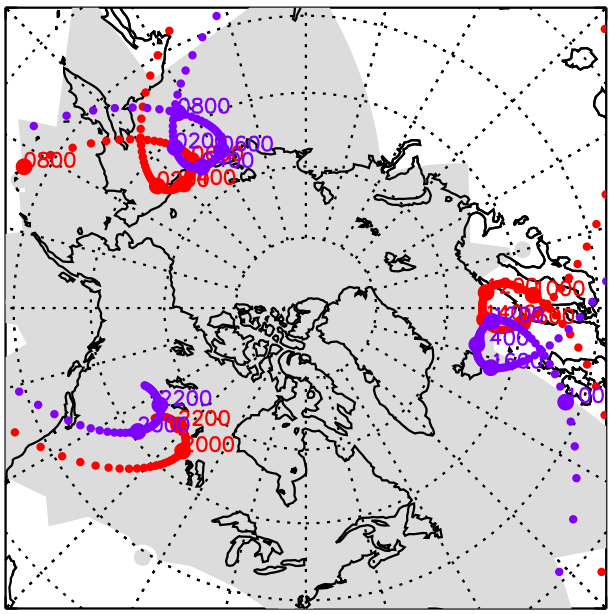
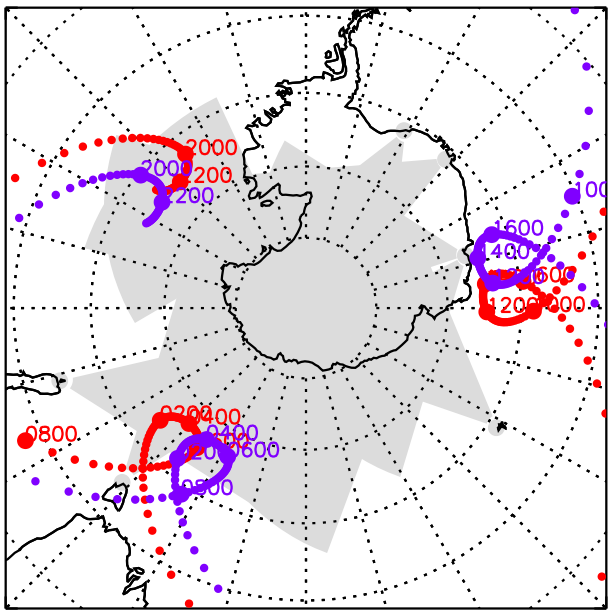
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

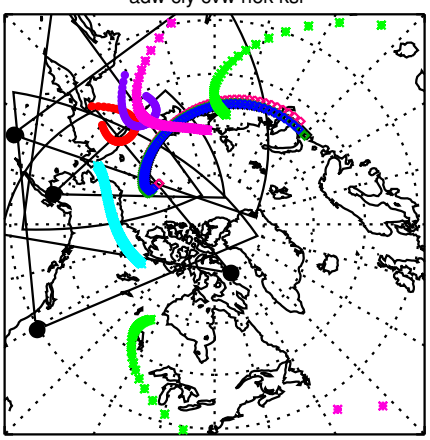
01–Jan–2014

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

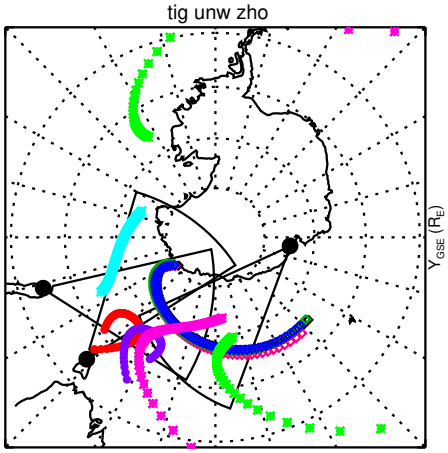


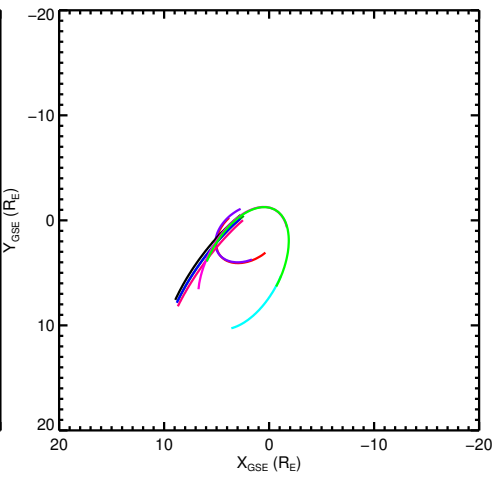


(a) 0115UT to 0730UT
adw cly cvw hok ksr

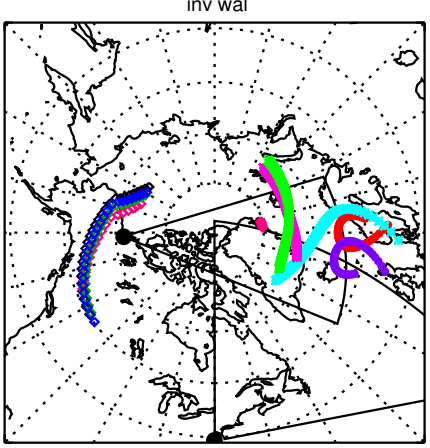


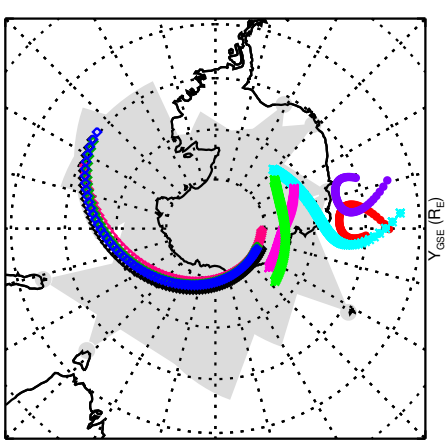
tig unw zho

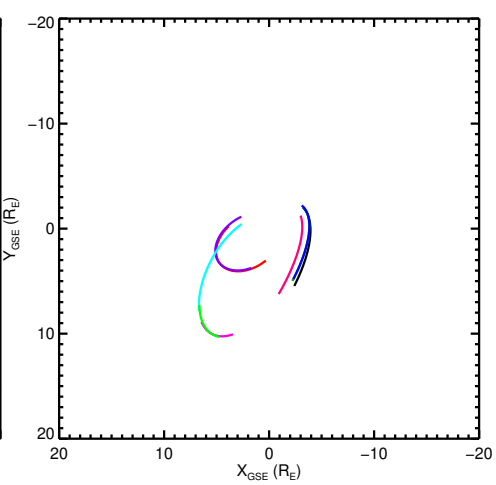


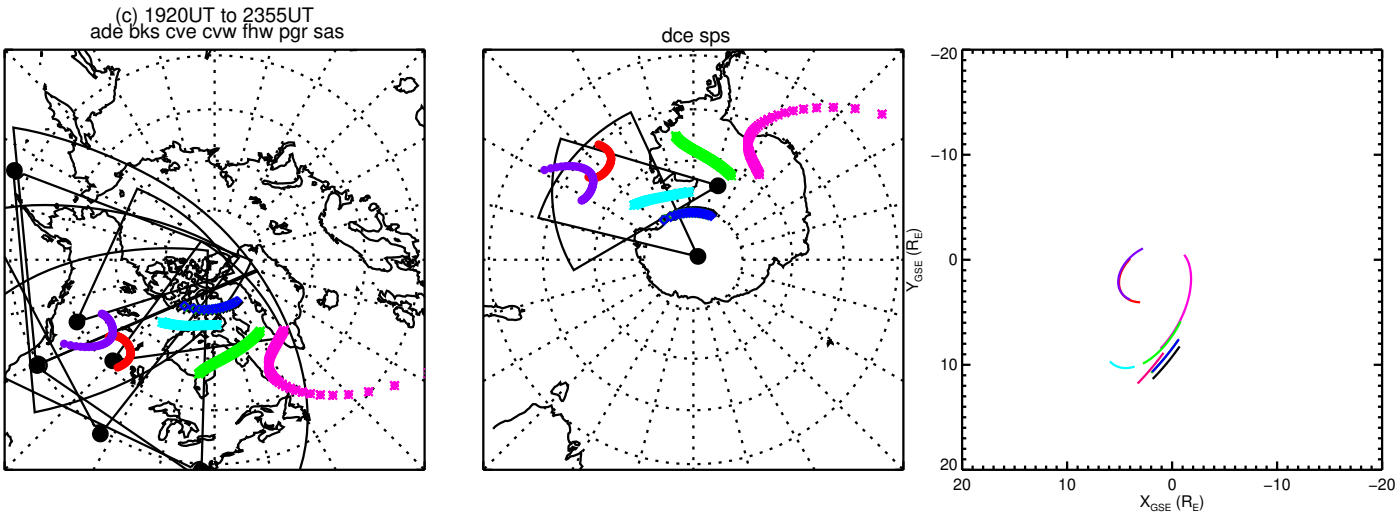


(b) 1015UT to 1630UT
inv wal





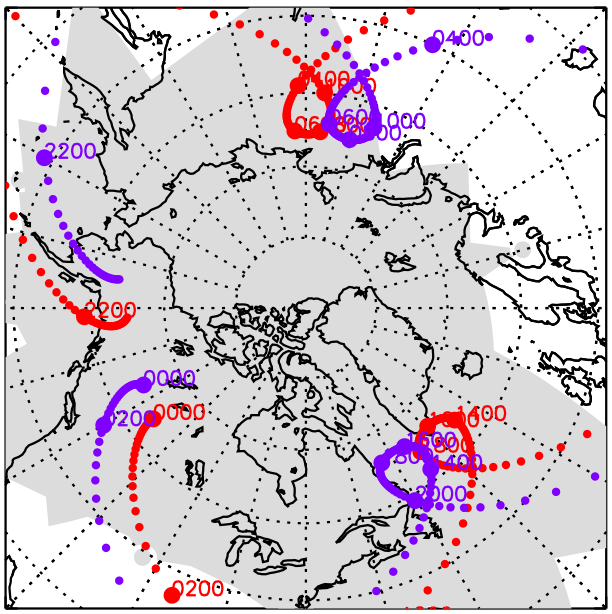


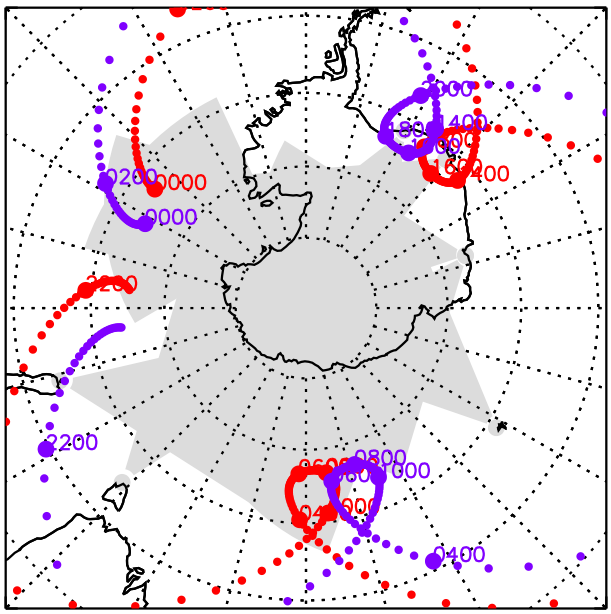

(c) 1920UT to 2355UT
ade bks cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

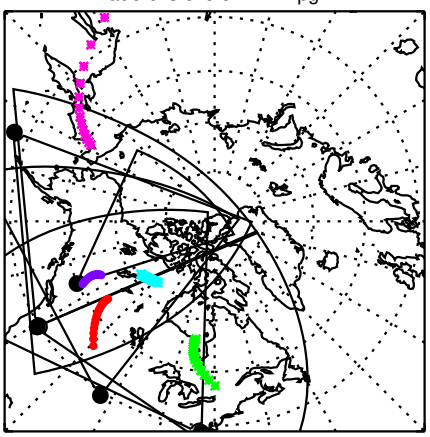
02–Jan–2014

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

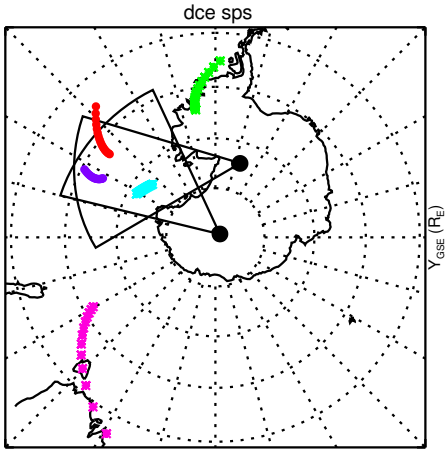


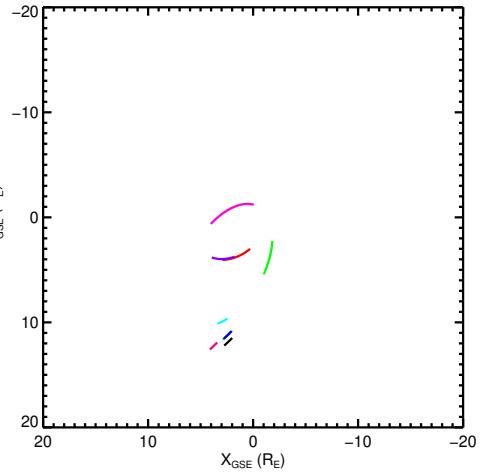


(a) 0000UT to 0130UT
ade bks cve cvw fhw pgr

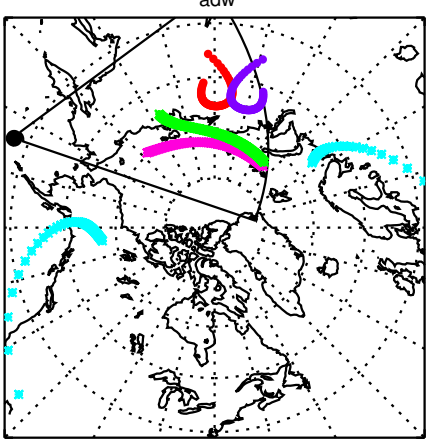


dce sps

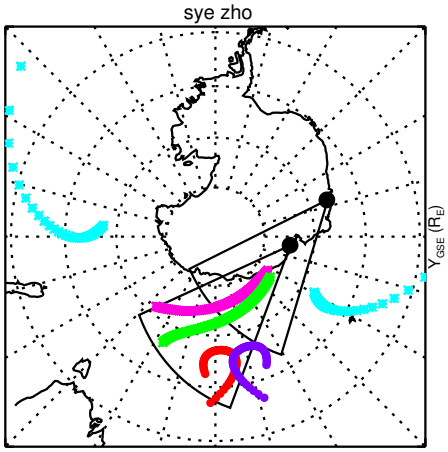


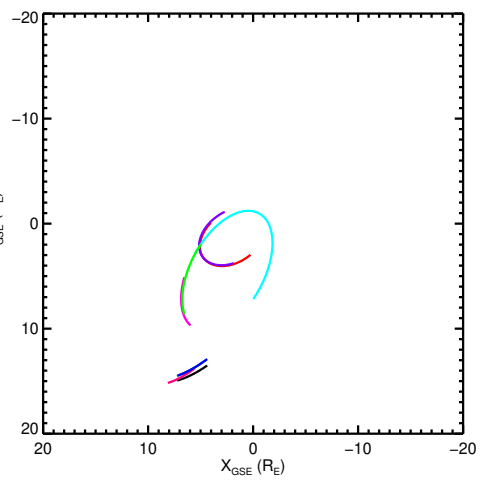


(b) 0420UT to 1030UT
adw

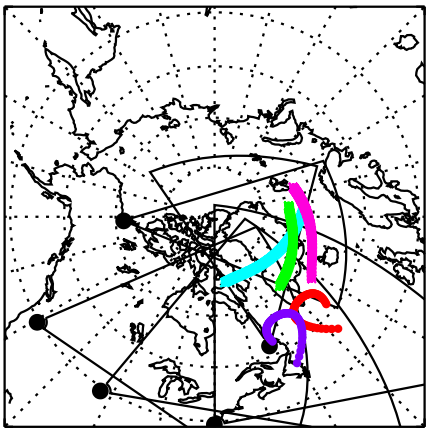


sye zho

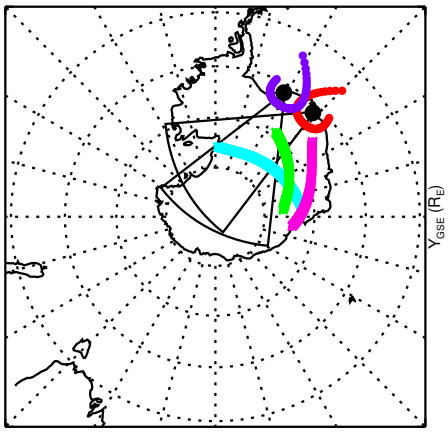


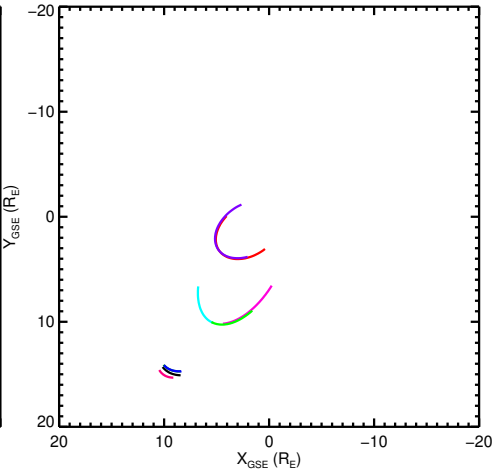


(c) 1320UT to 1925UT
cve fhe gbr inv wal

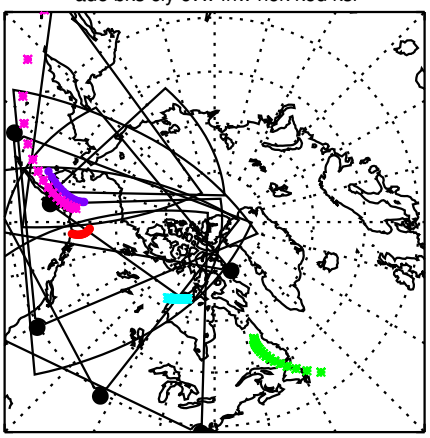


hal san

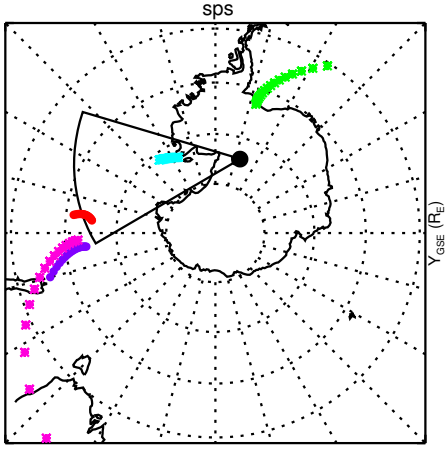


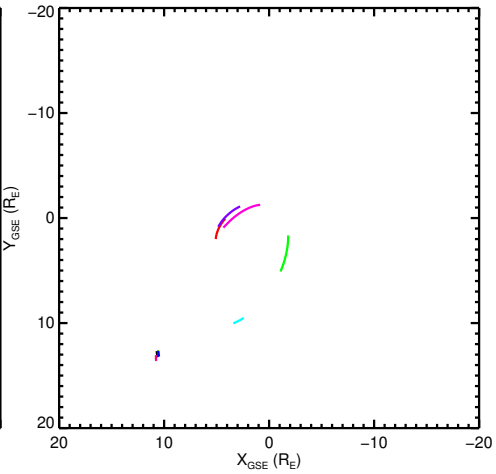


(d) 2225UT to 2355UT
ade bks cly cvw fhw hok kod ksr



sps

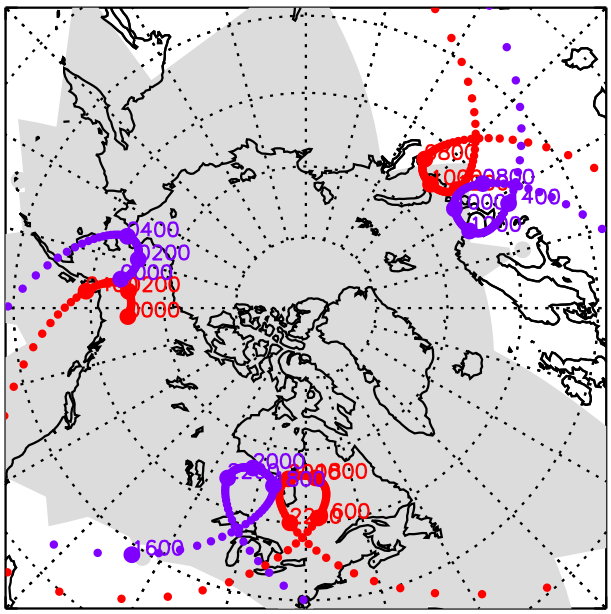


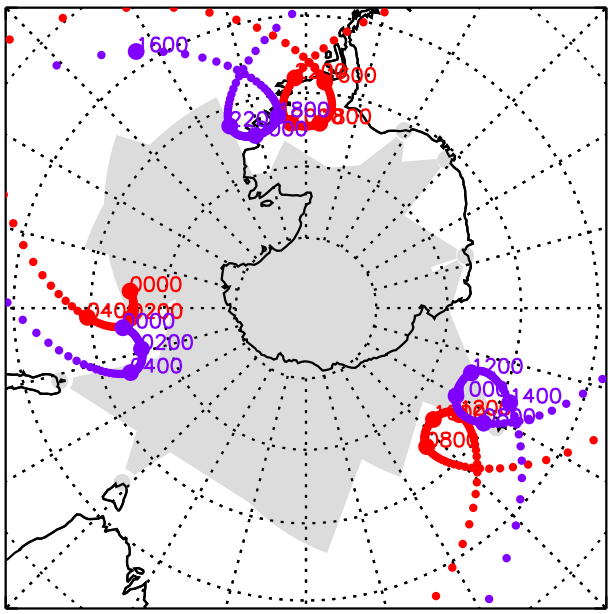


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

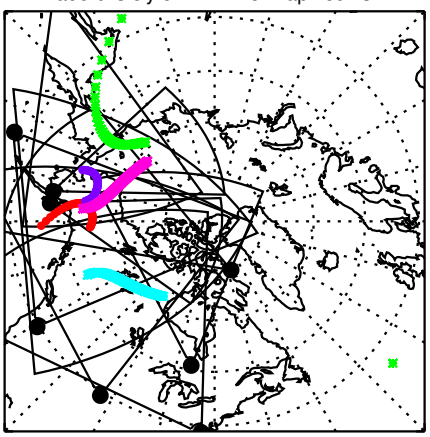
03–Jan–2014

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

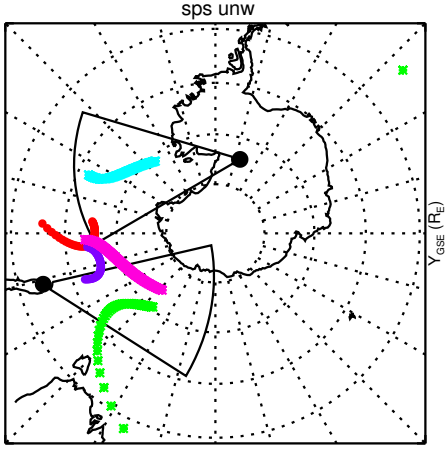


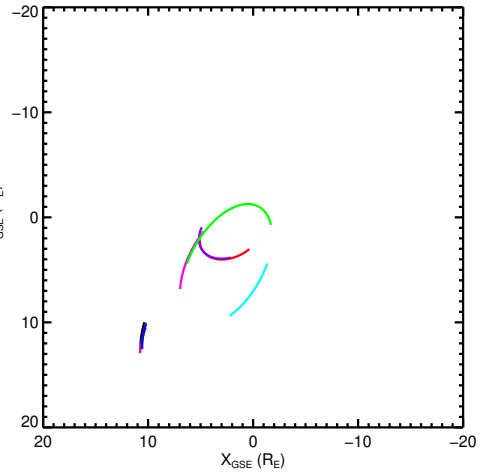


(a) 0000UT to 0425UT
ade bks cly cvw fhw hok kap kod ksr

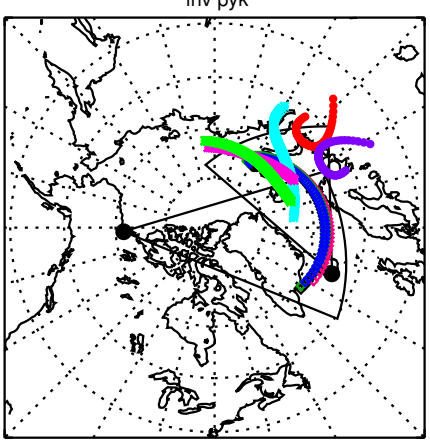


sps unw

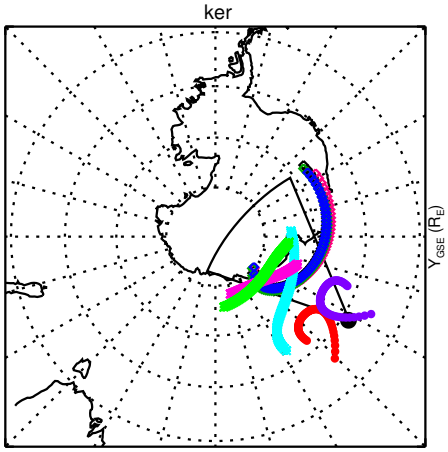


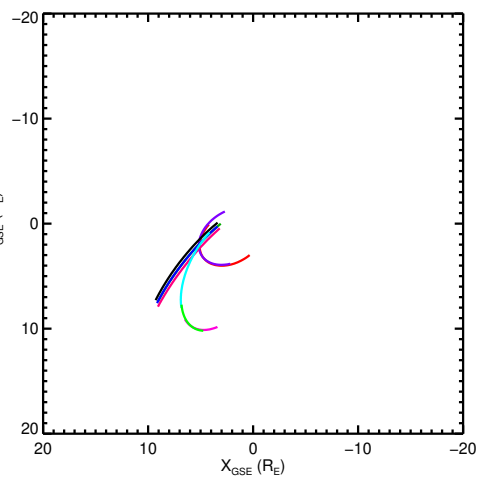


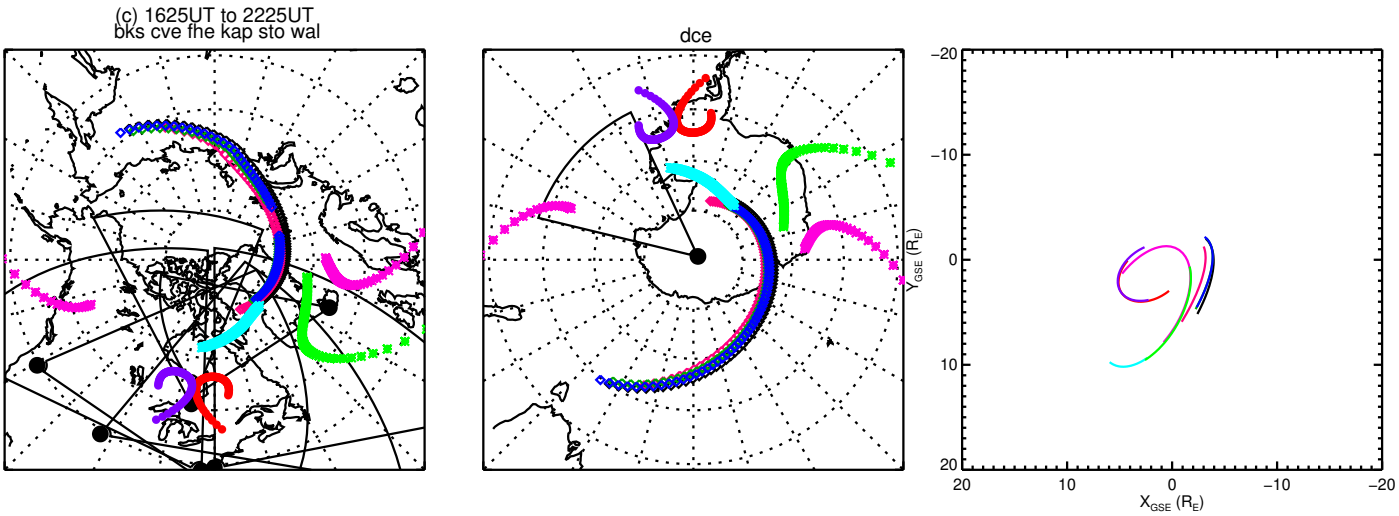
(b) 0725UT to 1325UT
inv pyk



ker



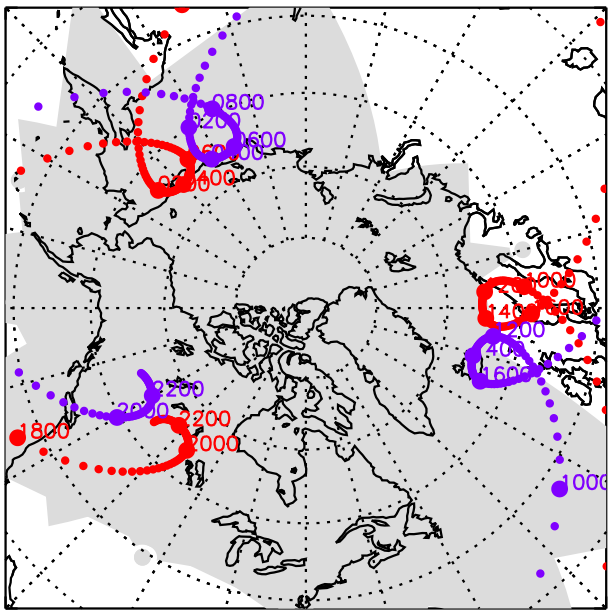


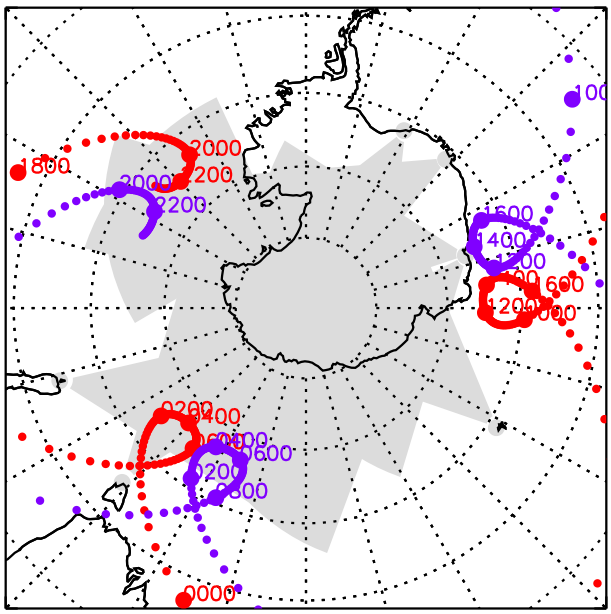

(c) 1625UT to 2225UT
bks cve fhe kap sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

