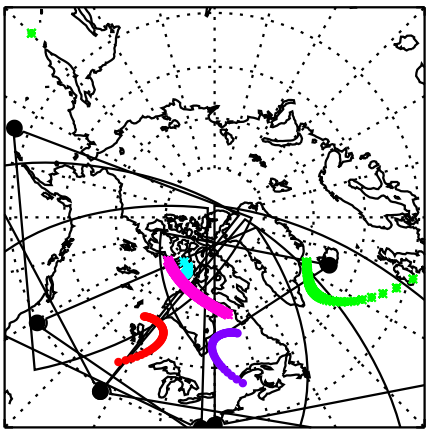
(d) 1330UT to 1355UT
cve fhe wal



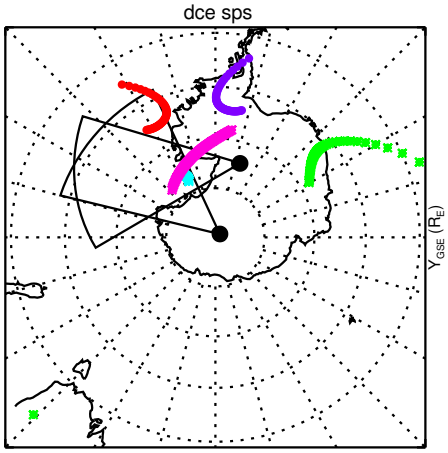


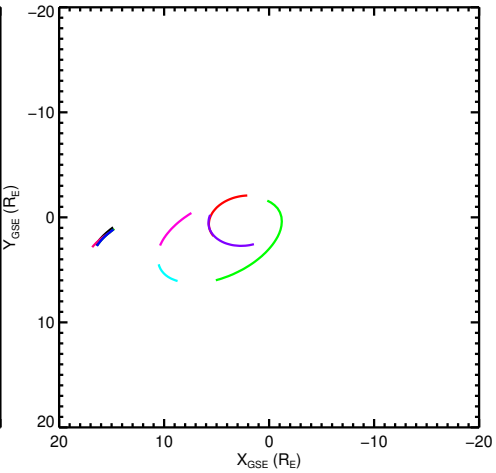


(e) 1600UT to 2025UT
ade bks cve fhe fhw sto wal

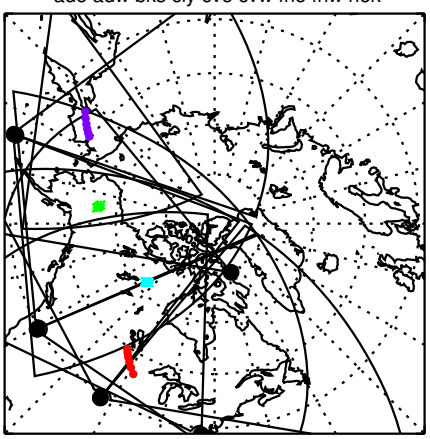


dce sps

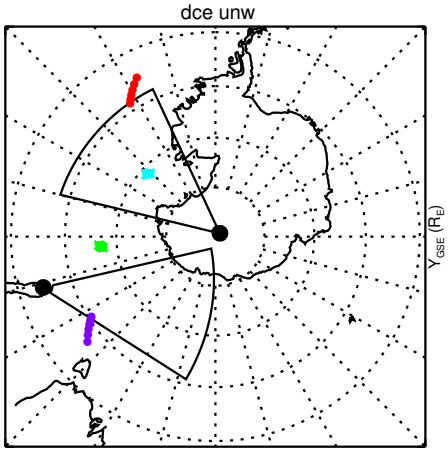


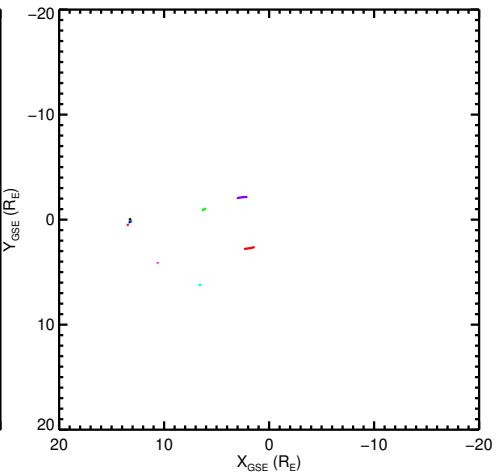


(f) 2230UT to 2255UT
ade adw bks cly cve cvw fhe fhw hok



dce unw

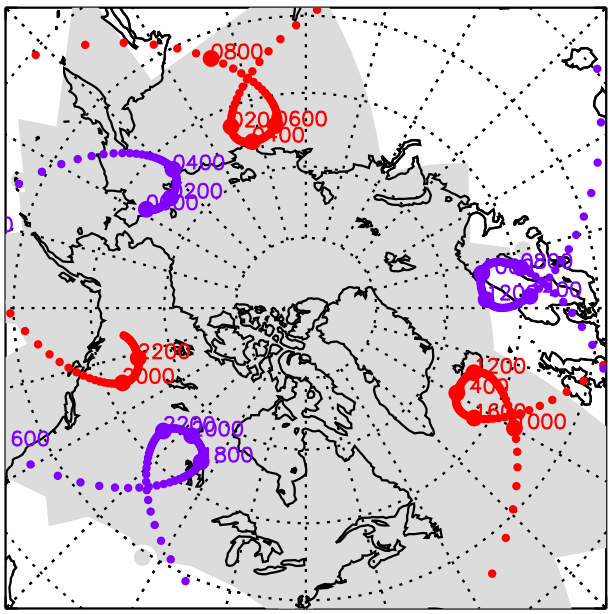


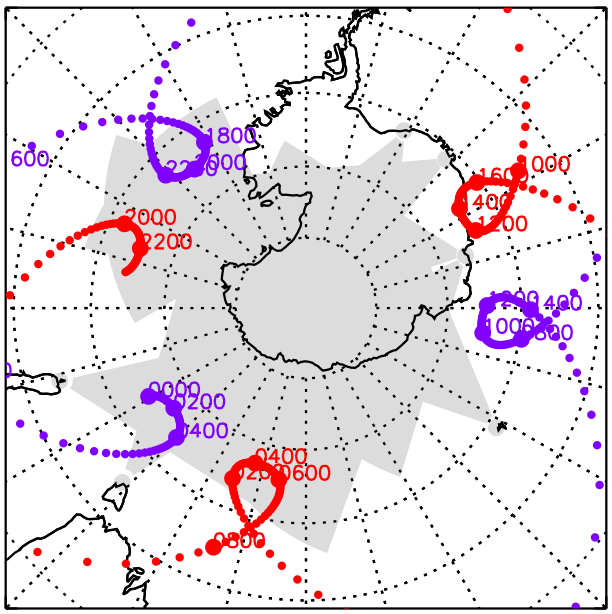


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

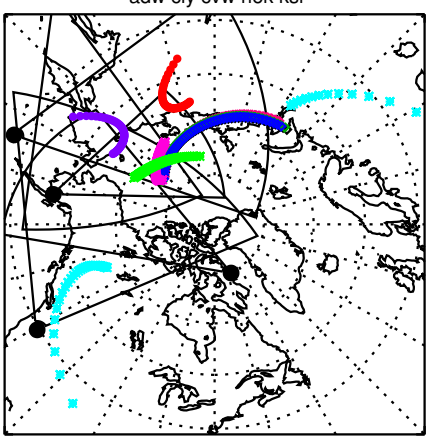
13–Feb–2014

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

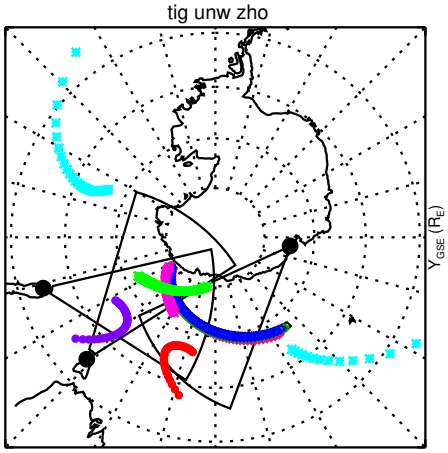


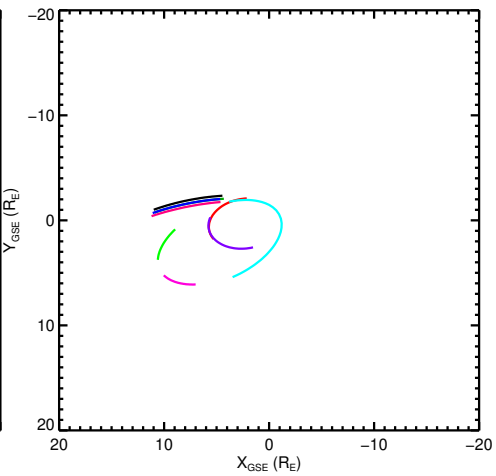


(a) 0100UT to 0525UT
adw cly cvw hok ksr

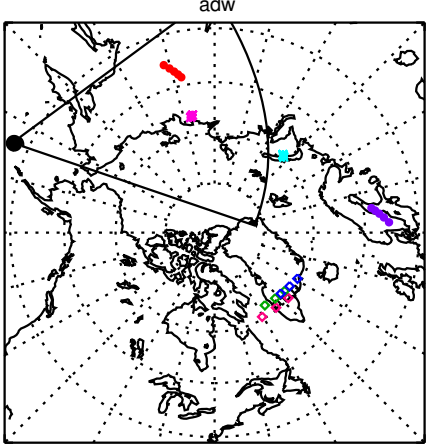


tig unw zho

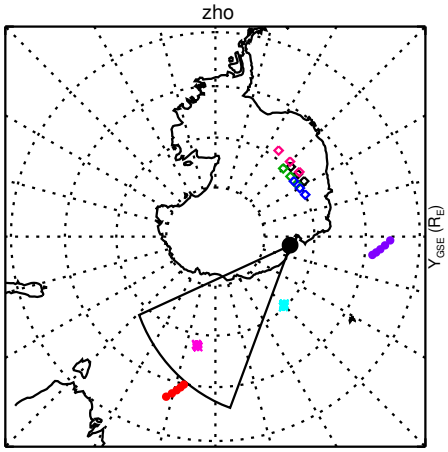


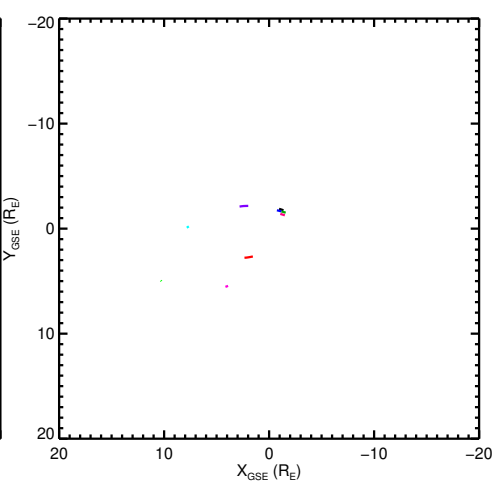


(b) 0730UT to 0750UT
adw

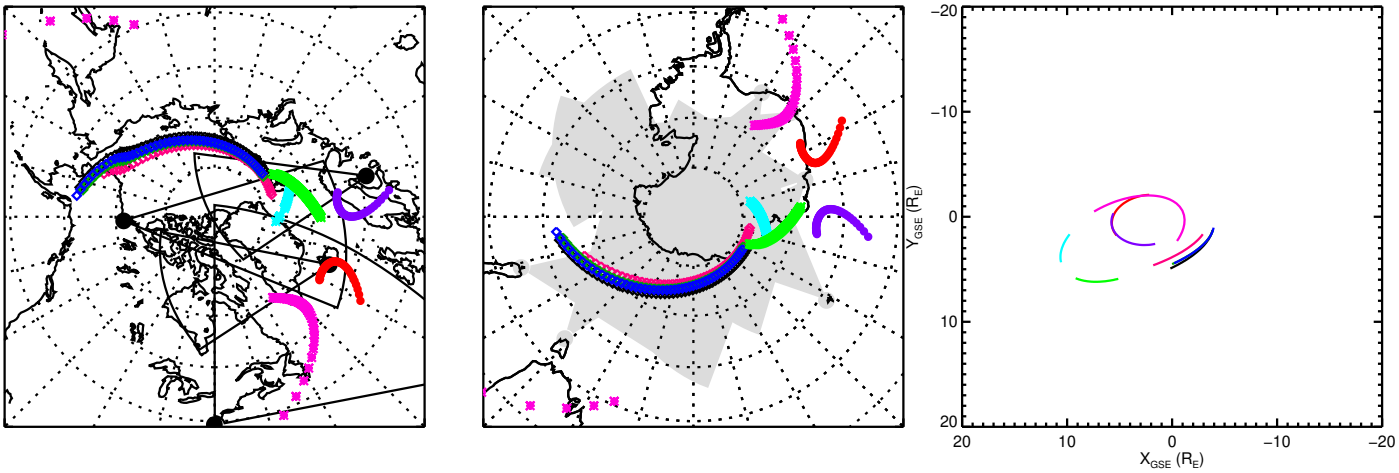


zho

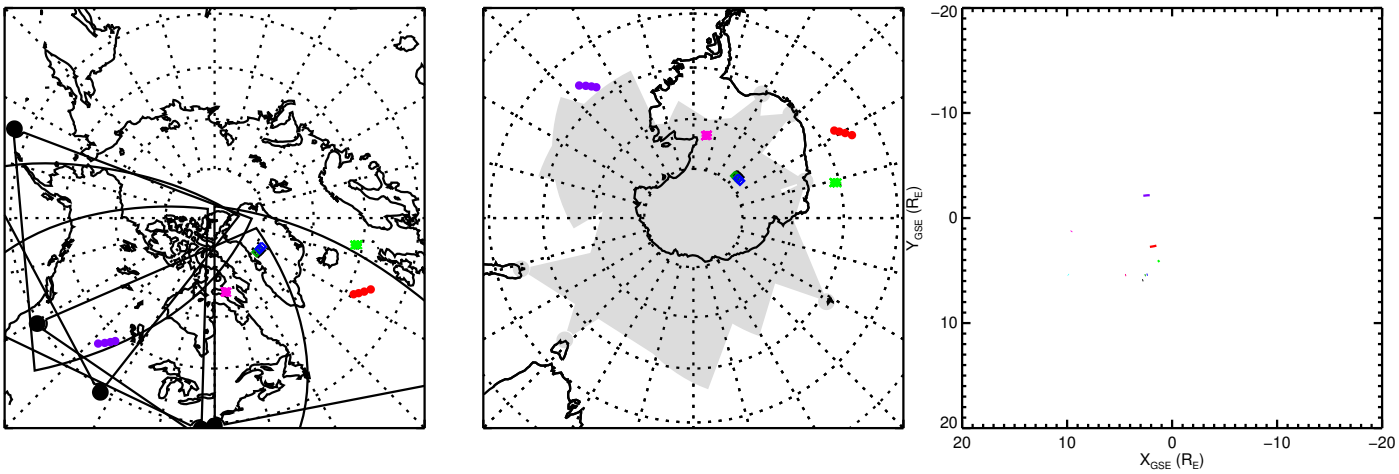




(c) 1000UT to 1425UT
han inv sto wal

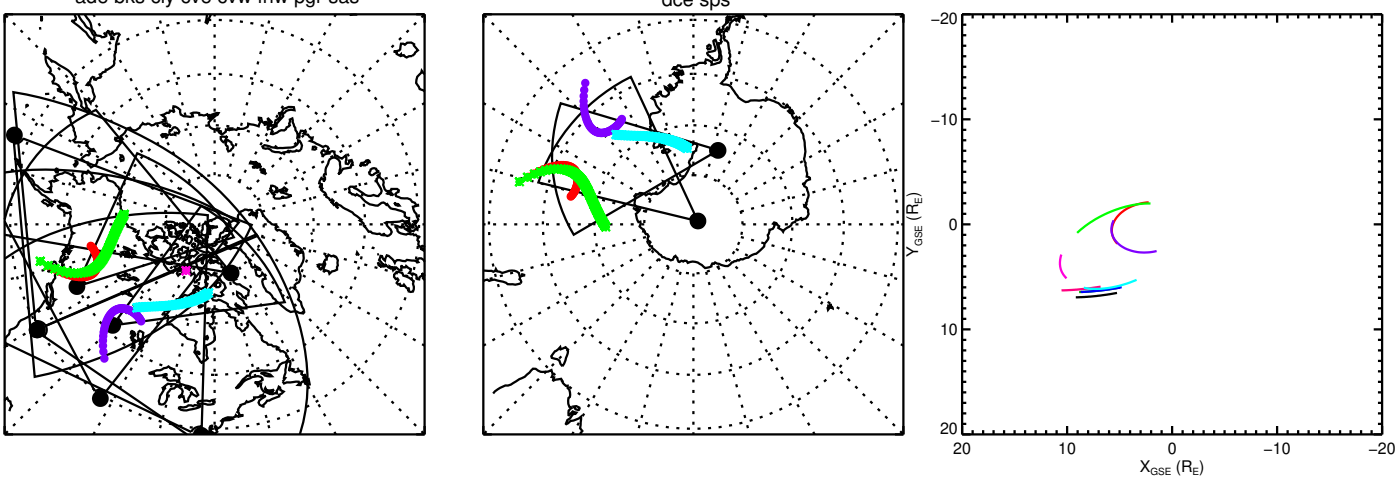


(d) 1635UT to 1650UT
ade bks cve fhw wal



(e) 1900UT to 2330UT
ade bks cly cve cvw fhw pgr sas

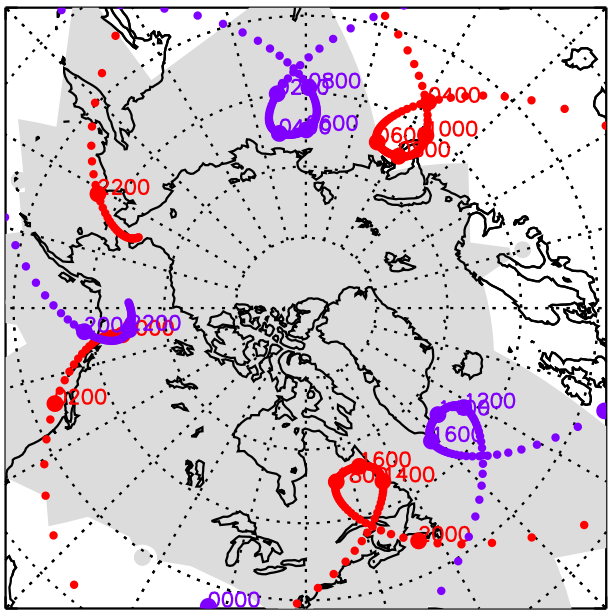
dce sps

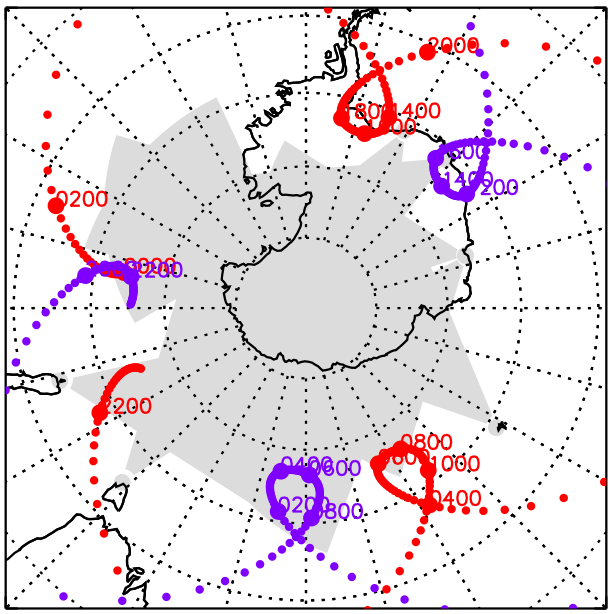


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

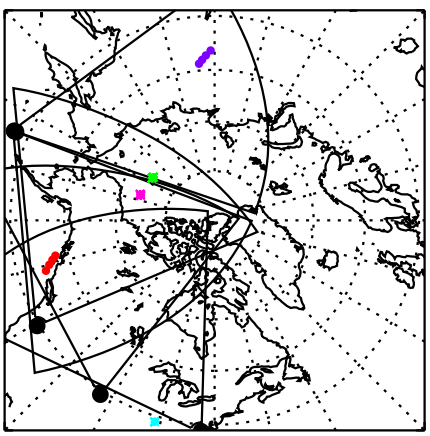
14–Feb–2014

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

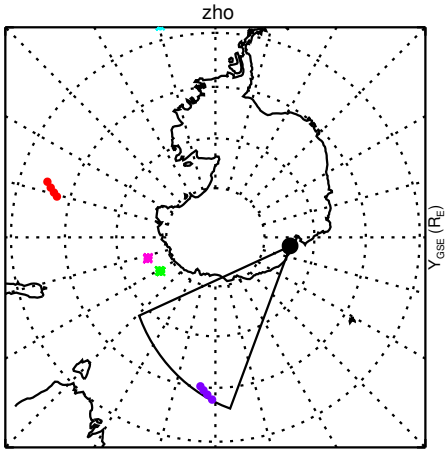


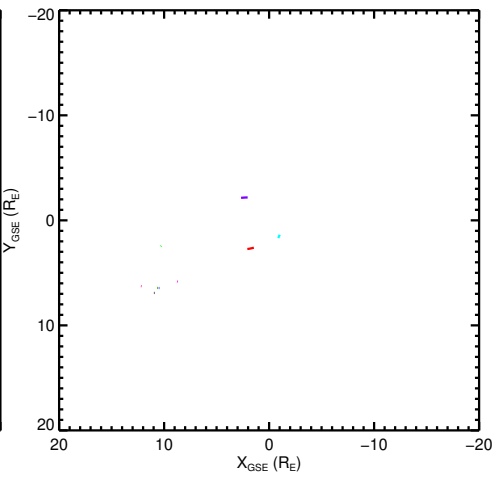


(a) 0135UT to 0150UT
ade adw bks cvw fhw

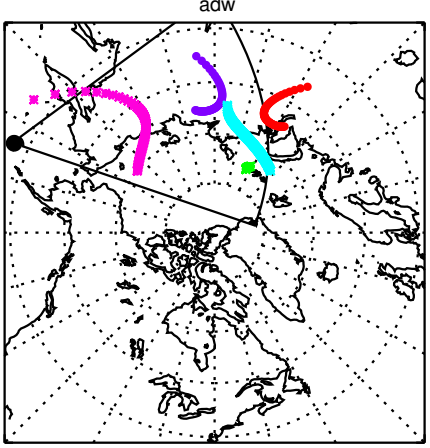


zho

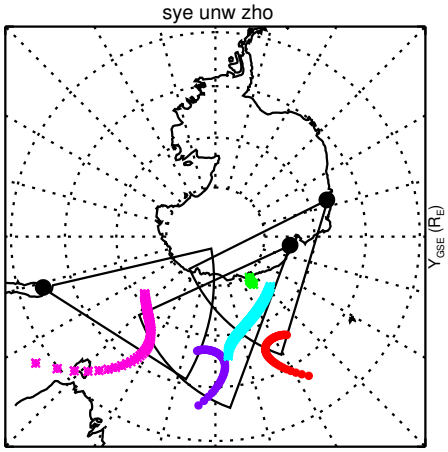


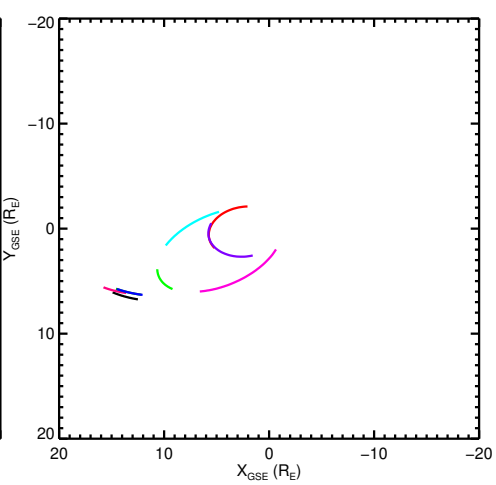


(b) 0355UT to 0830UT
adw

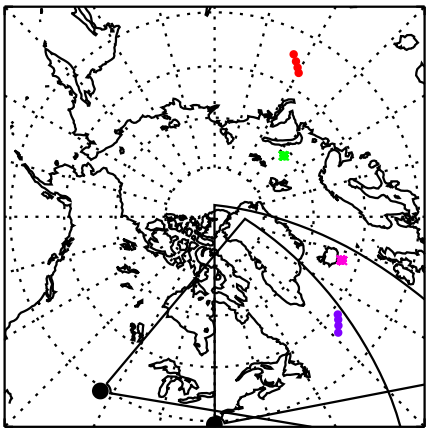


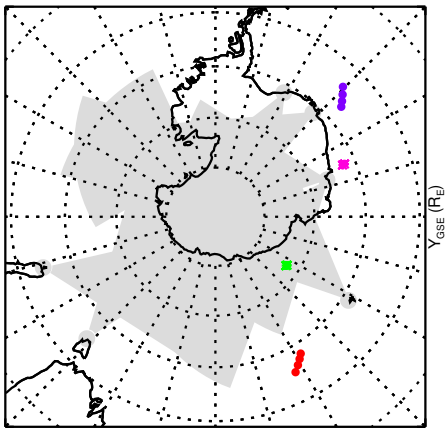
sye unw zho

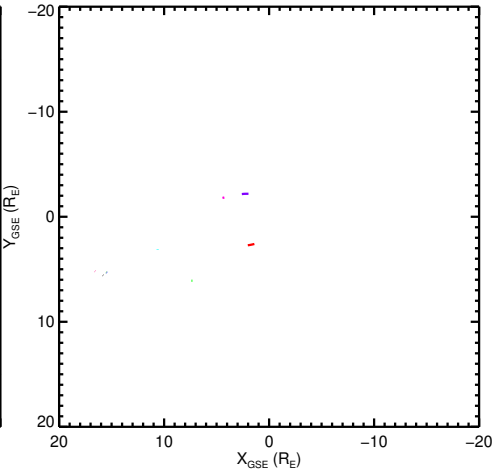




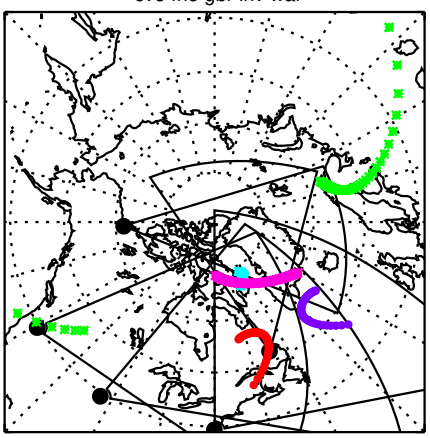
(c) 1035UT to 1050UT
fhe wal



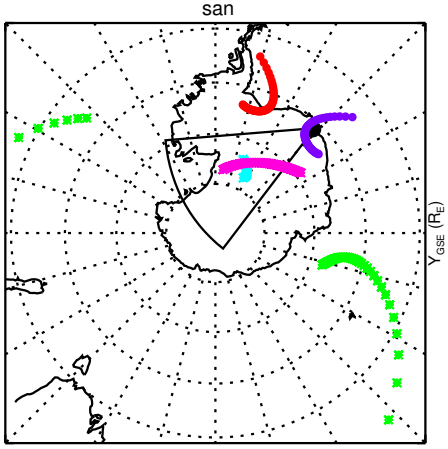


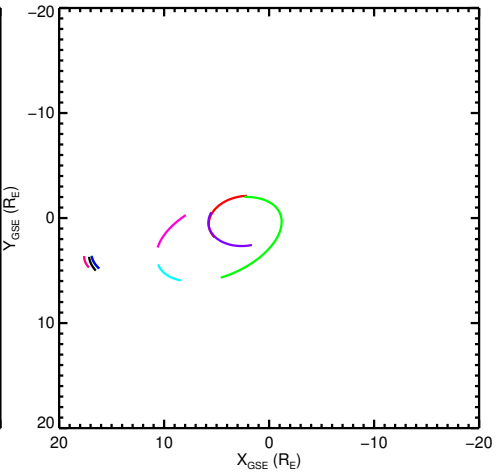


(d) 1255UT to 1730UT
cve fhe gbr inv wal

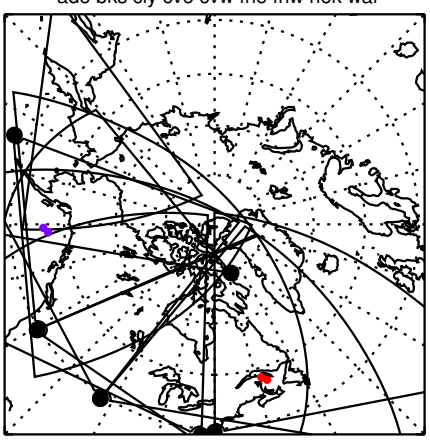


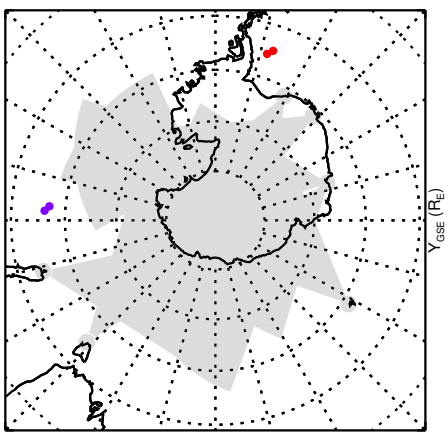
san

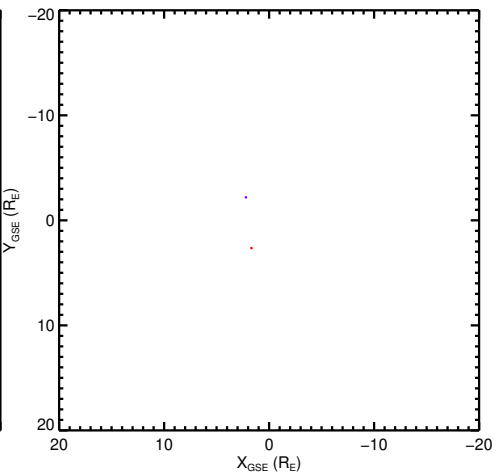




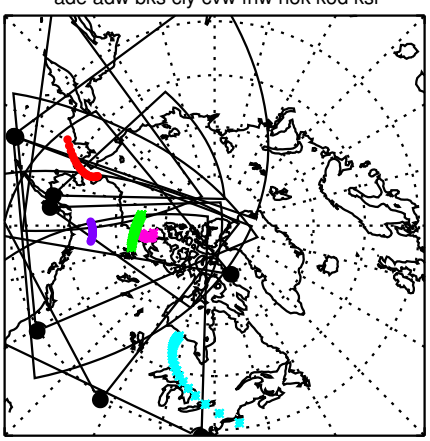
(e) 1940UT to 1945UT
ade bks cly cve cvw fhe fhw hok wal