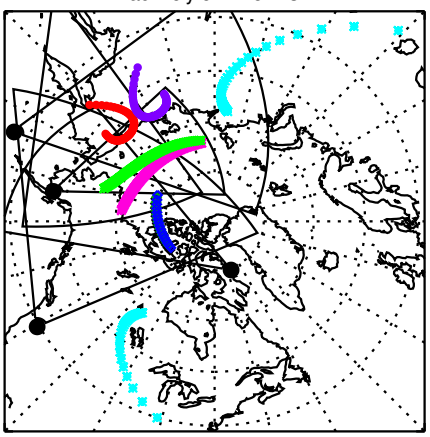
04–Jan–2014

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

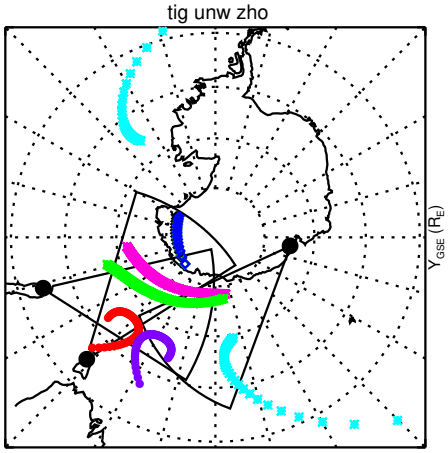


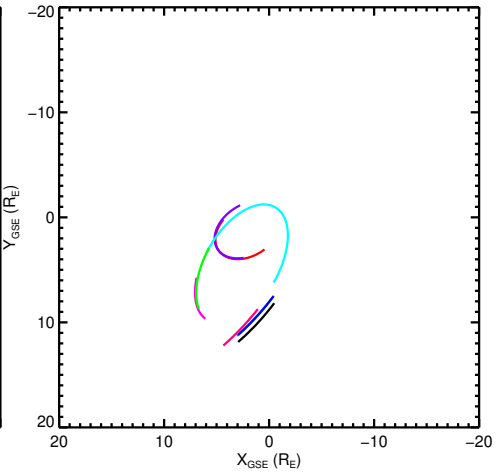


(a) 0130UT to 0720UT
adw cly cvw hok ksr

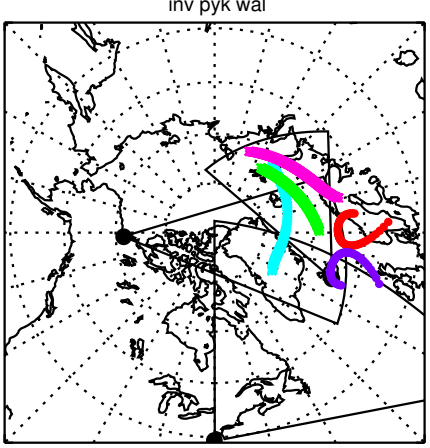


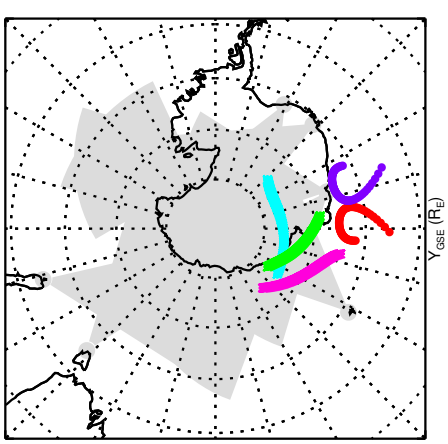
tig unw zho

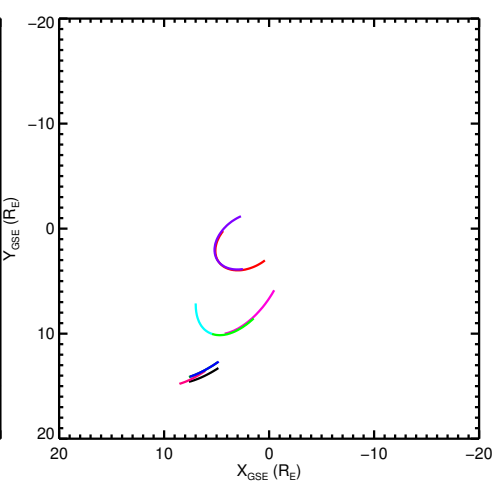


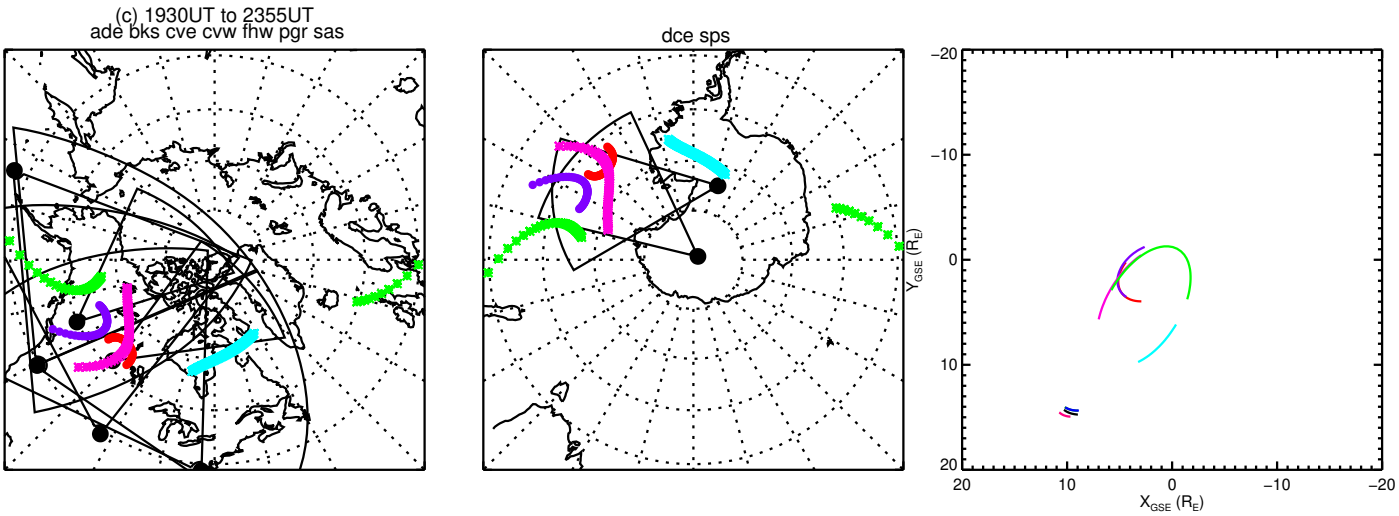


(b) 1030UT to 1620UT
inv pyk wal





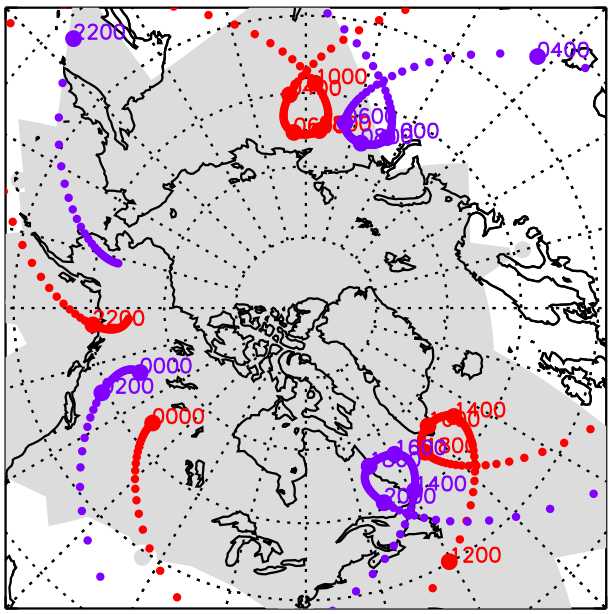


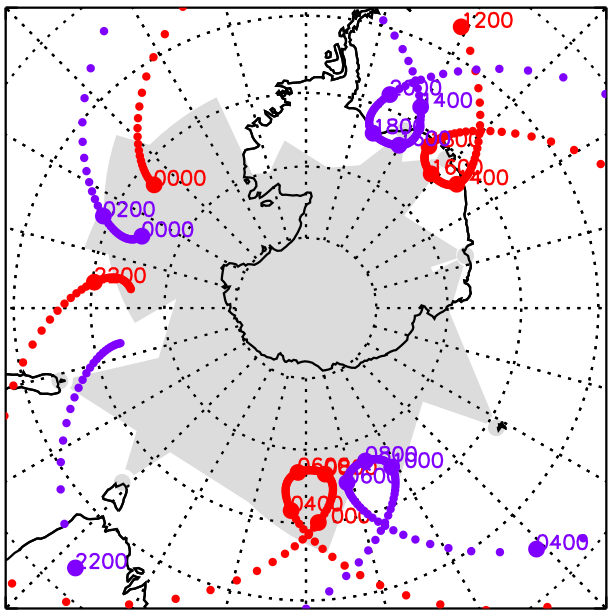

(c) 1930UT to 2355UT
ade bks cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

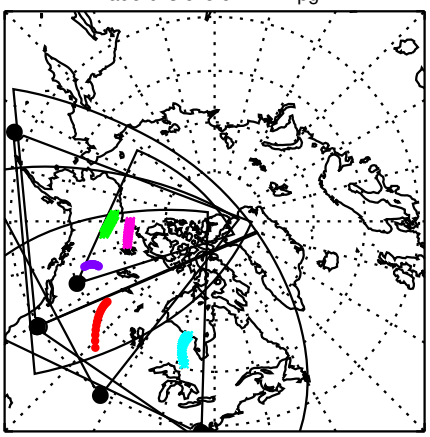
05–Jan–2014

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

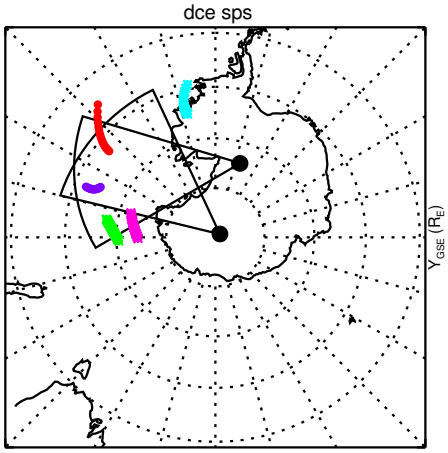


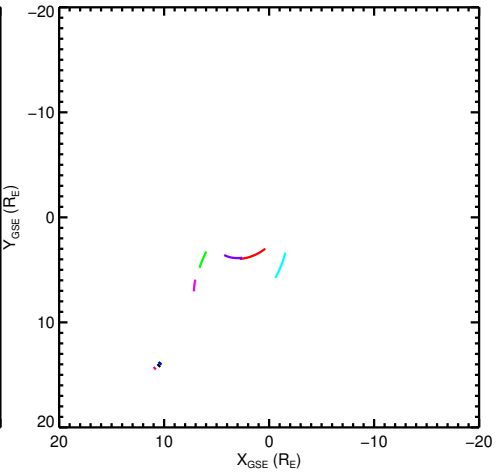


(a) 0000UT to 0120UT
ade bks cve cvw fhw pgr

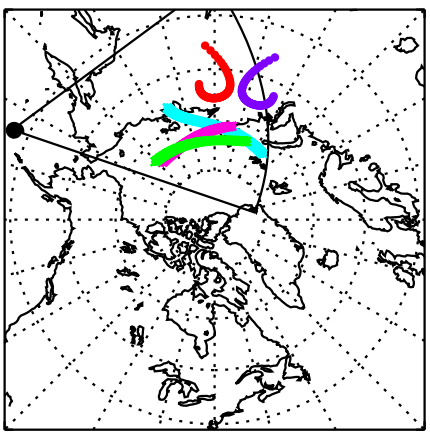


dce sps

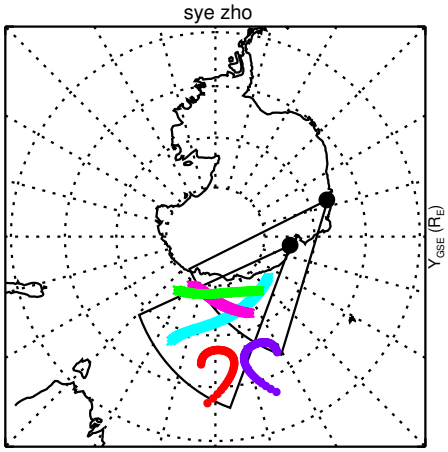


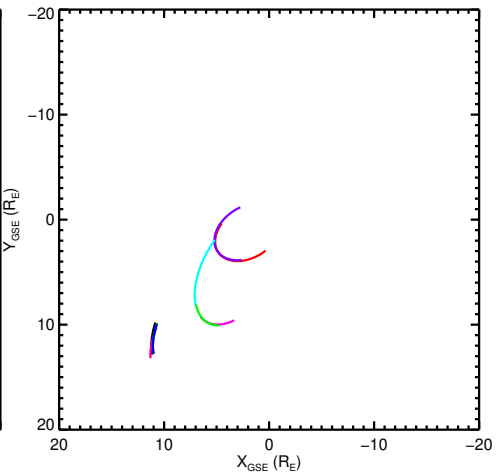


(b) 0435UT to 1020UT
adw

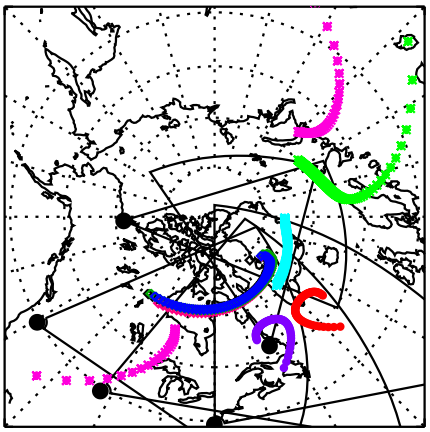


sye zho

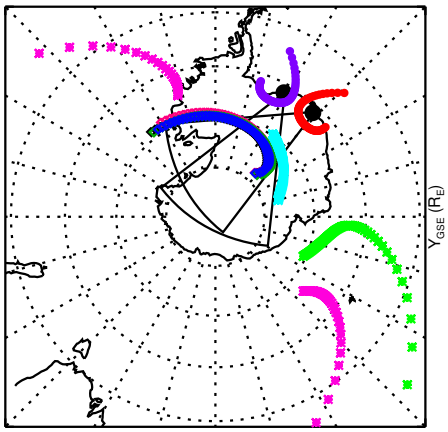


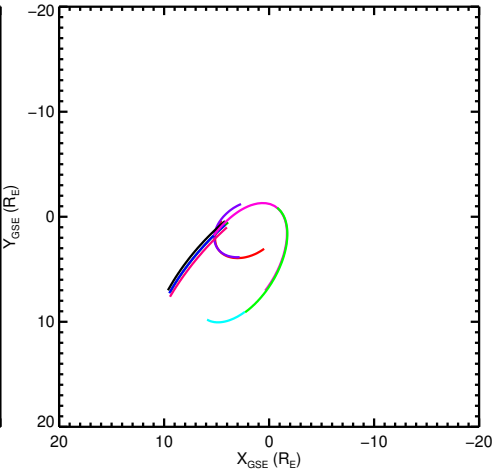


(c) 1335UT to 1915UT
cve fhe gbr inv wal

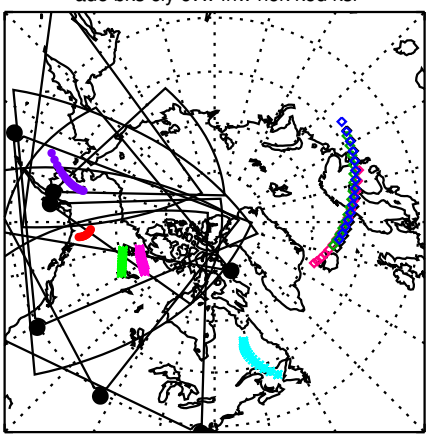


hal san

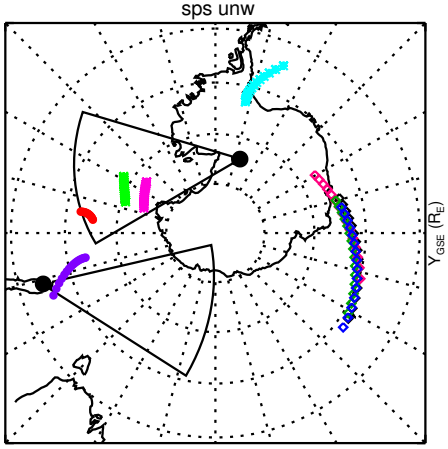


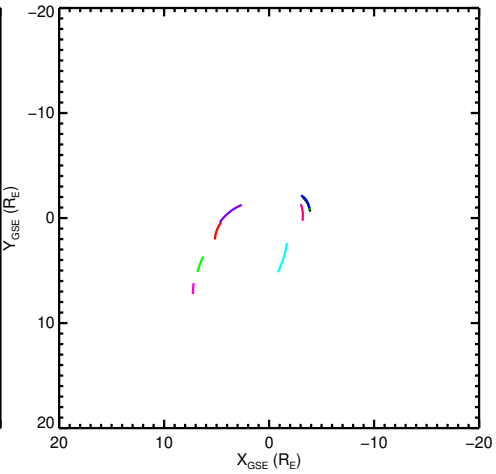


(d) 2235UT to 2355UT
ade bks cly cvw fhw hok kod ksr



sps unw

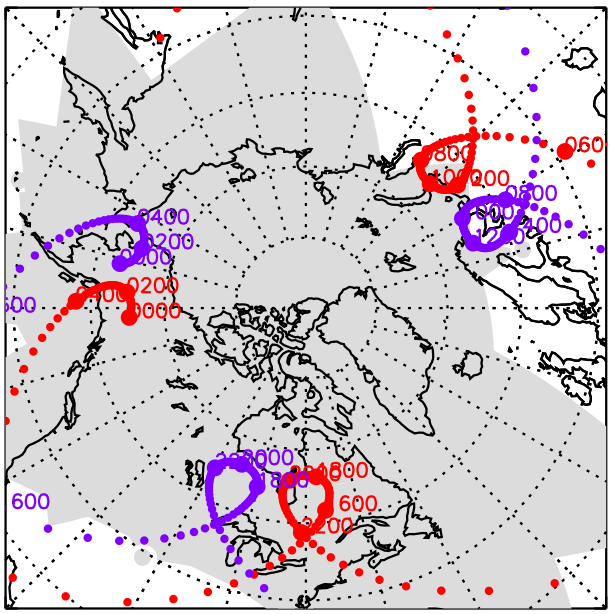


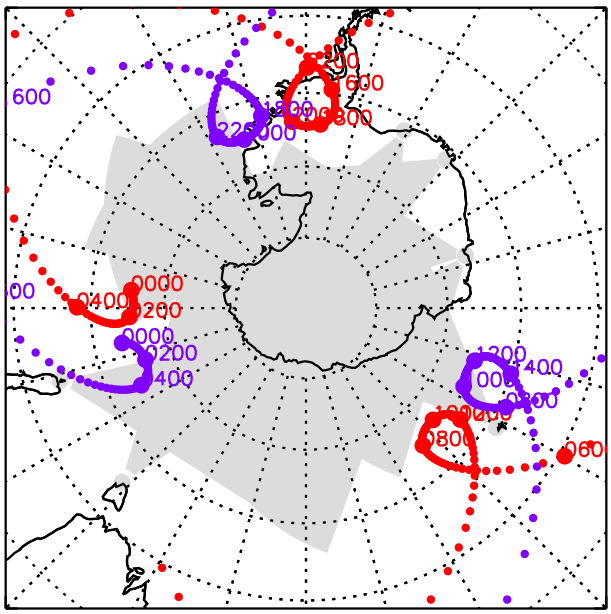


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

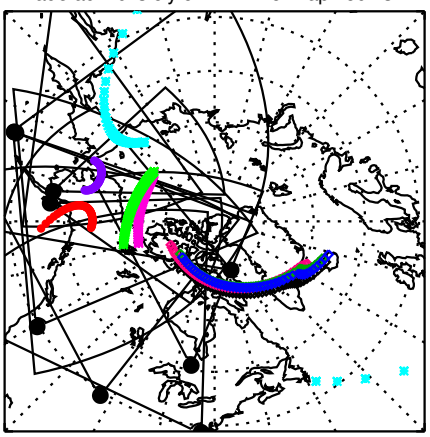
06–Jan–2014

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

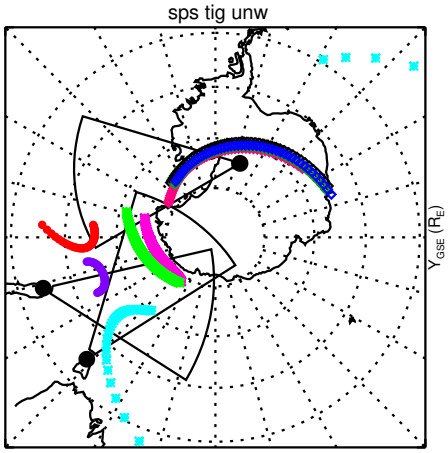


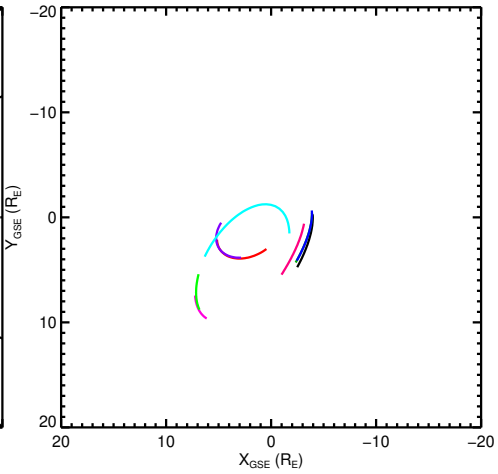


(a) 0000UT to 0415UT
ade adw bks cly cvw fhw hok kap kod ksr

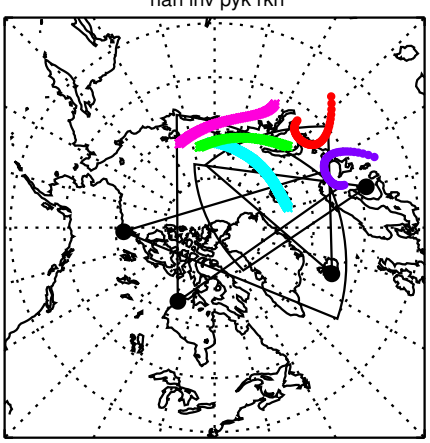


sps tig unw





(b) 0740UT to 1315UT
han inv pyk rkn



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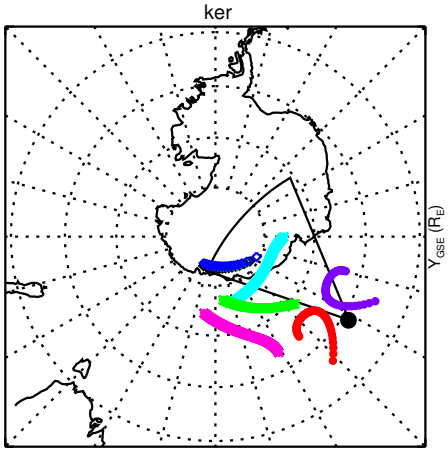
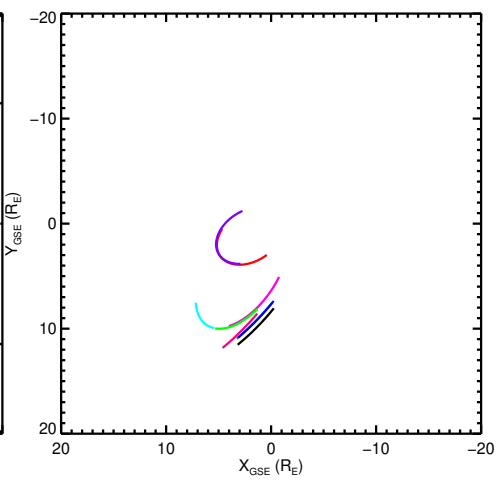
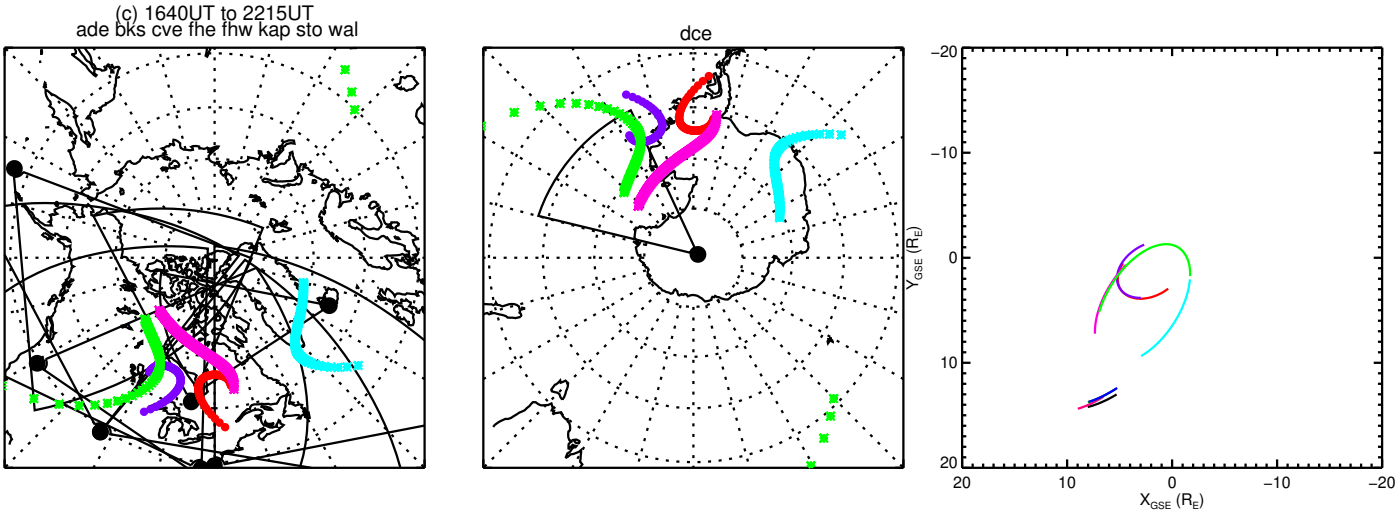


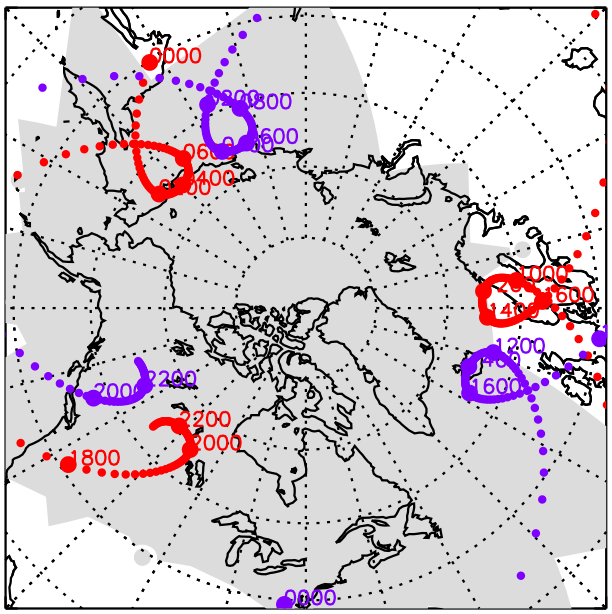


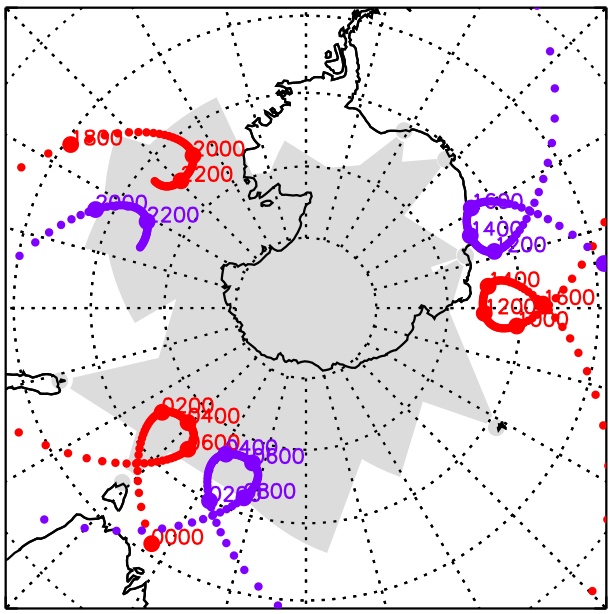

(c) 1640UT to 2215UT
ade bks cve fhe fhw kap sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

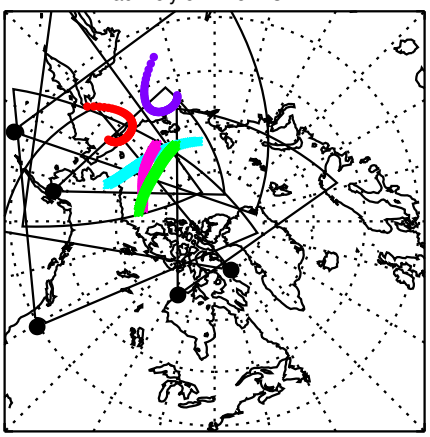
07–Jan–2014

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

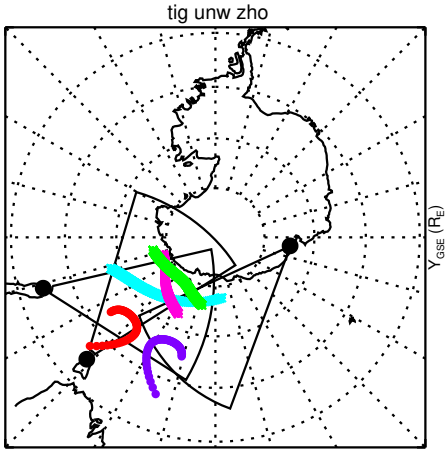


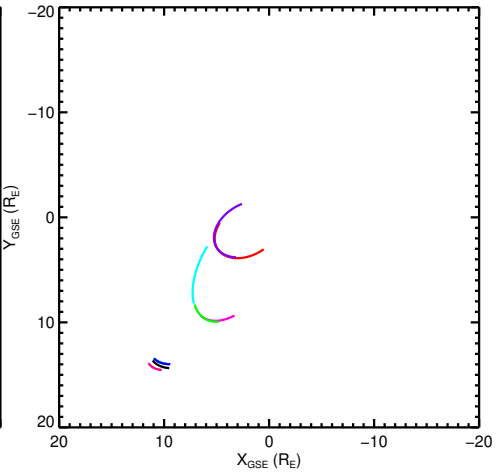


(a) 0140UT to 0710UT
adw cly cvw hok ksr rkn

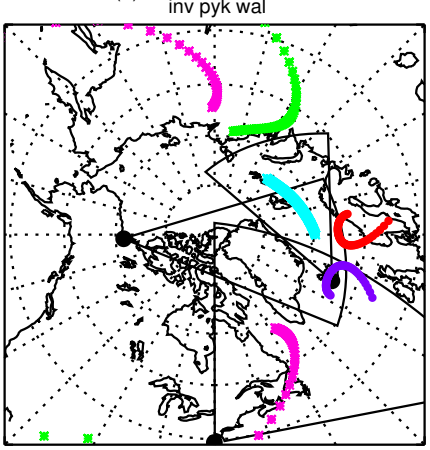


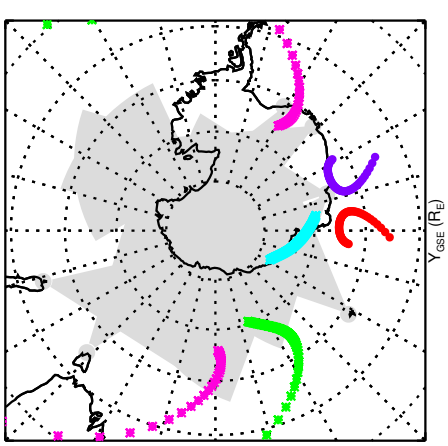
tig unw zho

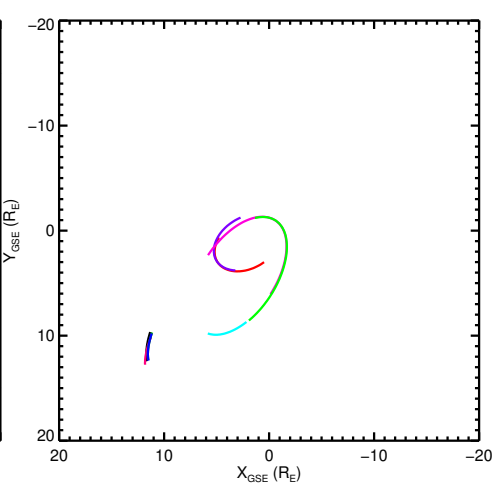


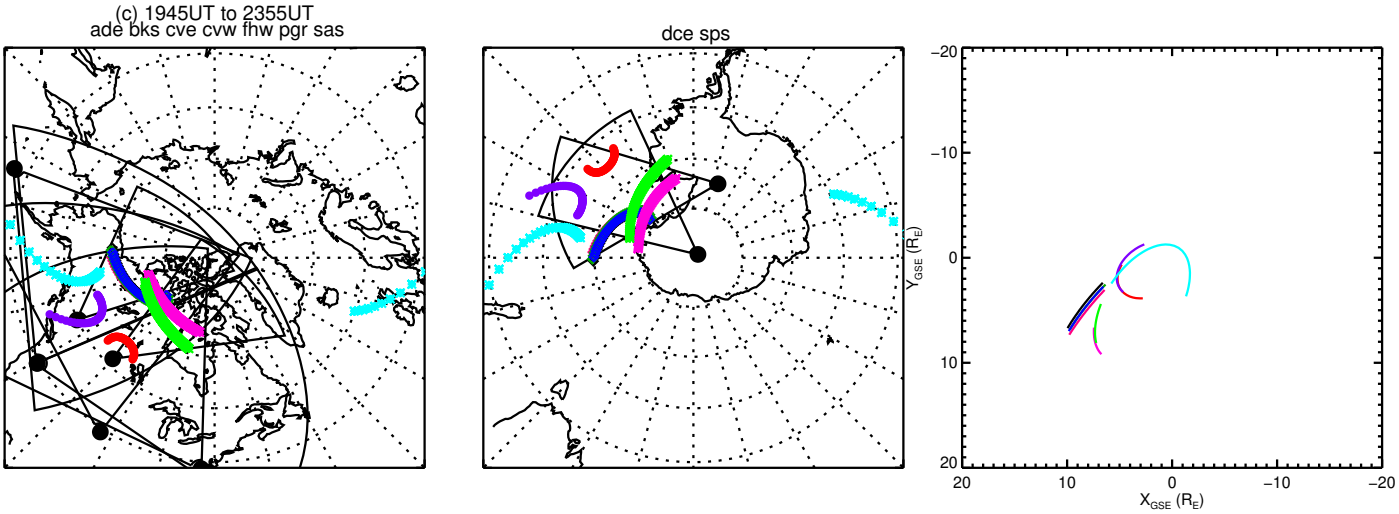


(b) 1045UT to 1610UT
inv pyk wal





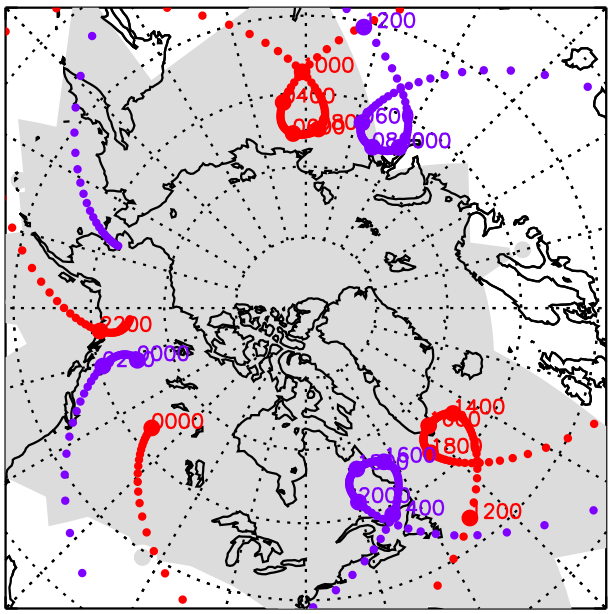


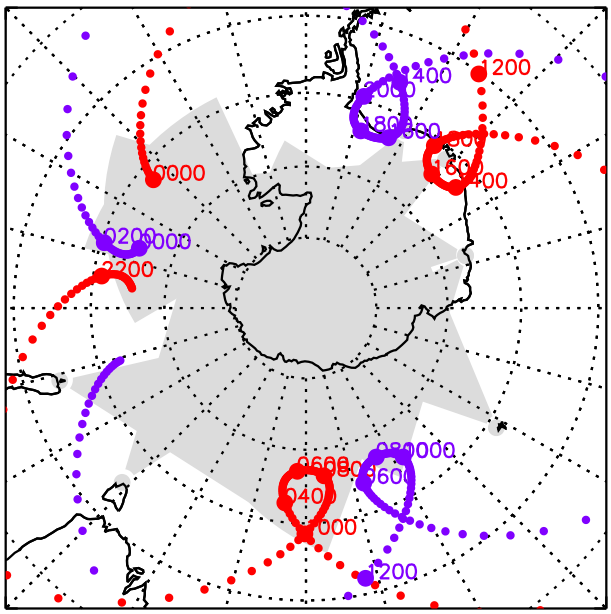

(c) 1945UT to 2355UT
ade bks cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

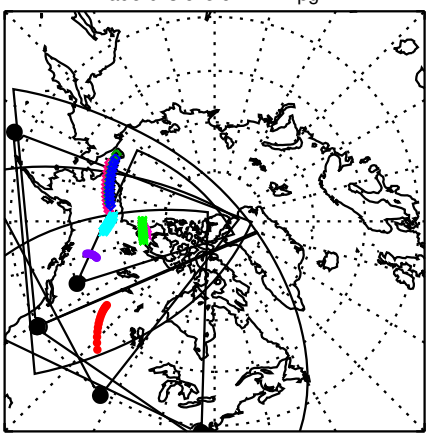
08–Jan–2014

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

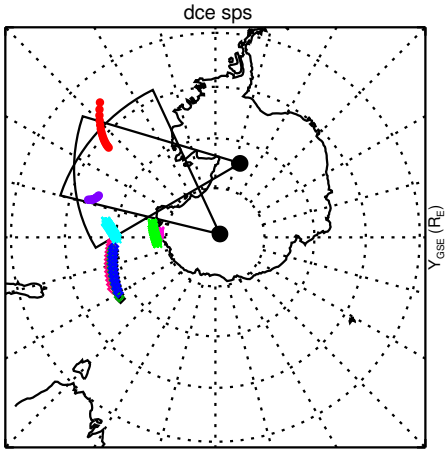


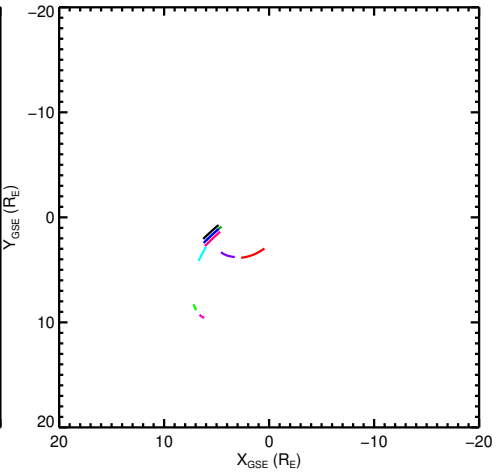


(a) 0000UT to 0110UT
ade bks cve cvw fhw pgr

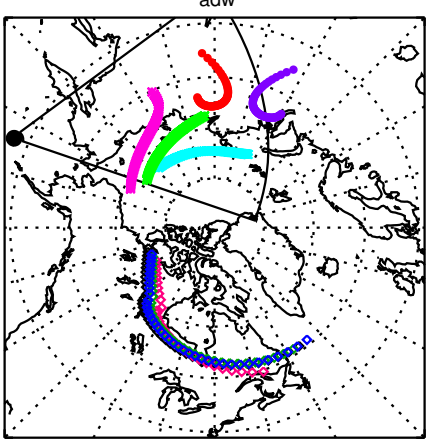


dce sps

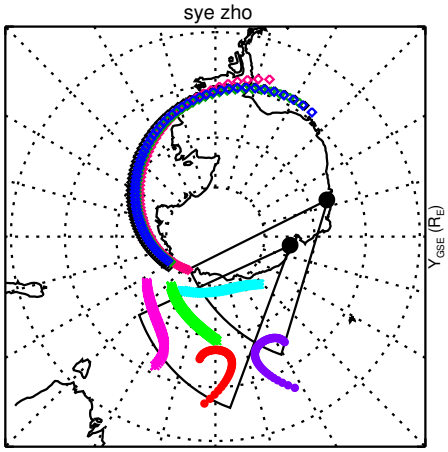


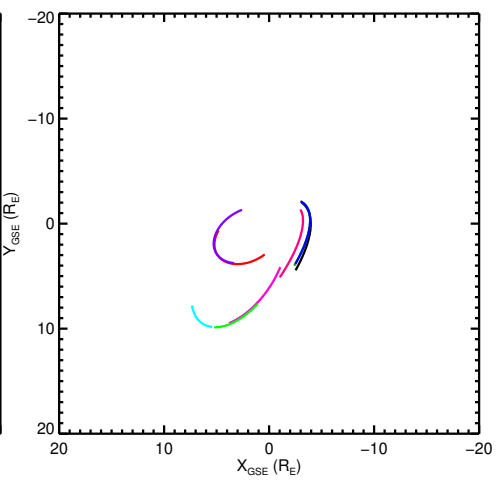


(b) 0445UT to 1010UT
adw

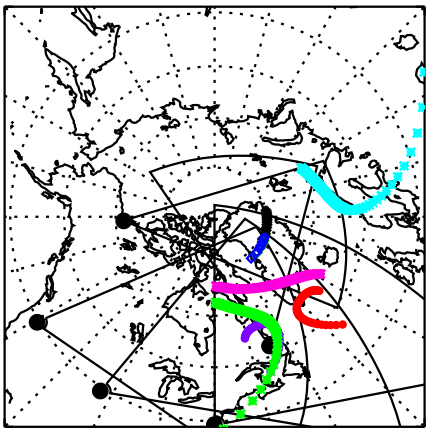


sye zho

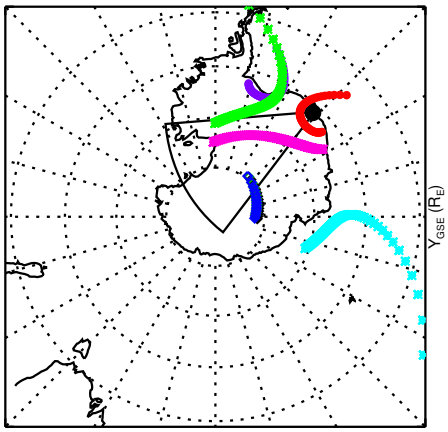


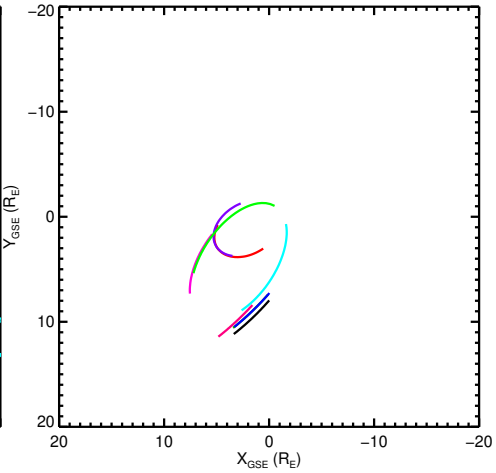


(c) 1350UT to 1905UT
cve fhe gbr inv wal

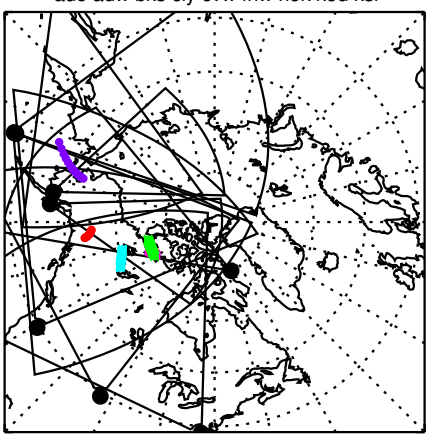


san

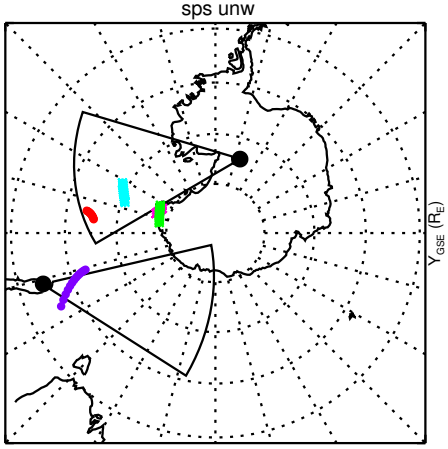


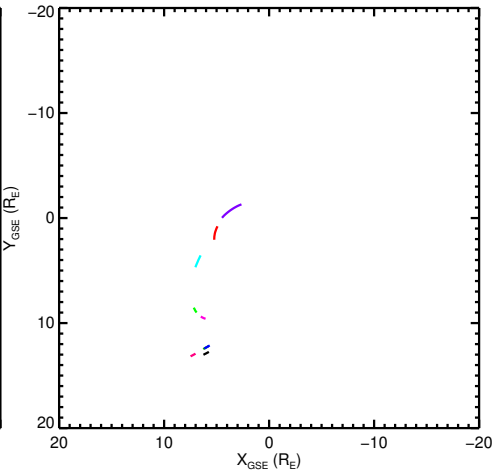


(d) 2250UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



sps unw

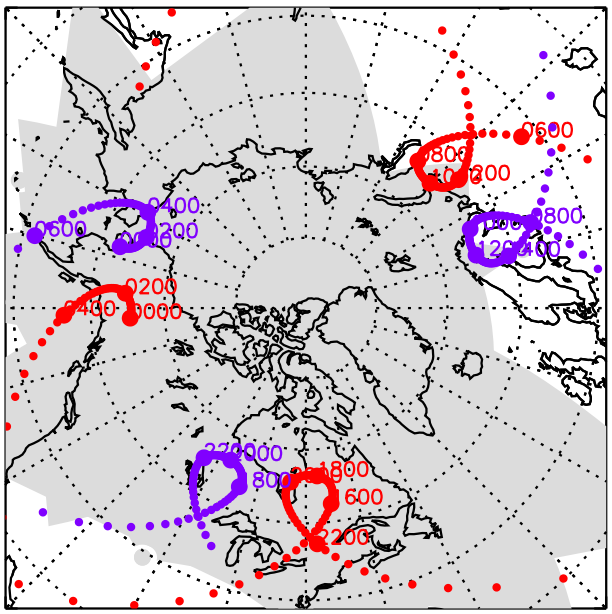


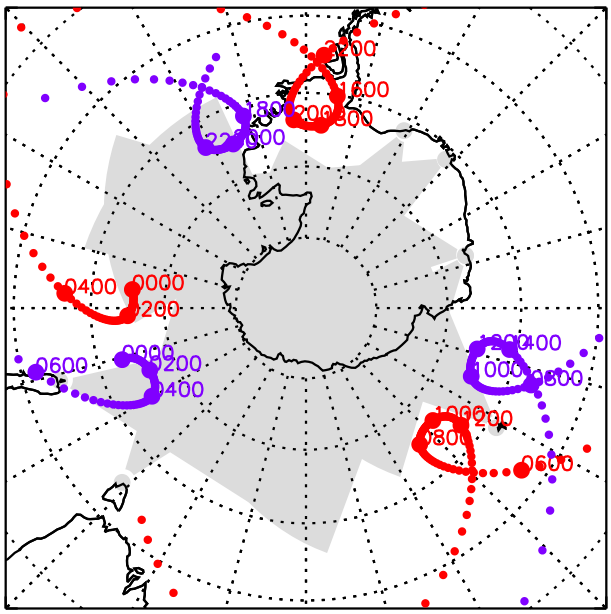


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

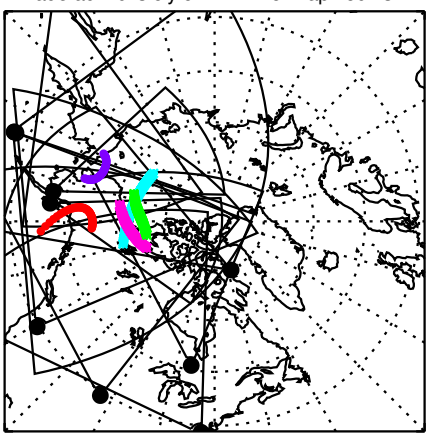
09–Jan–2014

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

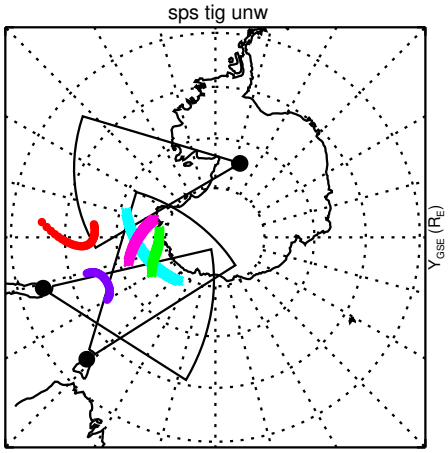


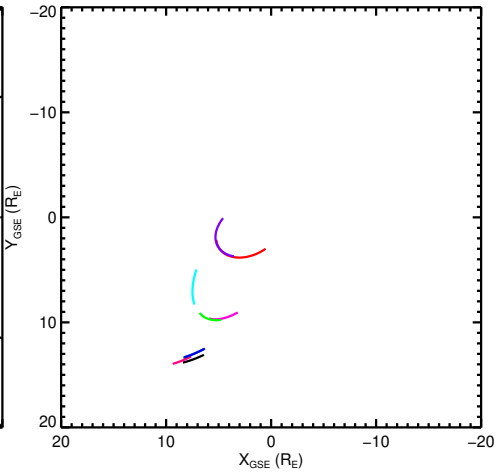


(a) 0000UT to 0405UT
ade adw bks cly cvw fhw hok kap kod ksr

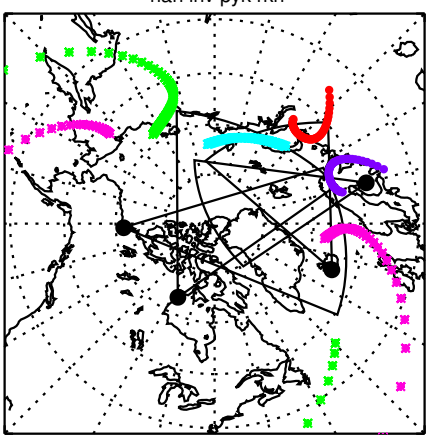


sps tig unw

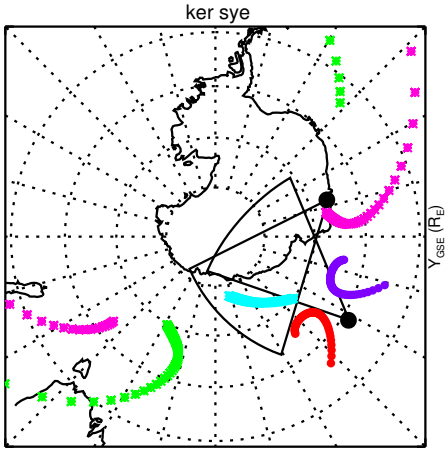


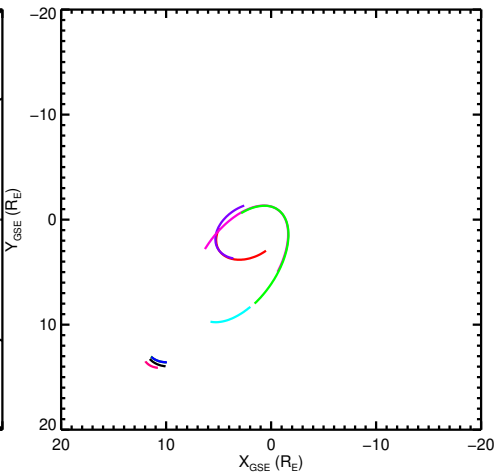


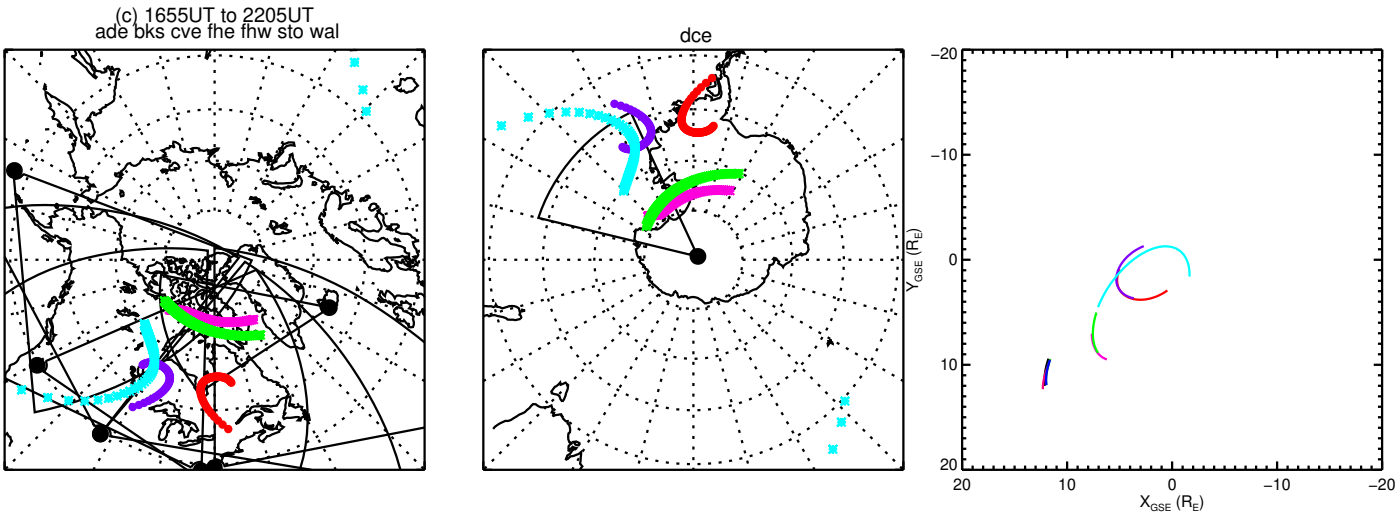
(b) 0750UT to 1305UT
han inv pyk rkn



ker sye



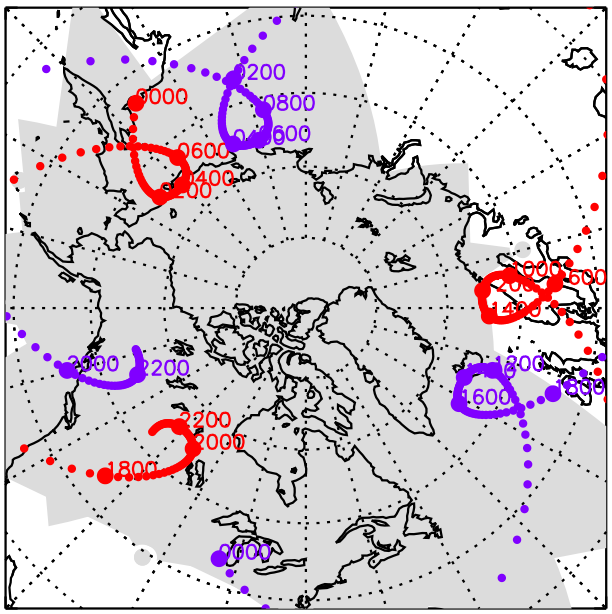


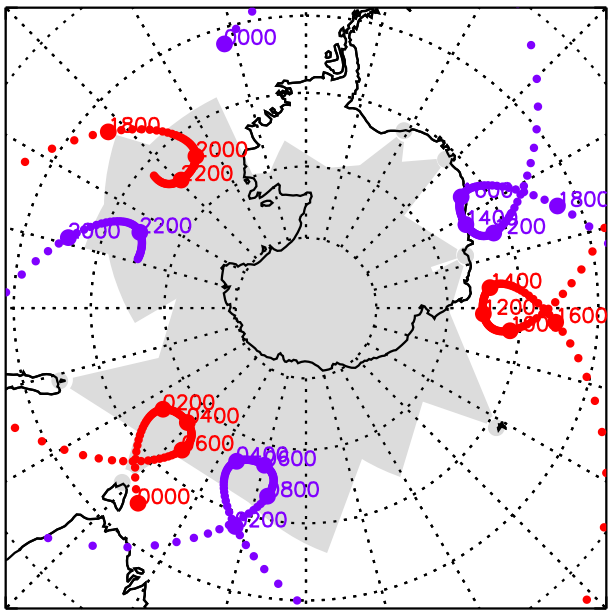

(c) 1655UT to 2205UT
ade bks cve fhe fhw sto wal
dce
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

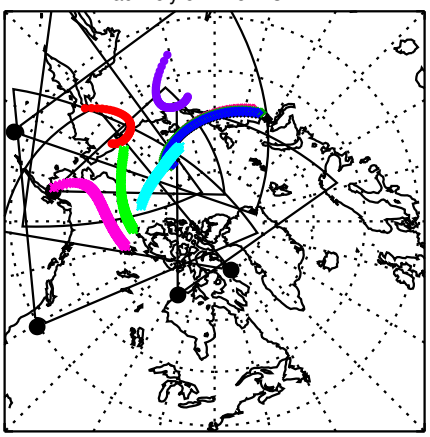
10–Jan–2014

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

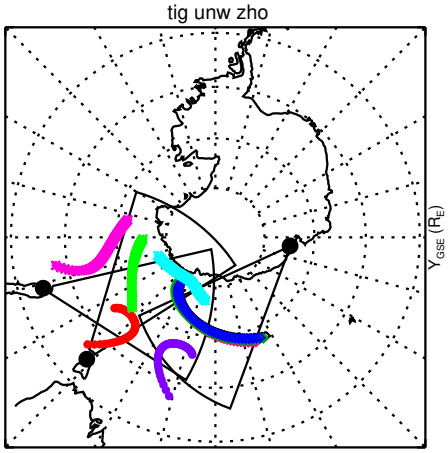


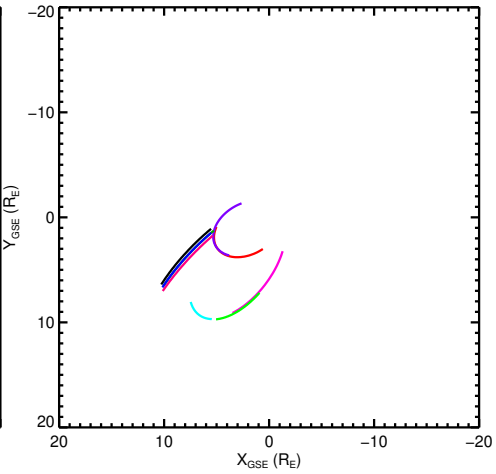


(a) 0155UT to 0700UT
adw cly cvw hok ksr rkn

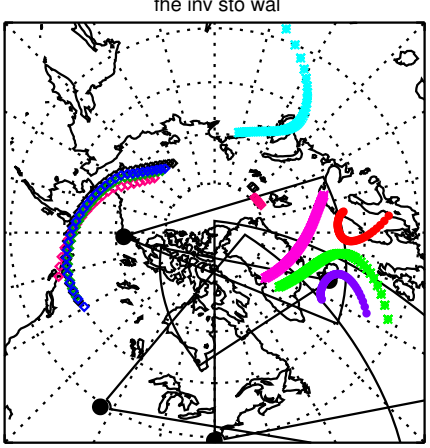


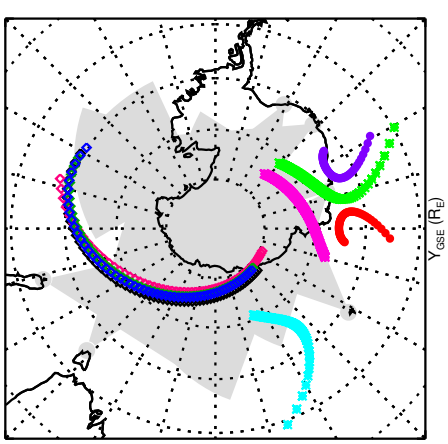
tig unw zho

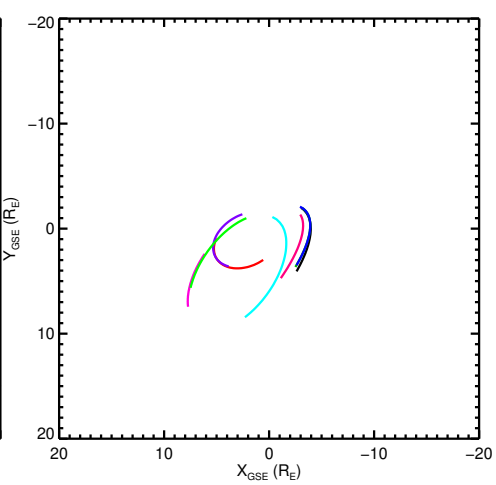


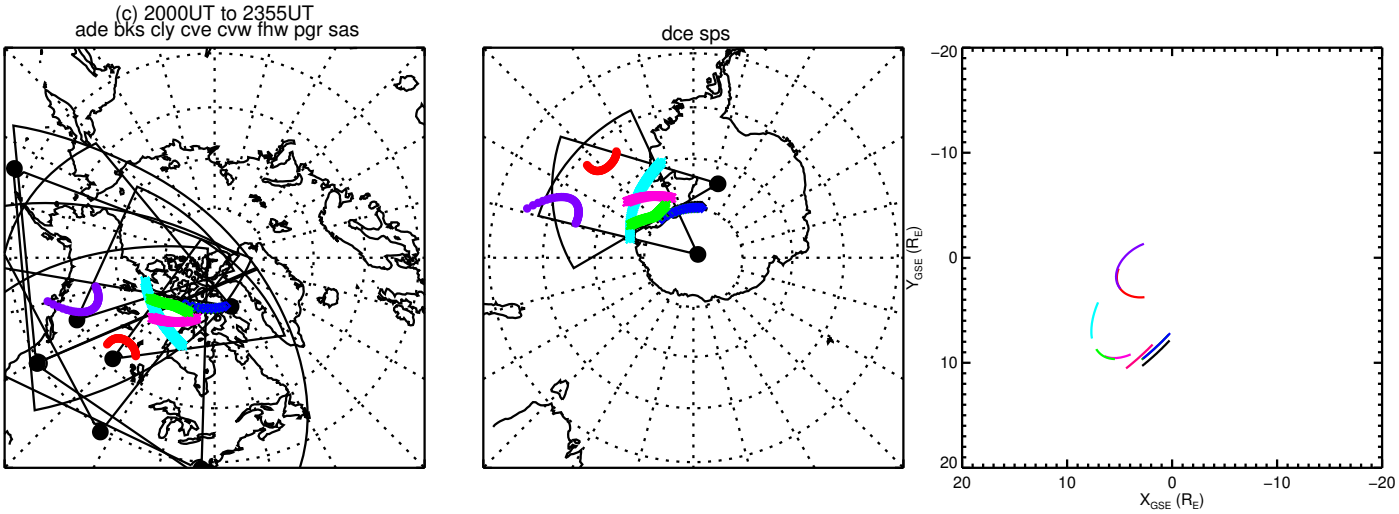


(b) 1055UT to 1600UT
fhe inv sto wal





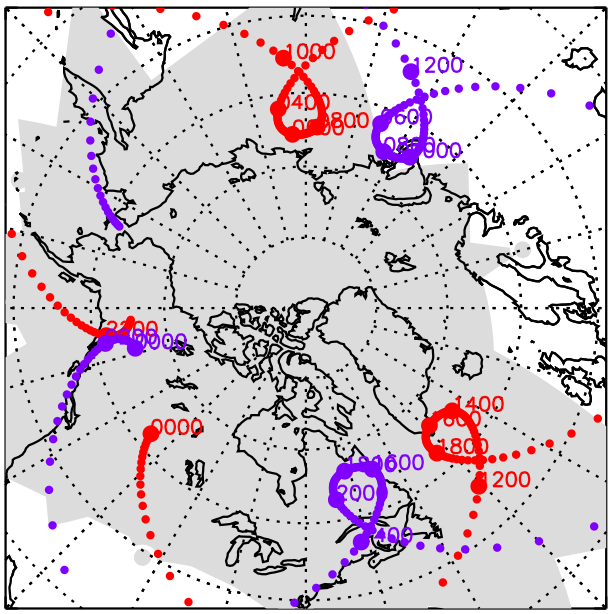


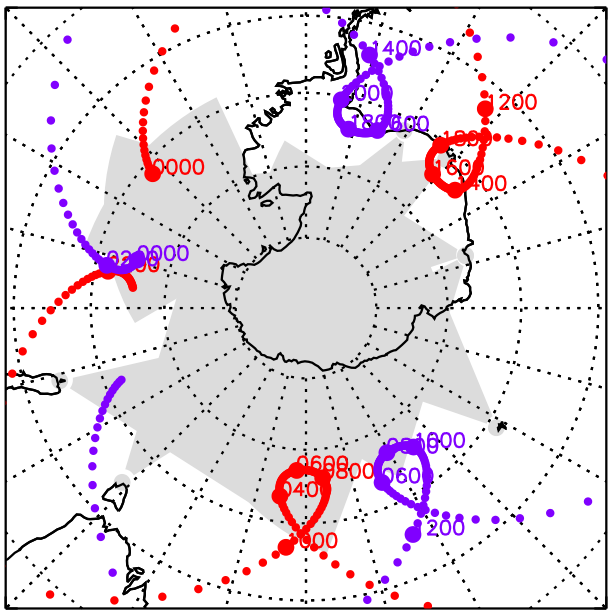

(c) 2000UT to 2355UT
ade bks cly cve cvw fhw pgr sas
dce sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