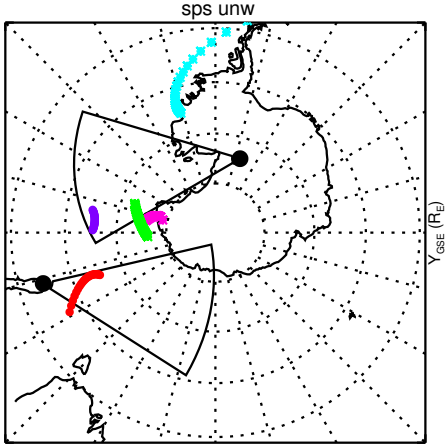


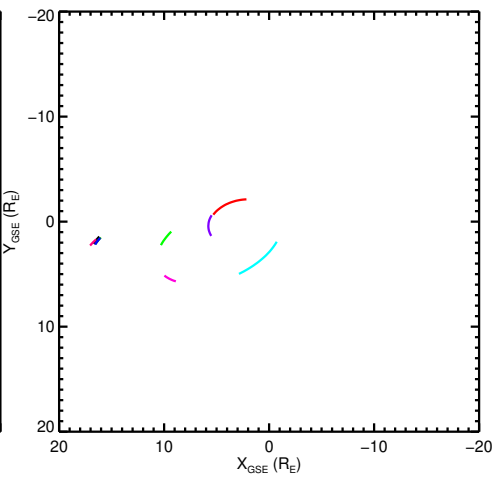


(f) 2155UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



sps unw

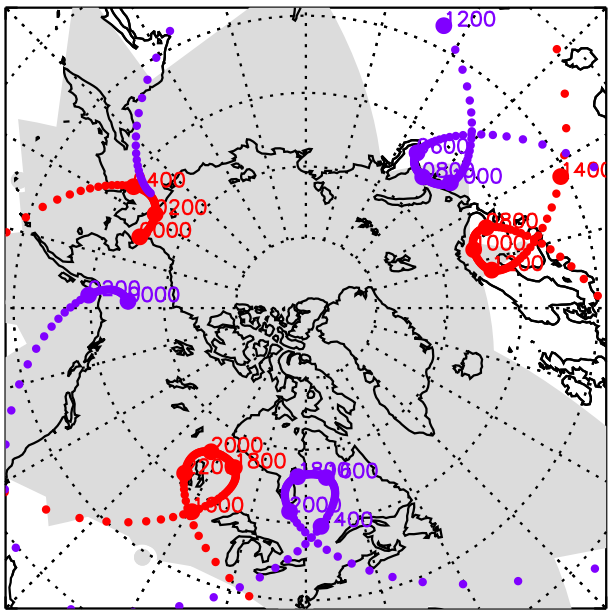


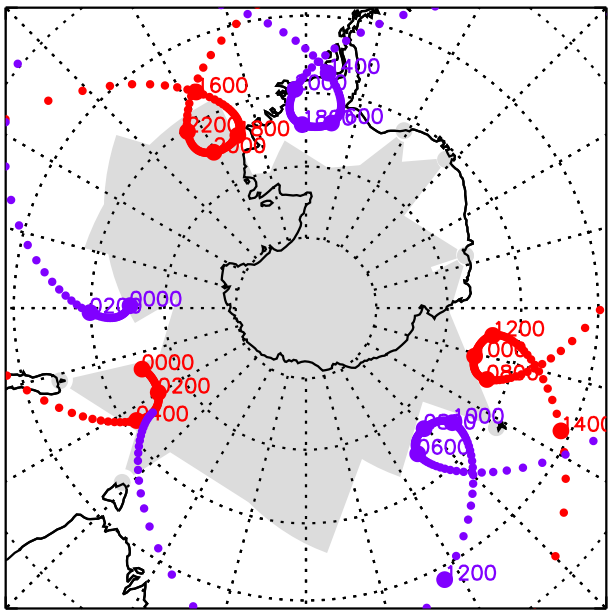


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

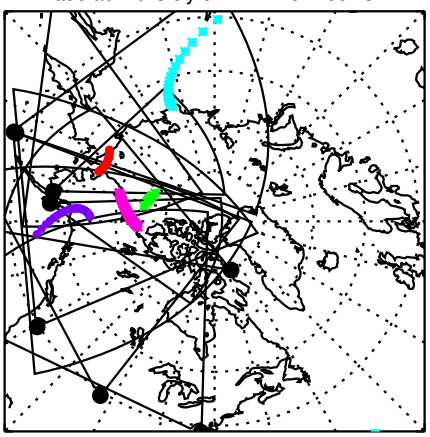
15–Feb–2014

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

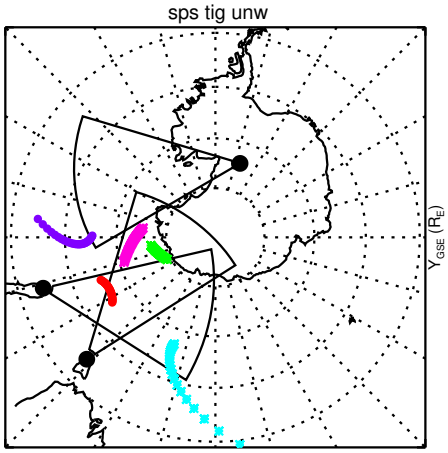


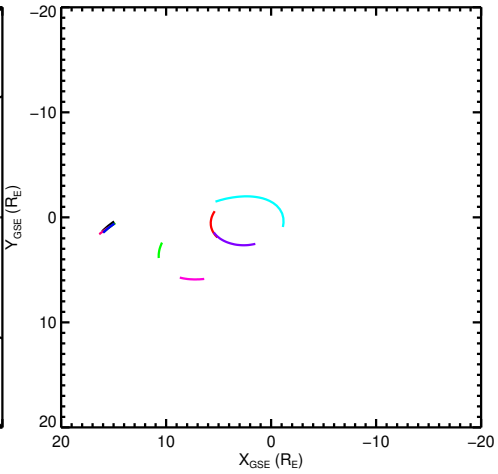


(a) 0000UT to 0235UT
ade adw bks cly cvw fhw hok kod ksr

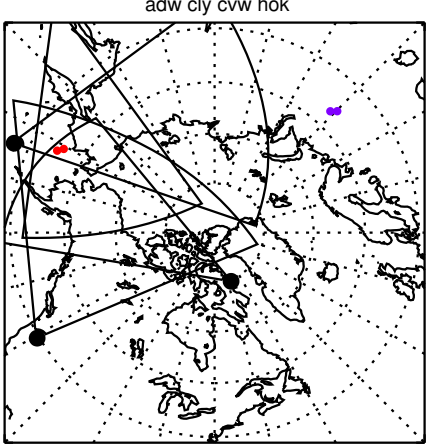


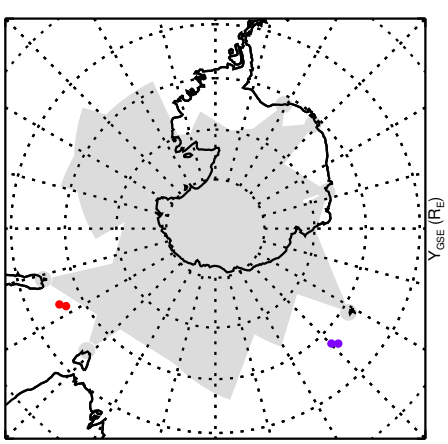
sps tig unw

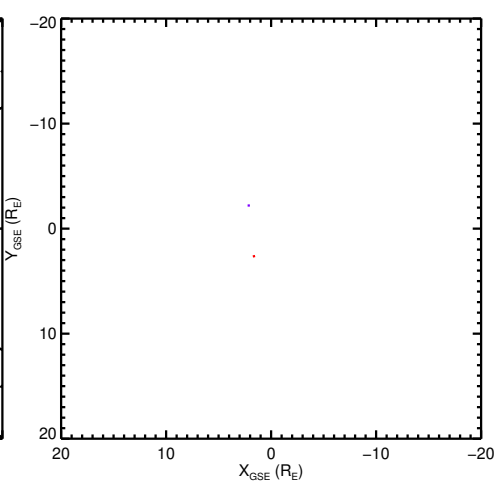




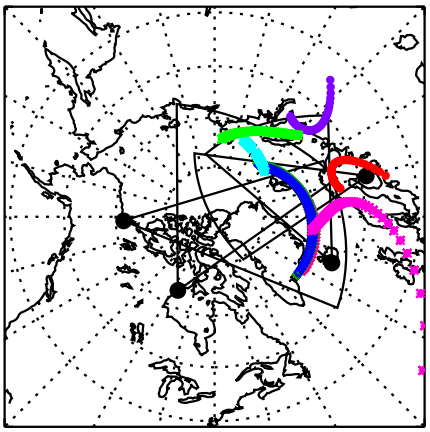
(b) 0440UT to 0445UT
adw cly cvw hok



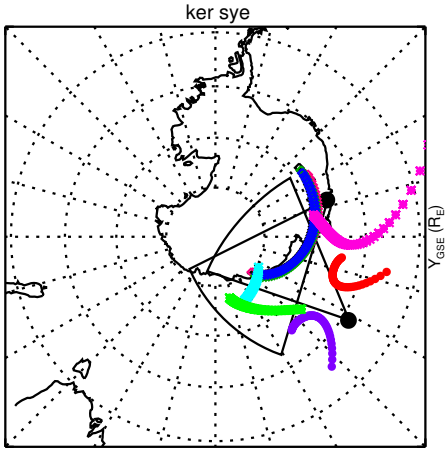


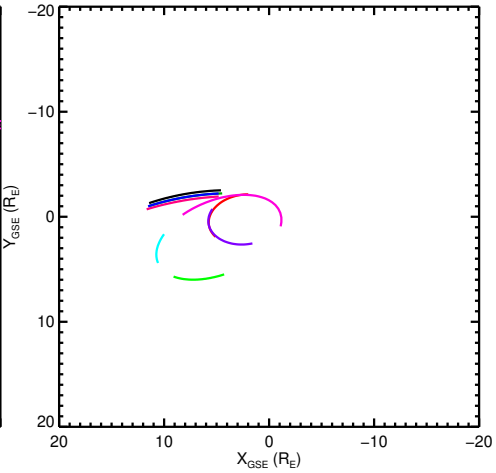


(c) 0650UT to 1135UT
han inv pyk rkn

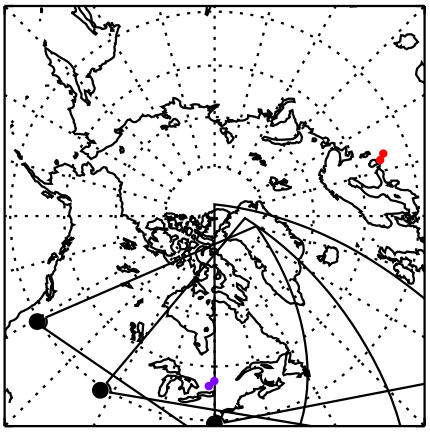


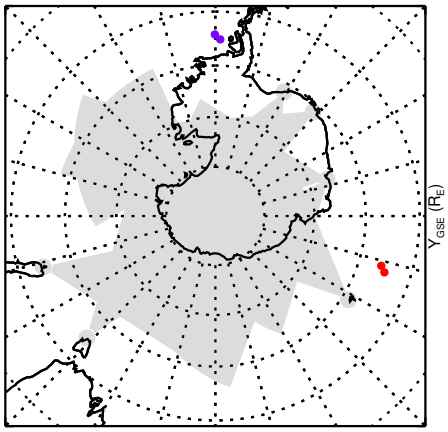
ker sye

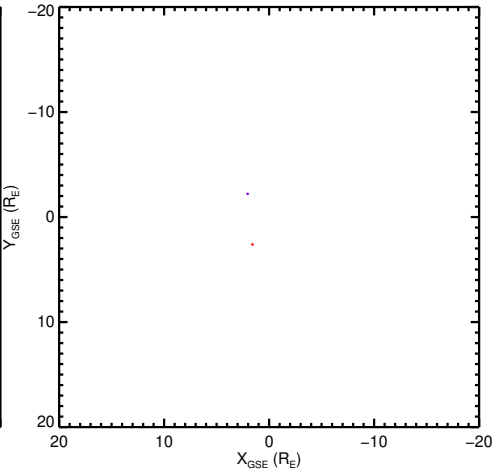




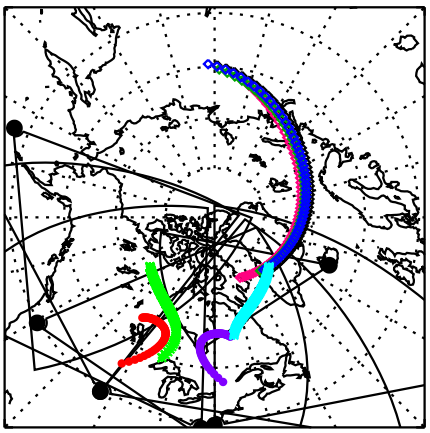
(d) 1340UT to 1345UT
cve fhe wal



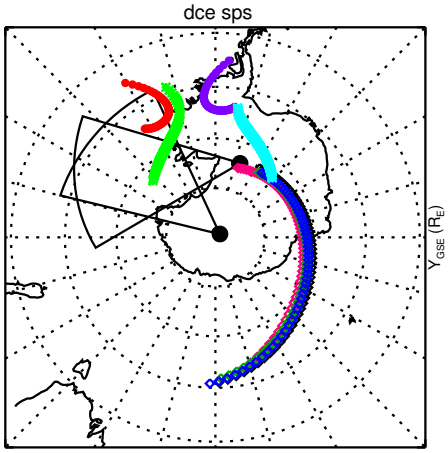


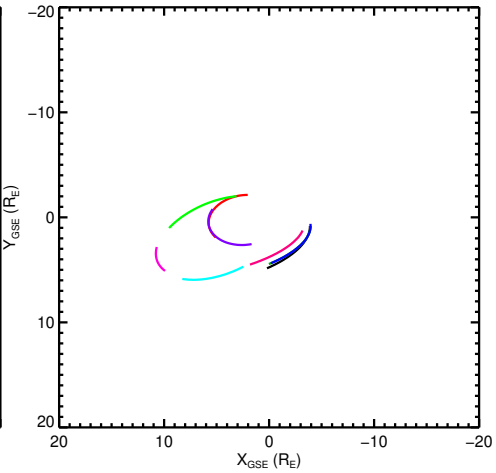


(e) 1550UT to 2035UT
ade bks cve fhe fhw sto wal

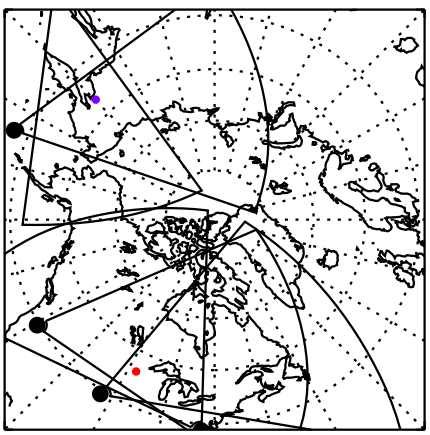


dce sps





(f) 2245UT to 2245UT
adw bks cve fhe hok