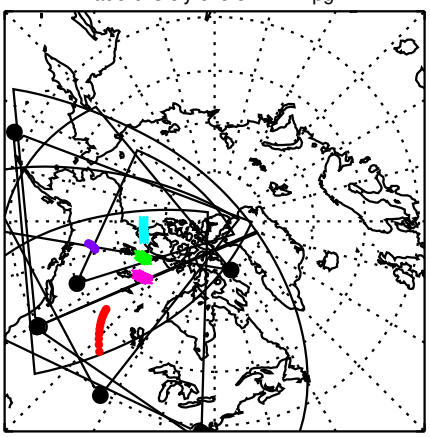
11–Jan–2014

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

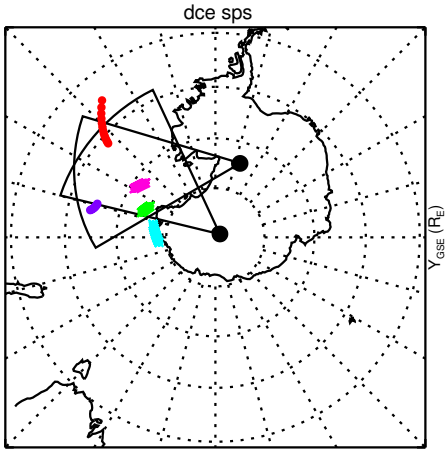


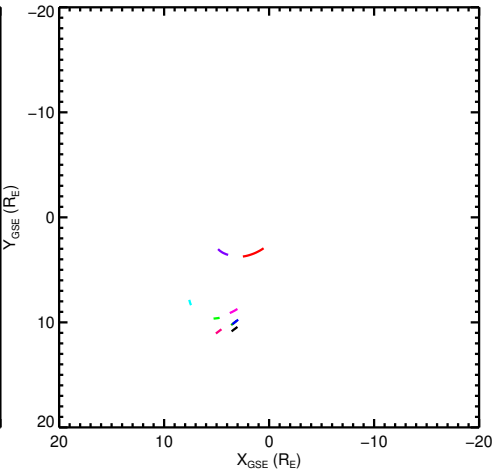


(a) 0000UT to 0100UT
ade bks cly cve cvw fhw pgr

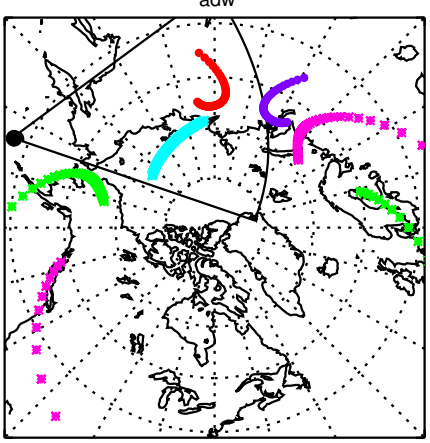


dce sps

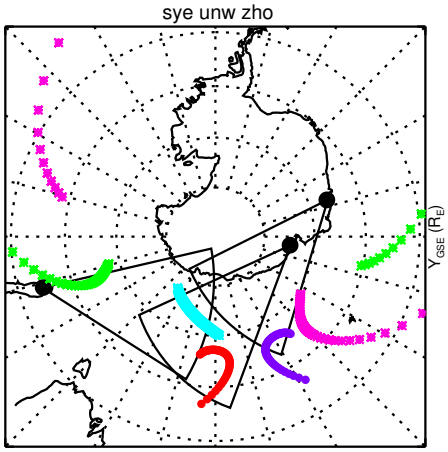


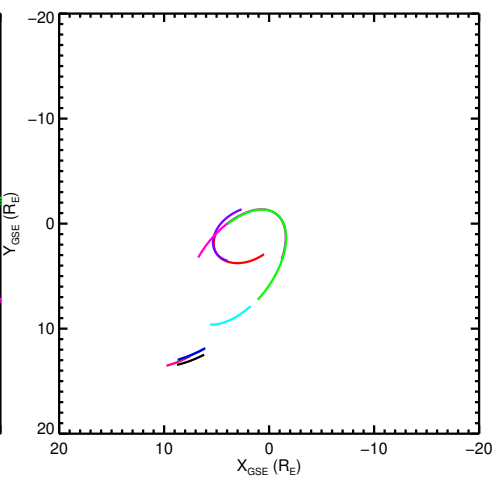


(b) 0500UT to 1000UT
adw

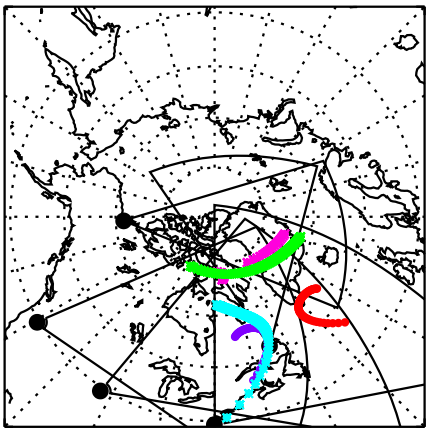


sye unw zho

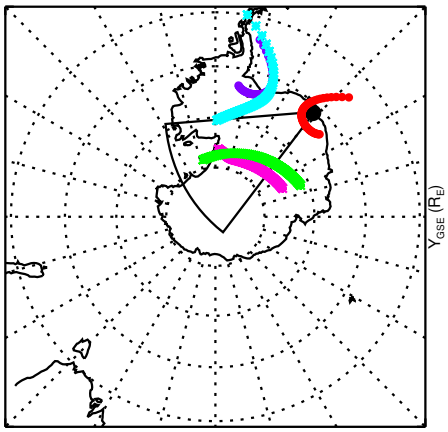


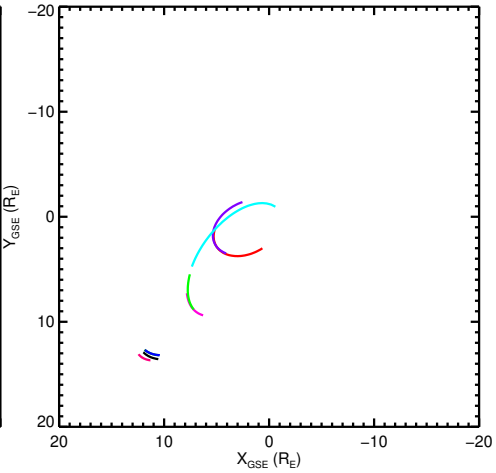


(c) 1400UT to 1855UT
cve fhe gbr inv wal

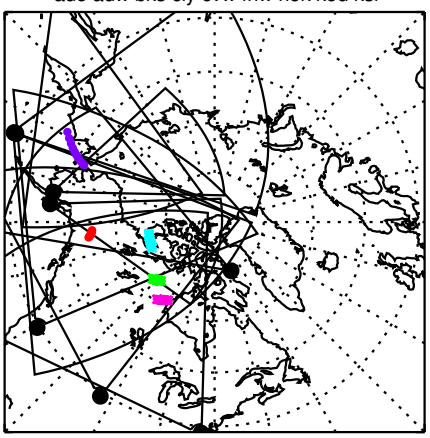


san

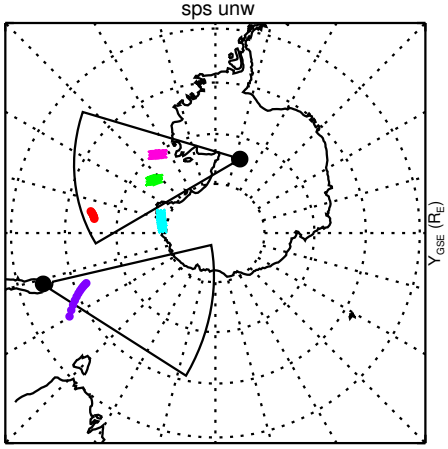


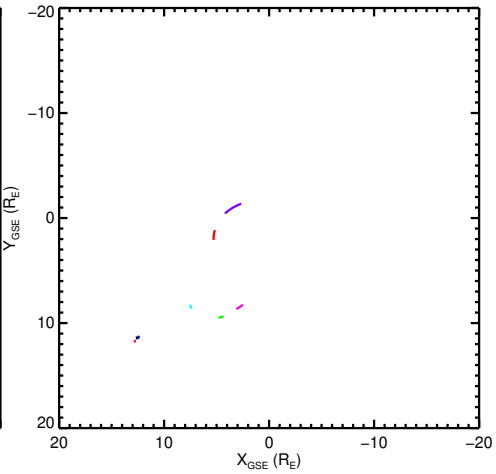


(d) 2305UT to 2355UT
ade adw bks cly cvw fhw hok kod ksr



sps unw

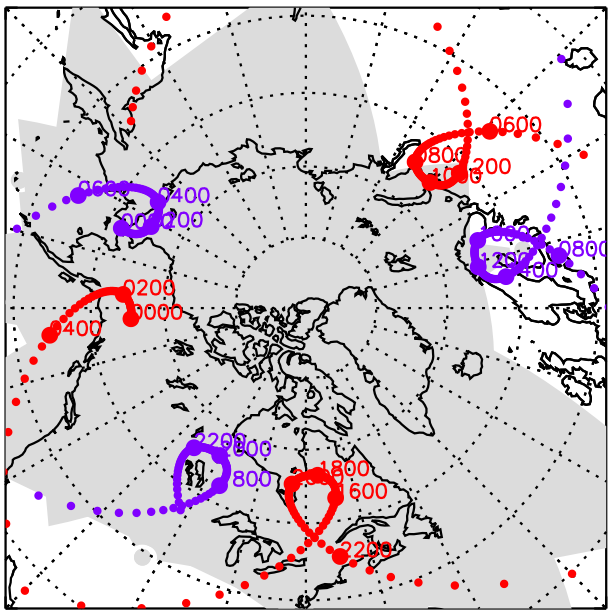


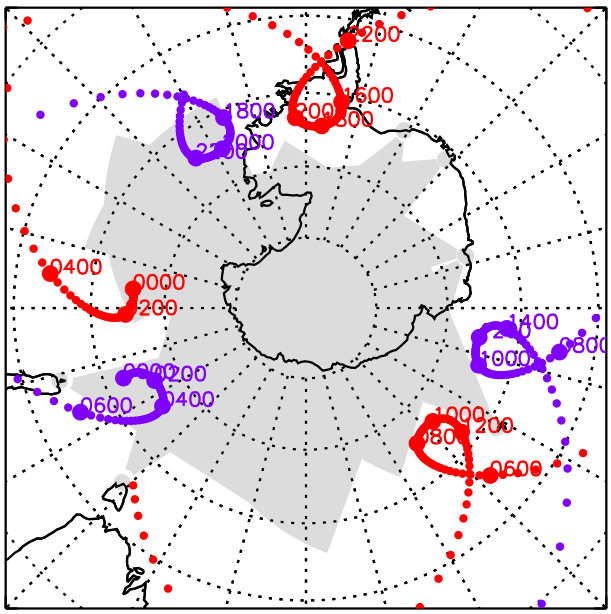


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

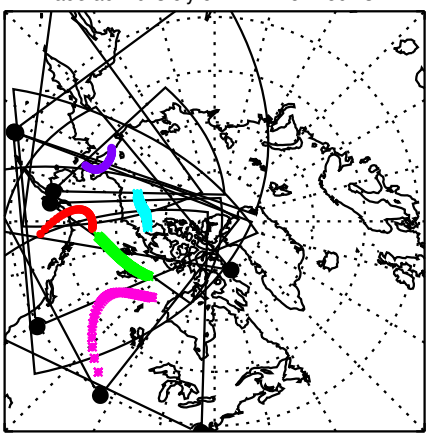
12–Jan–2014

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

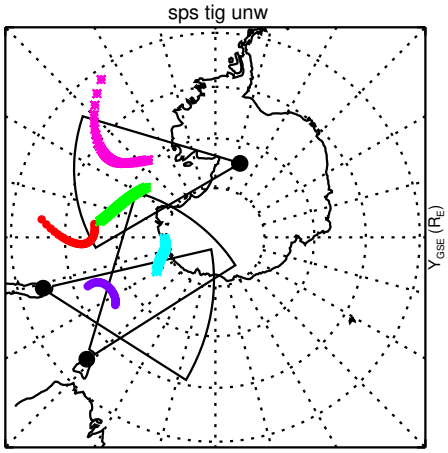


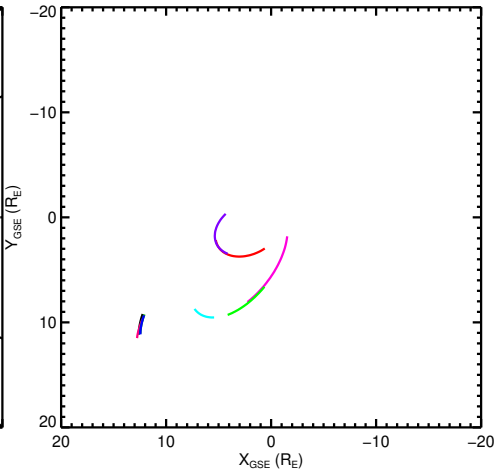


(a) 0000UT to 0355UT
ade adw bks cly cvw fhw hok kod ksr

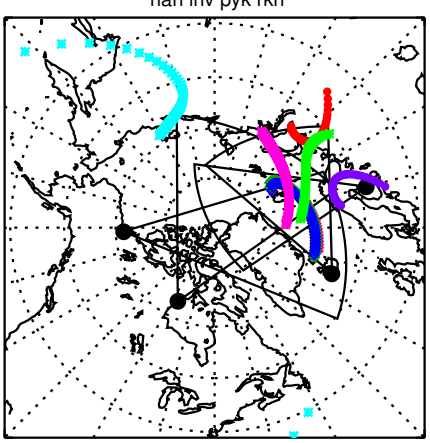


sps tig unw

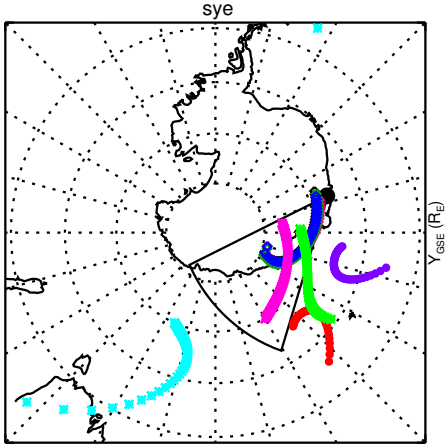


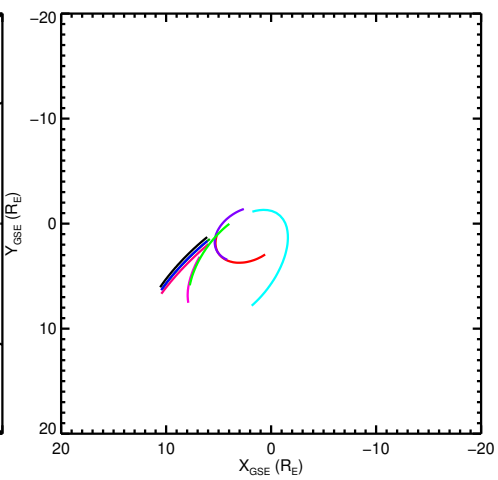


(b) 0805UT to 1255UT
han inv pyk rkn

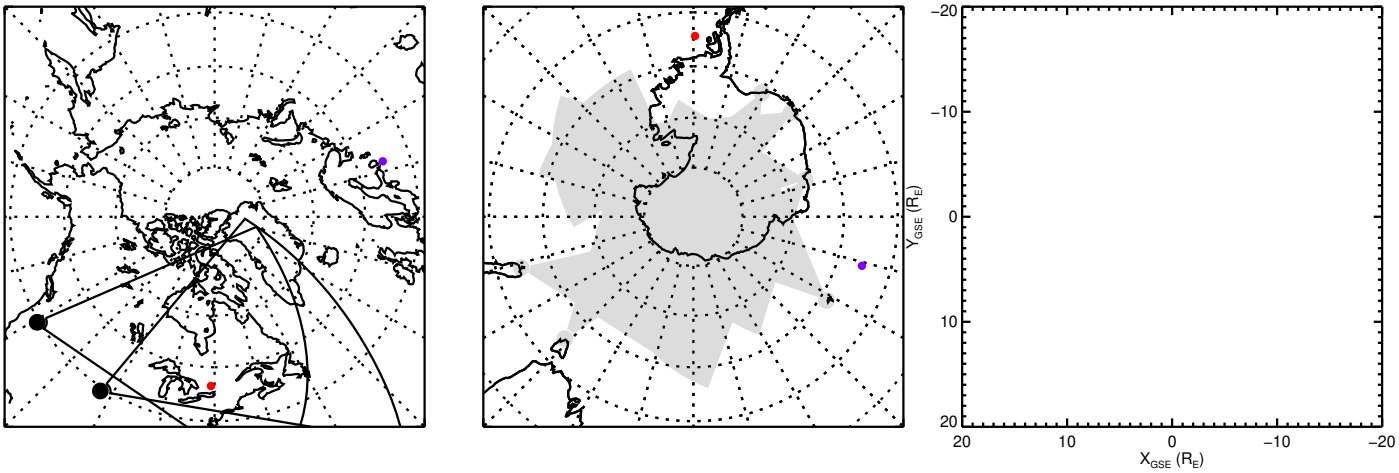


sye



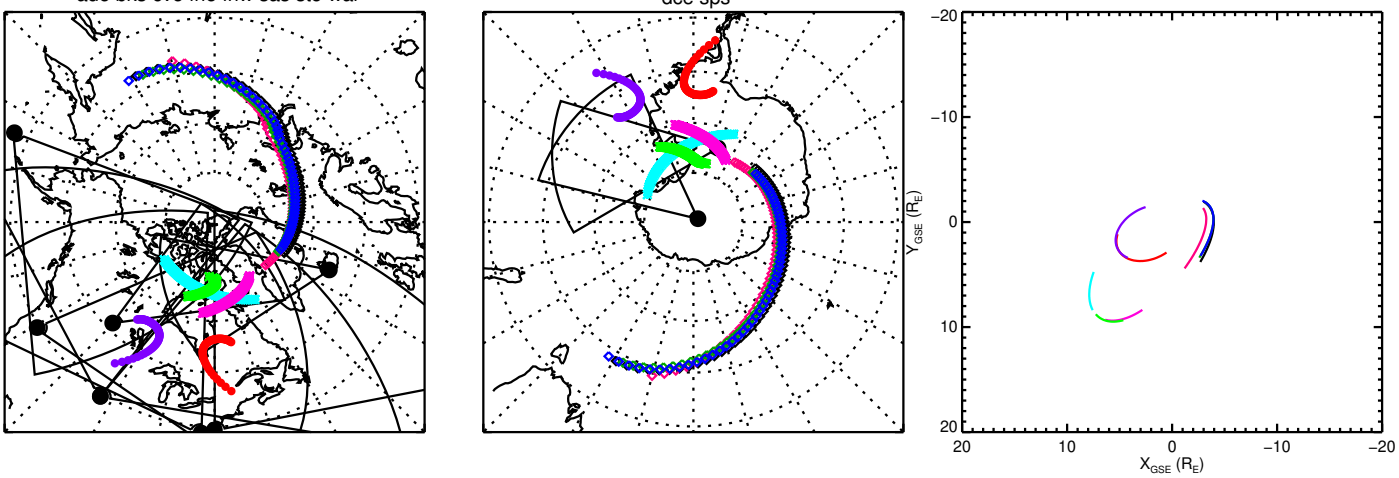


(c) 1500UT to 1500UT
cve fhe



(d) 1705UT to 2155UT
ade bks cve fhe fhw sas sto wal

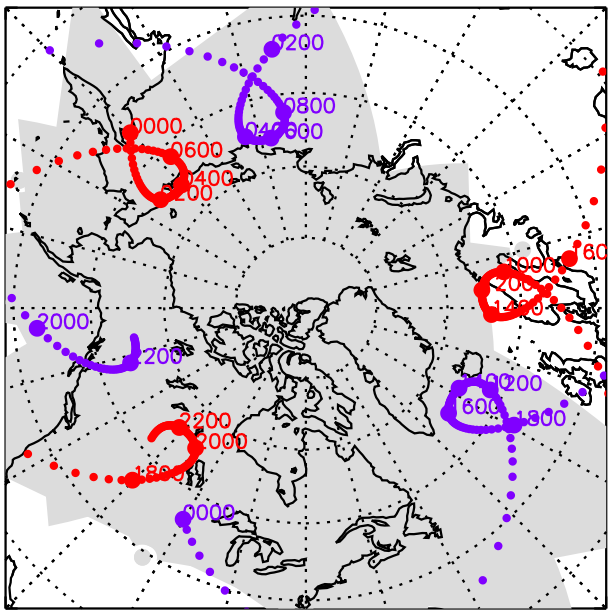
dce sps

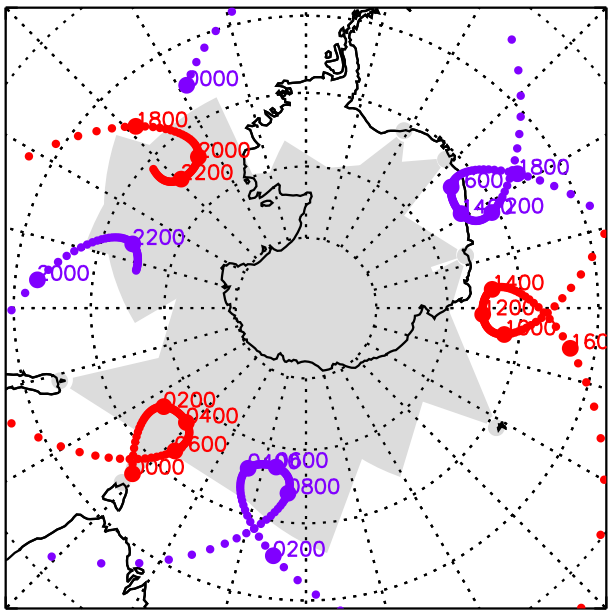


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

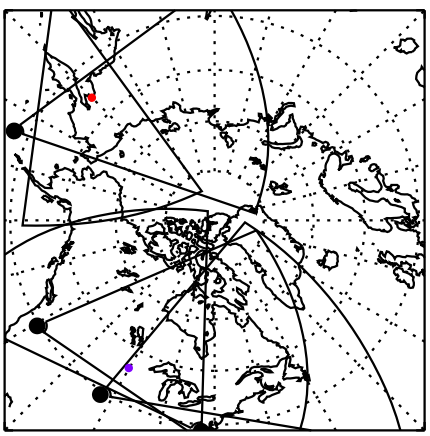
13–Jan–2014

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

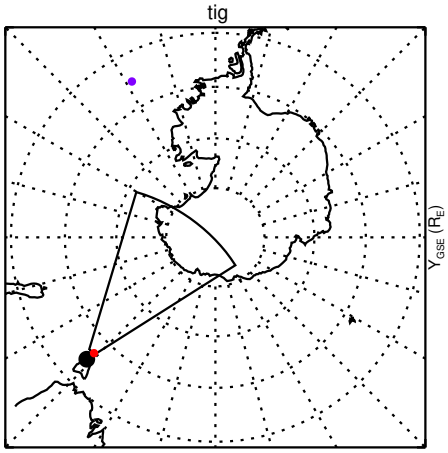


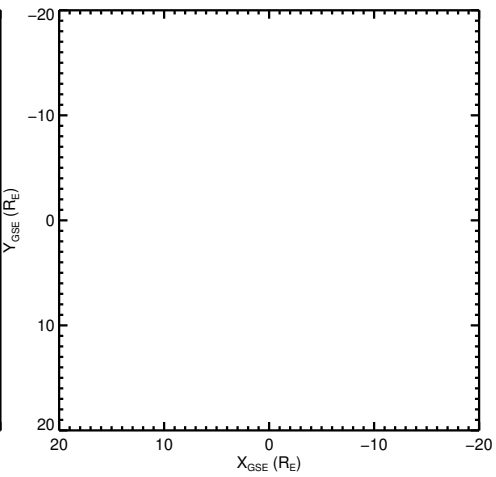


(a) 0000UT to 0000UT
adw bks cve fhe hok

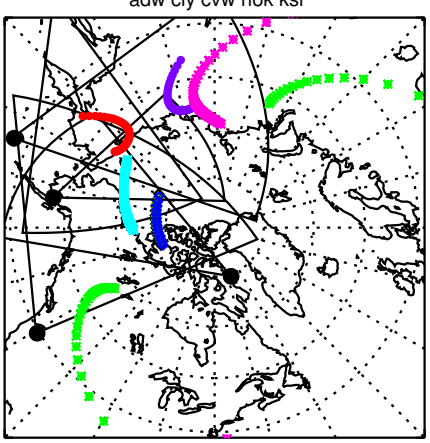


tig

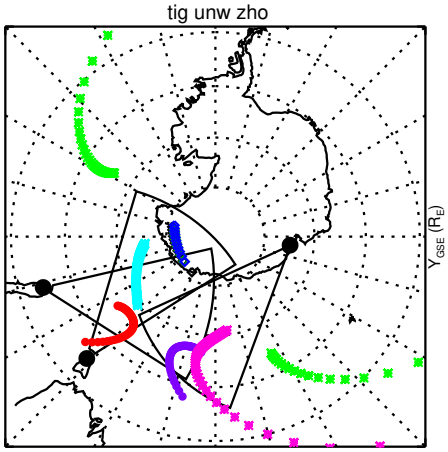


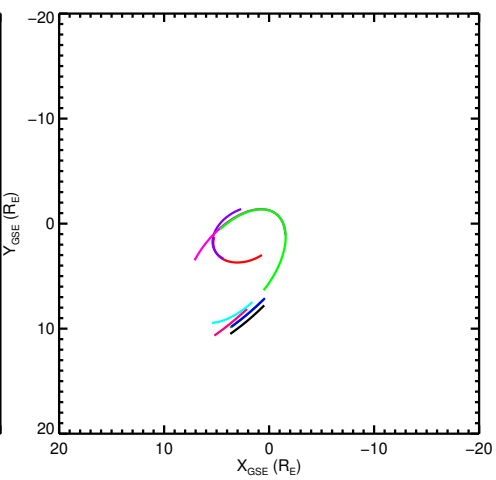


(b) 0210UT to 0650UT
adw cly cvw hok ksr

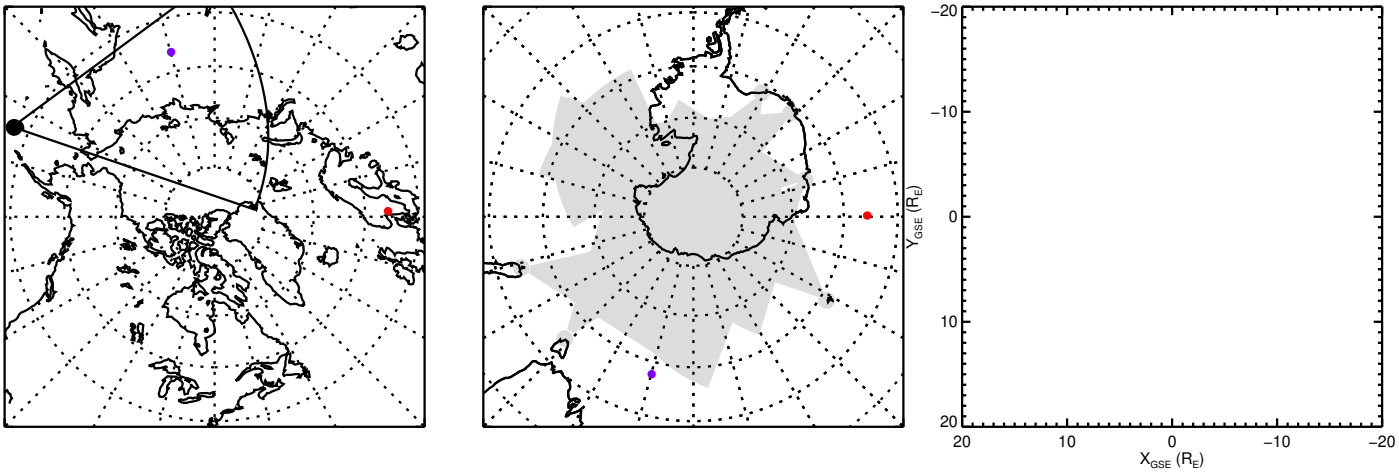


tig unw zho

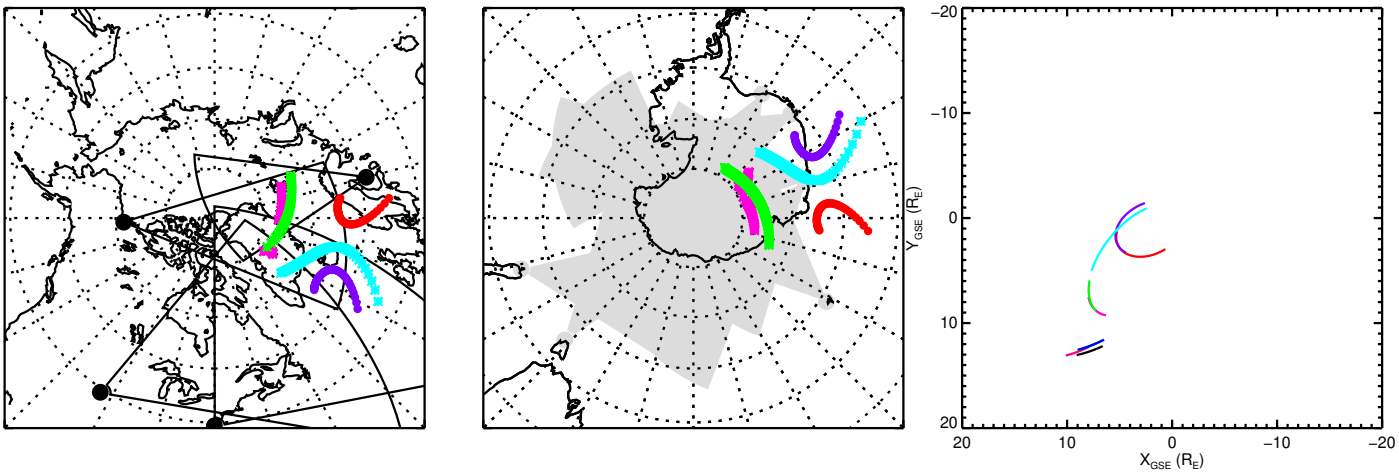




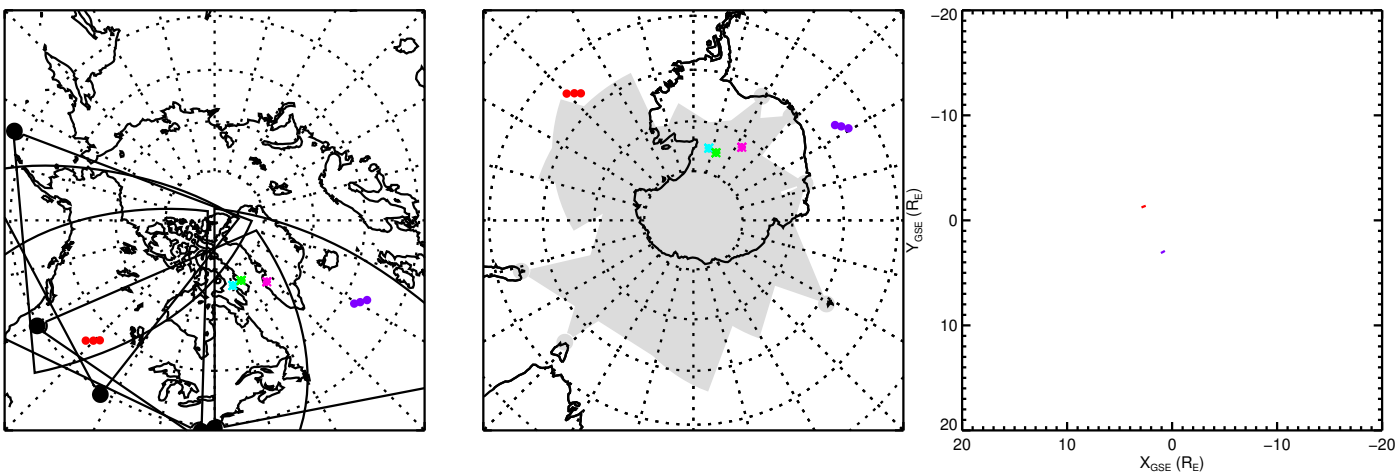
(c) 0900UT to 0900UT
adw



(d) 1110UT to 1550UT
fhe han inv wal

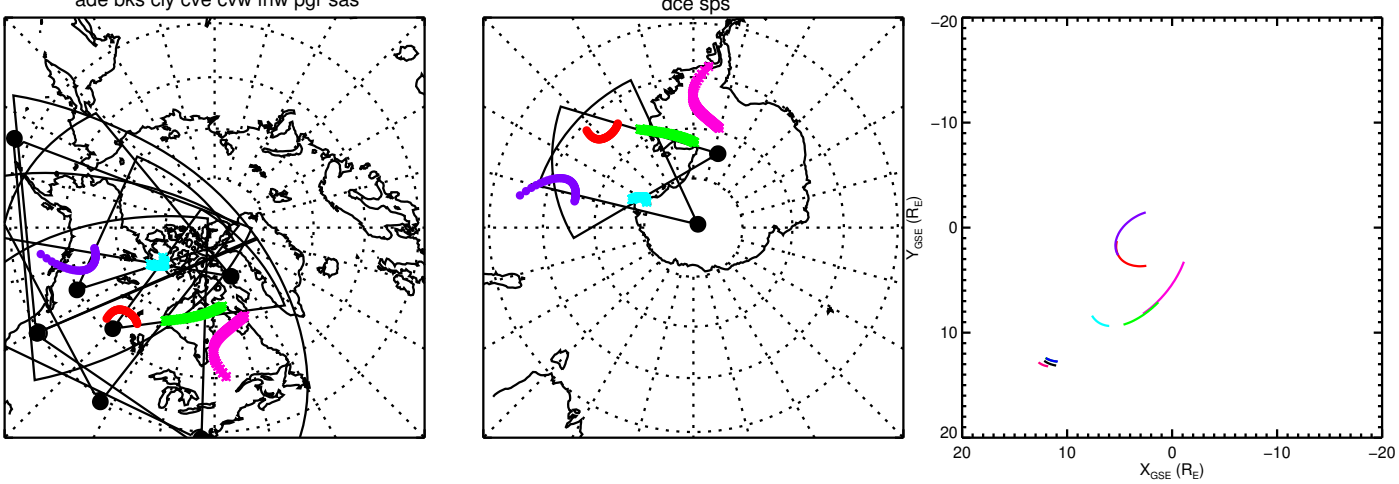


(e) 1755UT to 1805UT
ade bks cve fhw wal



(f) 2010UT to 2355UT
ade bks cly cve cvw fhw pgr sas

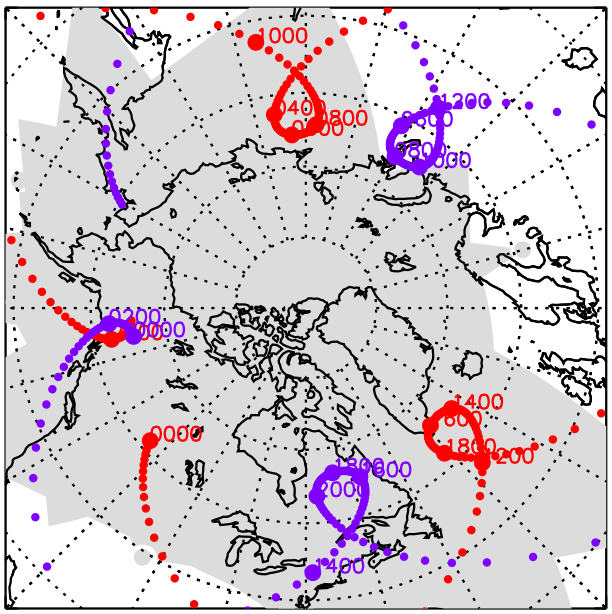
dce sps

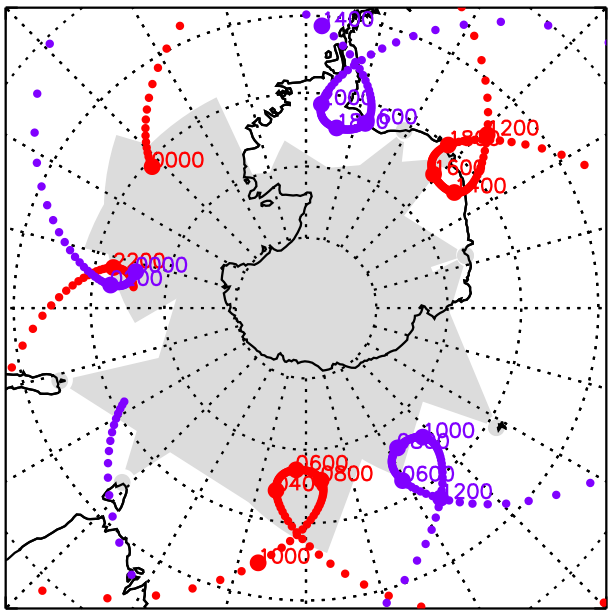


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