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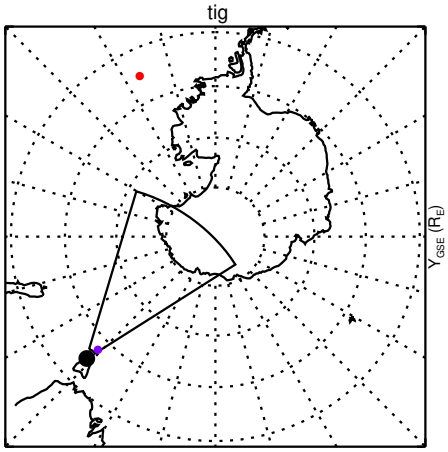
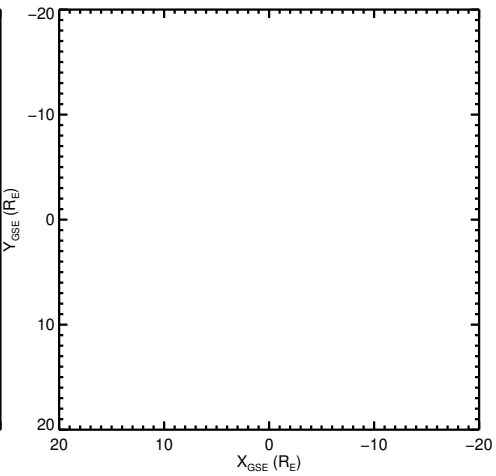
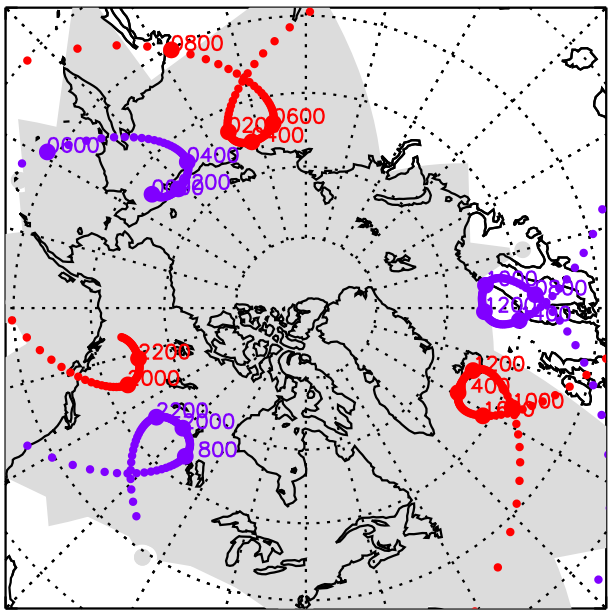


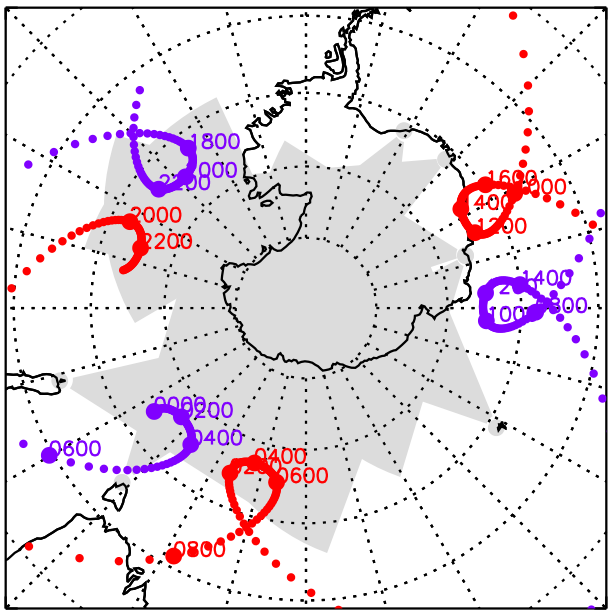


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

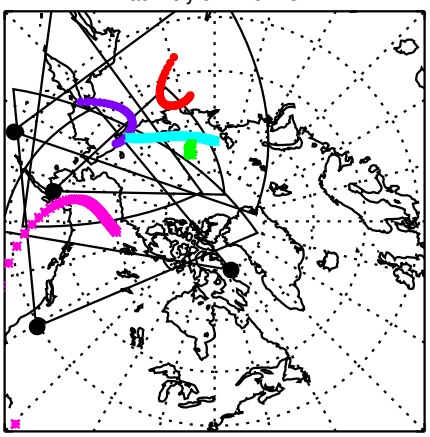
16–Feb–2014

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

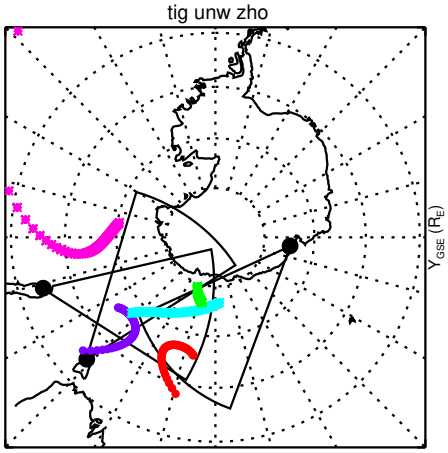


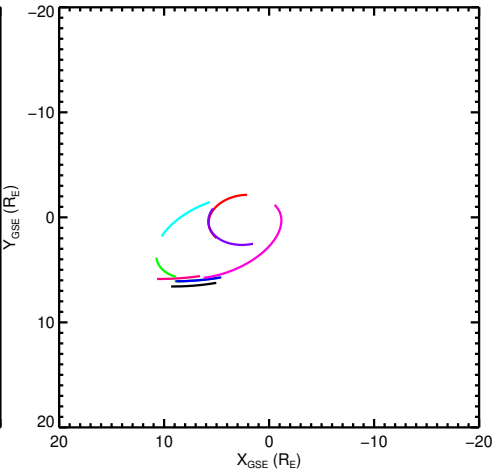


(a) 0050UT to 0540UT
adw cly cvw hok ksr

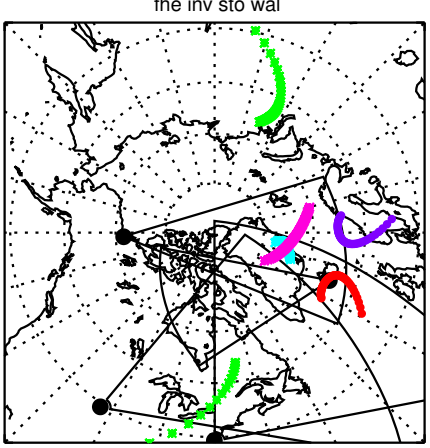


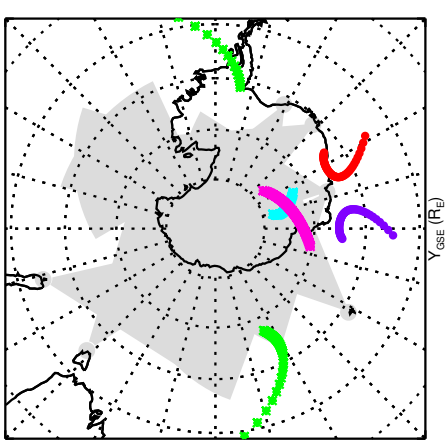
tig unw zho

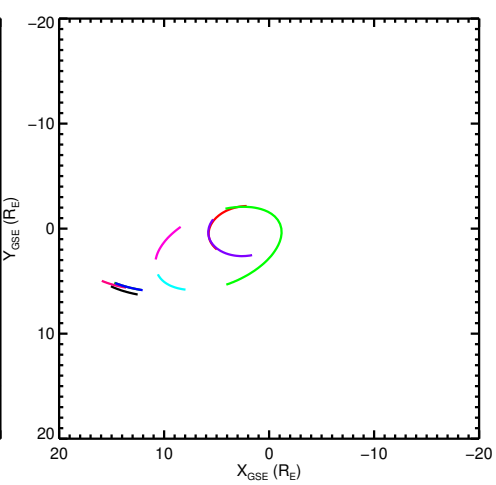


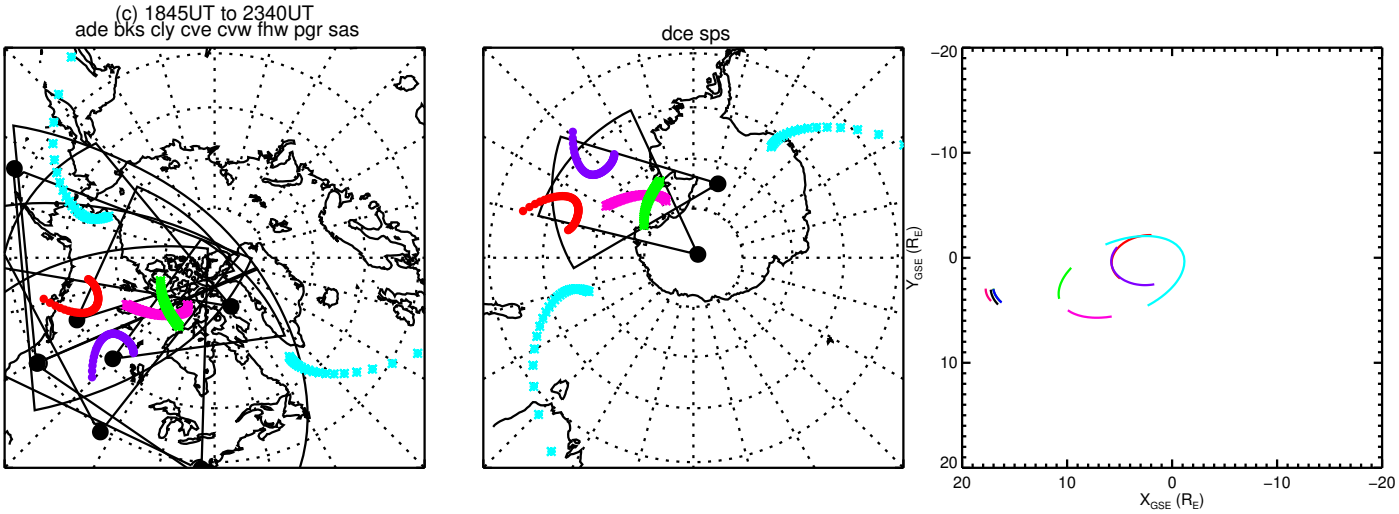


(b) 0950UT to 1440UT
fhe inv sto wal





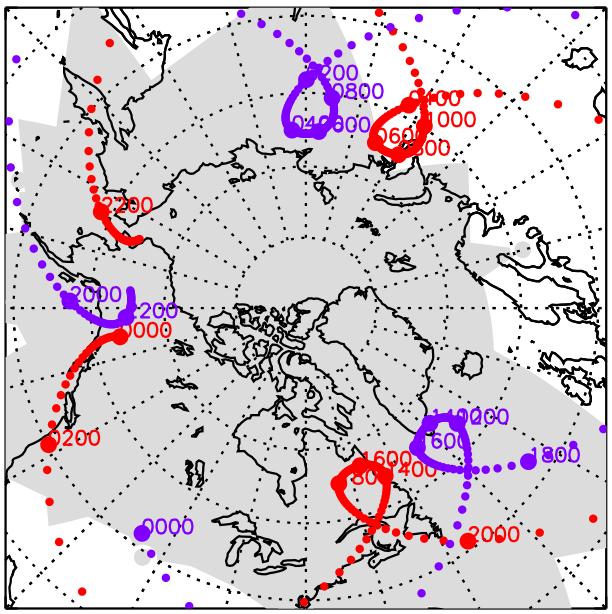


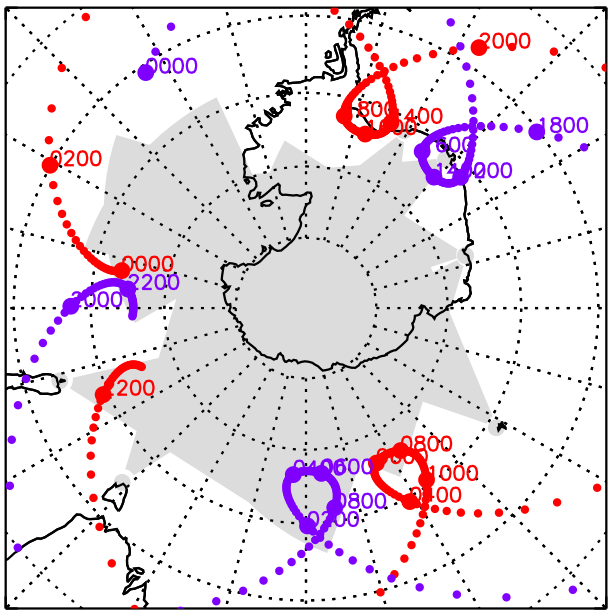

(c) 1845UT to 2340UT
ade bks cly cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

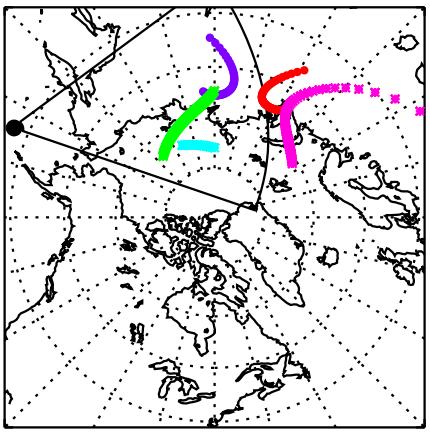
17–Feb–2014

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

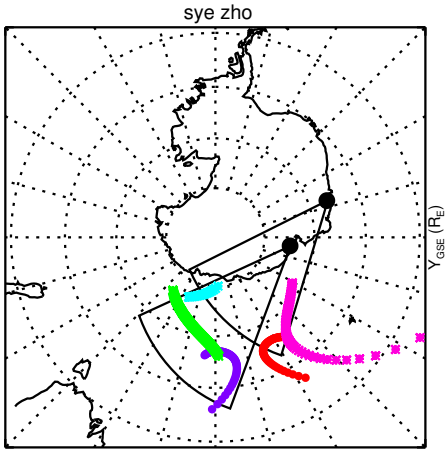


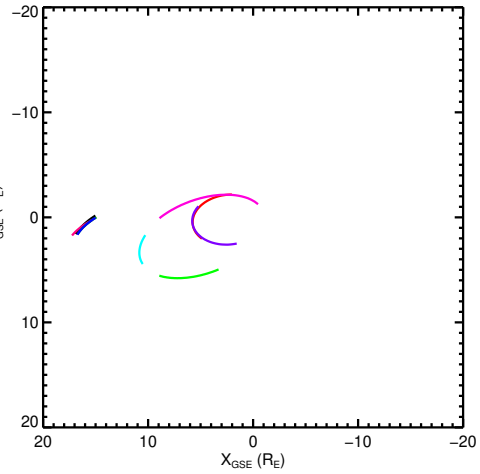


(a) 0345UT to 0845UT
adw

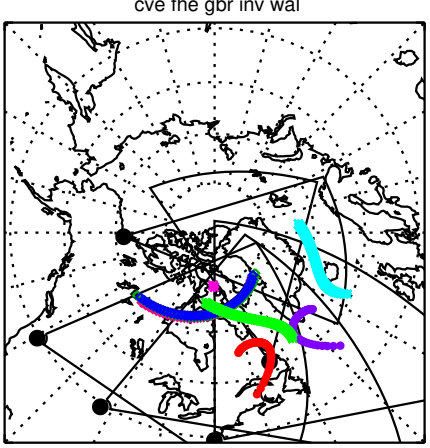


sye zho

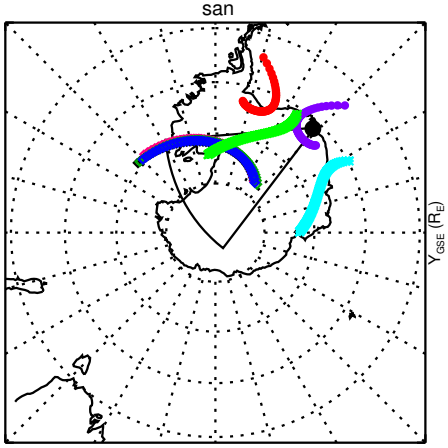


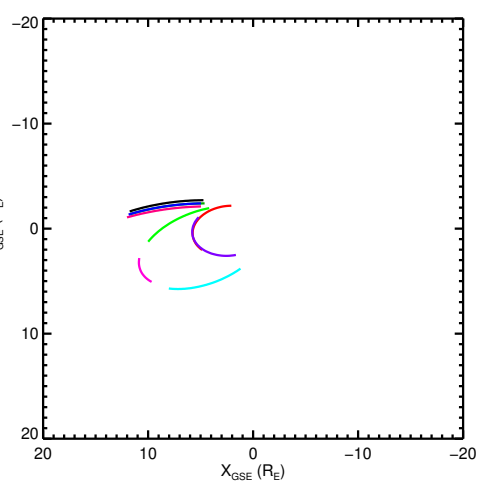


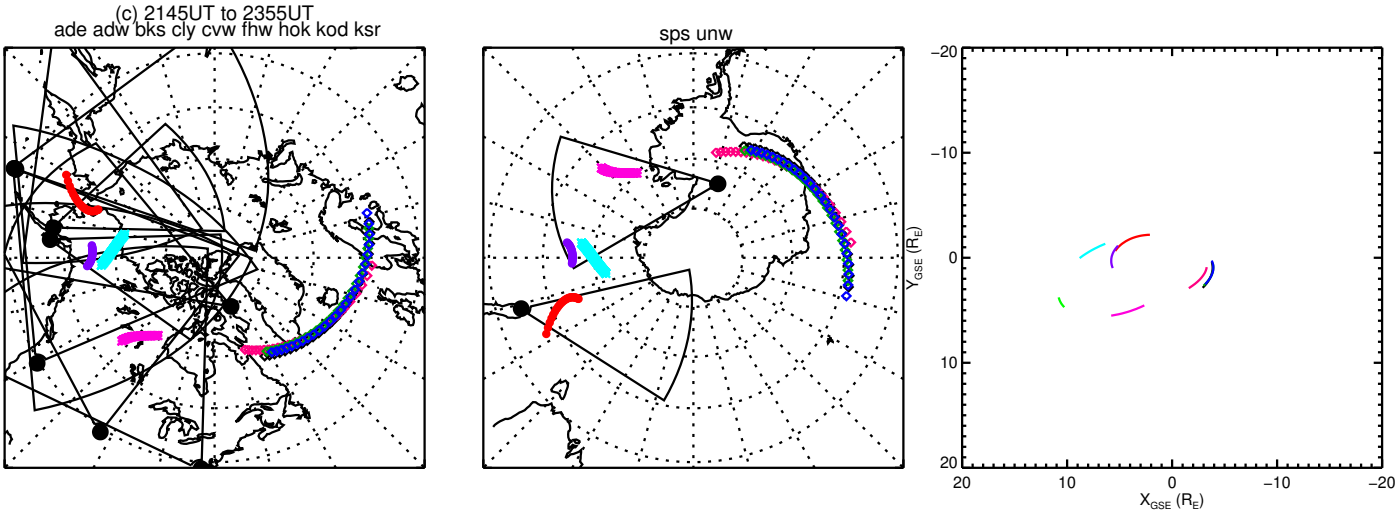
(b) 1245UT to 1745UT
cve fhe gbr inv wal



san



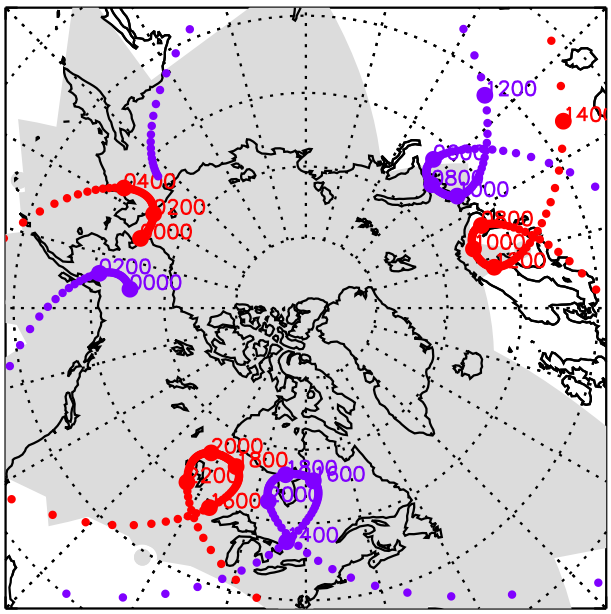


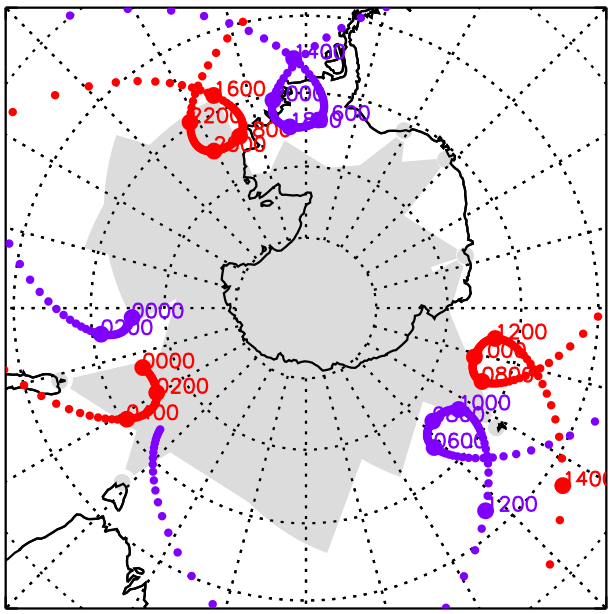

(c) 2145UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr
sps unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

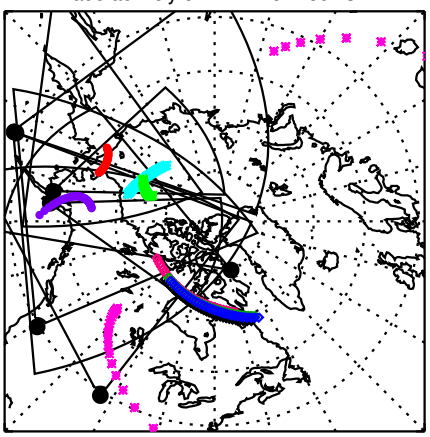
18–Feb–2014

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

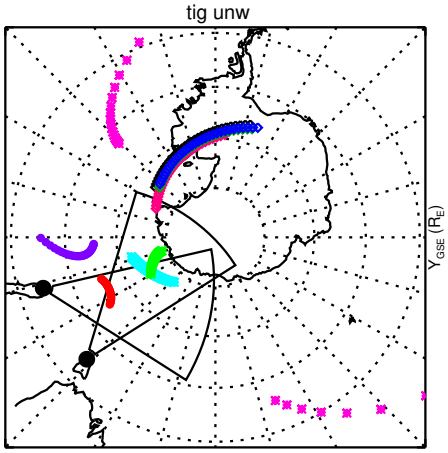


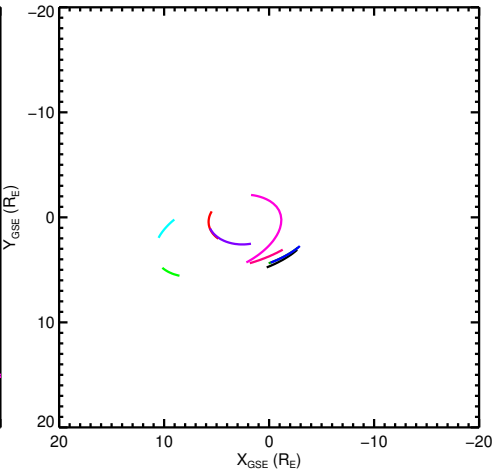


(a) 0000UT to 0245UT
ade adw cly cvw fhw hok kod ksr

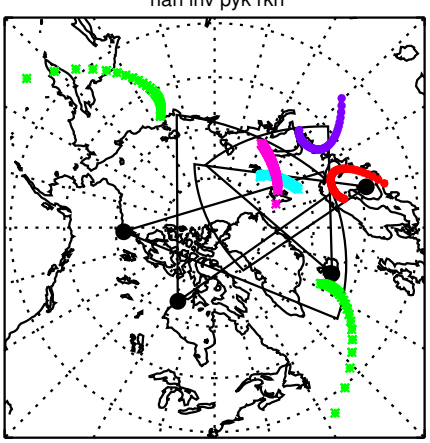


tig unw

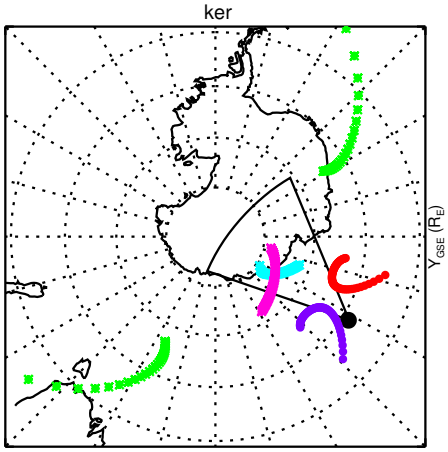


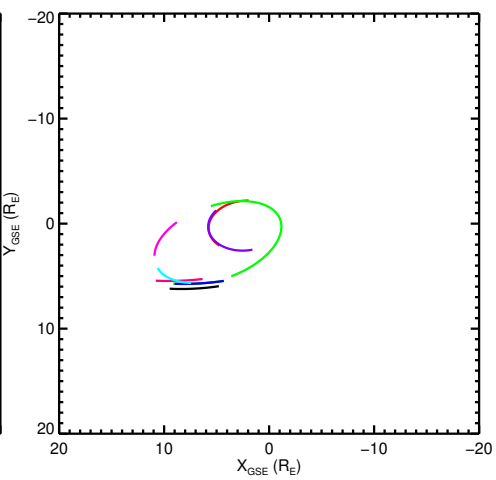


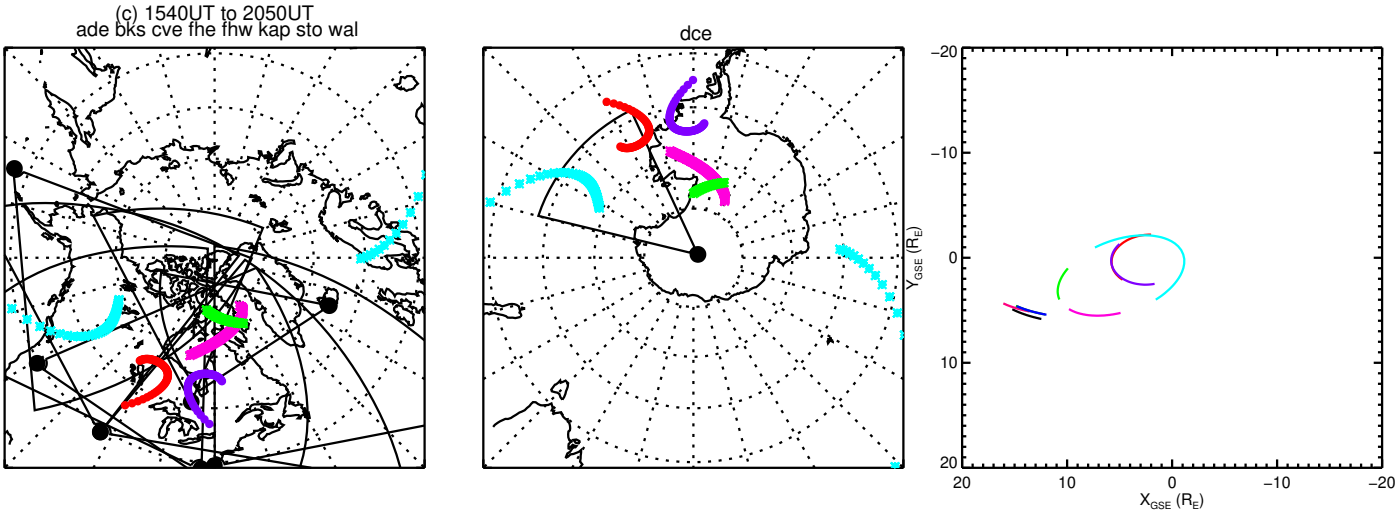
(b) 0640UT to 1150UT
han inv pyk rkn



ker



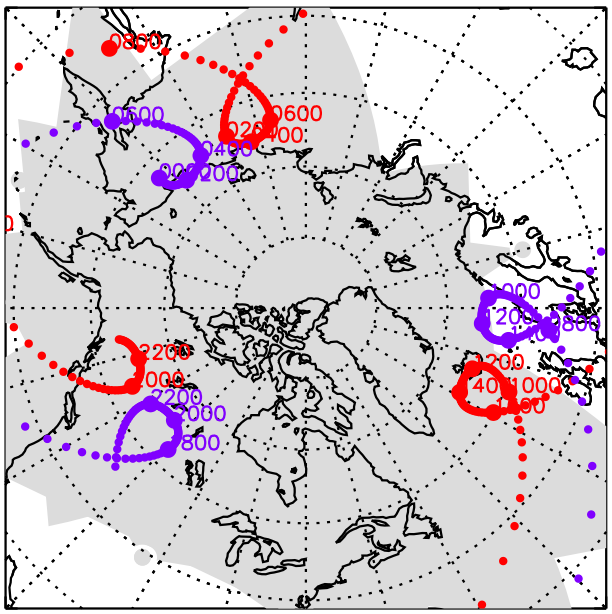


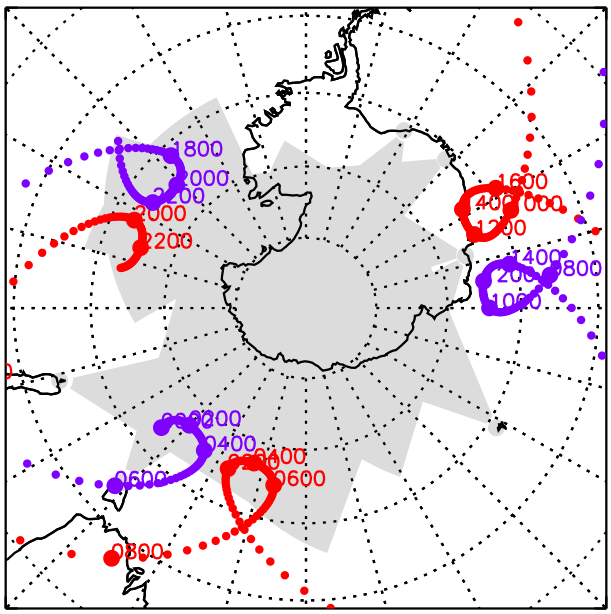

(c) 1540UT to 2050UT
ade bks cve fhe fhw kap sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

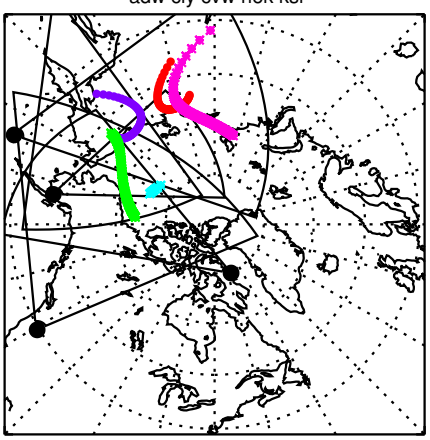
19–Feb–2014

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

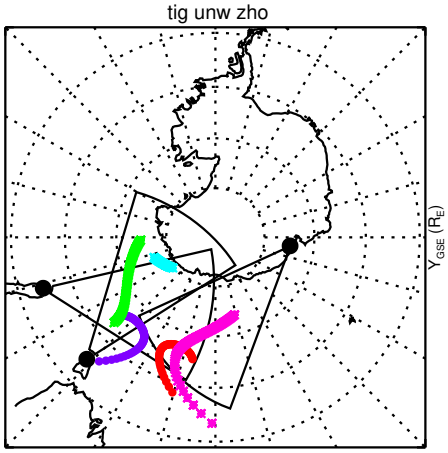


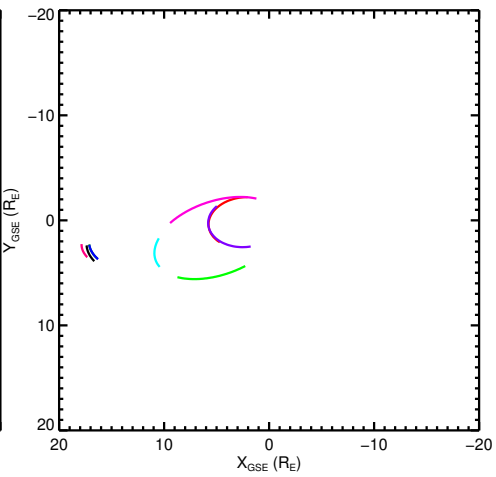


(a) 0040UT to 0550UT
adw cly cvw hok ksr

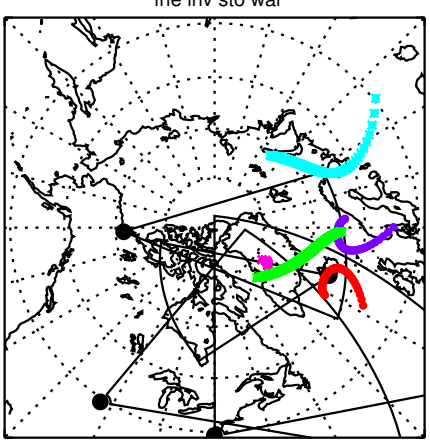


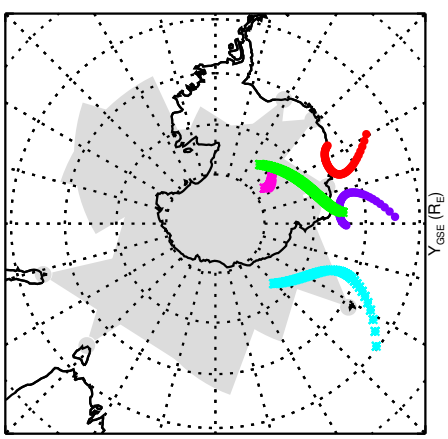
tig unw zho

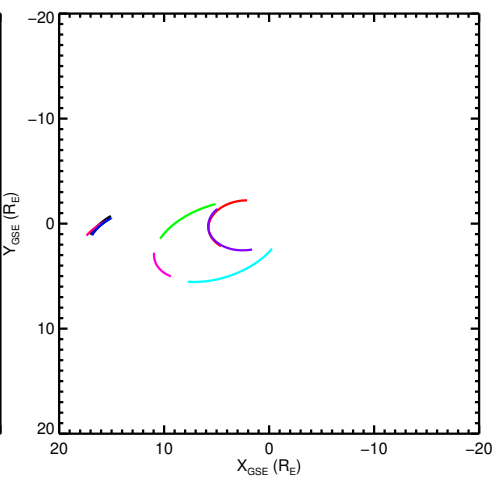


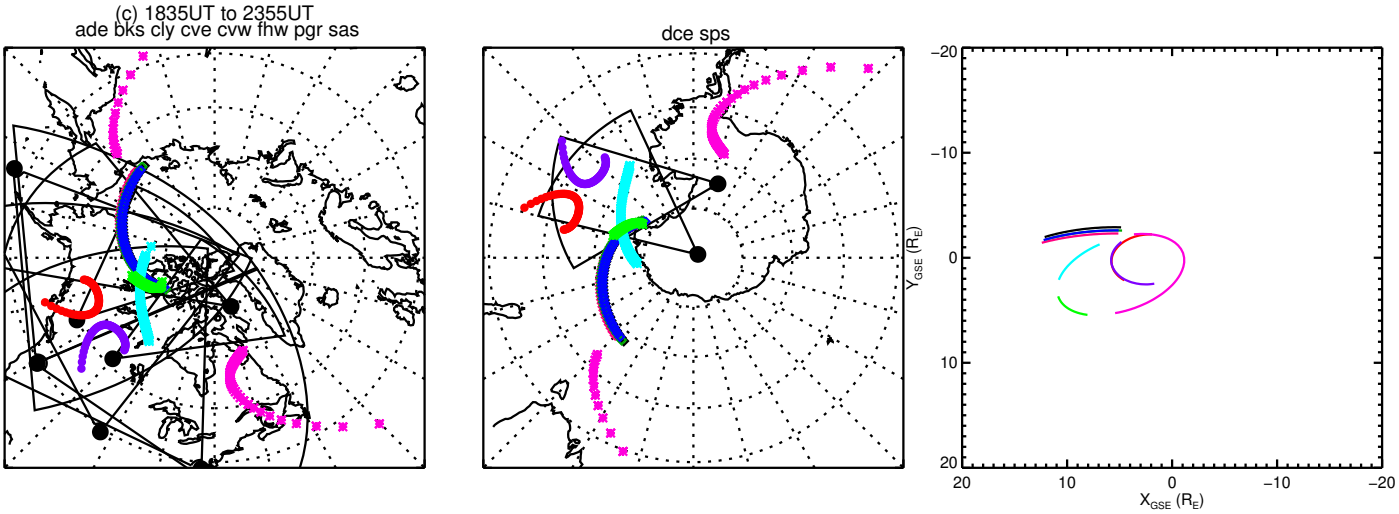


(b) 0940UT to 1455UT
fhe inv sto wal





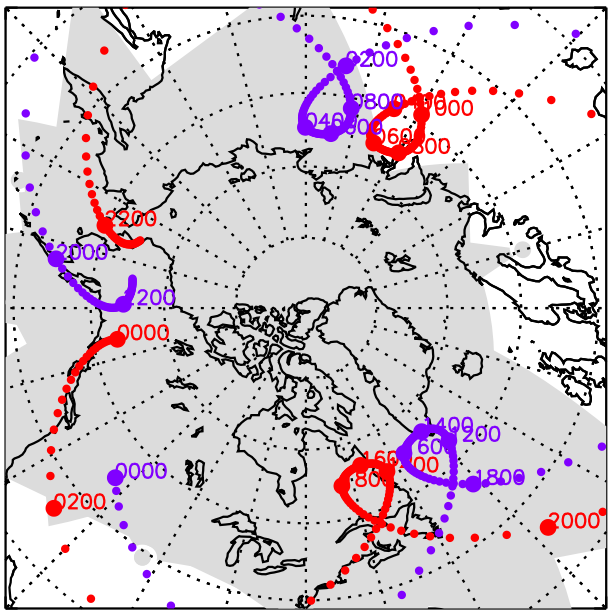


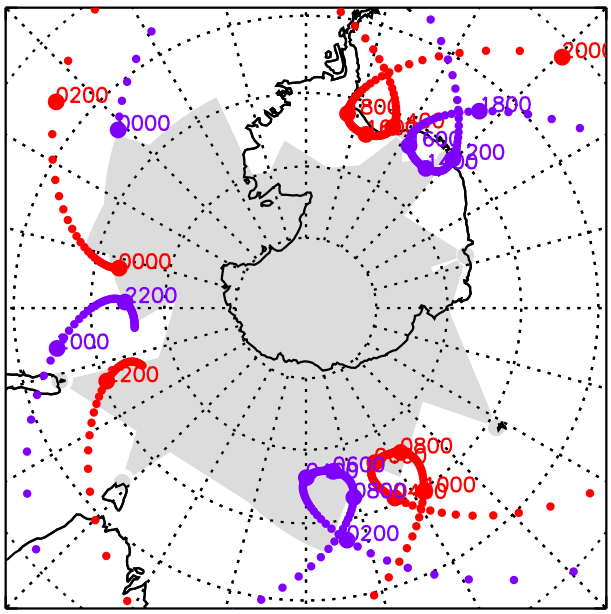

(c) 1835UT to 2355UT
ade bks cly cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