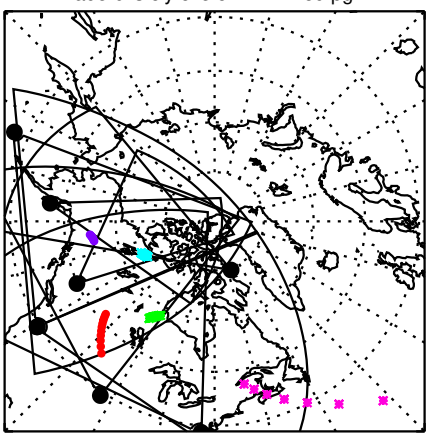
14–Jan–2014

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

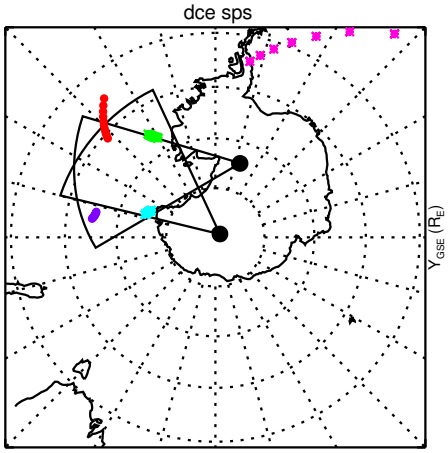


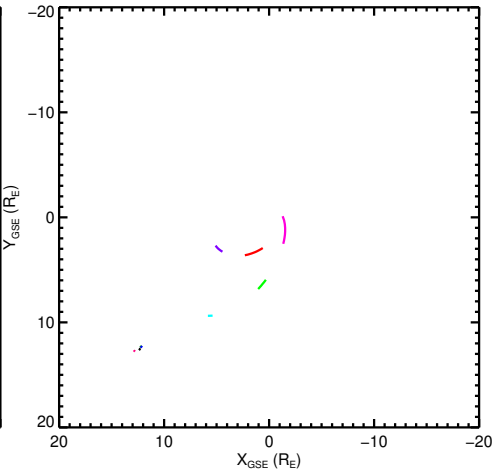


(a) 0000UT to 0050UT
ade bks cly cve cvw fhw kod pgr

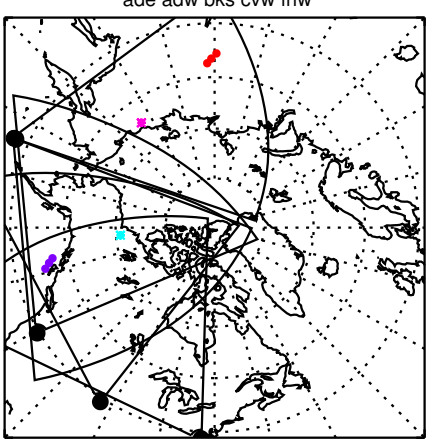


dce sps

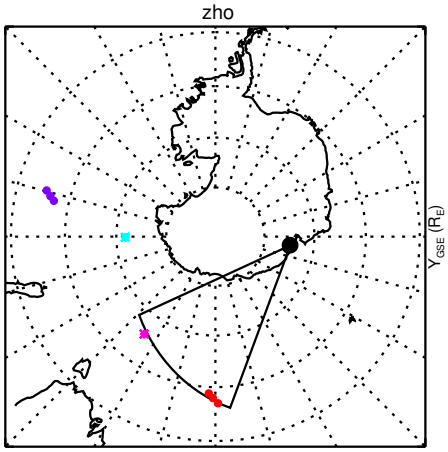


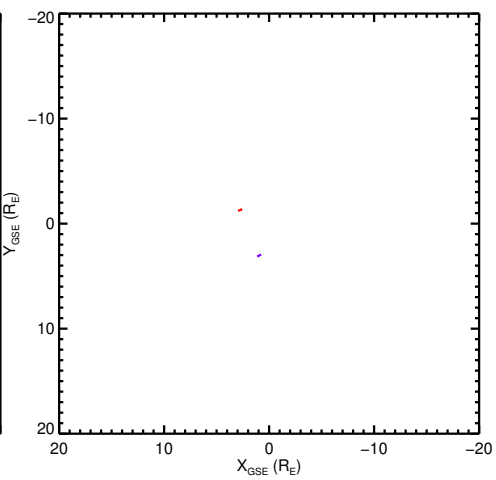


(b) 0255UT to 0305UT
ade adw bks cvw fhw

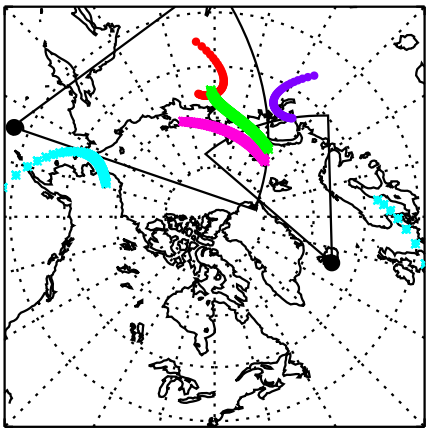


zho

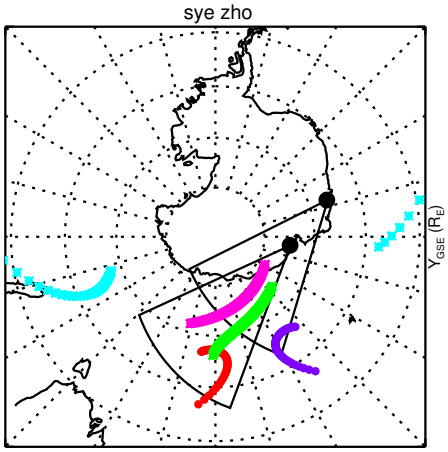


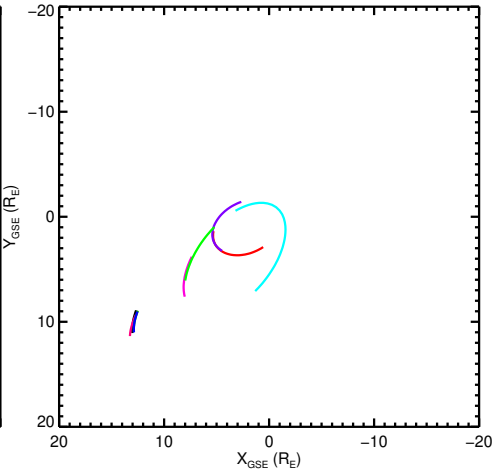


(c) 0515UT to 0950UT
adw pyk

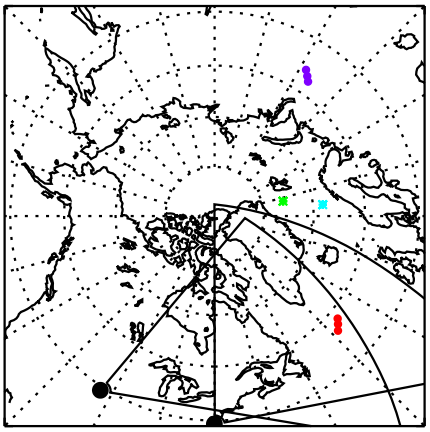


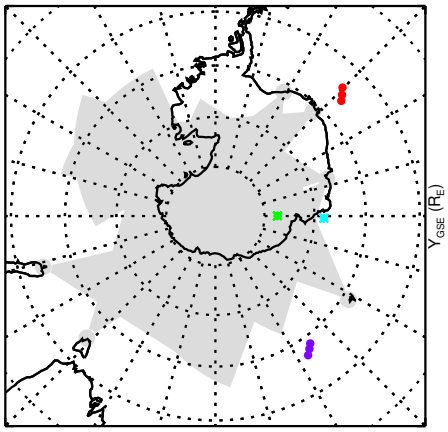
sye zho

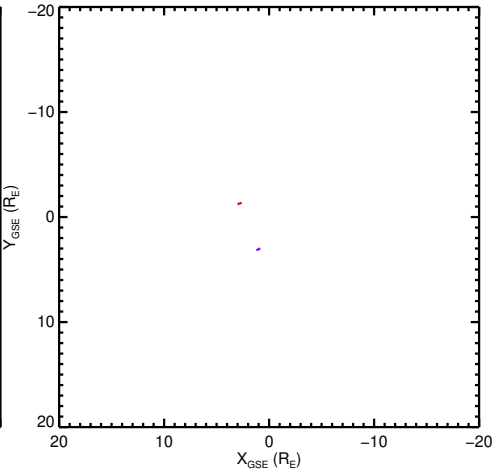




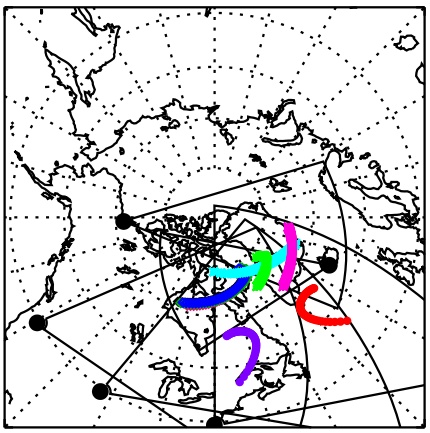
(d) 1155UT to 1205UT
fhe wal



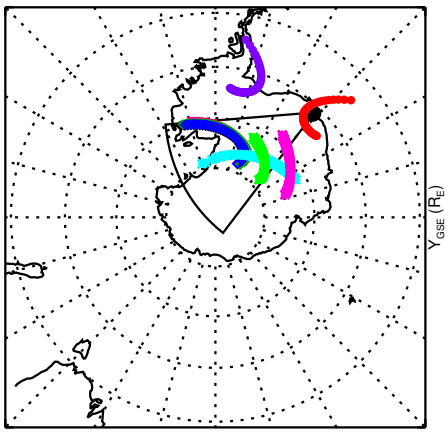


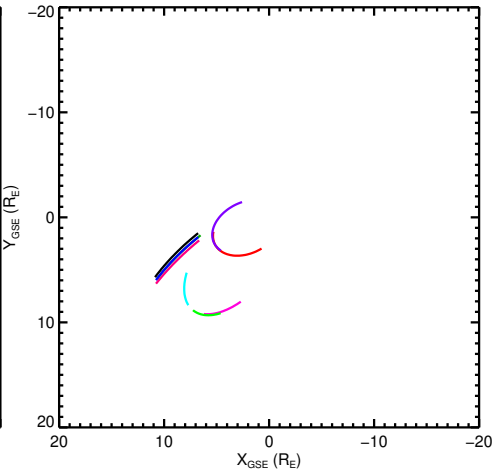


(e) 1415UT to 1845UT
cve fhe inv sto wal

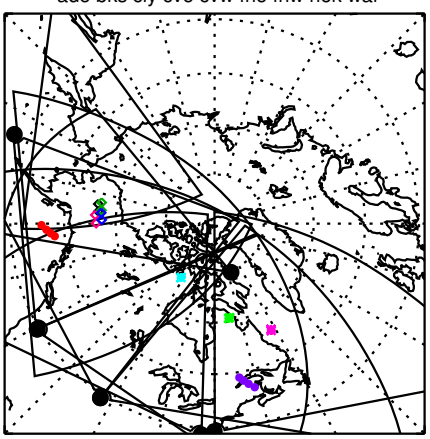


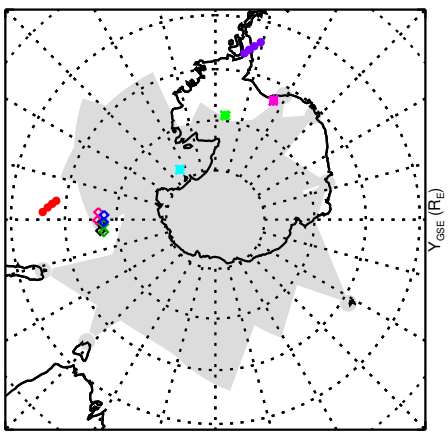
san

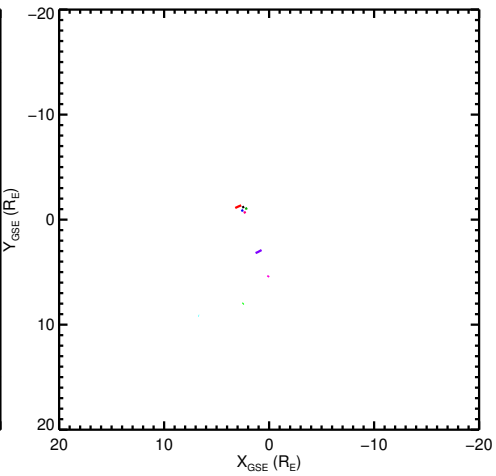


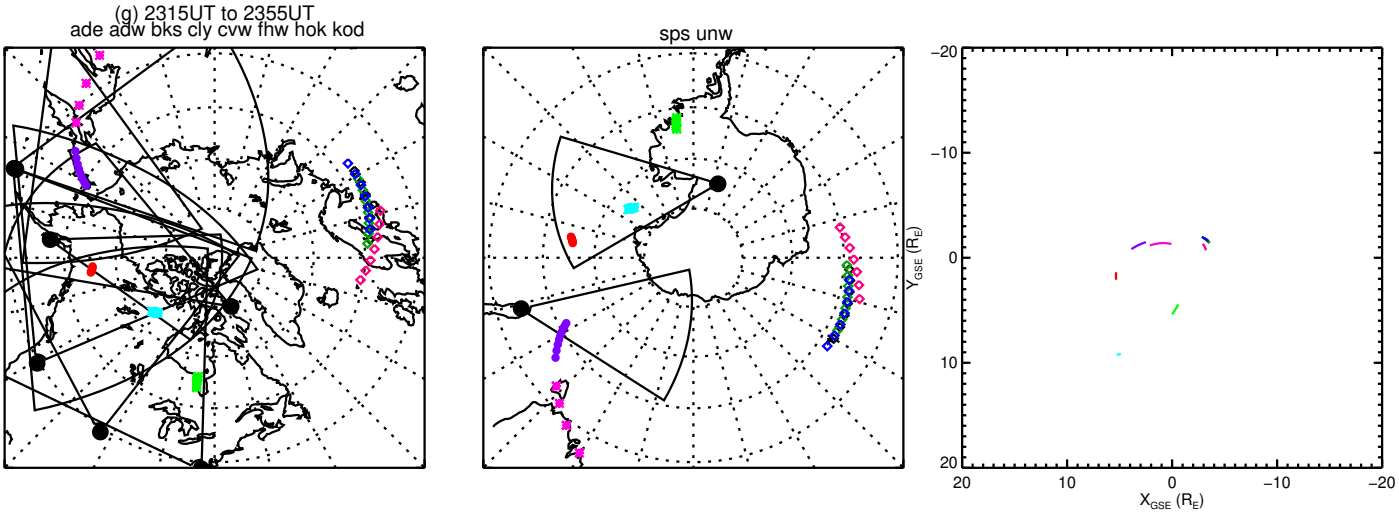


(f) 2055UT to 2110UT
ade bks cly cve cvw fhe fhw hok wal





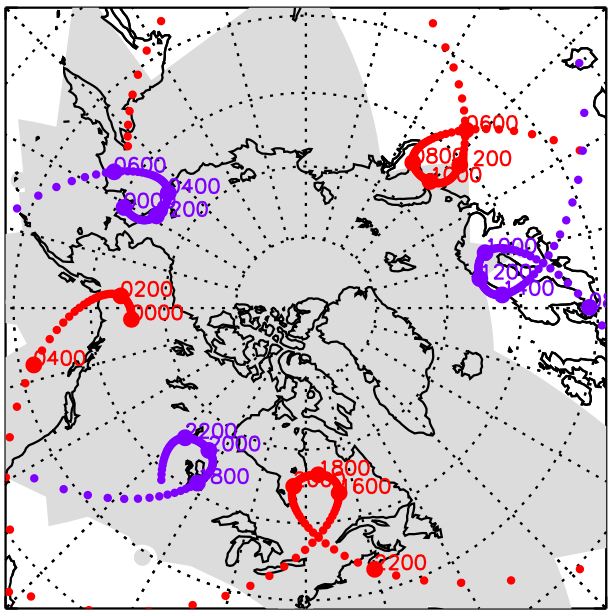


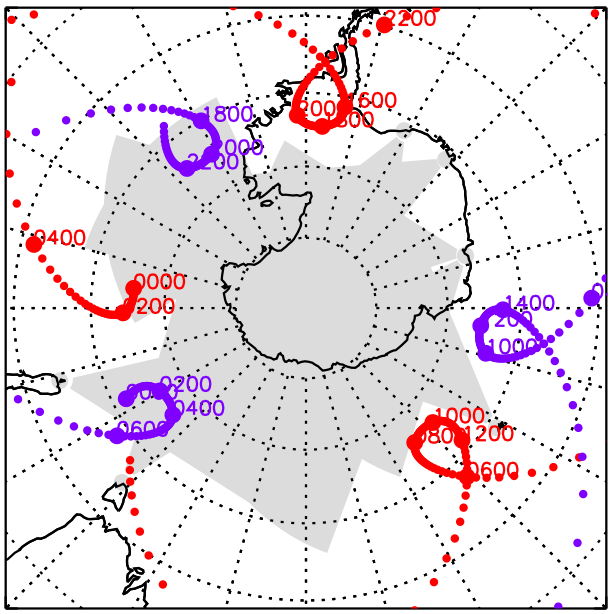

(g) 2315UT to 2355UT
ade adw bks cly cvw fhw hok kod
sps unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

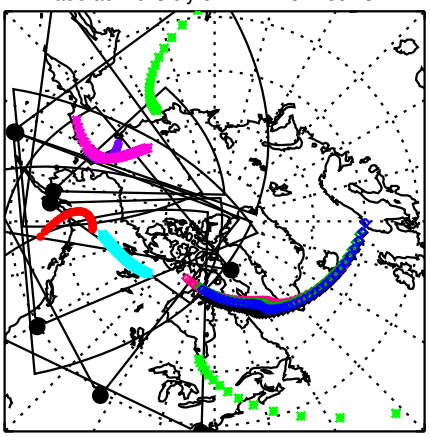
15–Jan–2014

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

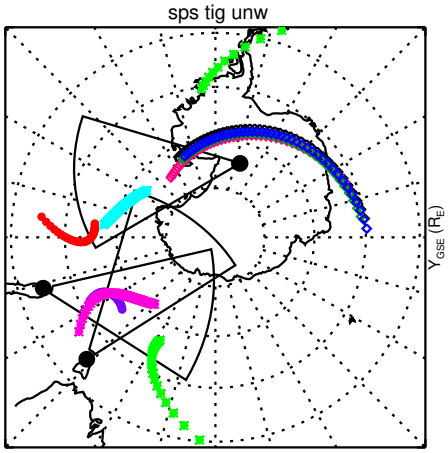


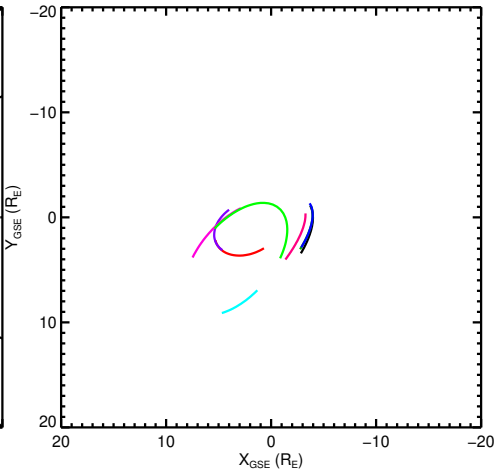


(a) 0000UT to 0345UT
ade adw bks cly cvw fhw hok kod ksr

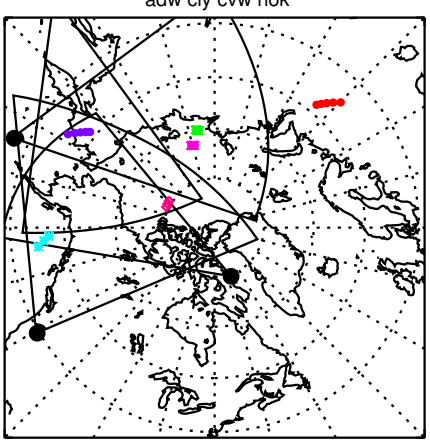


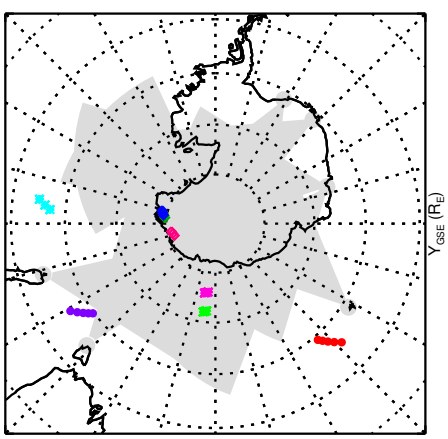
sps tig unw

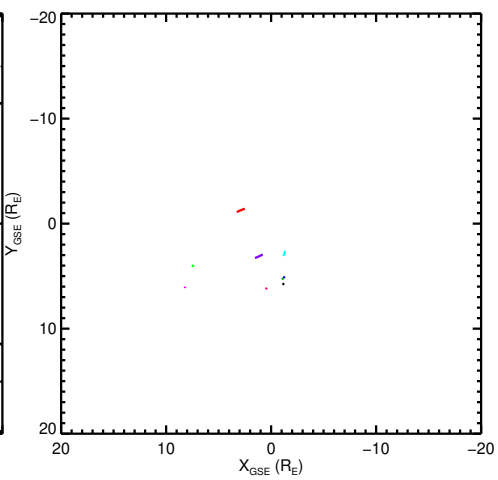




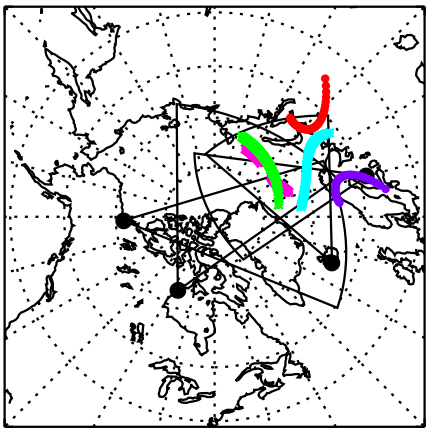
(b) 0550UT to 0610UT
adw cly cvw hok



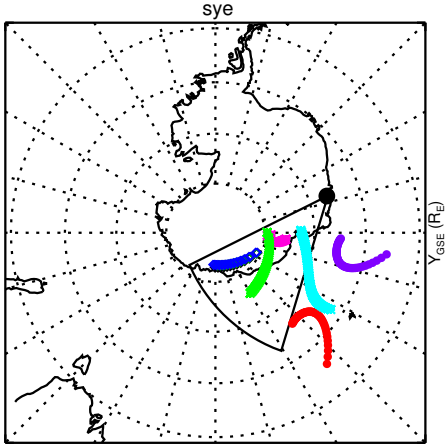


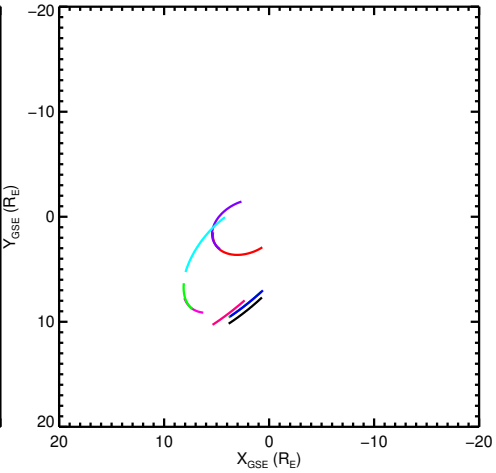


(c) 0820UT to 1245UT
han inv pyk rkn

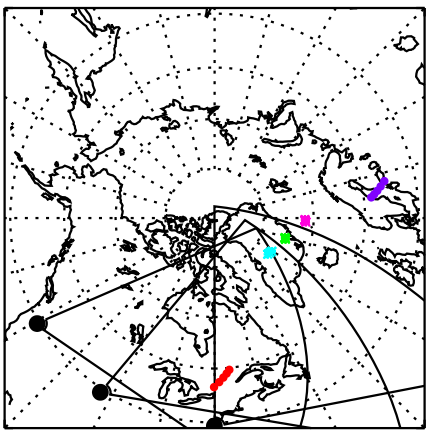


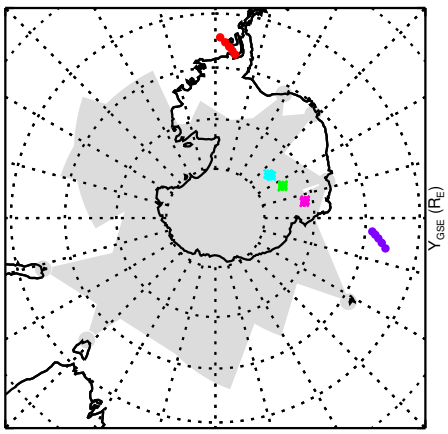
sye

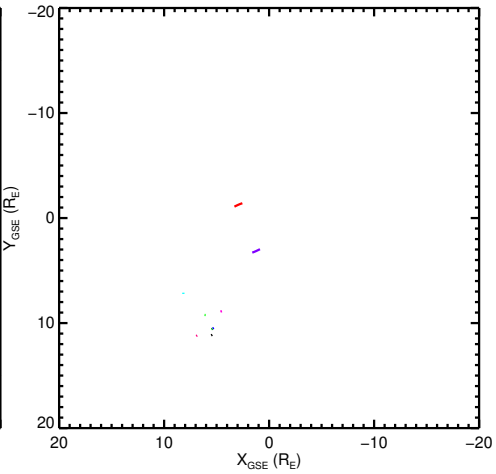




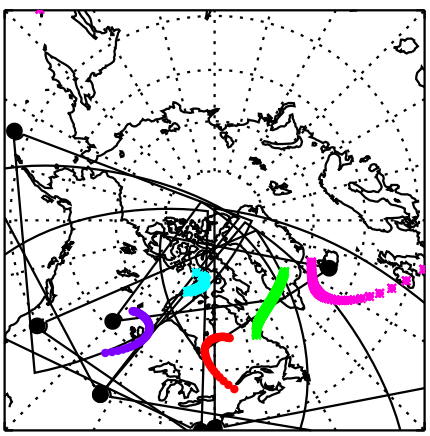
(d) 1450UT to 1510UT
cve fhe wal



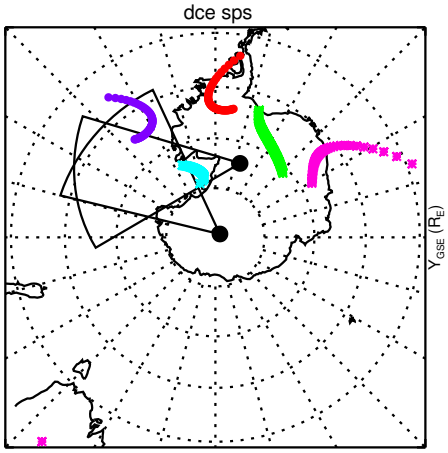


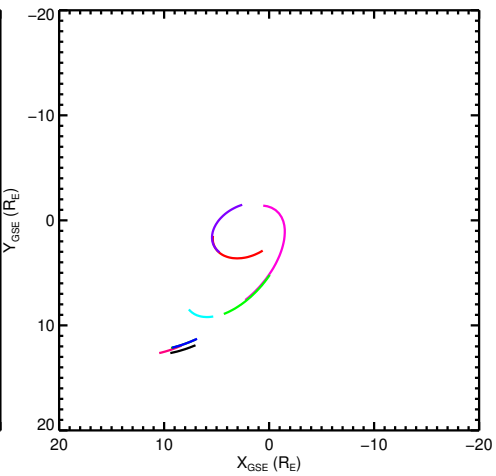


(e) 1720UT to 2145UT
ade bks cve fhe fhw sas sto wal

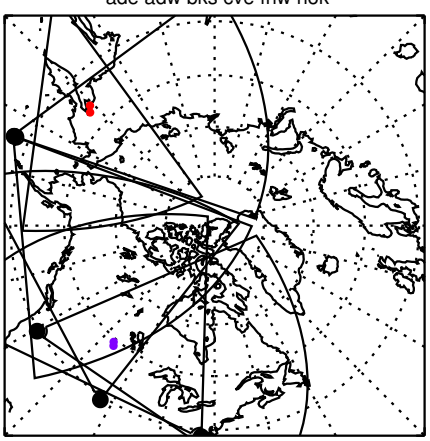


dce sps





(f) 2350UT to 2355UT
ade adw bks cve fhw hok



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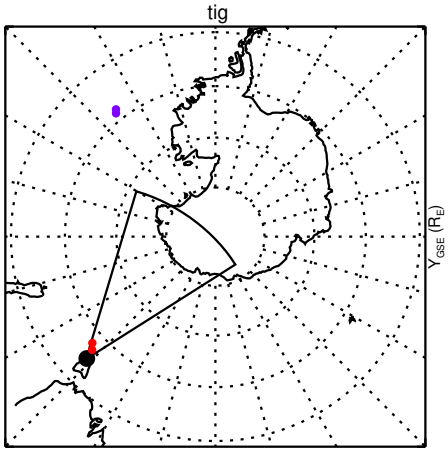
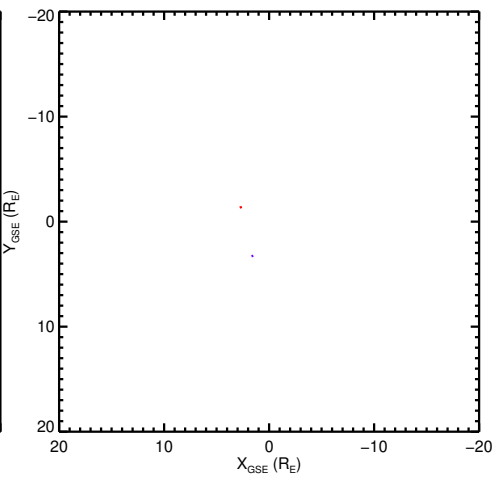
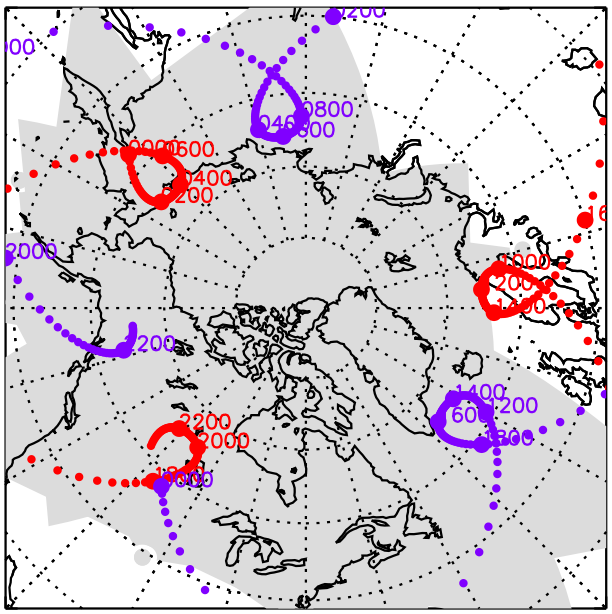