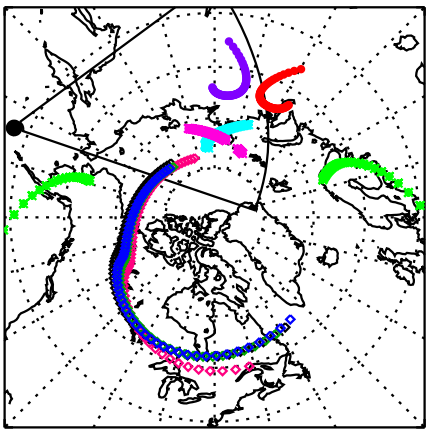
20–Feb–2014

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

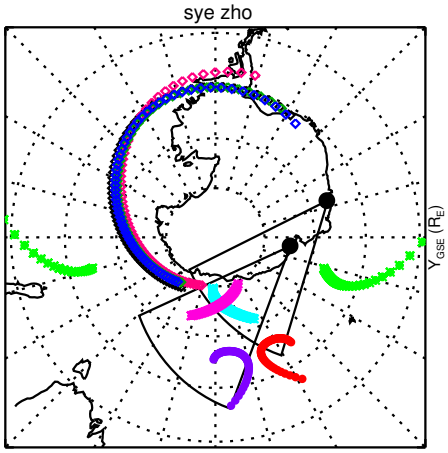


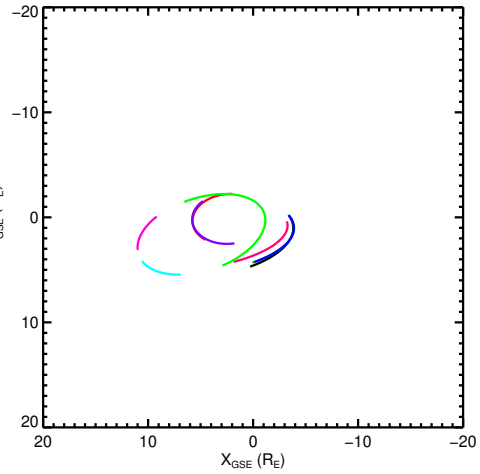


(a) 0335UT to 0855UT
adw

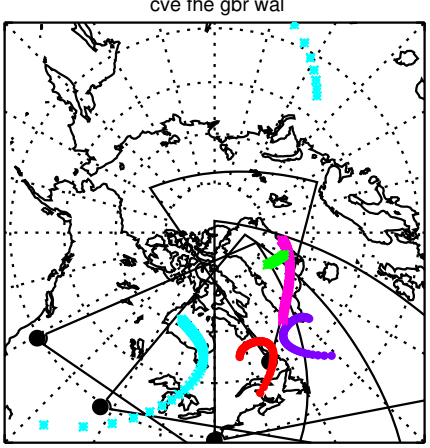


sye zho

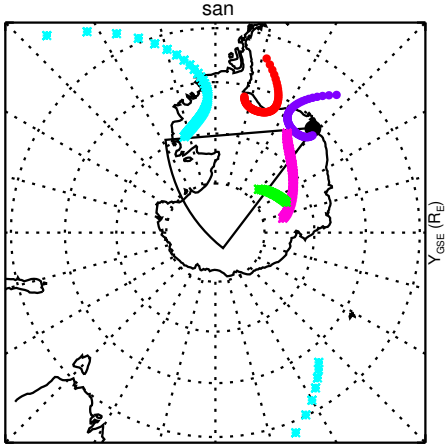


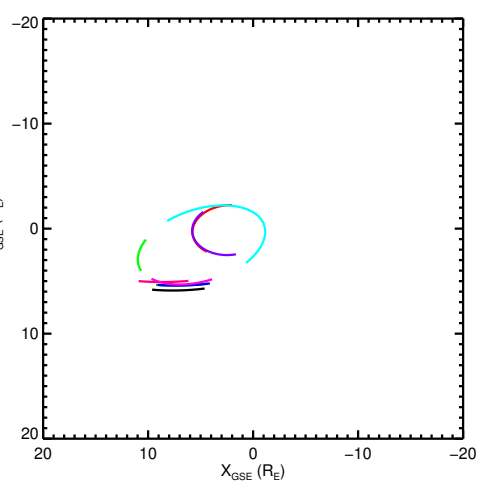


(b) 1235UT to 1800UT
cve fhe gbr wal

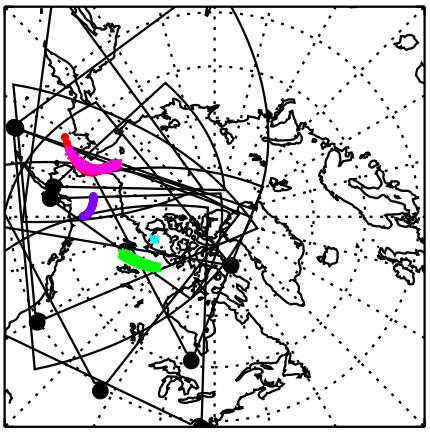


san

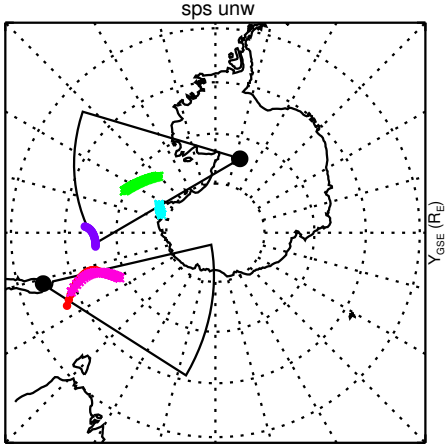


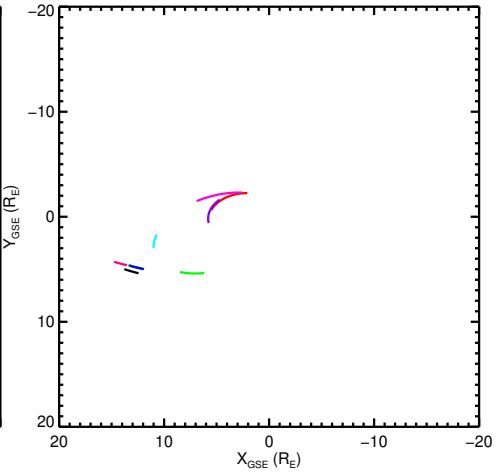


(c) 2135UT to 2355UT
ade adw bks cly cvw fhw hok kap kod ksr



sps unw

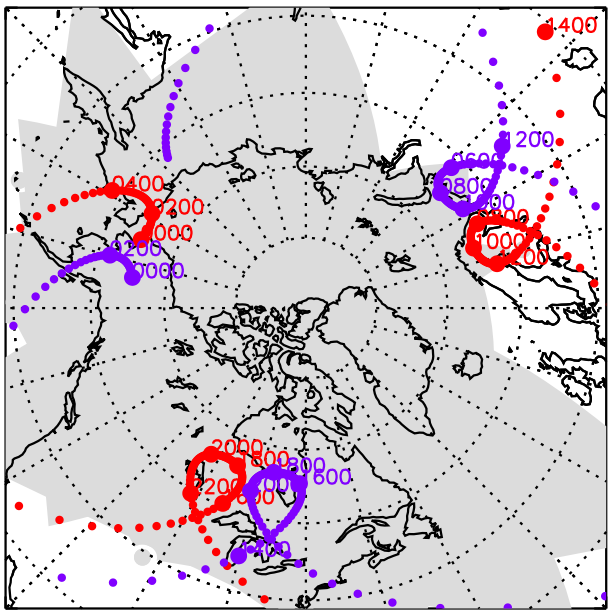


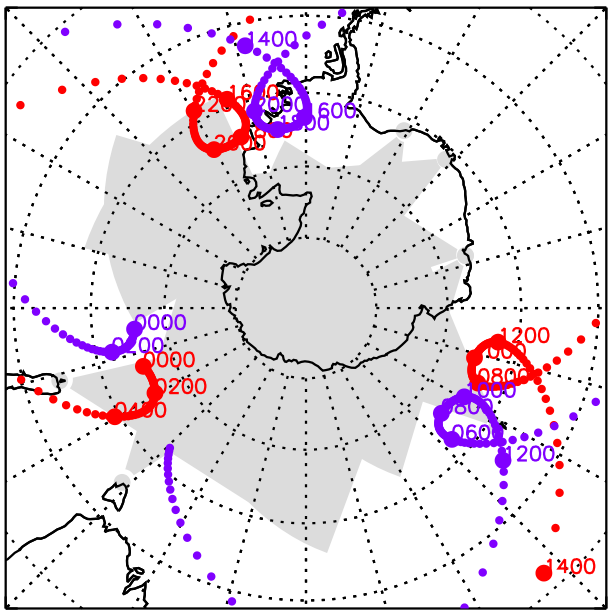


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

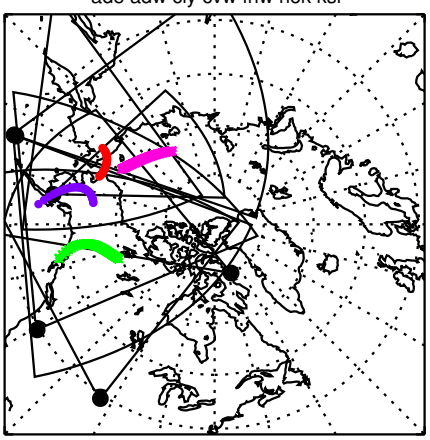
21−Feb−2014

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

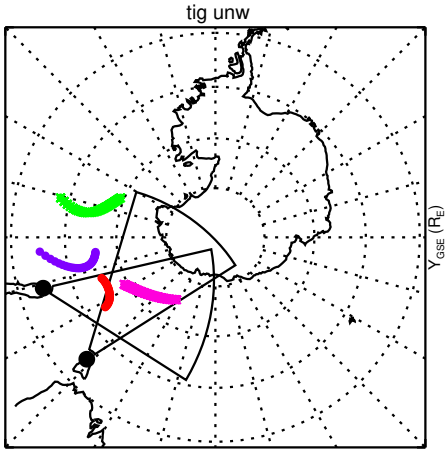


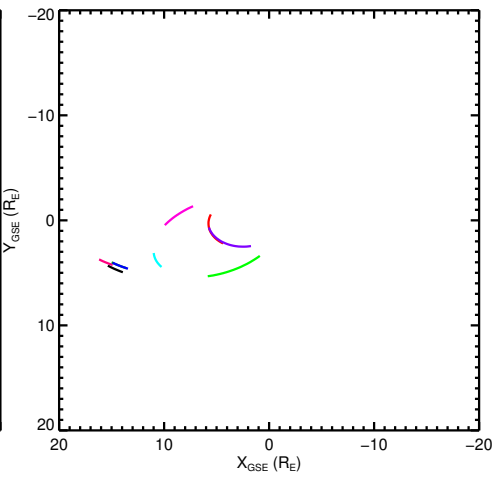


(a) 0000UT to 0300UT
ade adw cly cvw fhw hok ksr

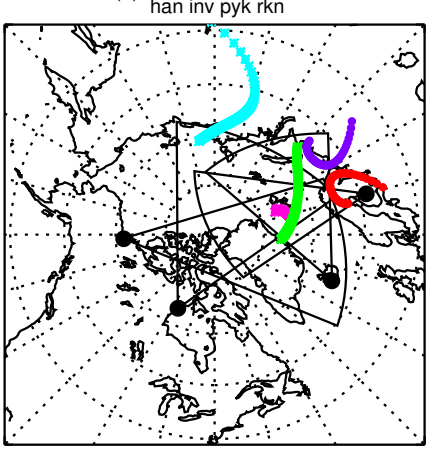


tig unw

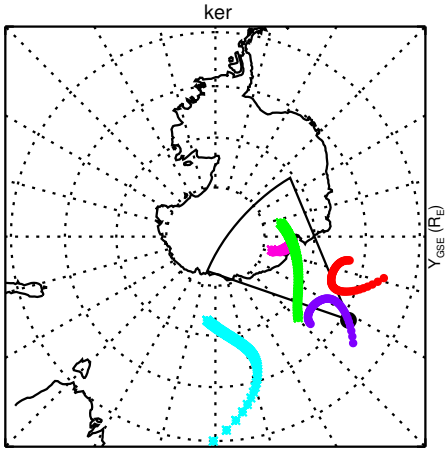


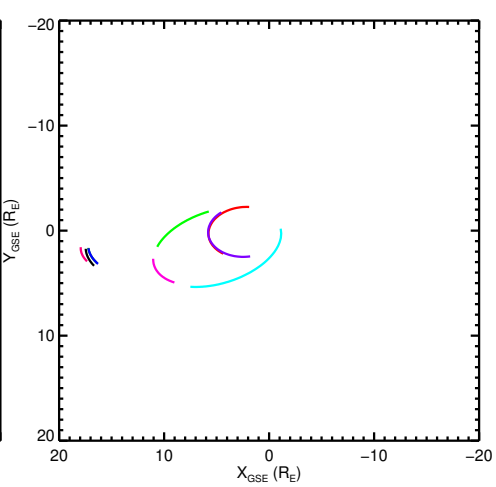


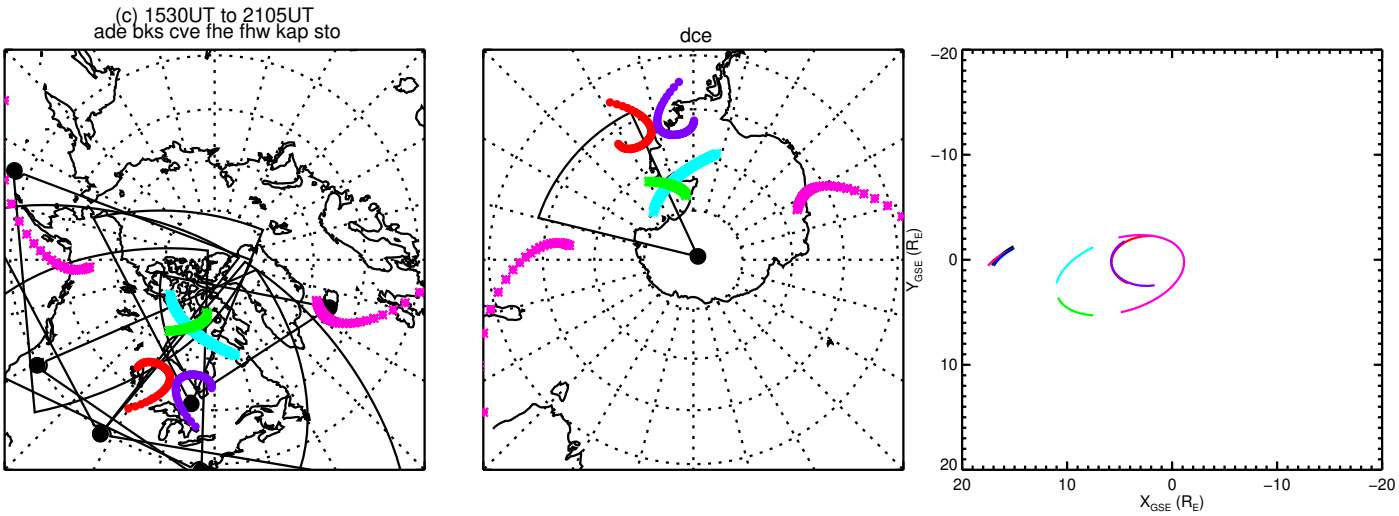
(b) 0630UT to 1200UT
han inv pyk rkn



ker



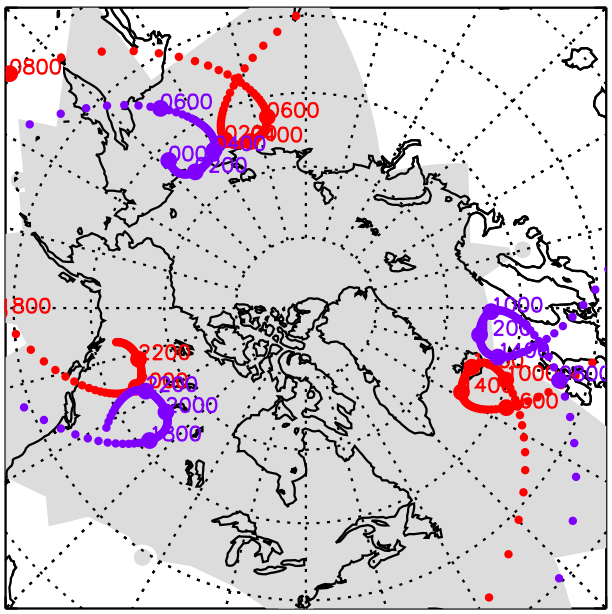


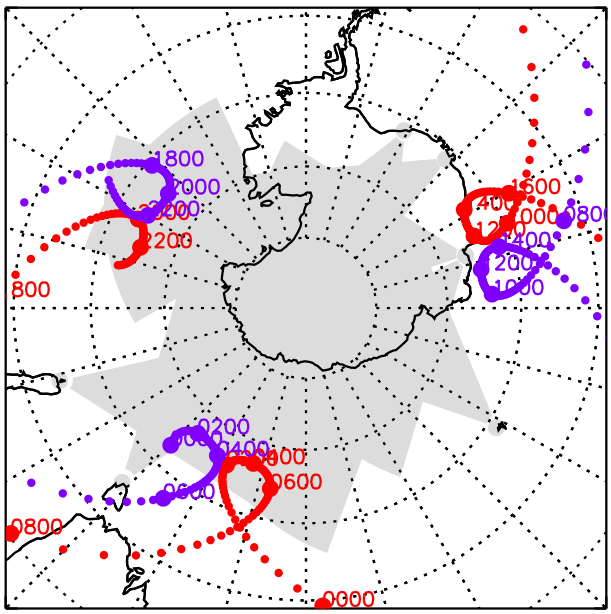

(c) 1530UT to 2105UT
ade bks cve fhe fhw kap sto
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

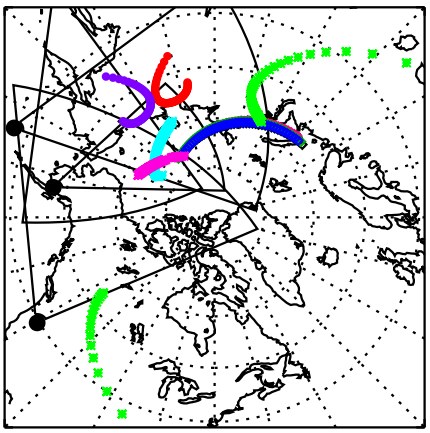
22–Feb–2014

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

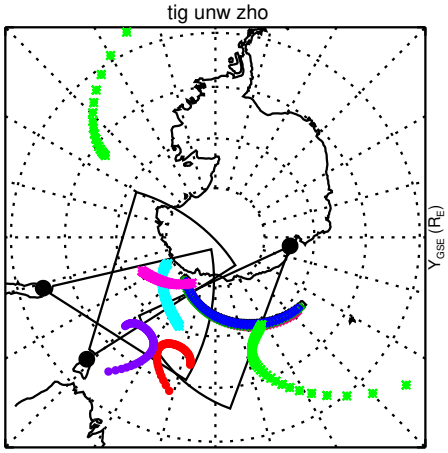


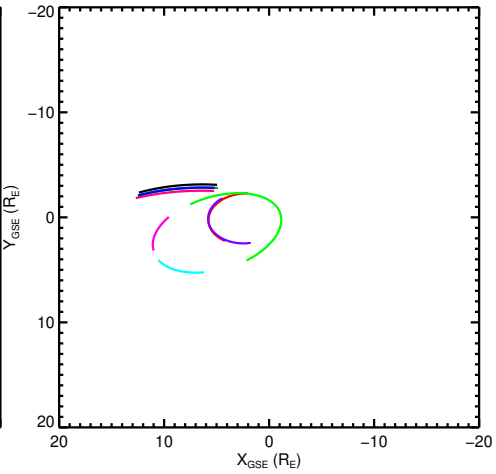


(a) 0030UT to 0605UT
adw cvw hok ksr

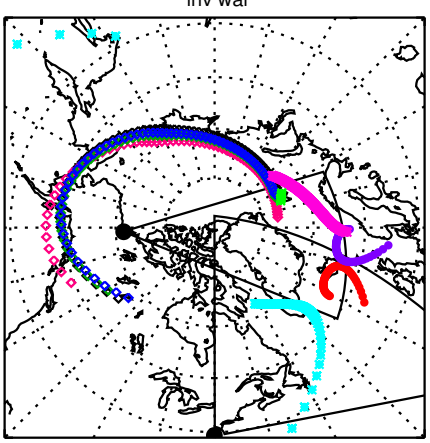


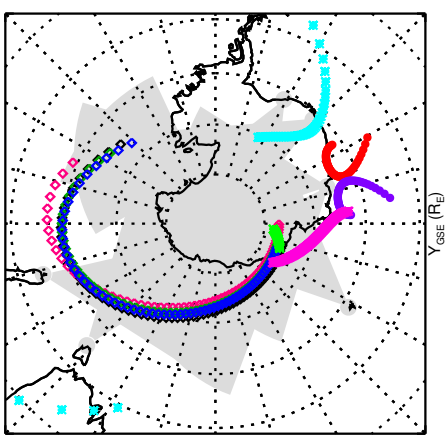
tig unw zho

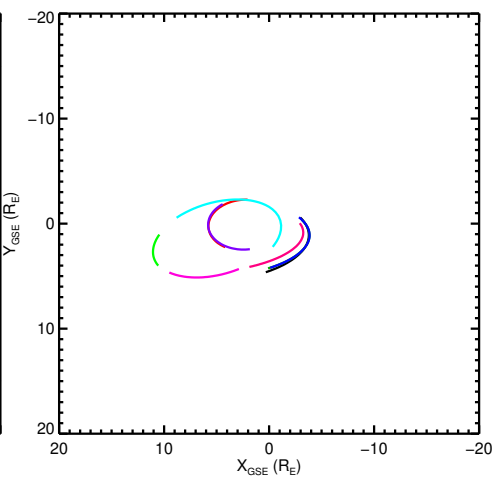


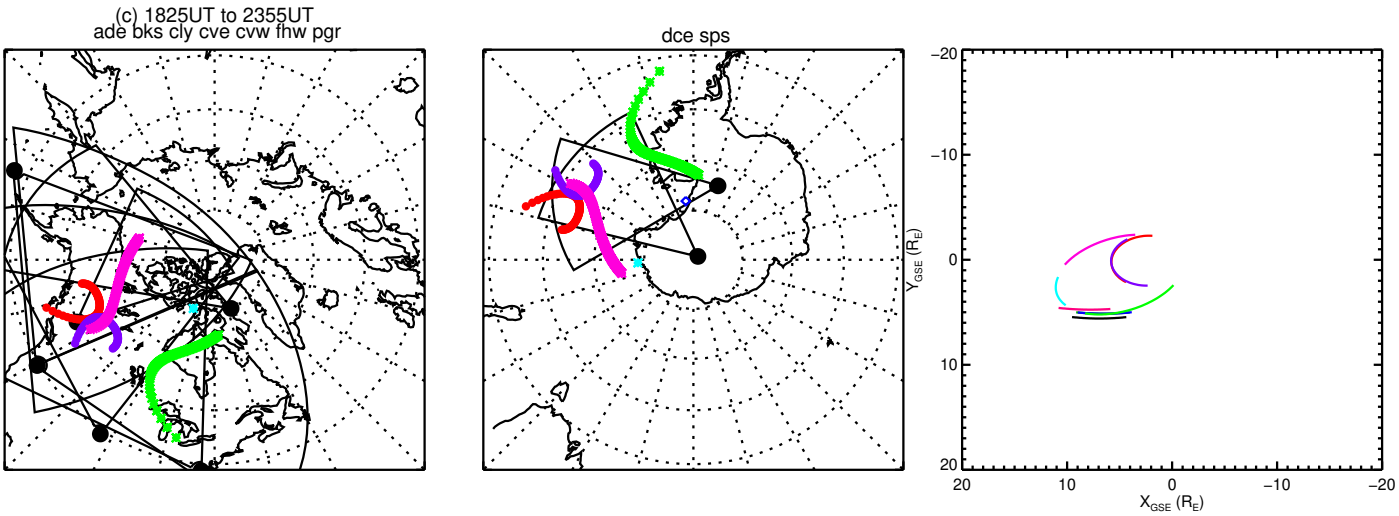


(b) 0930UT to 1505UT
inv wal





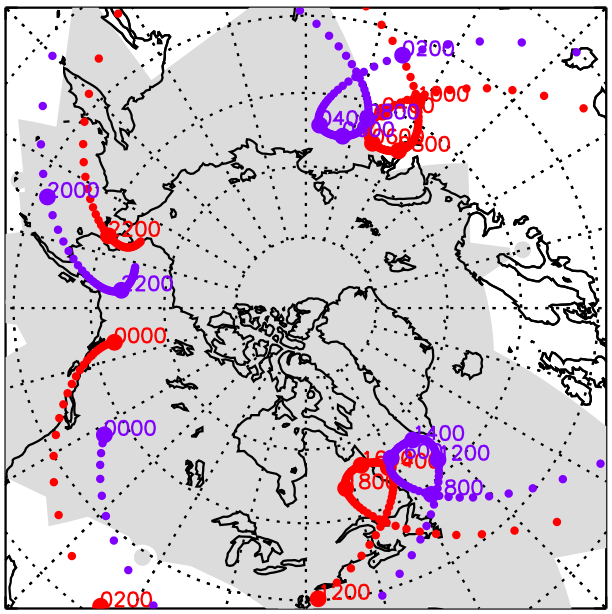


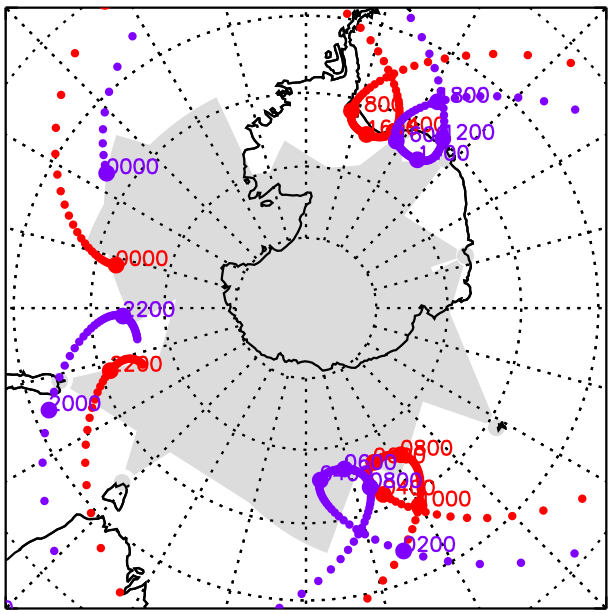

(c) 1825UT to 2355UT
ade bks cly cve cvw fhw pgr
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