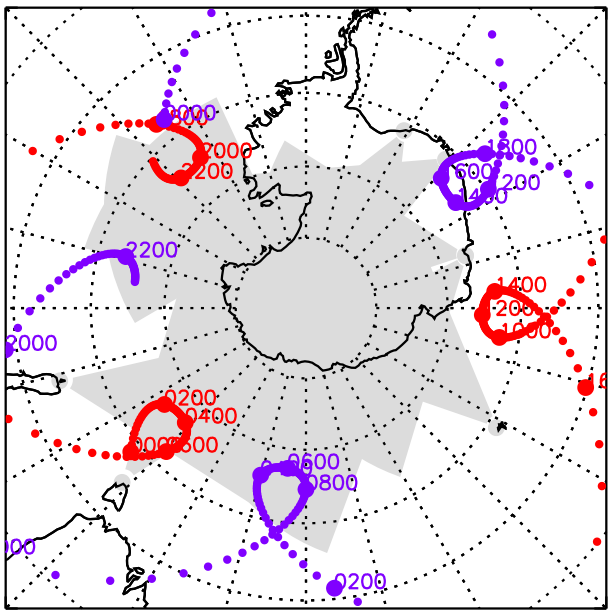


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

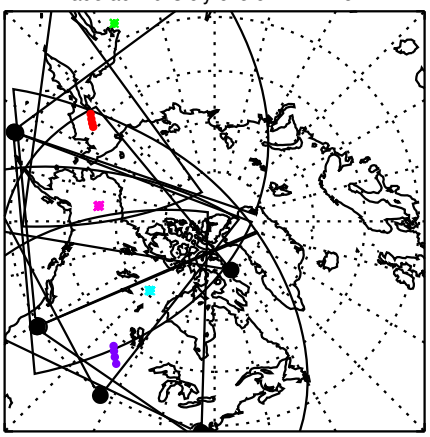
16–Jan–2014

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

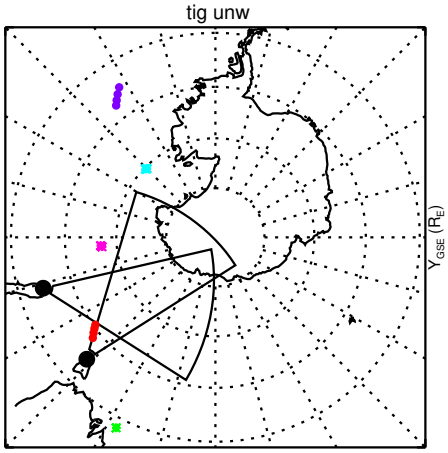


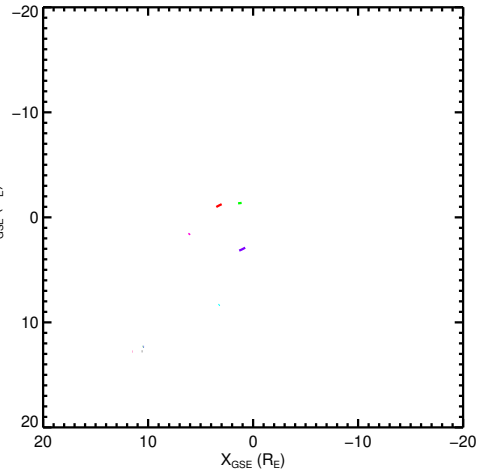


(a) 0000UT to 0015UT
ade adw bks cly cve cvw fhw hok

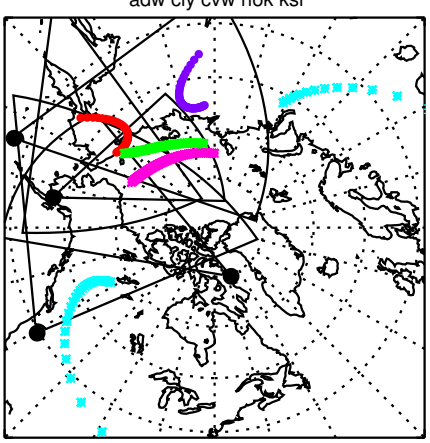


tig unw

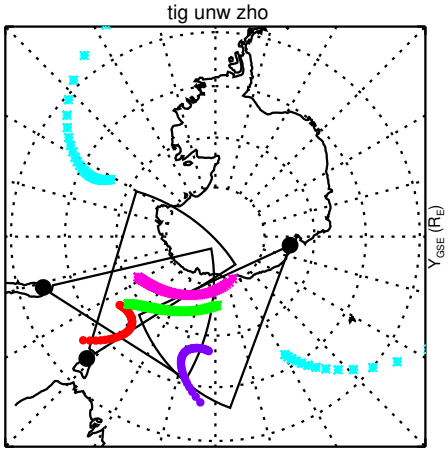


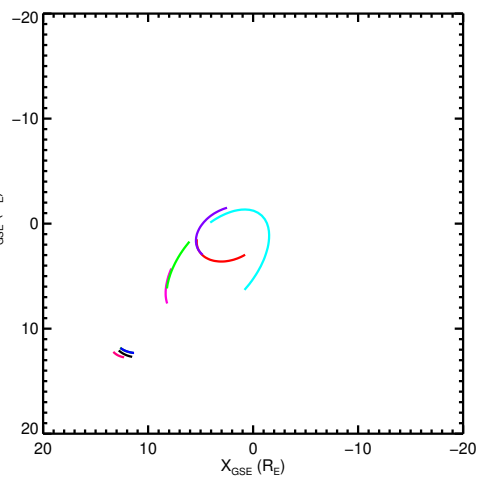


(b) 0220UT to 0640UT
adw cly cvw hok ksr

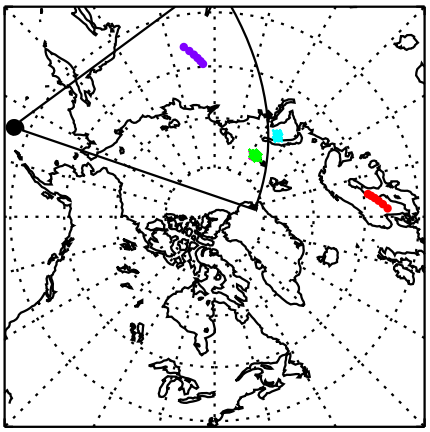


tig unw zho

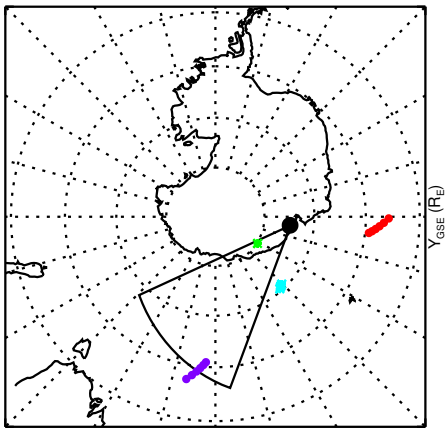


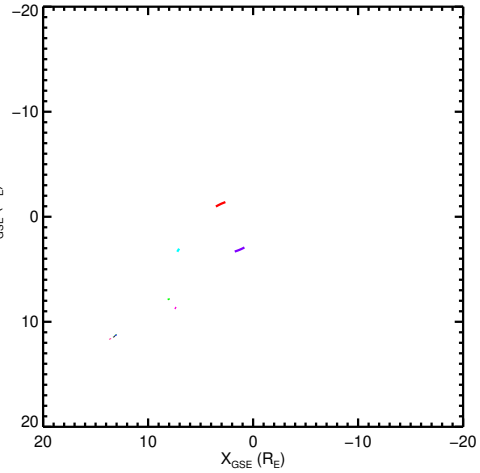


(c) 0850UT to 0915UT
adw

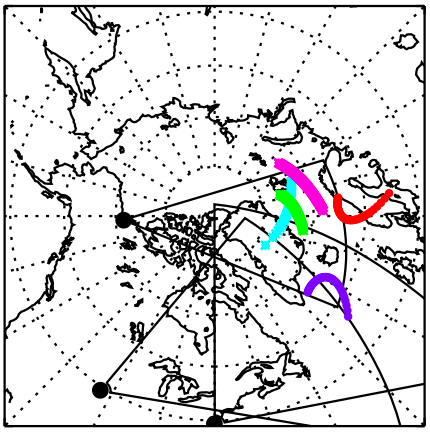


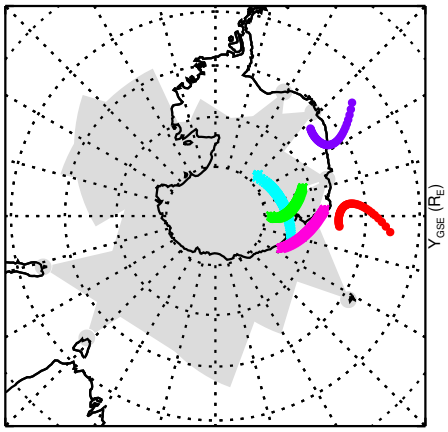
zho

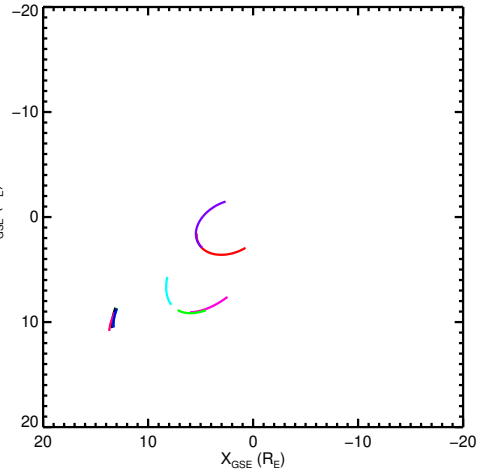




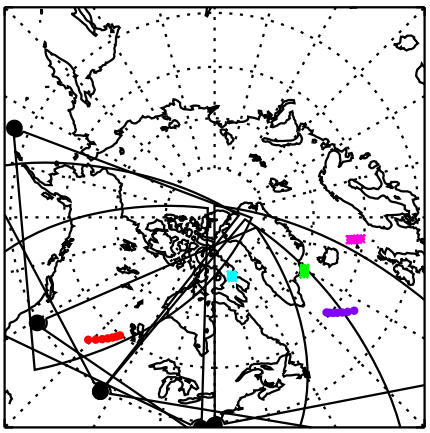
(d) 1125UT to 1540UT
fhe inv wal



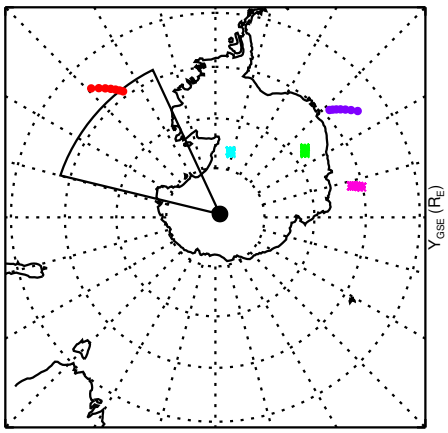


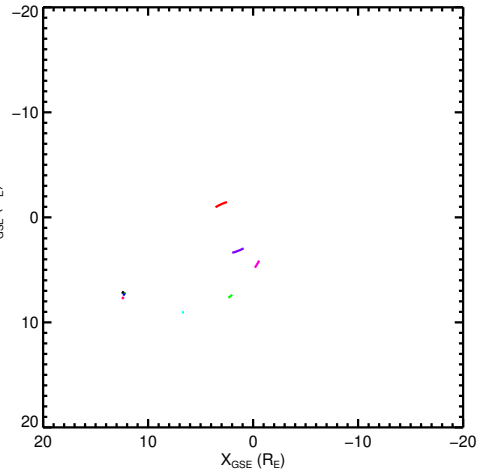


(e) 1745UT to 1815UT
ade bks cve fhe fhw wal

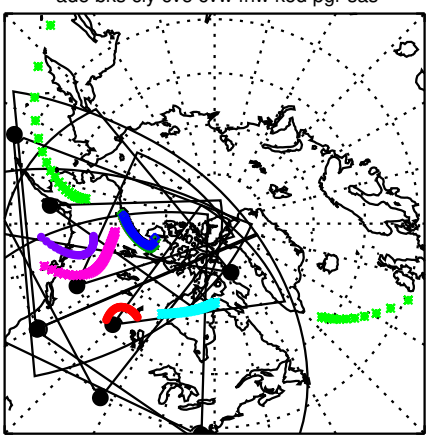


dce

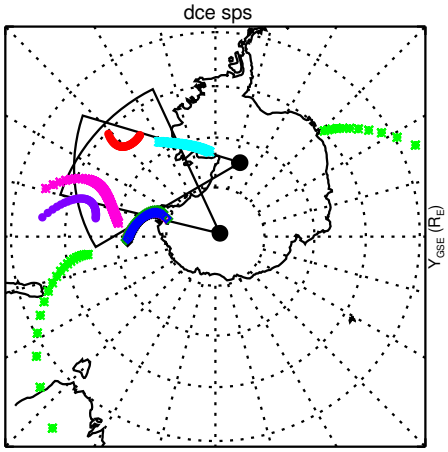


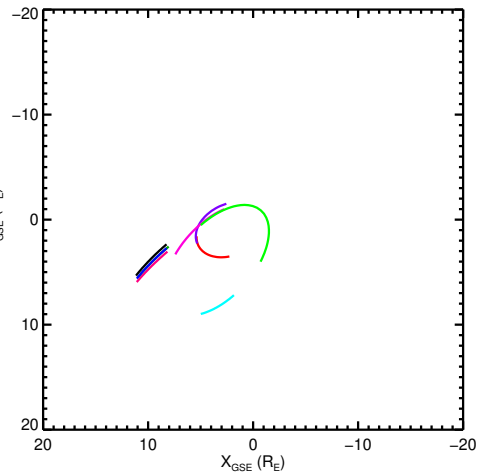


(f) 2025UT to 2355UT
ade bks cly cve cvw fhw kod pgr sas



dce sps

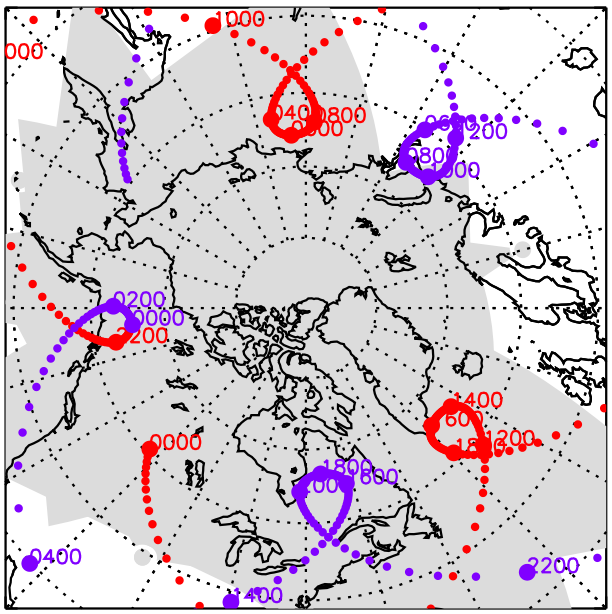


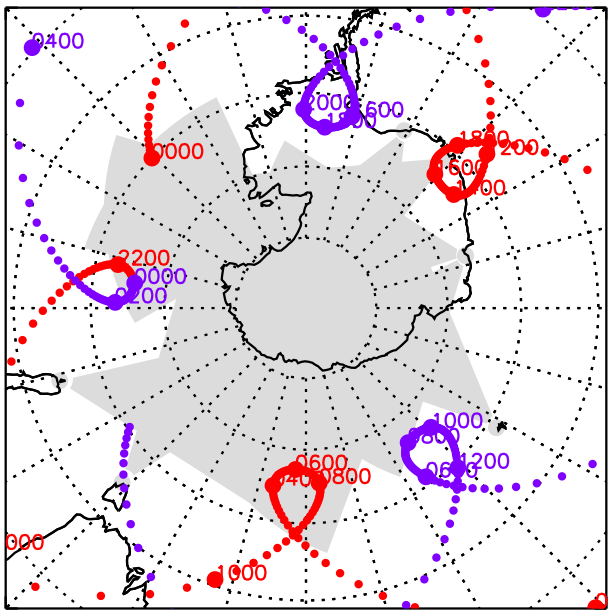


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

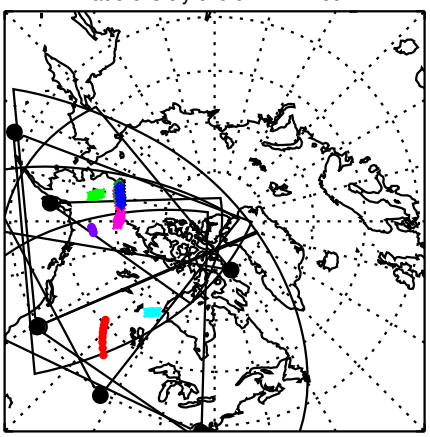
17–Jan–2014

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

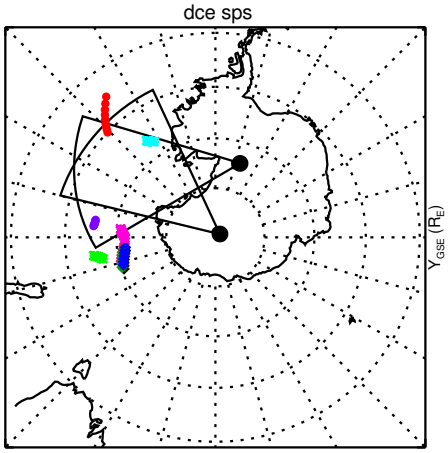


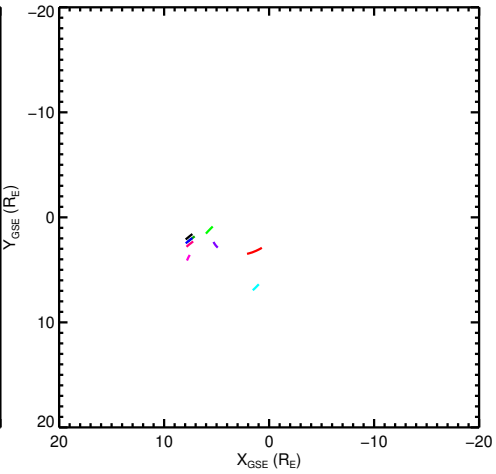


(a) 0000UT to 0040UT
ade bks cly cve cvw fhw kod

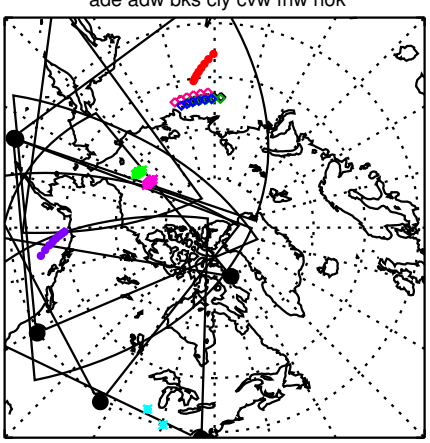


dce sps

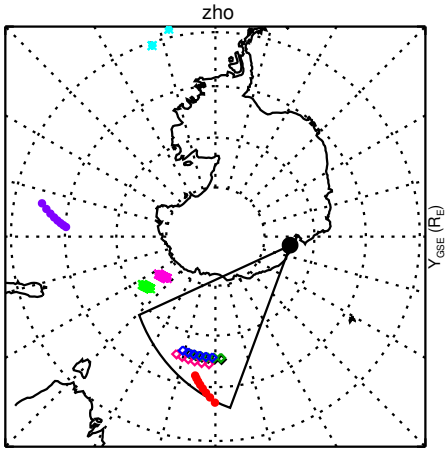


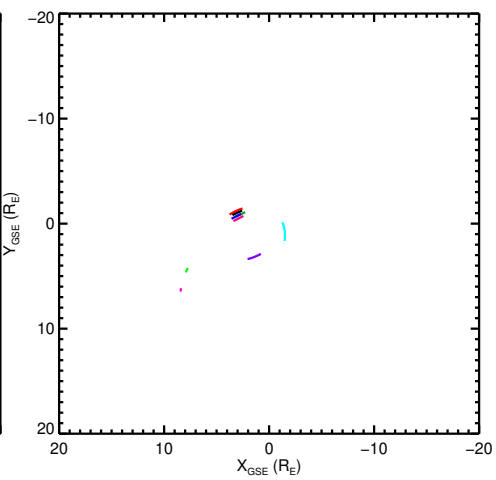


(b) 0245UT to 0320UT
ade adw bks cly cvw fhw hok



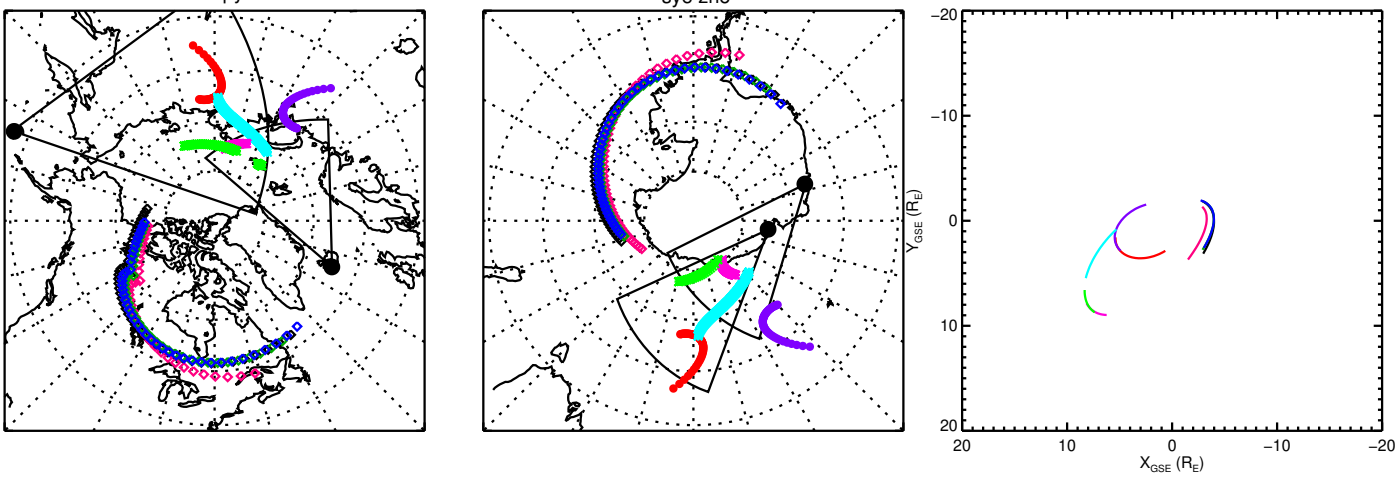
zho



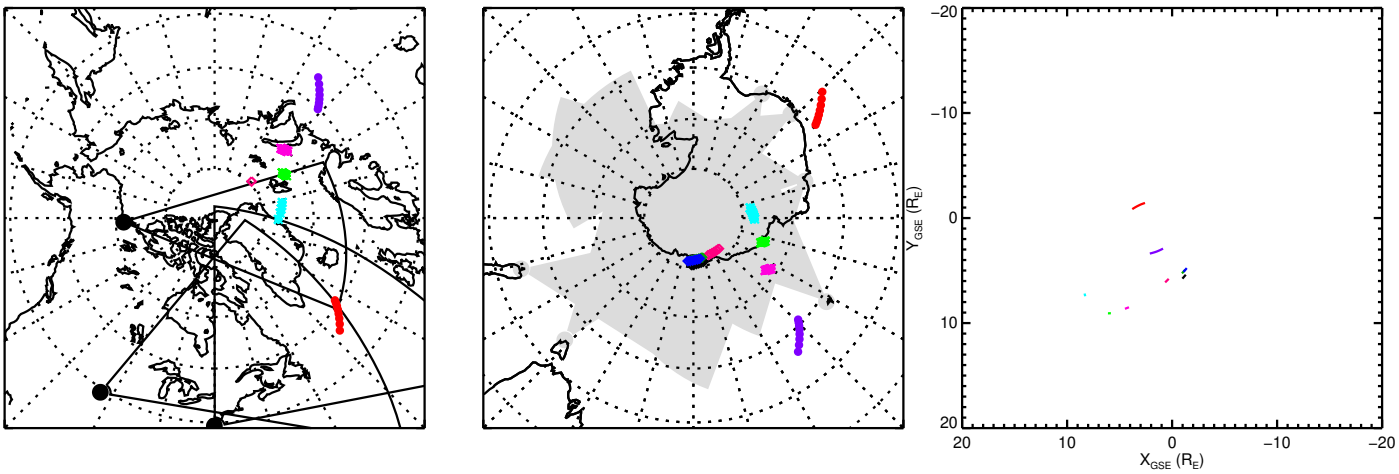


(c) 0525UT to 0940UT
adw pyk

sye zho

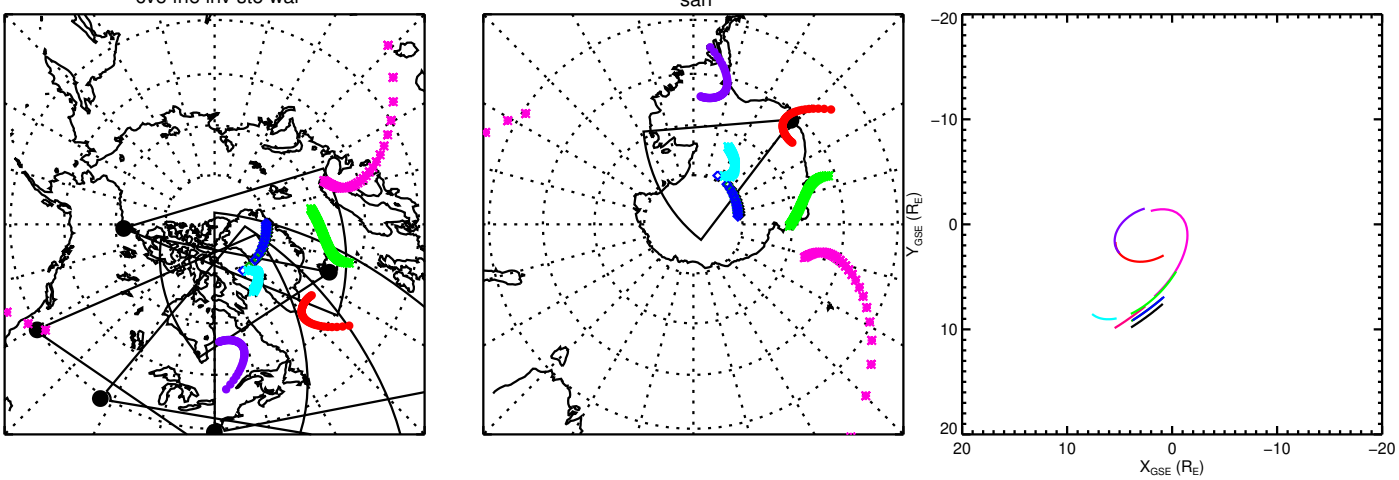


(d) 1145UT to 1220UT
fhe inv wal

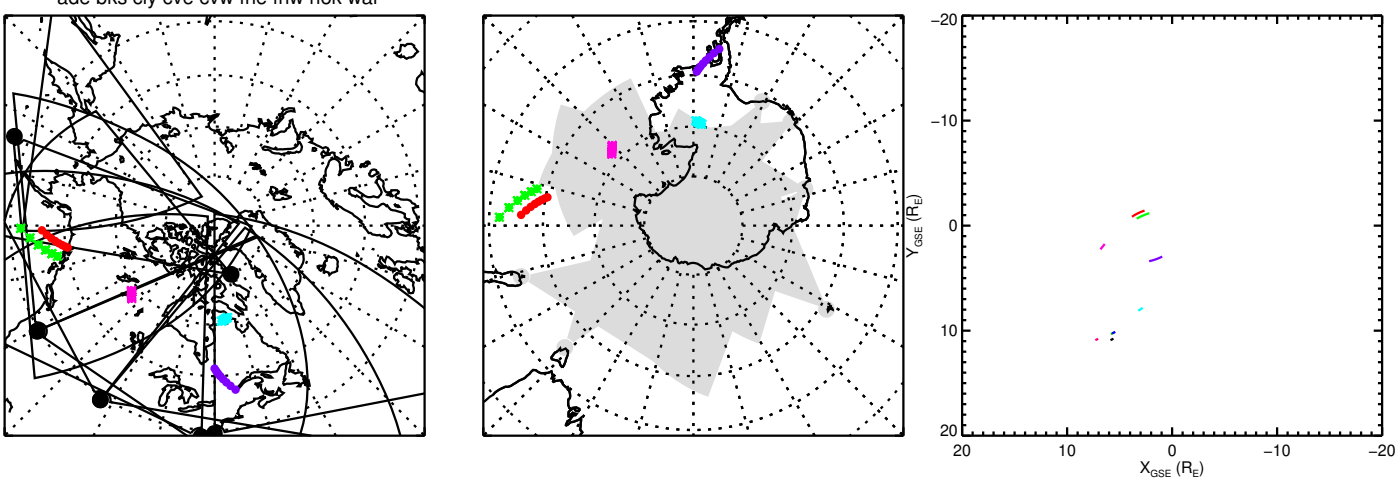


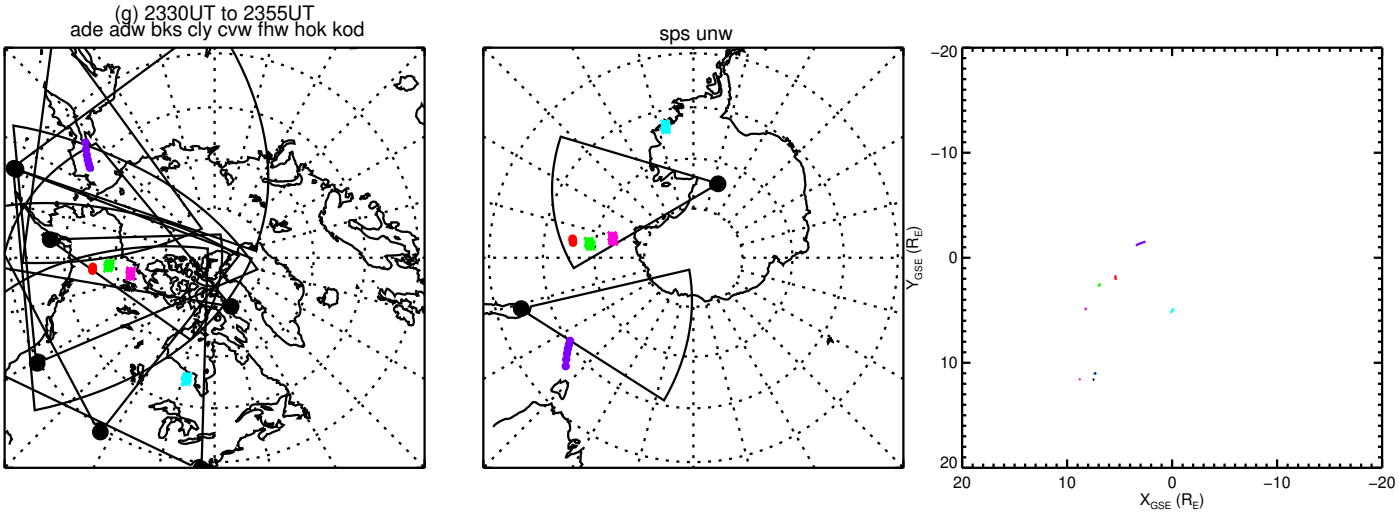
(e) 1430UT to 1835UT
cve fhe inv sto wal

san



(f) 2045UT to 2120UT
ade bks cly cve cvw fhe fhw hok wal

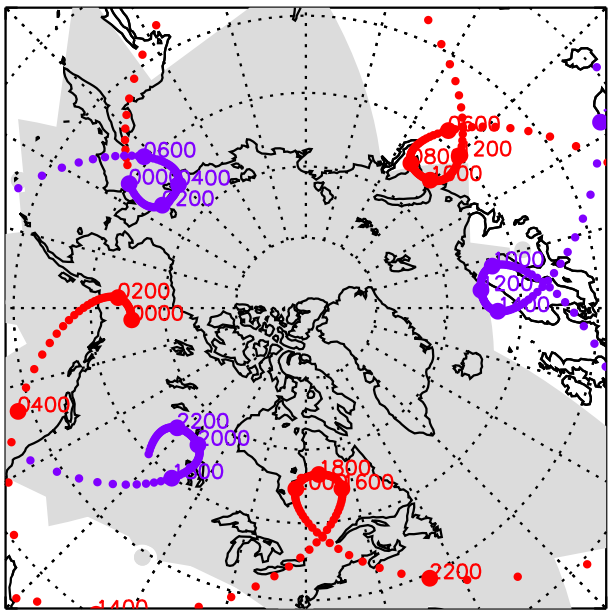


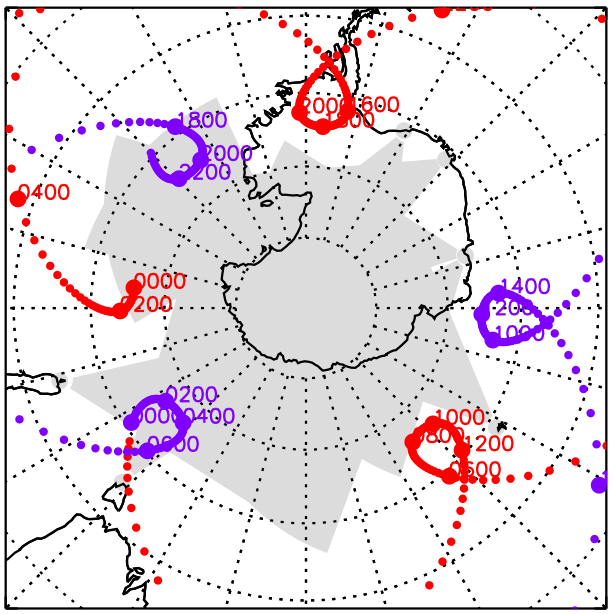

(g) 2330UT to 2355UT
ade adw bks cly cvw fhw hok kod
sps unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