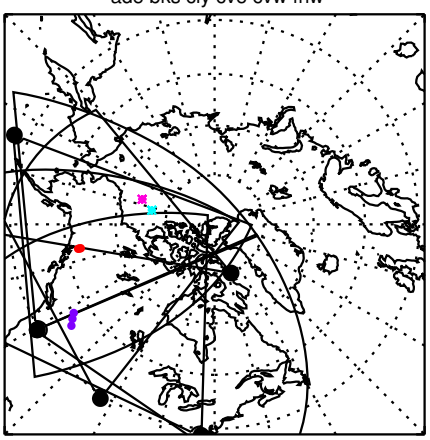
23–Feb–2014

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

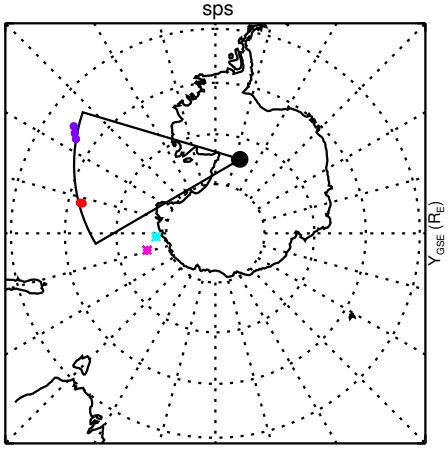


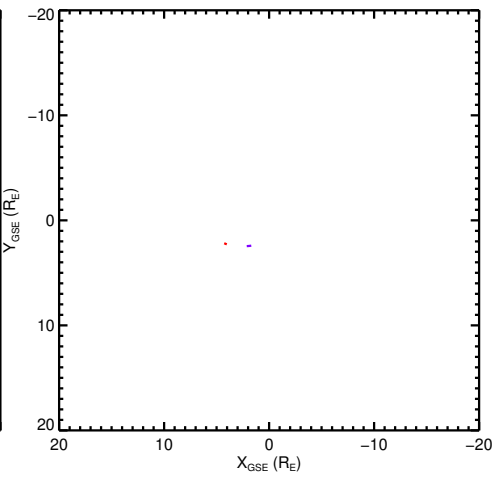


(a) 0000UT to 0010UT
ade bks cly cve cvw fhw

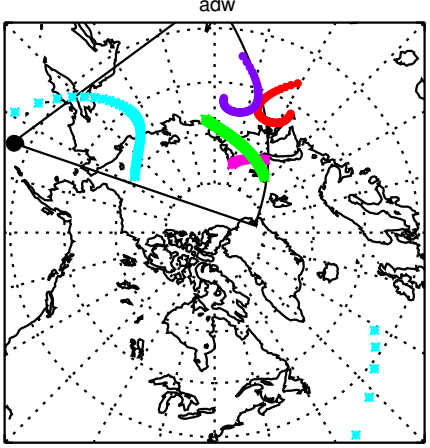


sps

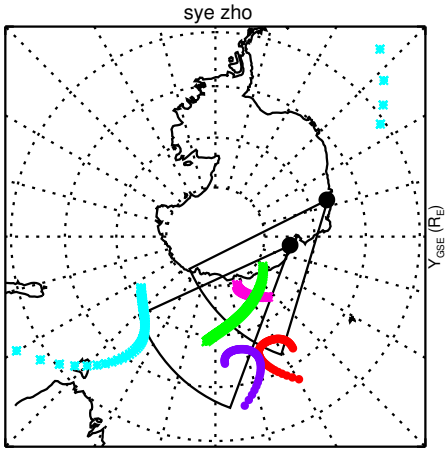


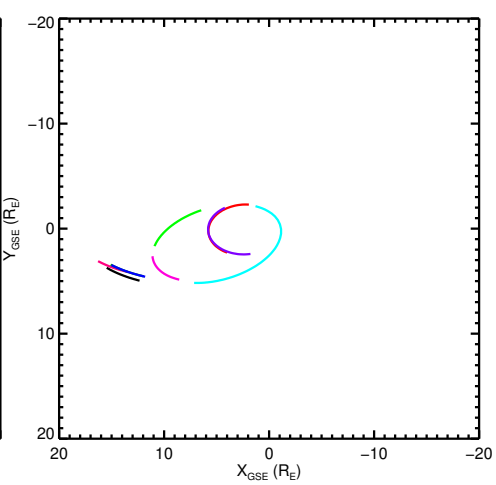


(b) 0325UT to 0910UT
adw

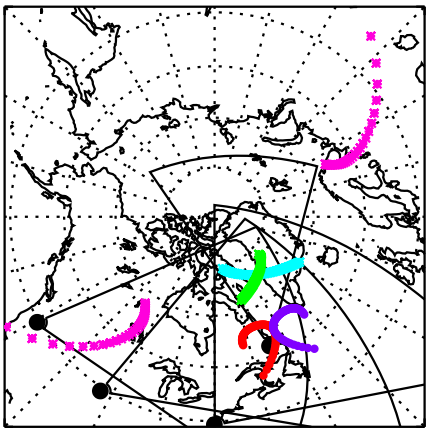


sye zho

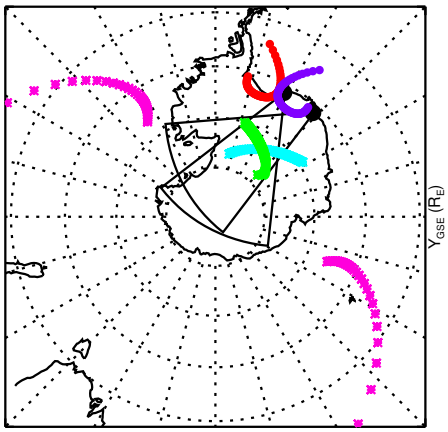


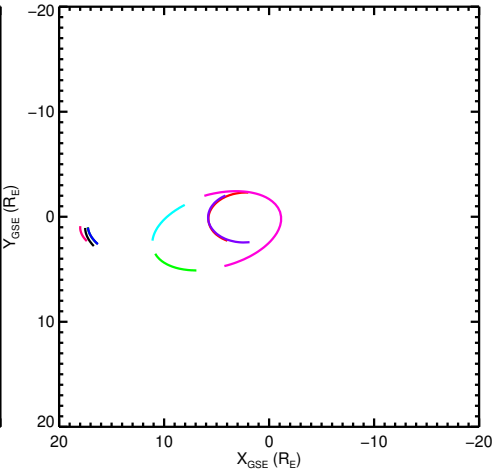


(c) 1225UT to 1810UT
cve fhe gbr wal

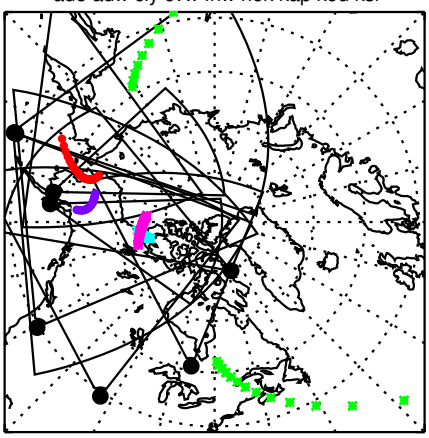


hal san

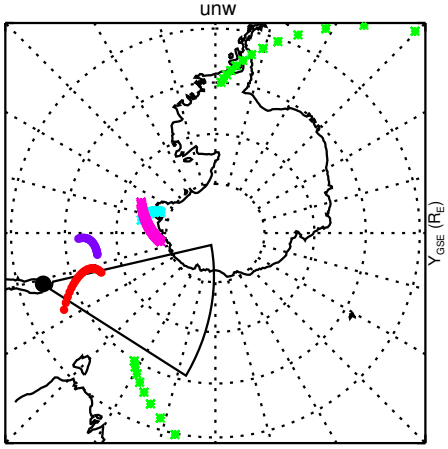


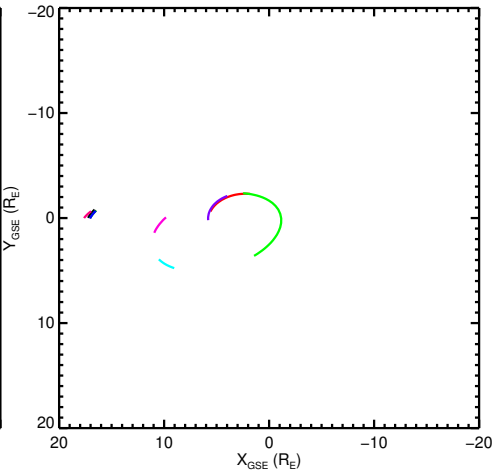


(d) 2120UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr



unw

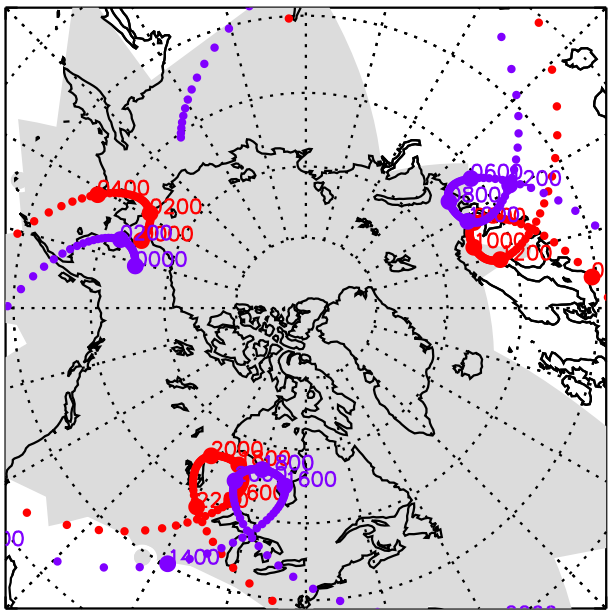


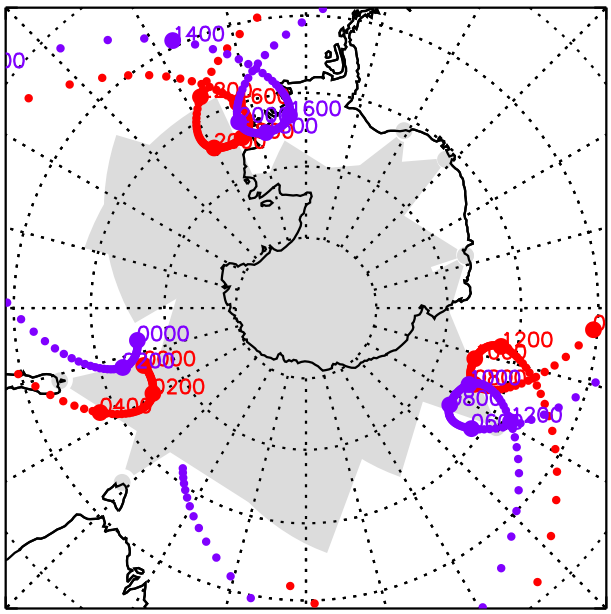


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

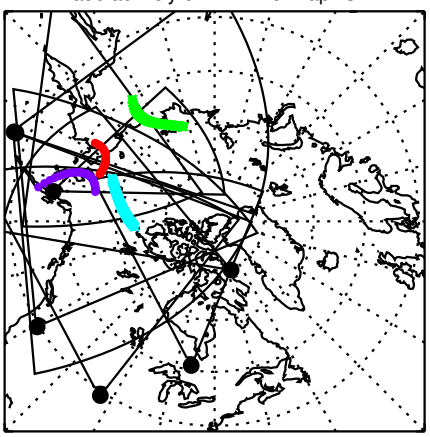
24–Feb–2014

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

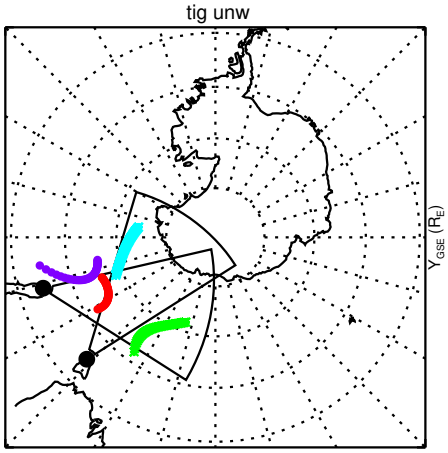


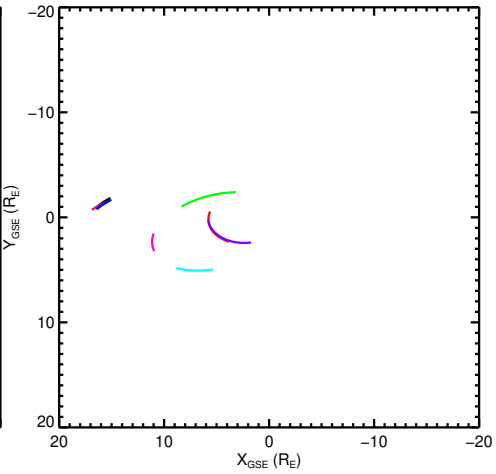


(a) 0000UT to 0315UT
ade adw cly cvw fhw hok kap ksr

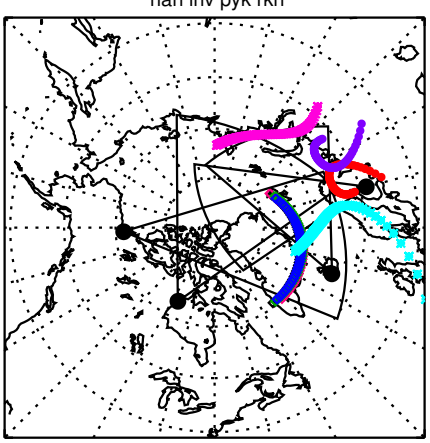


tig unw

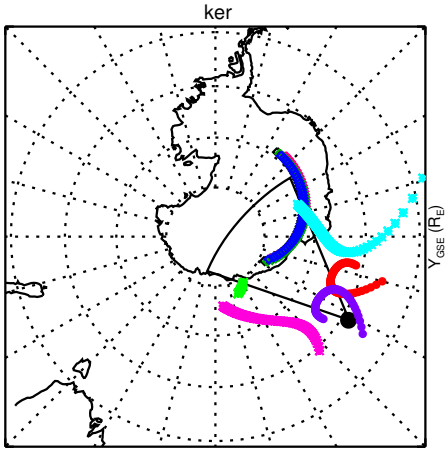


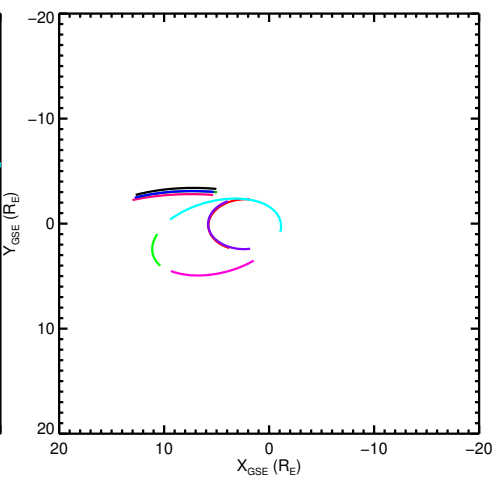


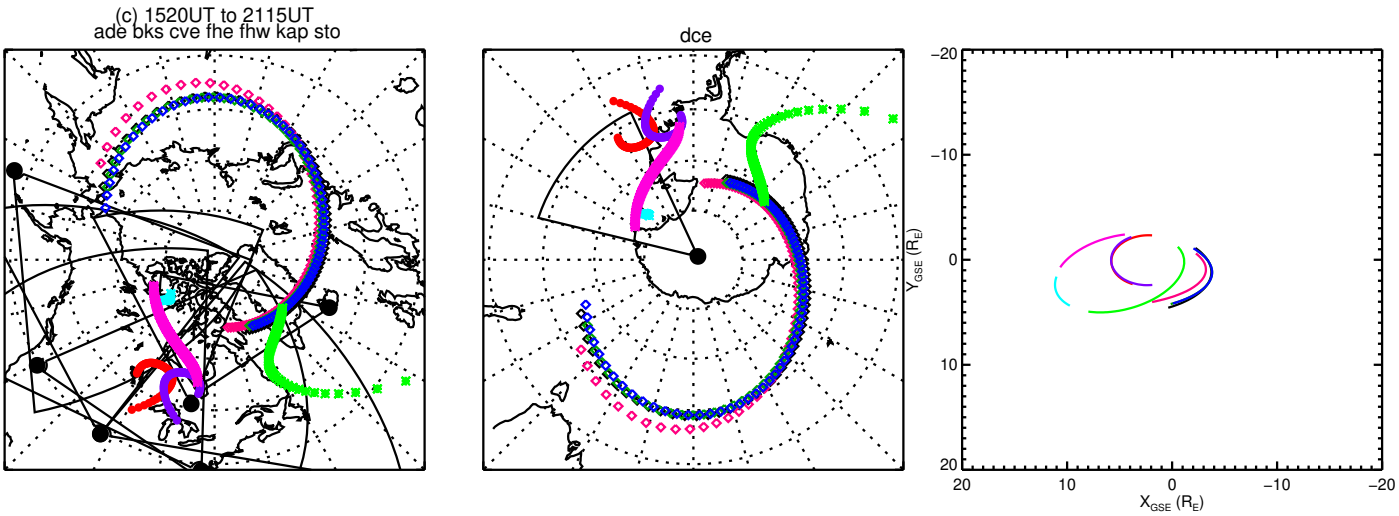
(b) 0620UT to 1215UT
han inv pyk rkn



ker



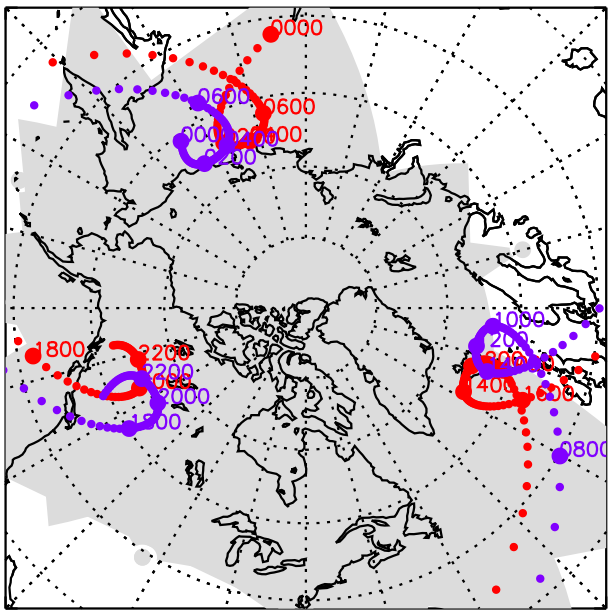


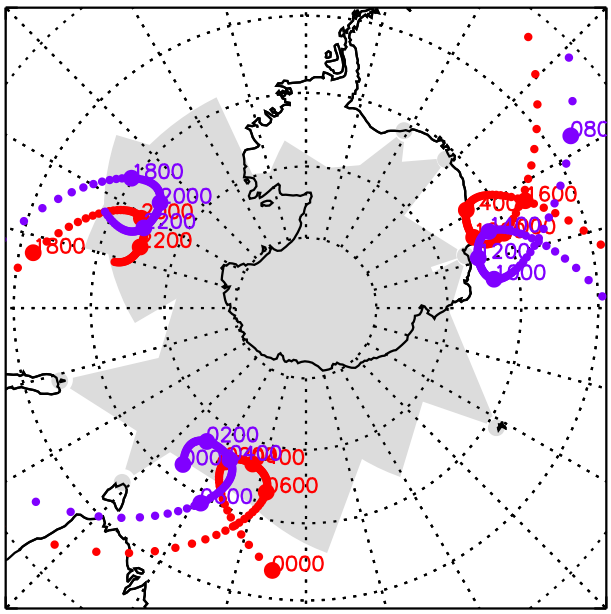

(c) 1520UT to 2115UT
ade bks cve fhe fhw kap sto
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

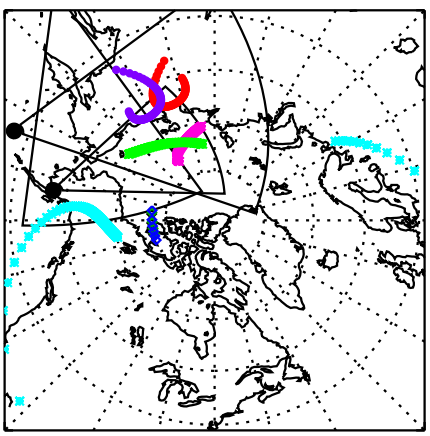
25–Feb–2014

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

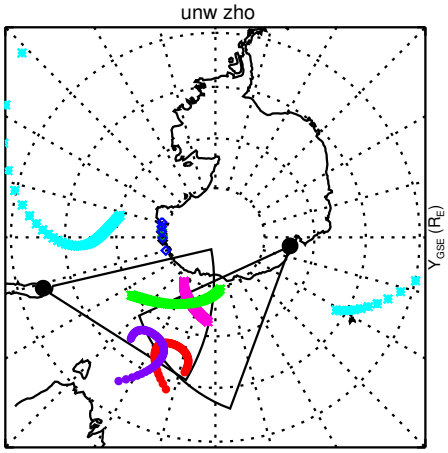


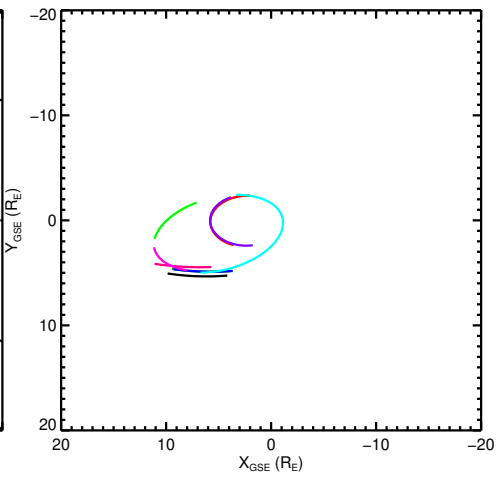


(a) 0020UT to 0620UT
adw hok ksr

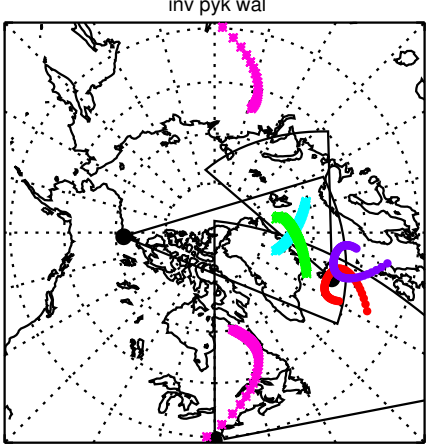


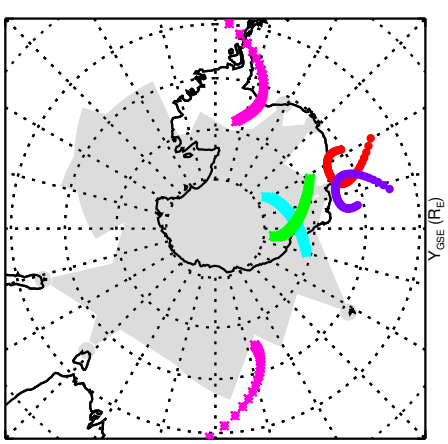
unw zho

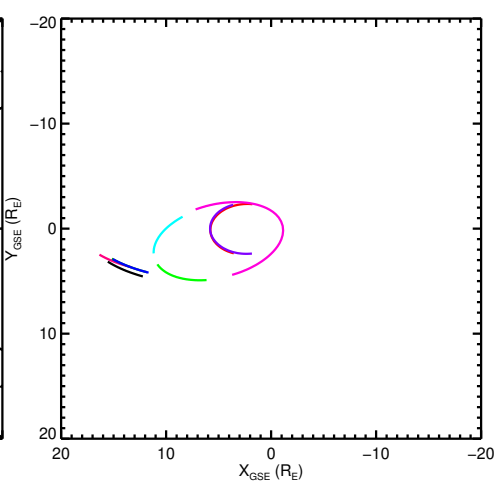


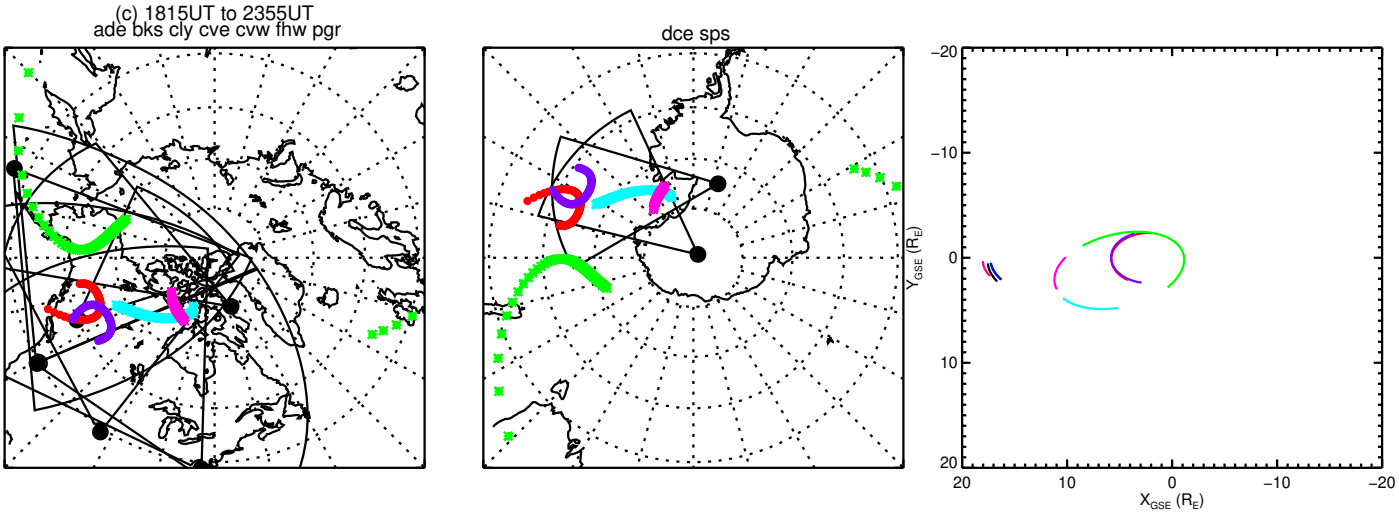


(b) 0915UT to 1520UT
inv pyk wal





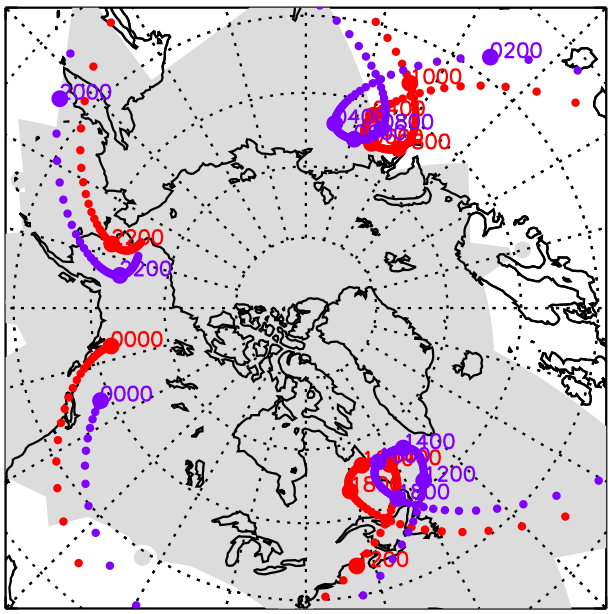


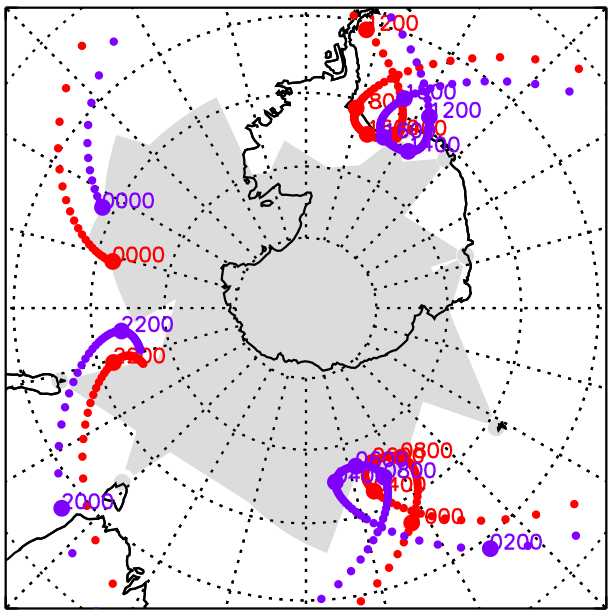

(c) 1815UT to 2355UT
ade bks cly cve cvw fhw pgr
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

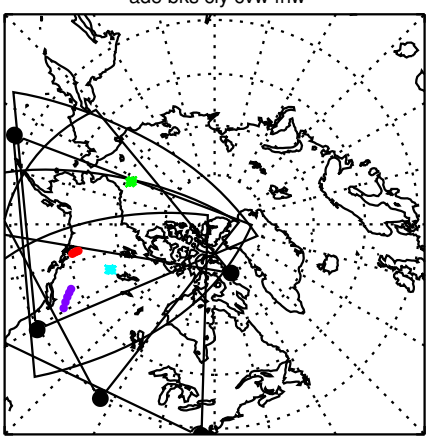
26–Feb–2014

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

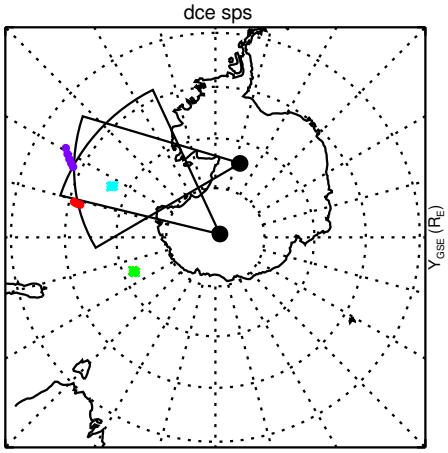


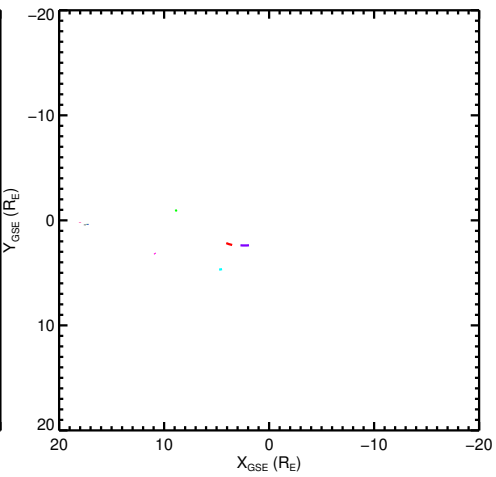


(a) 0000UT to 0020UT
ade bks cly cvw fhw

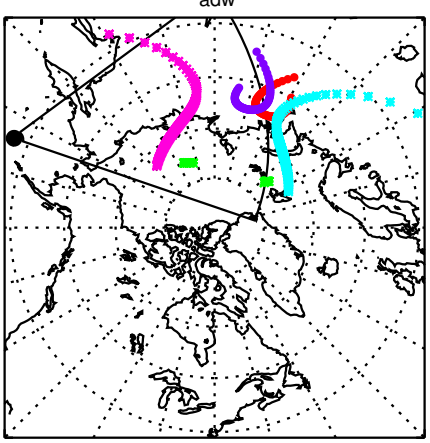


dce sps

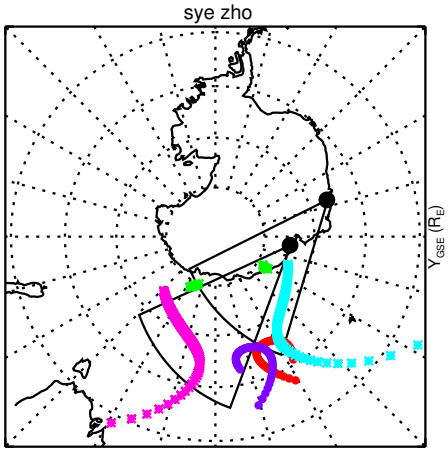


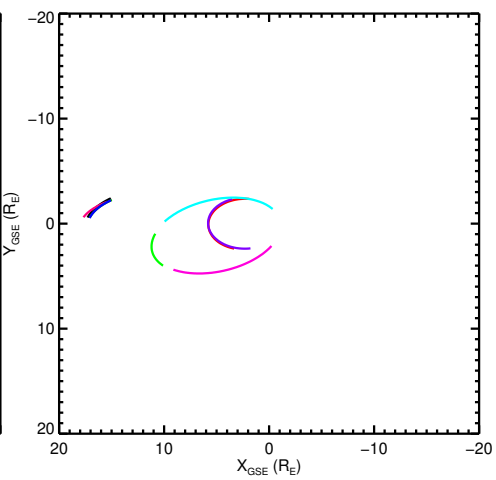


(b) 0315UT to 0925UT
adw

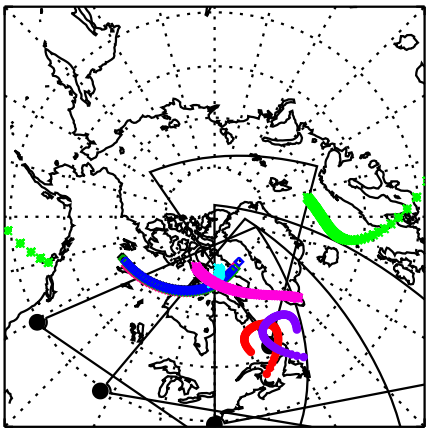


sye zho

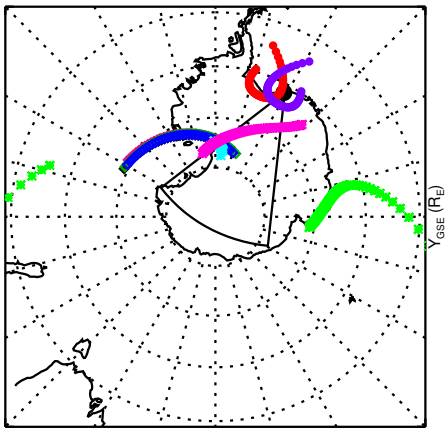


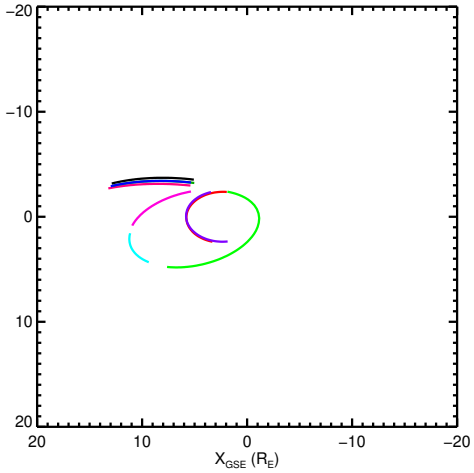


(c) 1215UT to 1825UT
cve fhe gbr wal

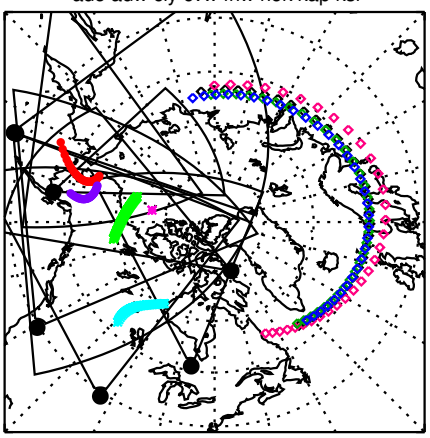


hal

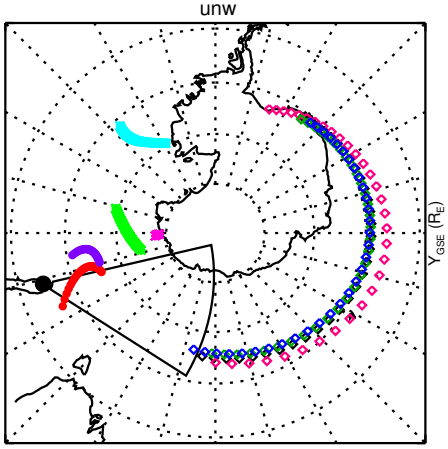


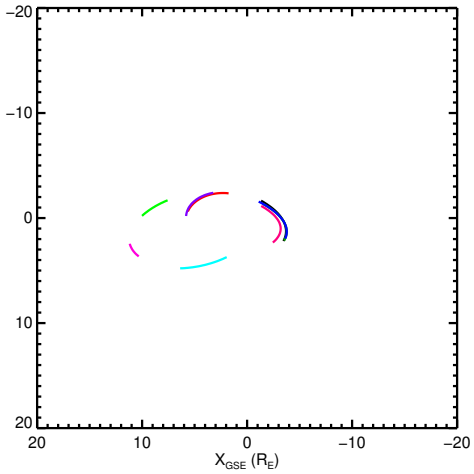


(d) 2110UT to 2355UT
ade adw cly cvw fhw hok kap ksr



unw

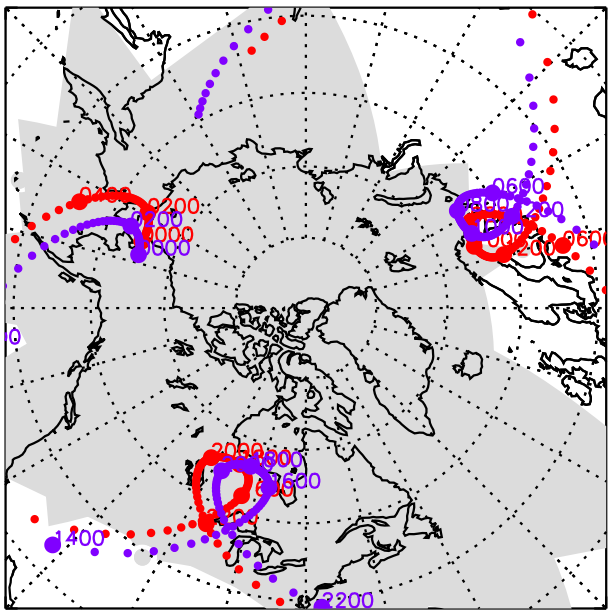


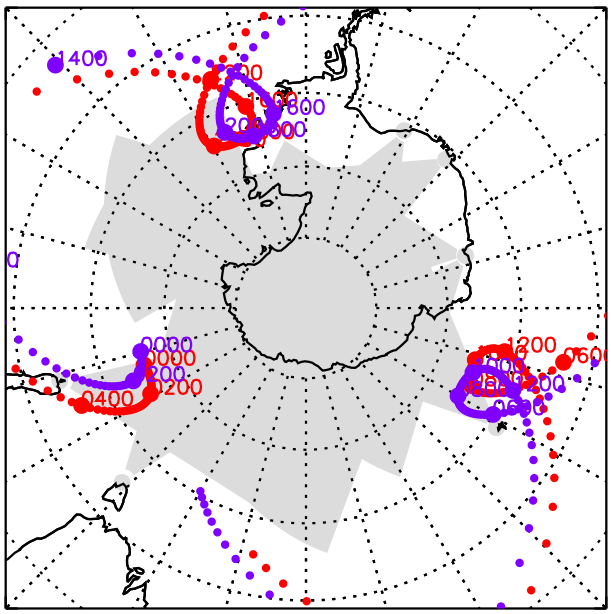


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

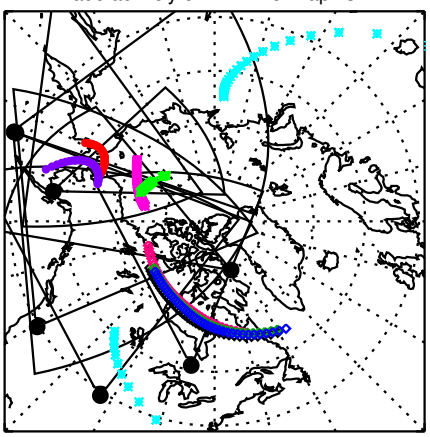
27−Feb−2014

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

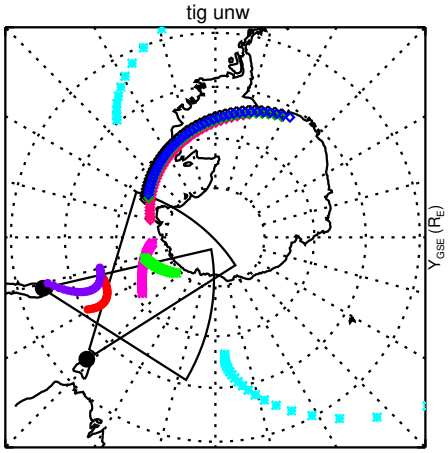


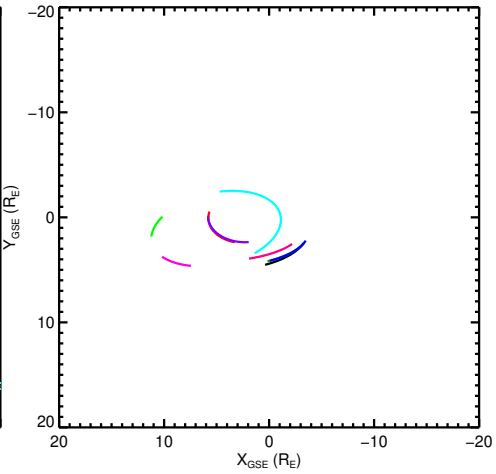


(a) 0000UT to 0325UT
ade adw cly cvw fhw hok kap ksr

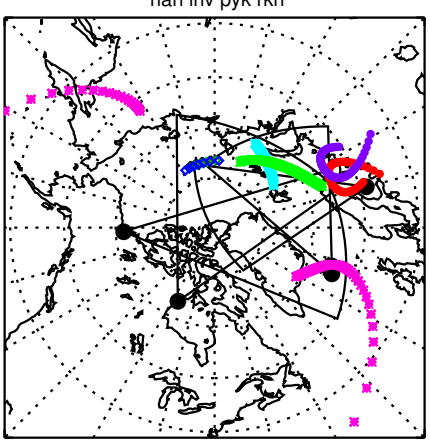


tig unw

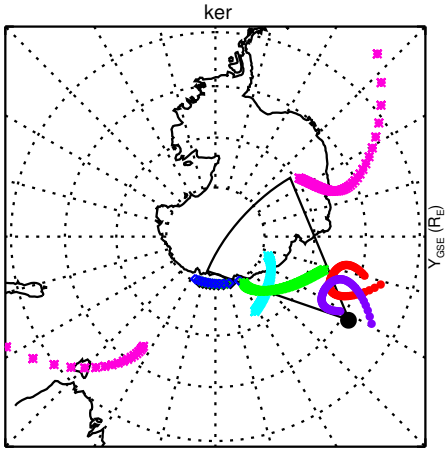


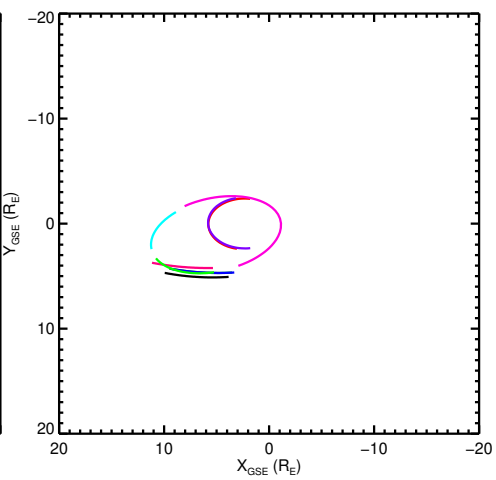


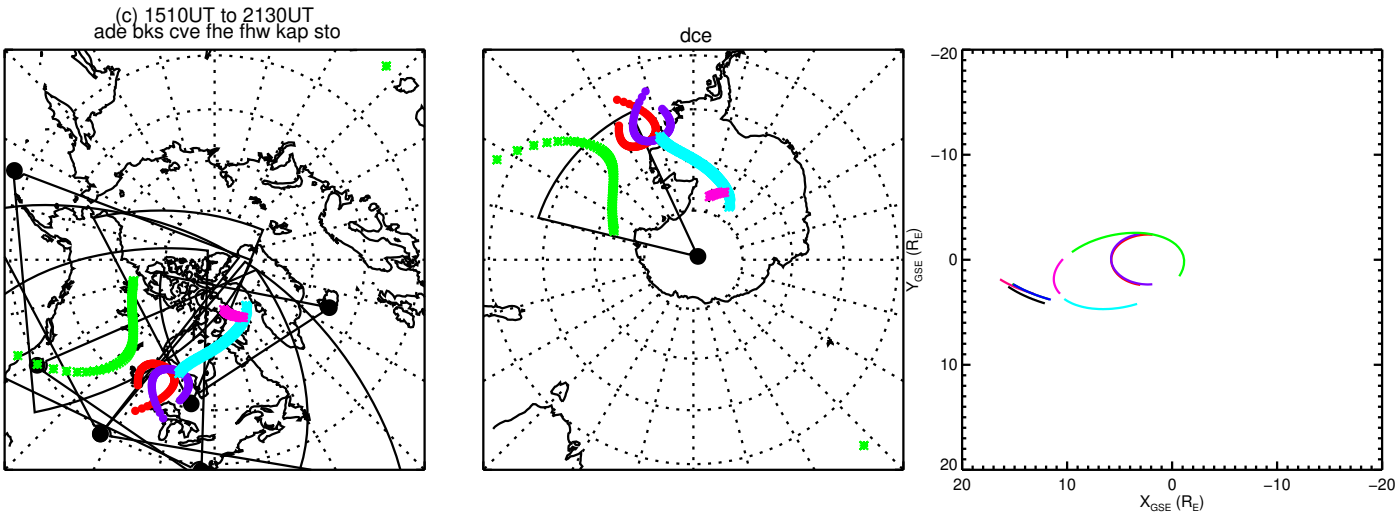
(b) 0610UT to 1230UT
han inv pyk rkn



ker



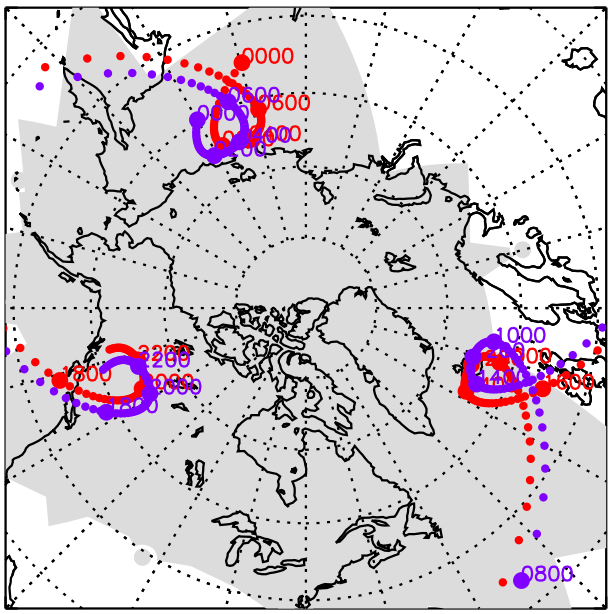


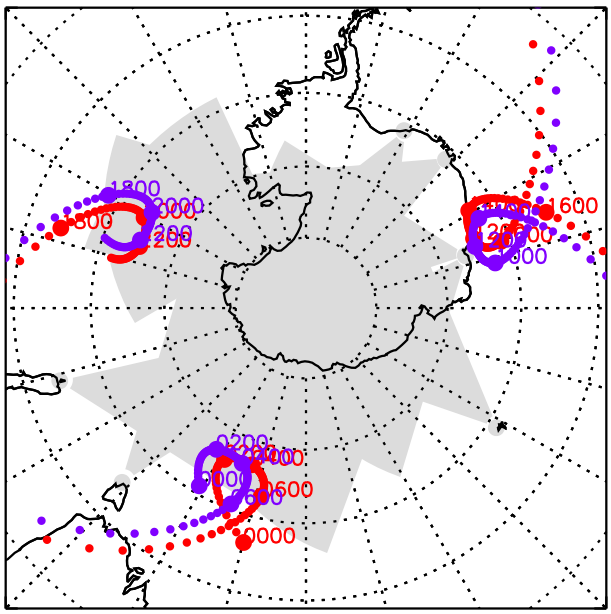

(c) 1510UT to 2130UT
ade bks cve fhe fhw kap sto
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

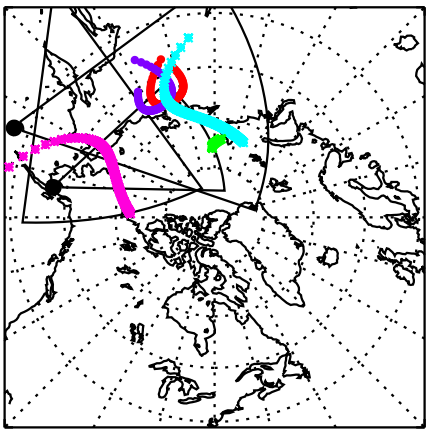
28–Feb–2014

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

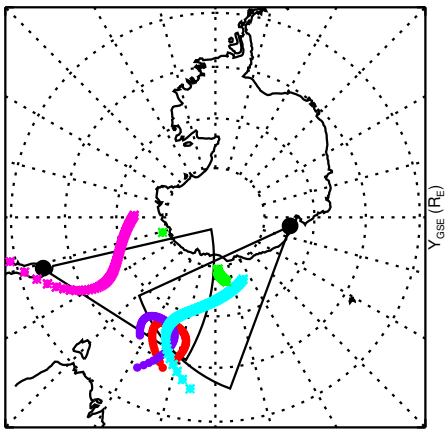


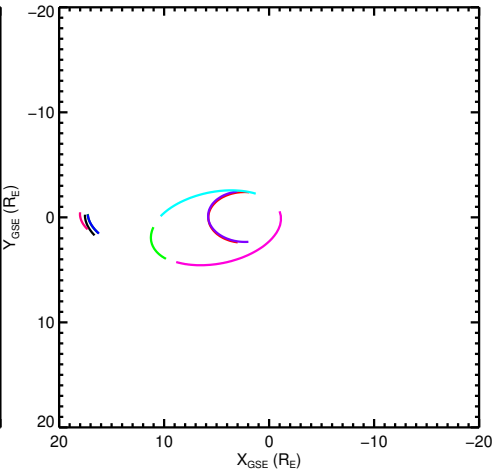


(a) 0010UT to 0630UT
adw hok ksr

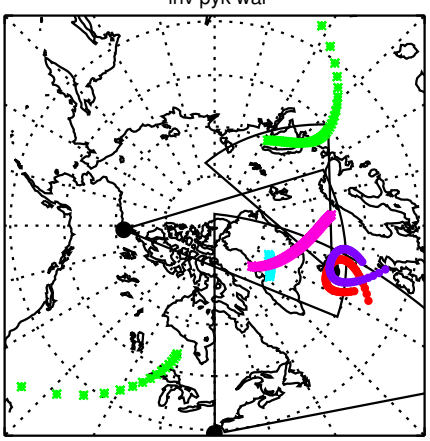


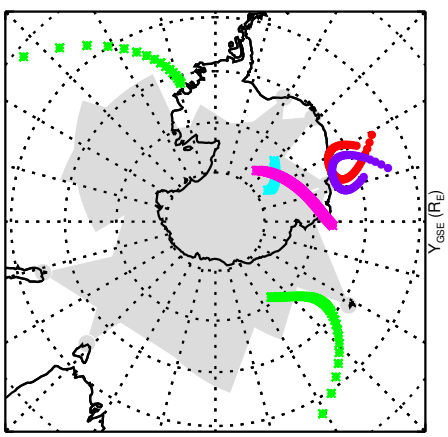
unw zho

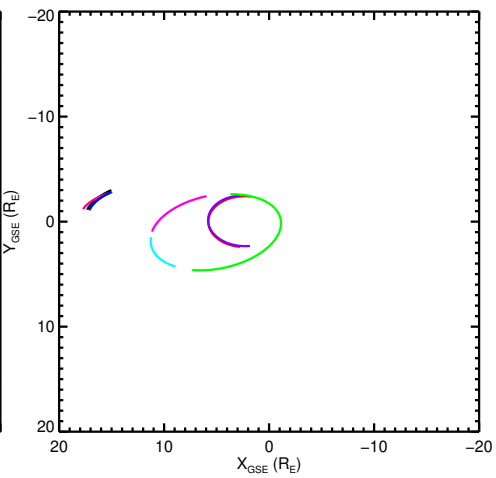


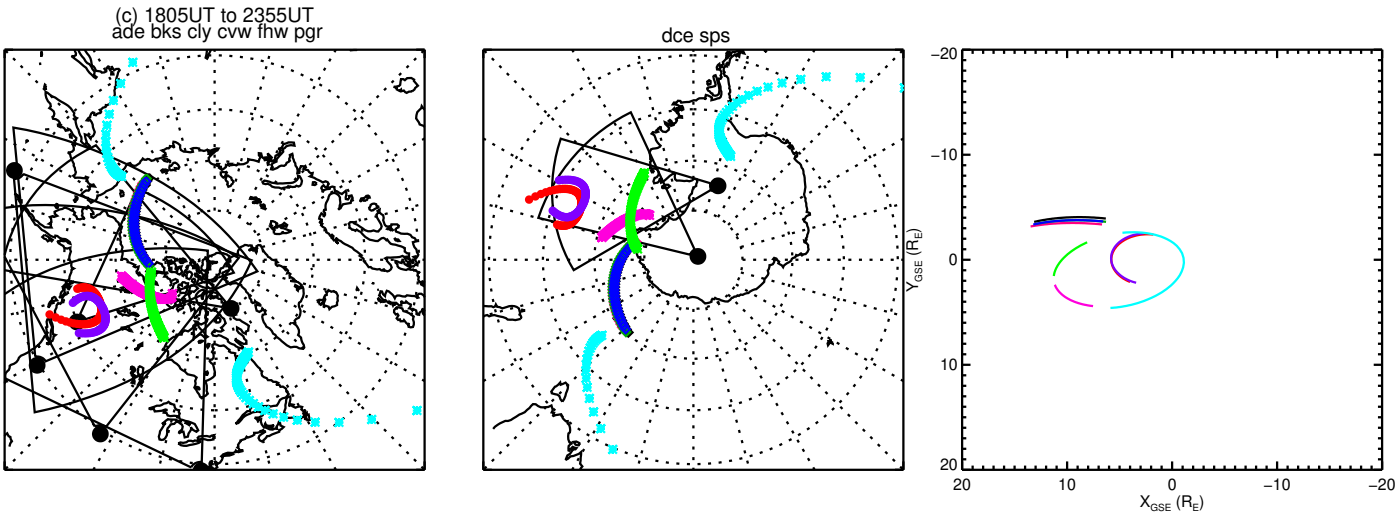


(b) 0905UT to 1535UT
inv pyk wal








(c) 1805UT to 2355UT
ade bks cly cvw fhw pgr
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)