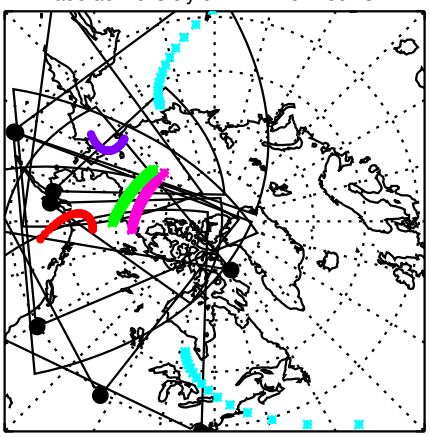
18–Jan–2014

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

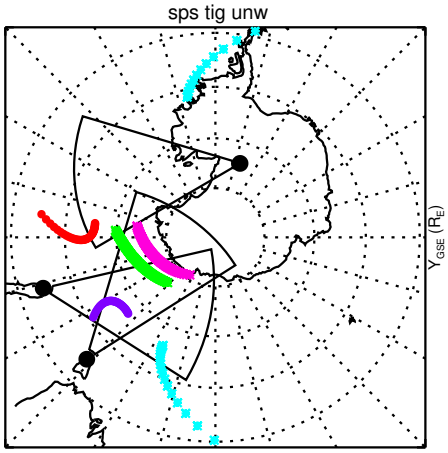


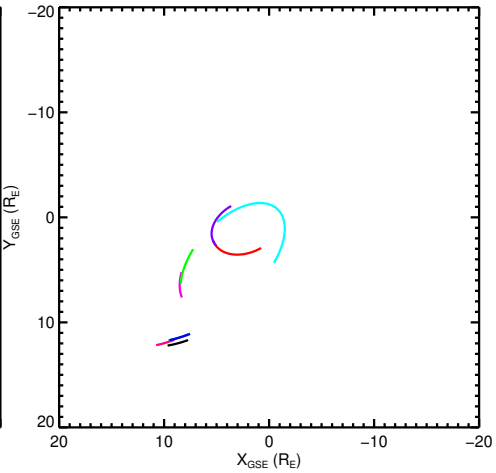


(a) 0000UT to 0335UT
ade adw bks cly cvw fhw hok kod ksr

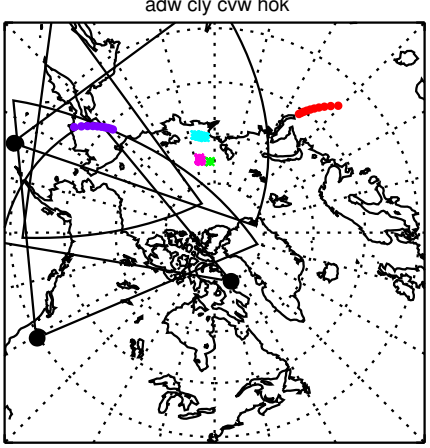


sps tig unw

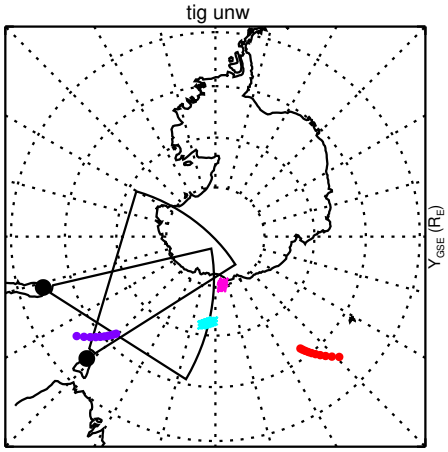


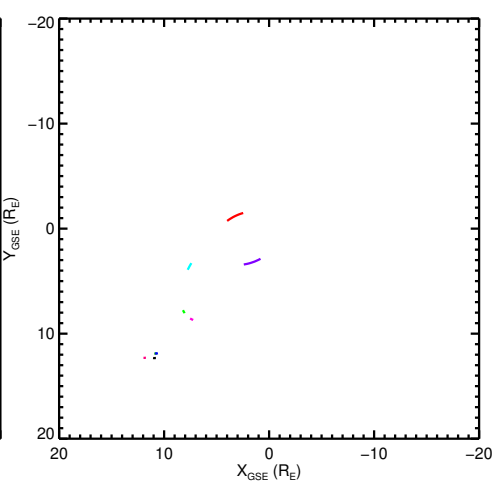


(b) 0540UT to 0625UT
adw cly cvw hok

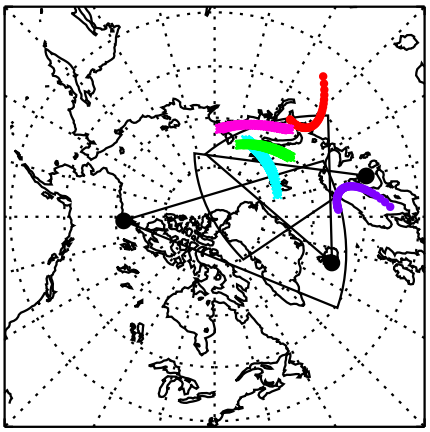


tig unw

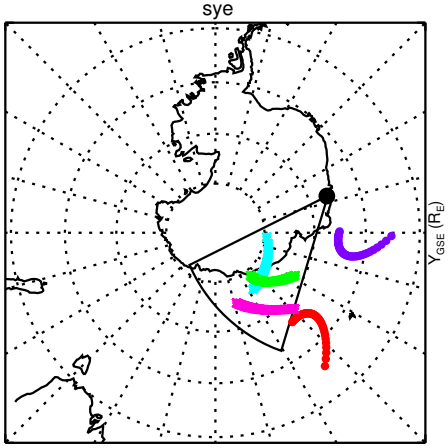


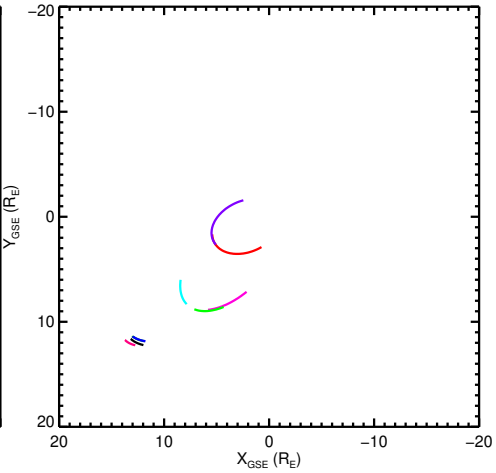


(c) 0830UT to 1235UT
han inv pyk

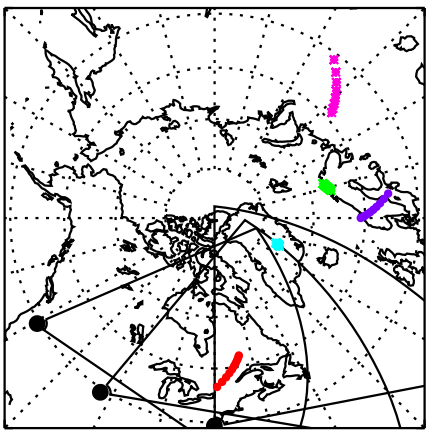


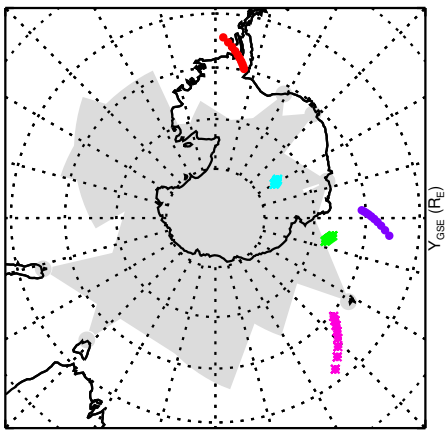
sye

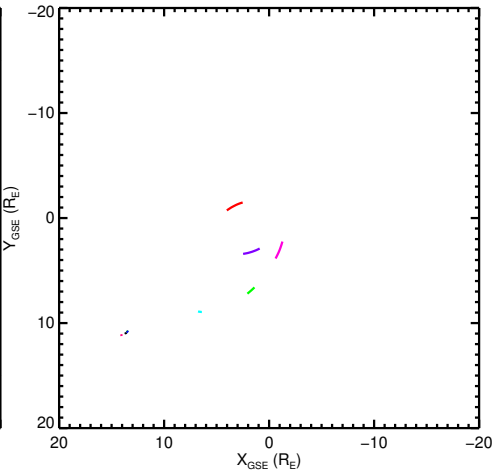




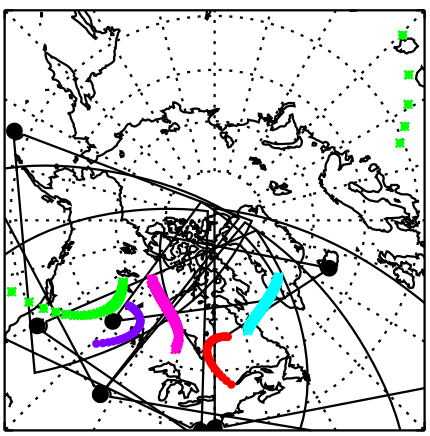
(d) 1440UT to 1525UT
cve fhe wal



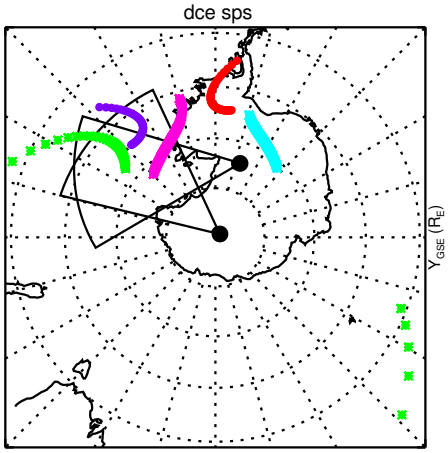


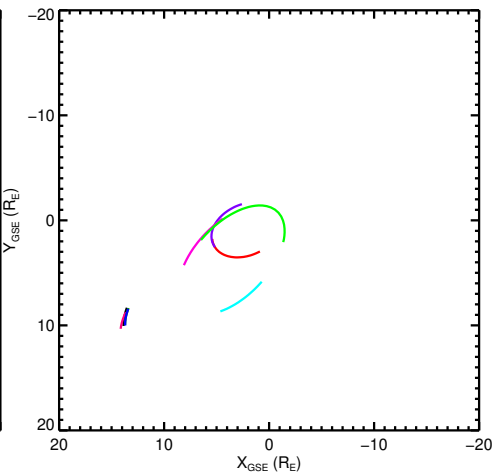


(e) 1735UT to 2130UT
ade bks cve fhe fhw sas sto wal

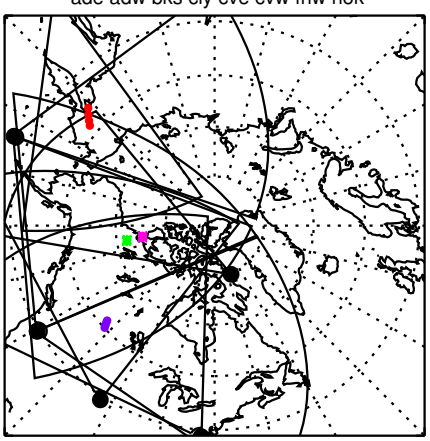


dce sps

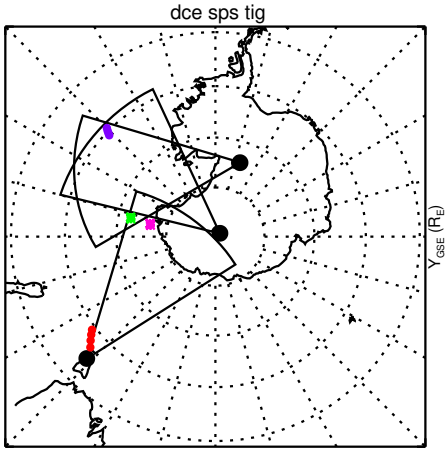


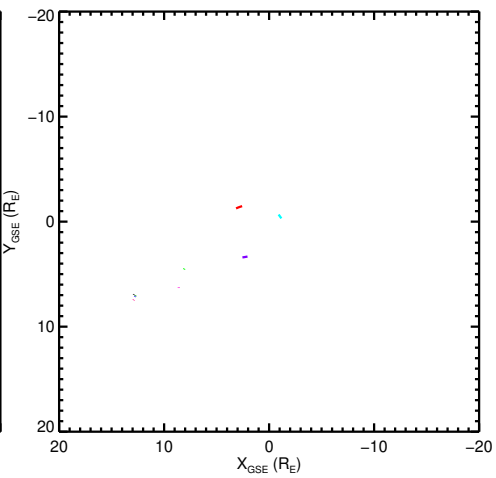


(f) 2340UT to 2355UT
ade adw bks cly cve cvw fhw hok



dce sps tig

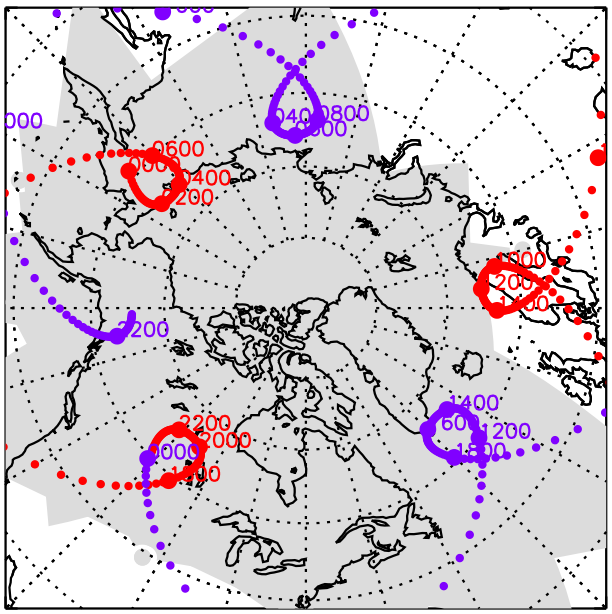


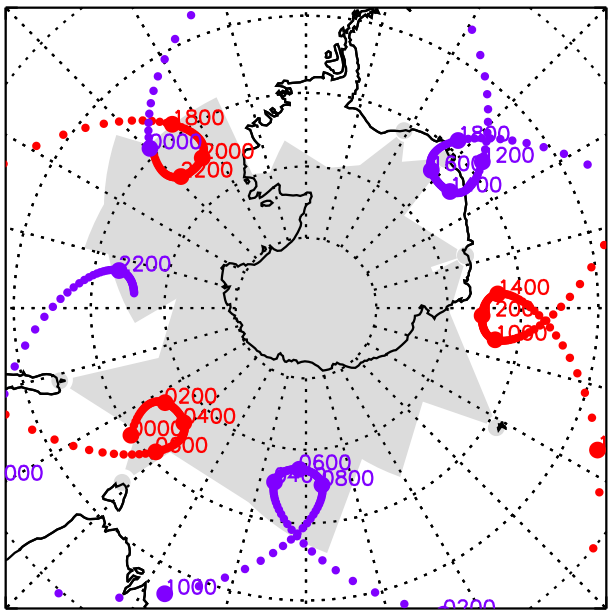


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

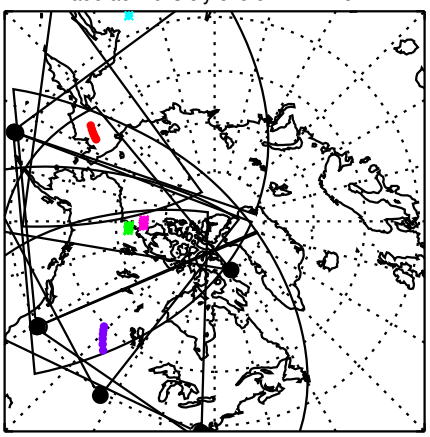
19–Jan–2014

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

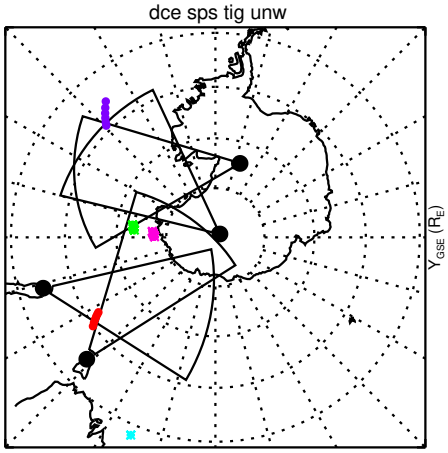


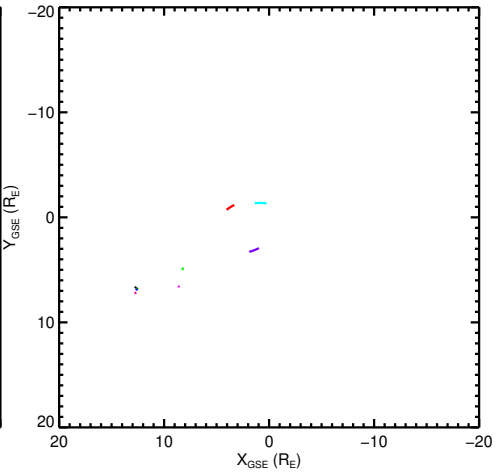


(a) 0000UT to 0025UT
ade adw bks cly cve cvw fhw hok

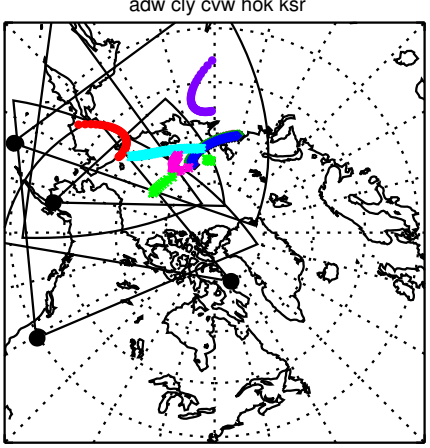


dce sps tig unw

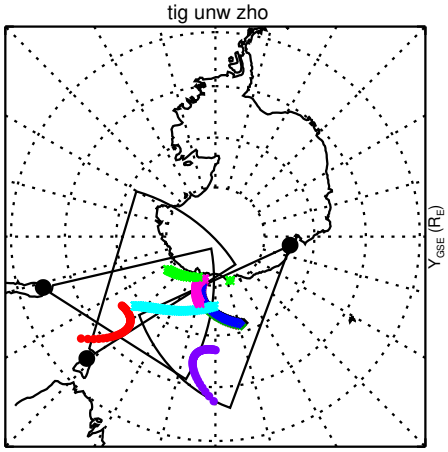


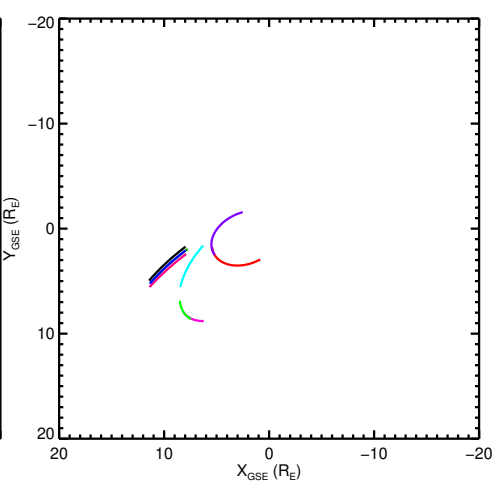


(b) 0235UT to 0630UT
adw cly cvw hok ksr

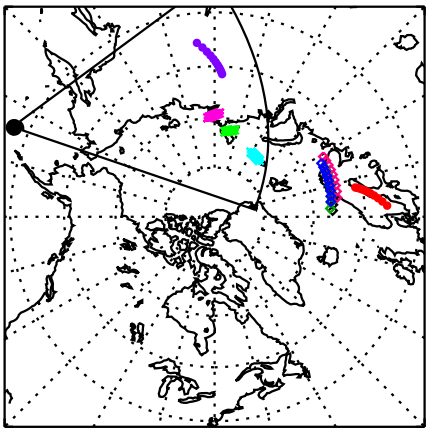


tig unw zho

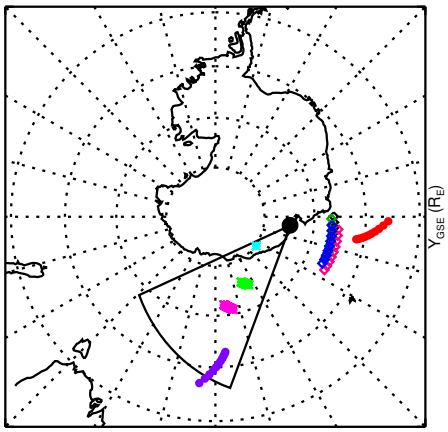


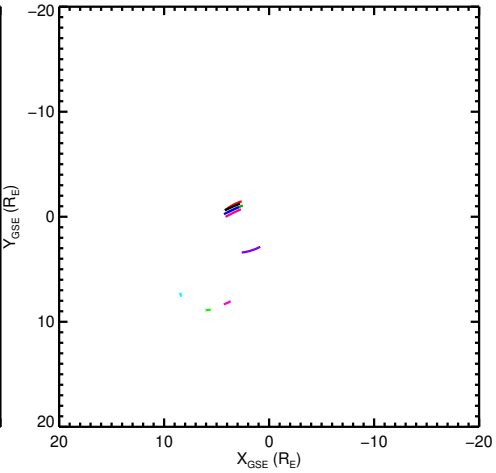


(c) 0840UT to 0930UT
adw

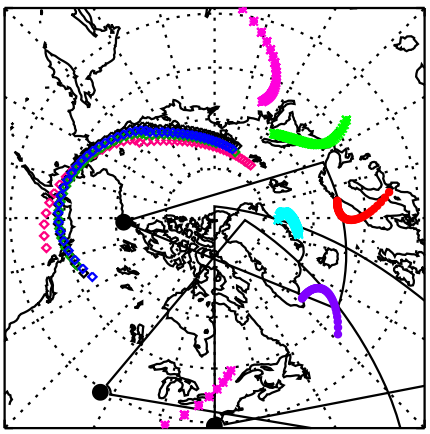


zho

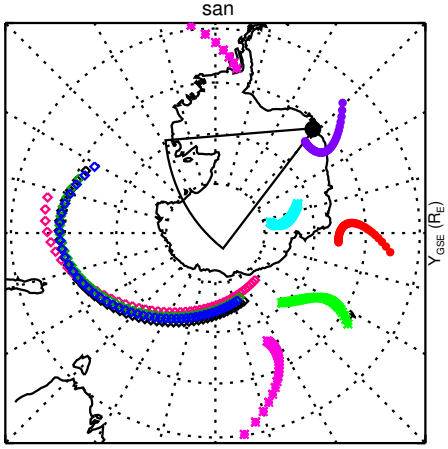


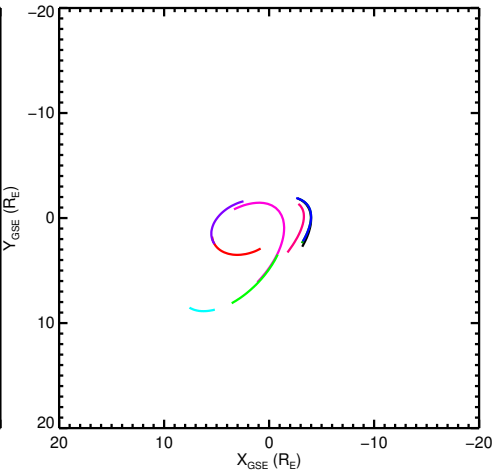


(d) 1135UT to 1530UT
fhe inv wal

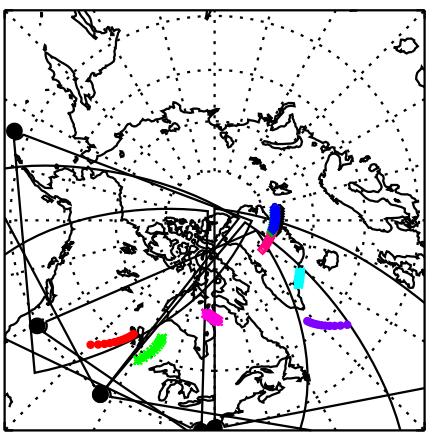


san

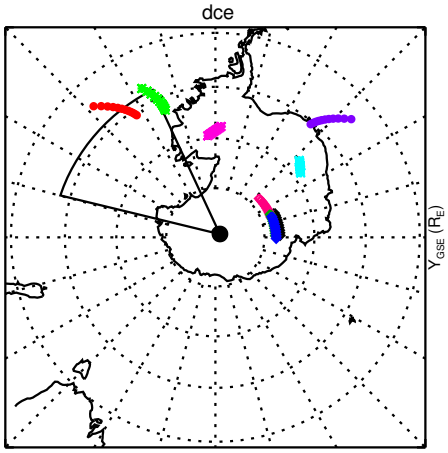


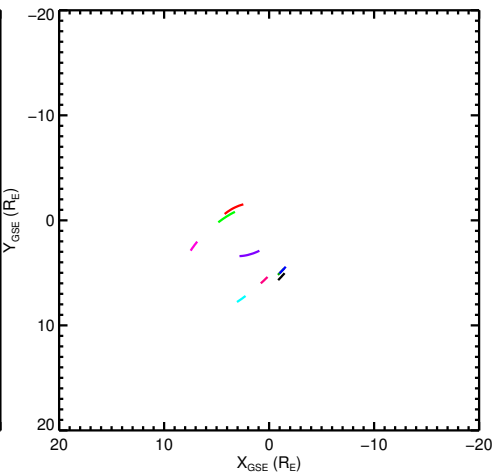


(e) 1735UT to 1830UT
ade bks cve fhe fhw wal

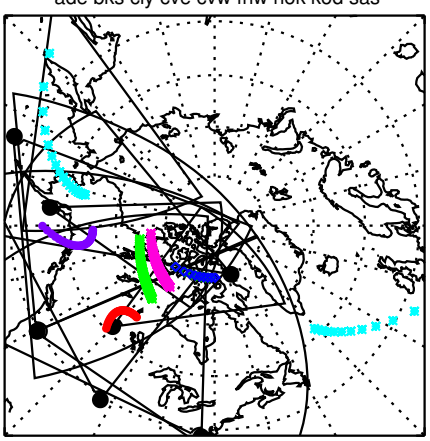


dce

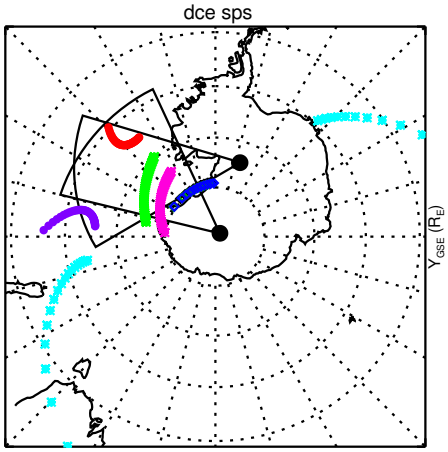


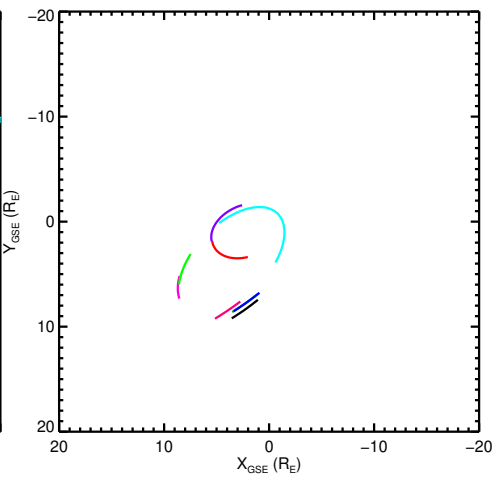


(f) 2040UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



dce sps

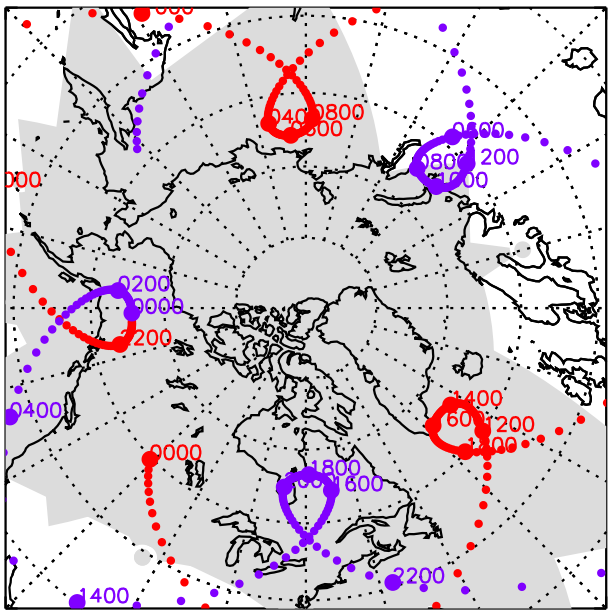


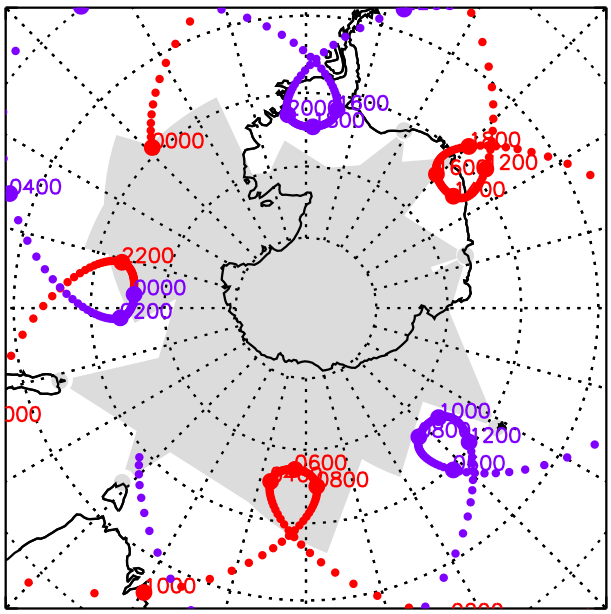


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

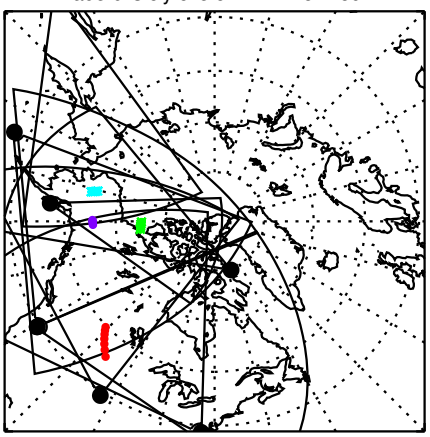
20–Jan–2014

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

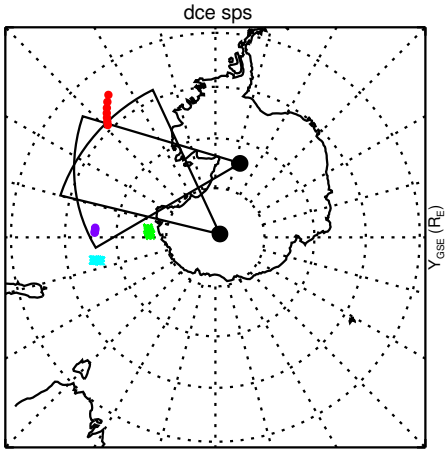


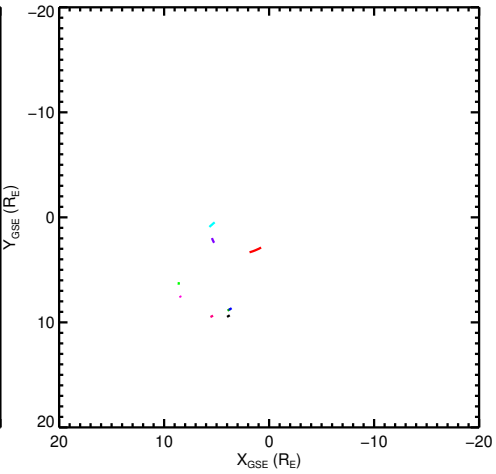


(a) 0000UT to 0030UT
ade bks cly cve cvw fhw hok kod

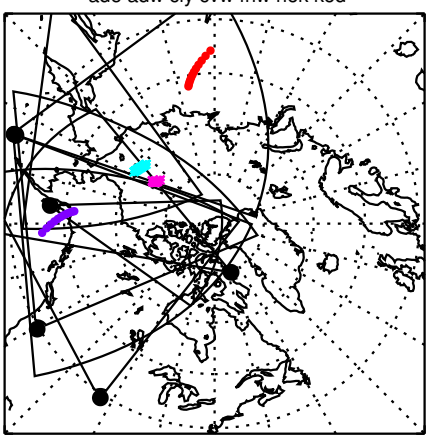


dce sps

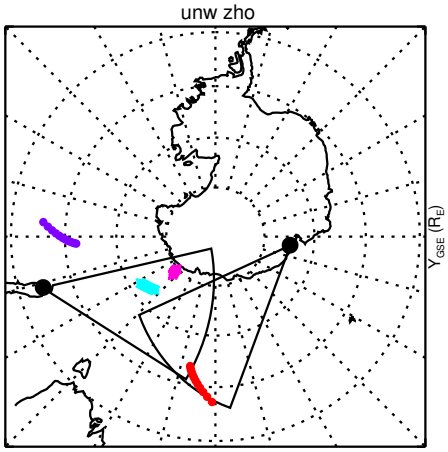


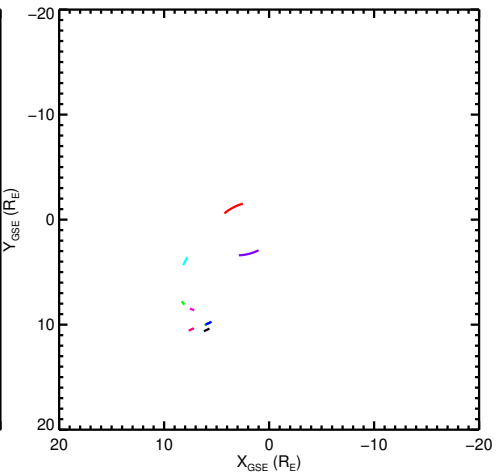


(b) 0235UT to 0330UT
ade adw cly cvw fhw hok kod

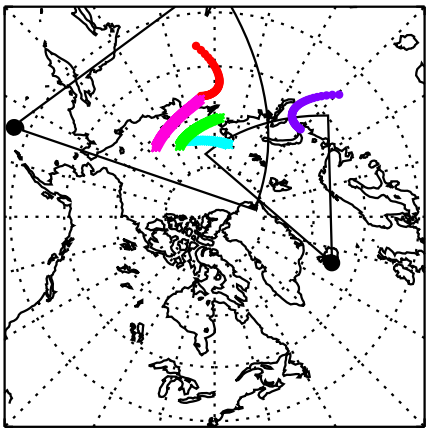


unw zho

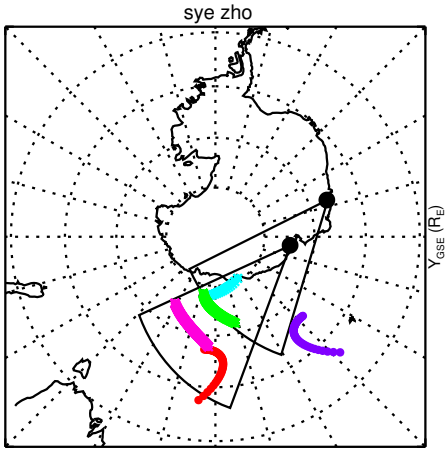


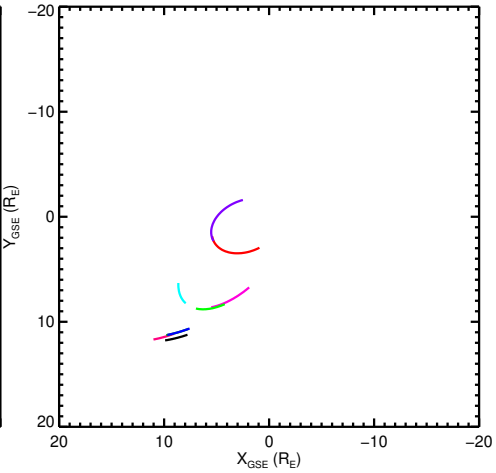


(c) 0540UT to 0925UT
adw pyk

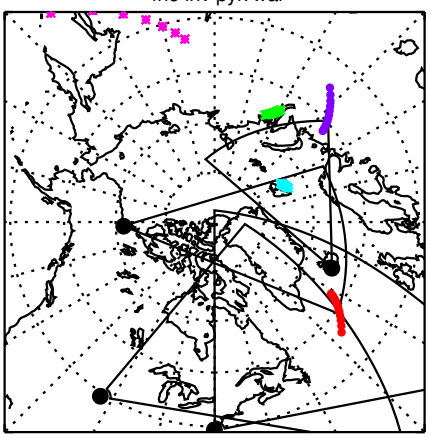


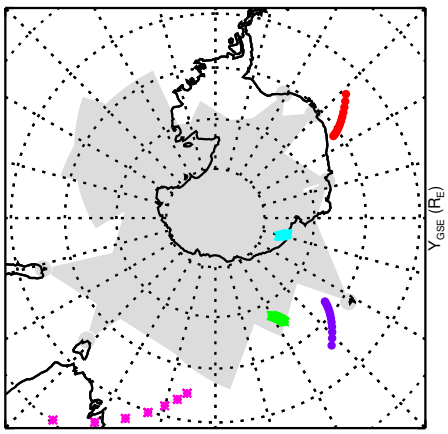
sye zho

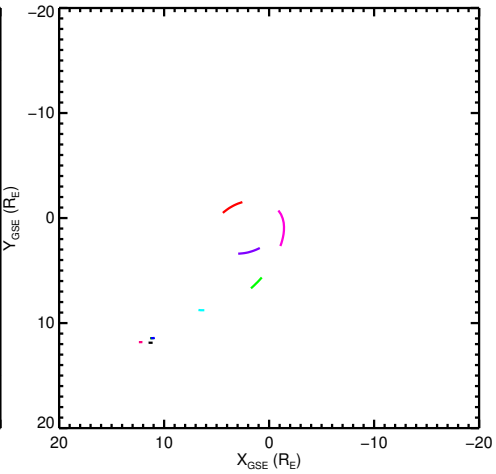




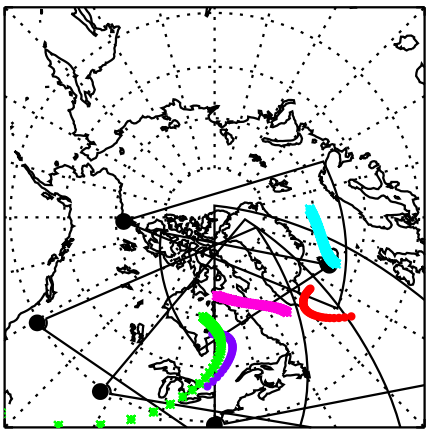
(d) 1135UT to 1235UT
fhe inv pyk wal



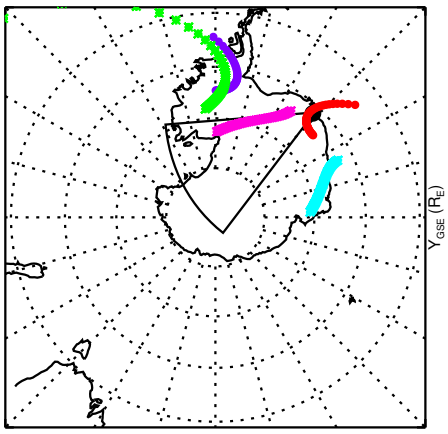


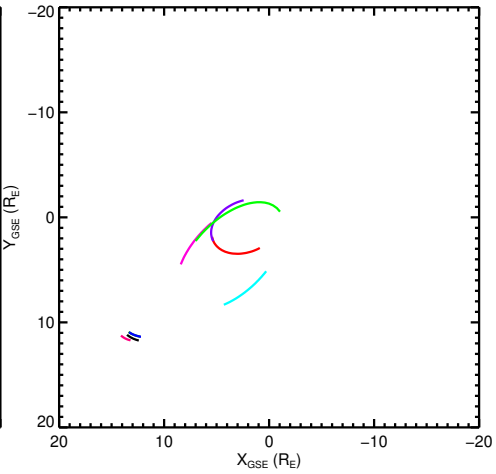


(e) 1440UT to 1825UT
cve fhe inv sto wal

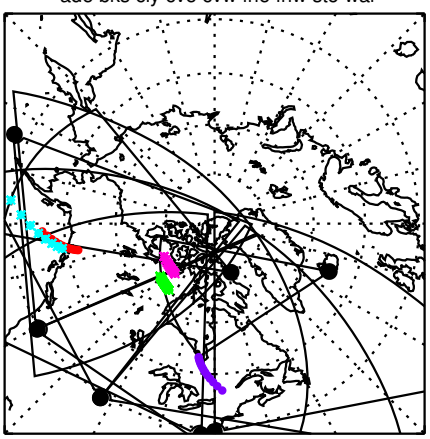


san

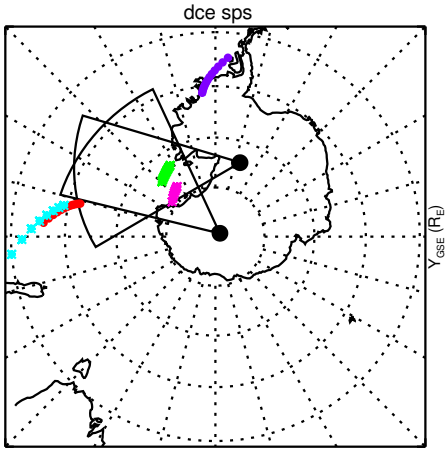


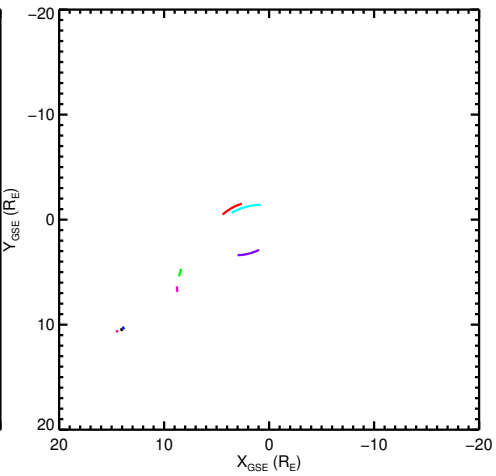


(f) 2035UT to 2135UT
ade bks cly cve cvw fhe fhw sto wal

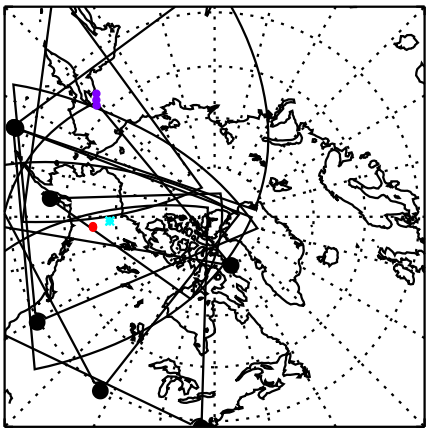


dce sps

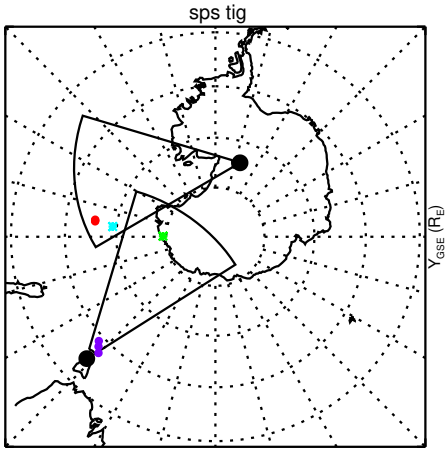


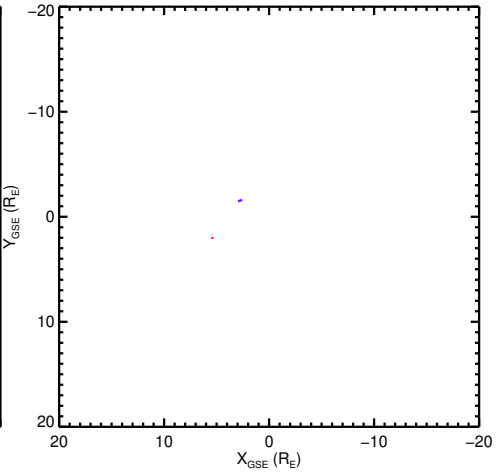


(g) 2345UT to 2355UT
ade adw bks cly cvw fhw hok kod



sps tig

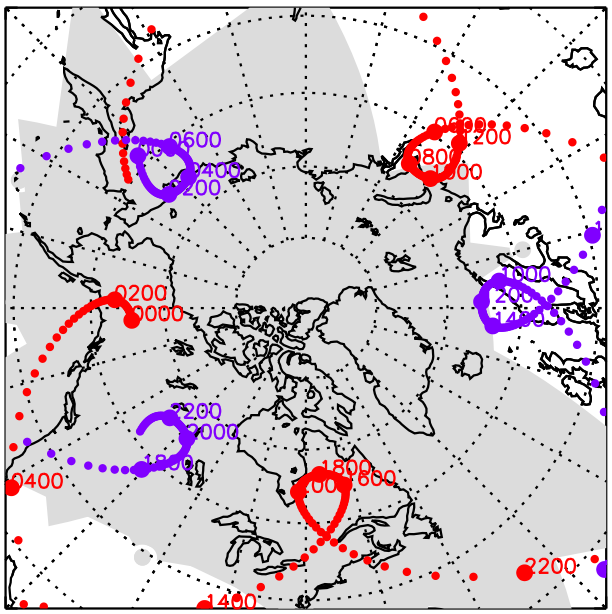


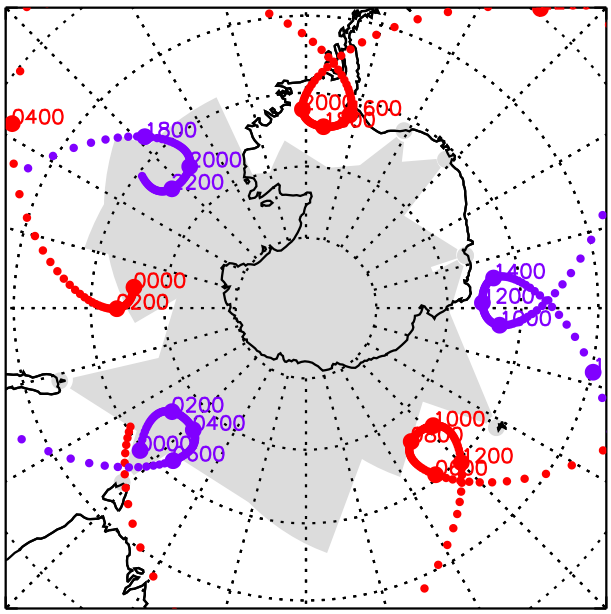


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

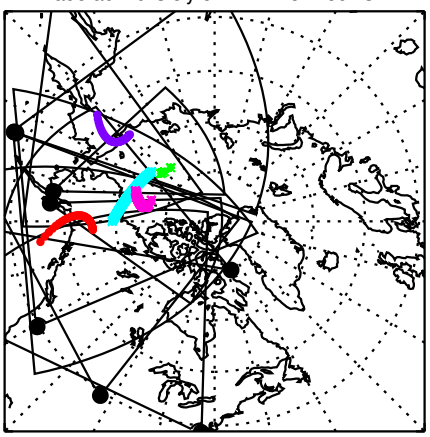
21–Jan–2014

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

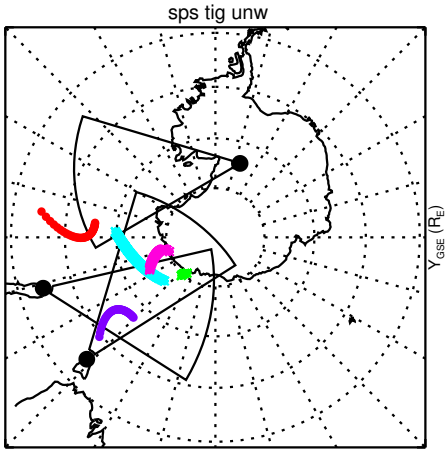


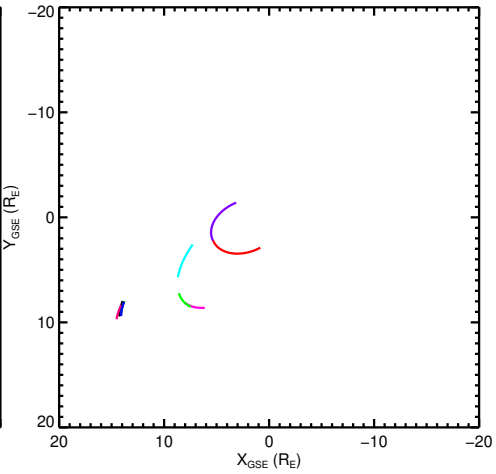


(a) 0000UT to 0325UT
ade adw bks cly cvw fhw hok kod ksr

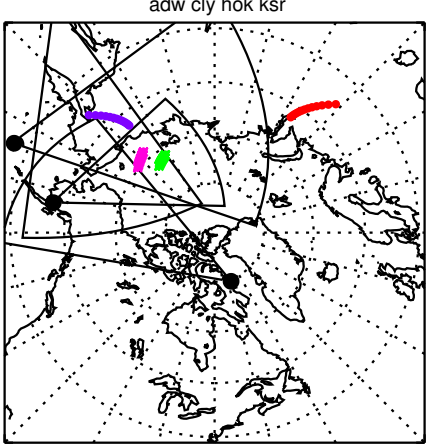


sps tig unw

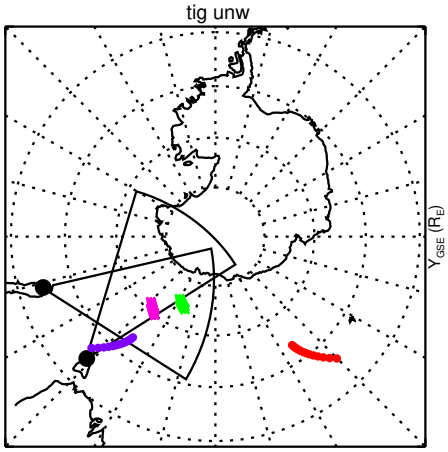


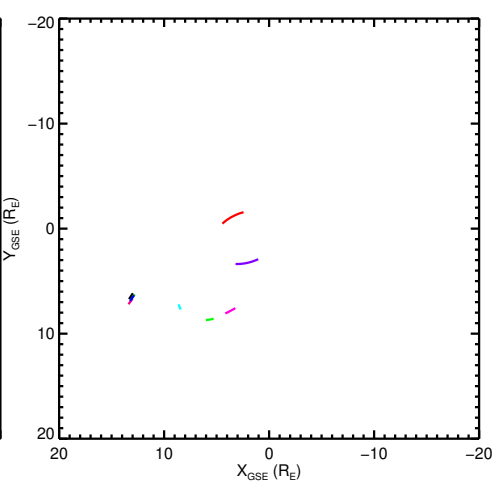


(b) 0530UT to 0635UT
adw cly hok ksr

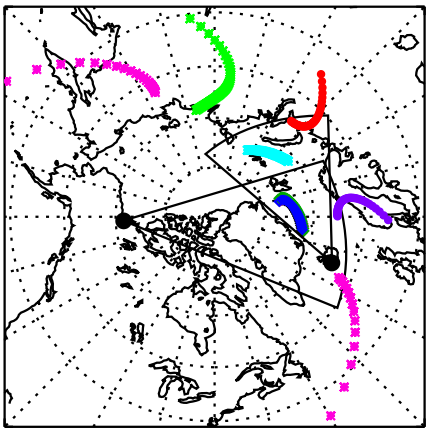


tig unw

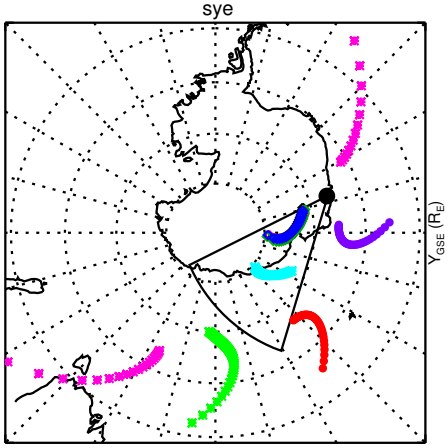


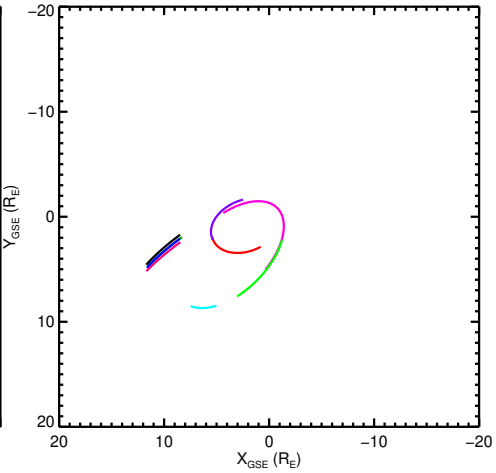


(c) 0845UT to 1225UT
inv pyk

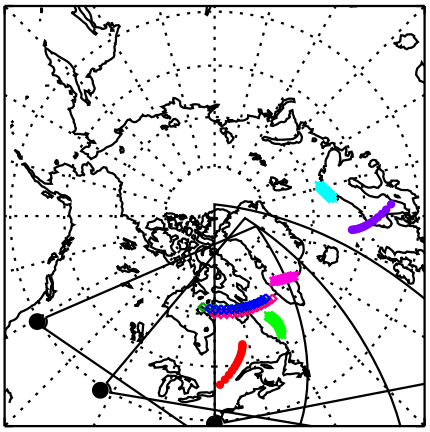


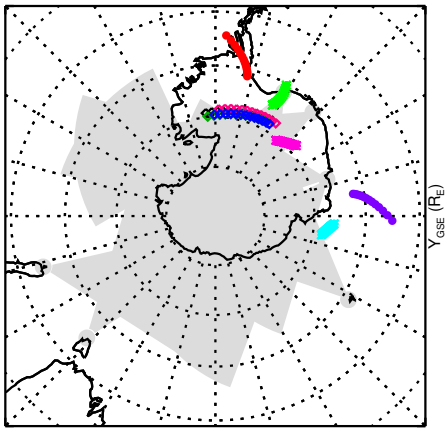
sye

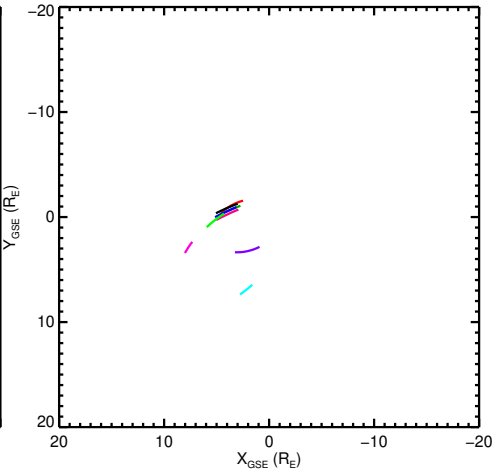




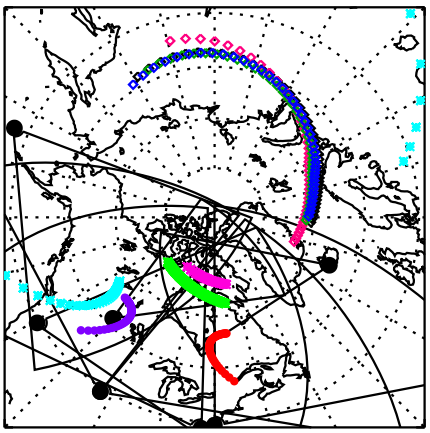
(d) 1430UT to 1540UT
cve fhe wal



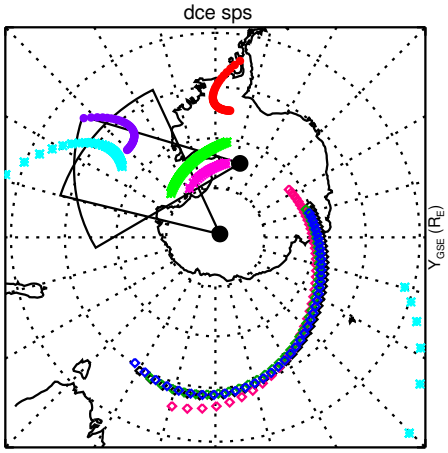


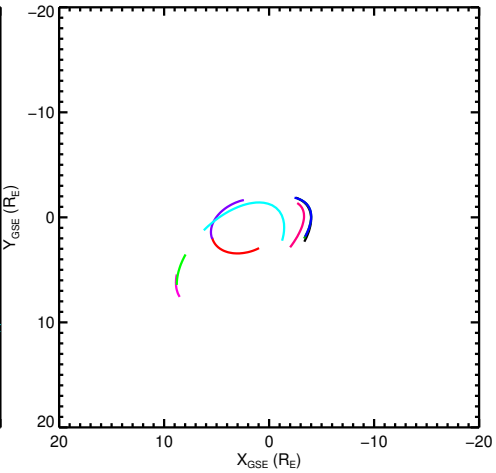


(e) 1745UT to 2120UT
ade bks cve fhe fhw sas sto wal

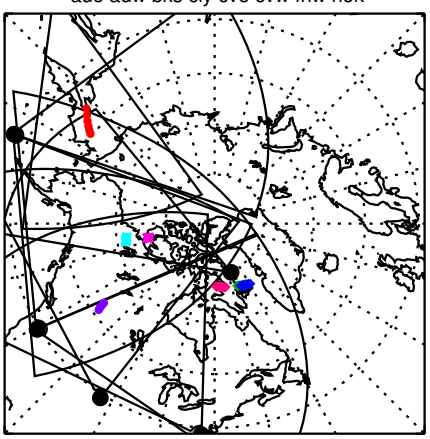


dce sps

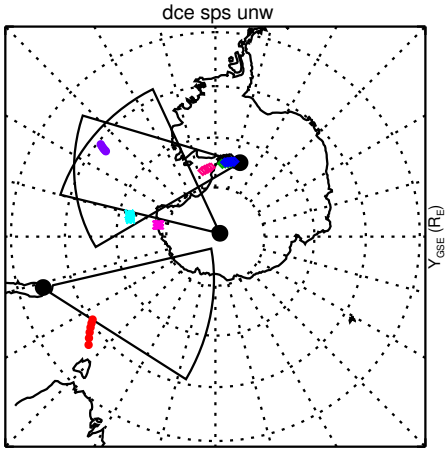


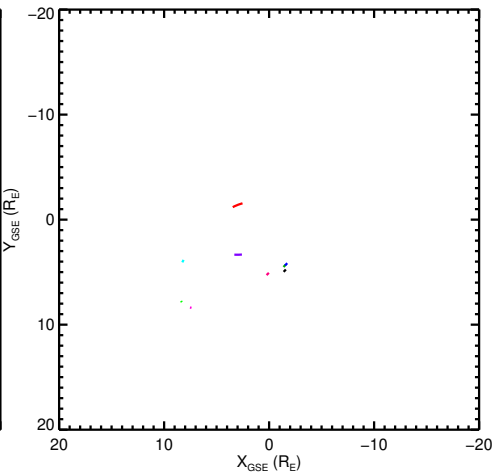


(f) 2330UT to 2355UT
ade adw bks cly cve cvw fhw hok



dce sps unw

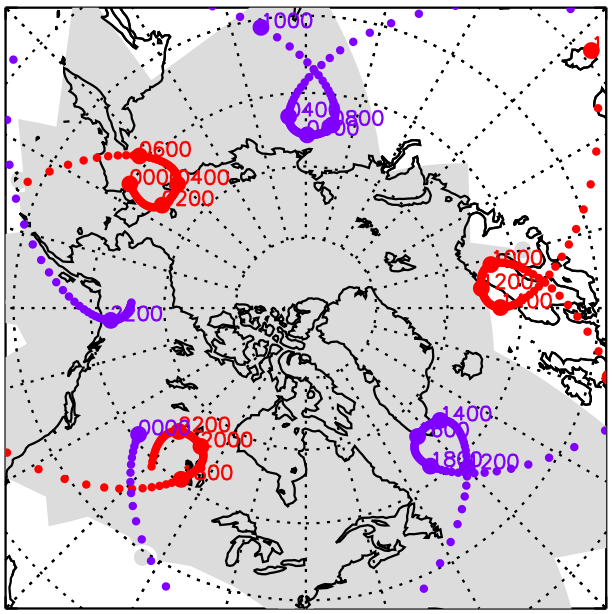


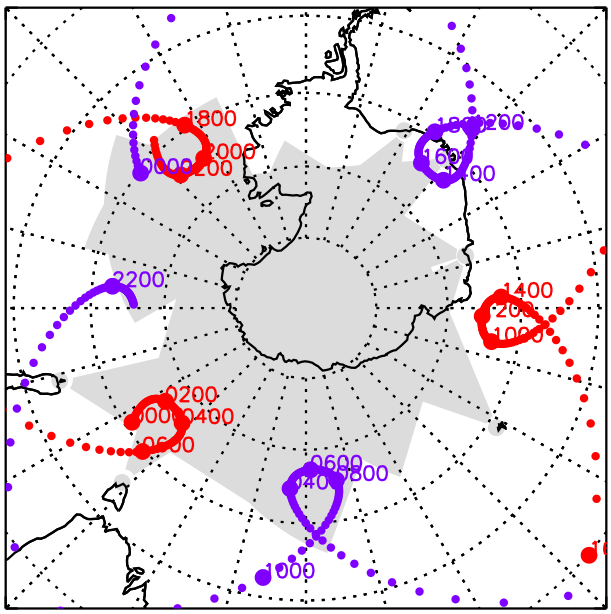


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

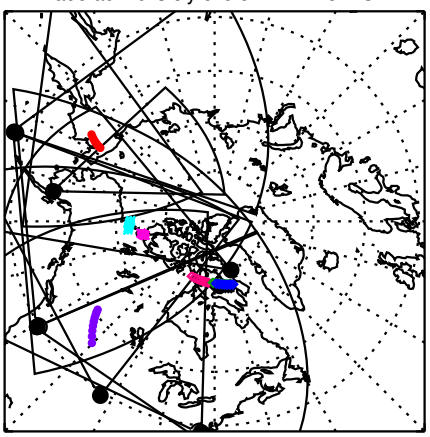
22–Jan–2014

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

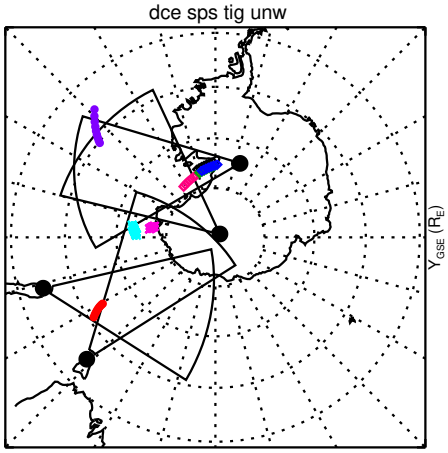


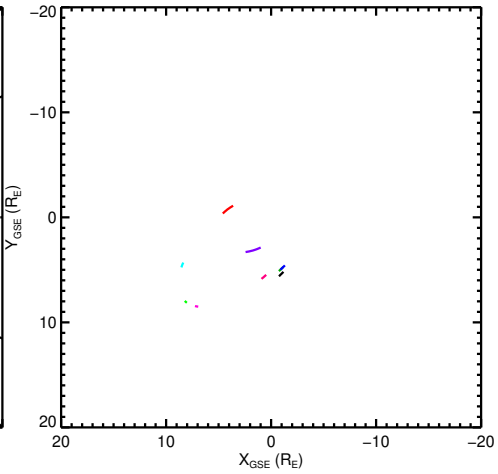


(a) 0000UT to 0040UT
ade adw bks cly cve cvw fhw hok ksr

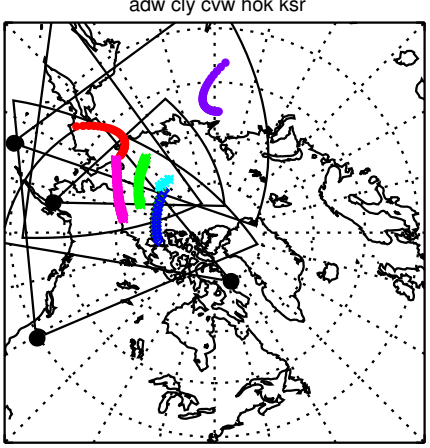


dce sps tig unw

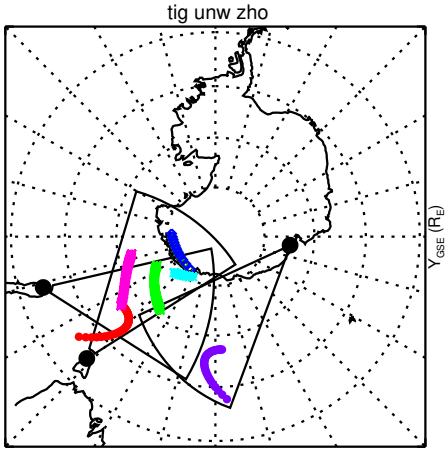


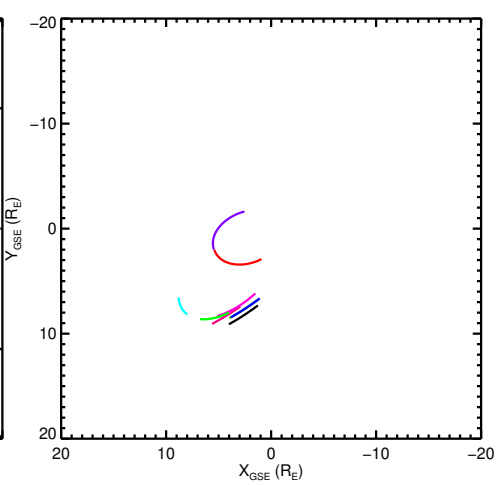


(b) 0250UT to 0620UT
adw cly cvw hok ksr

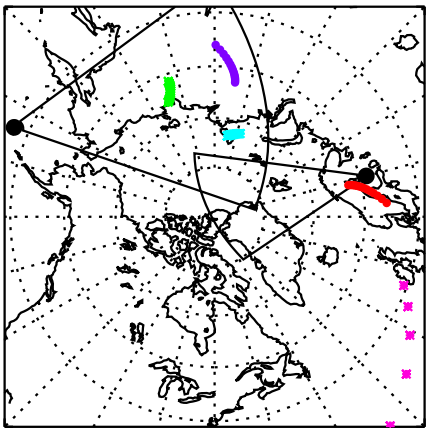


tig unw zho

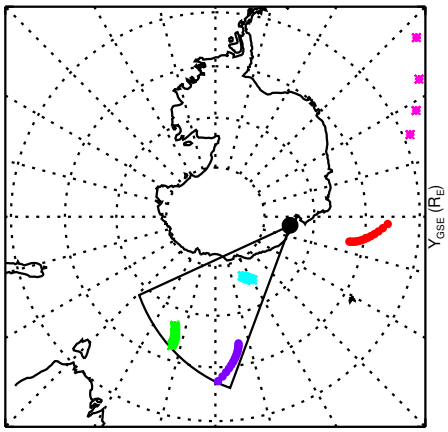


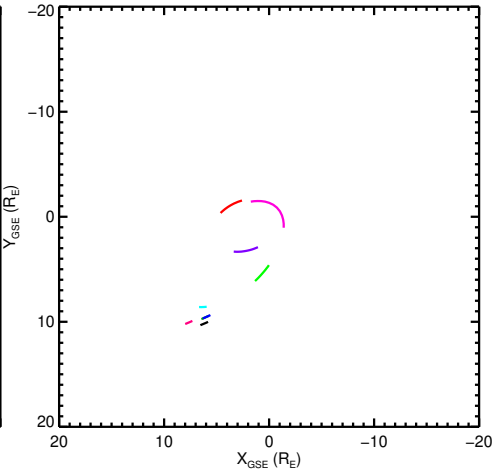


(c) 0830UT to 0940UT
adw han

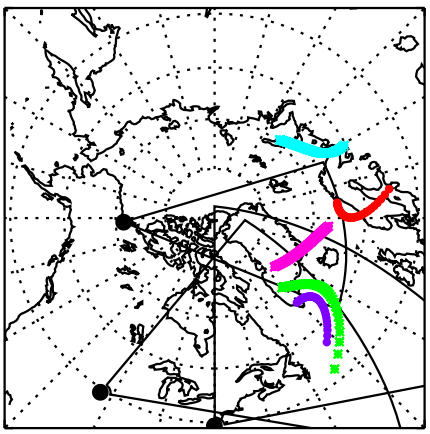


zho

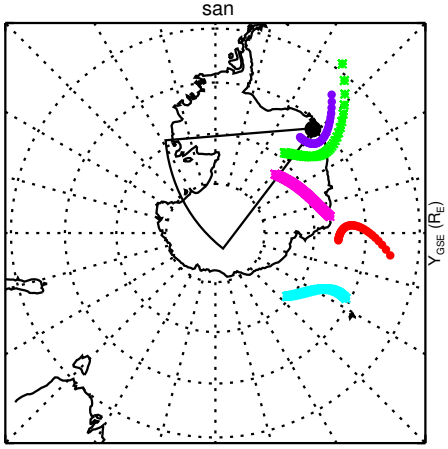


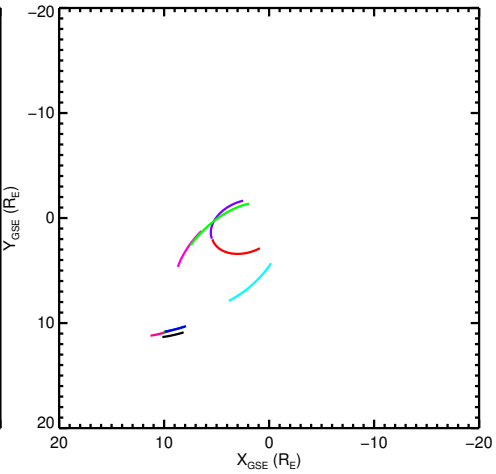


(d) 1150UT to 1520UT
fhe inv wal

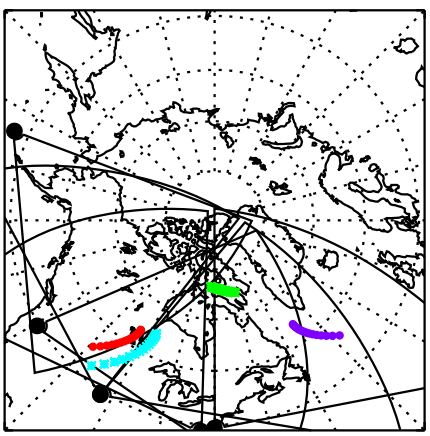


san

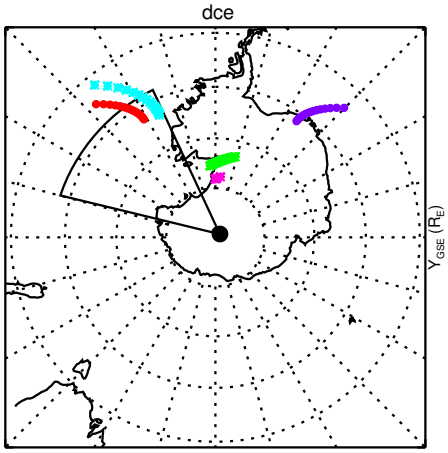


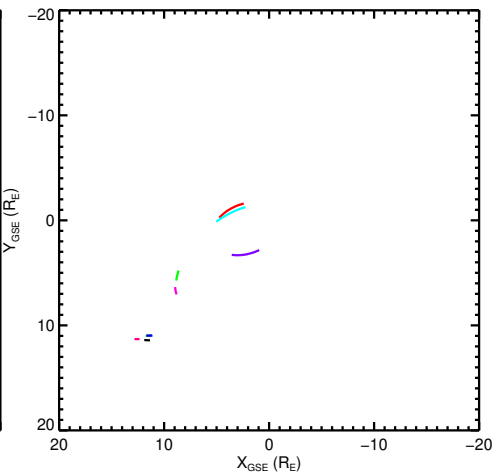


(e) 1725UT to 1845UT
ade bks cve fhe fhw wal

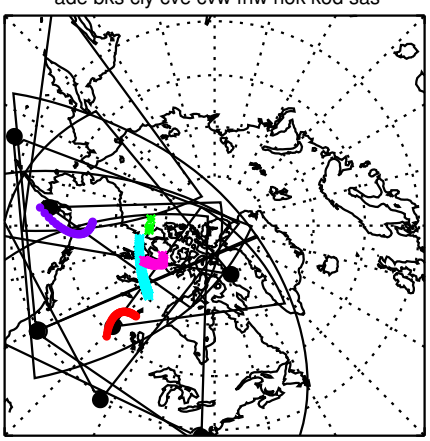


dce

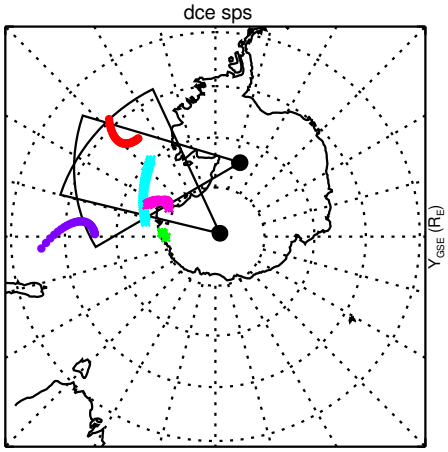


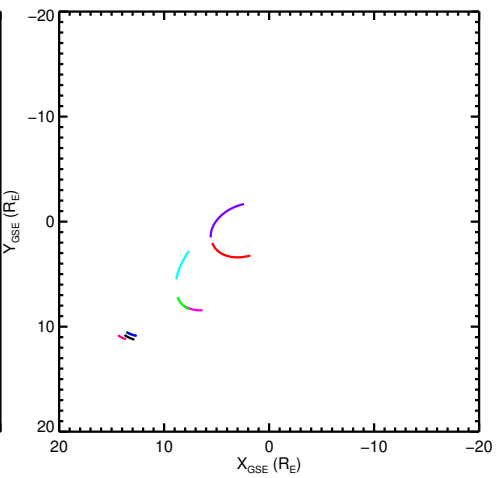


(f) 2050UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



dce sps

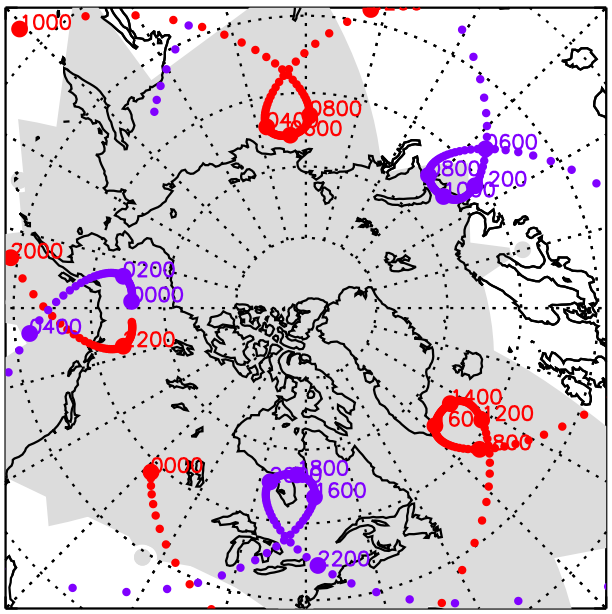


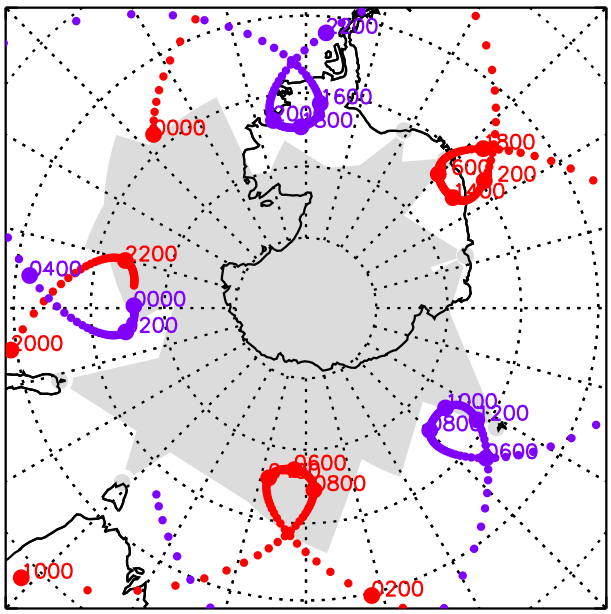


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

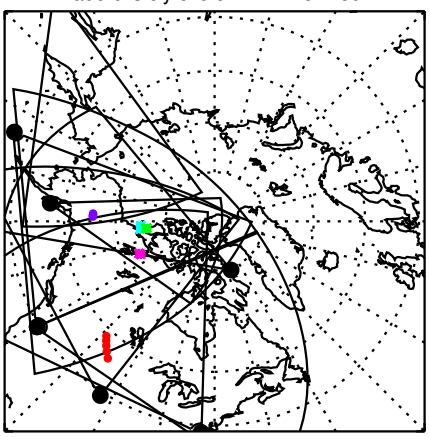
23–Jan–2014

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

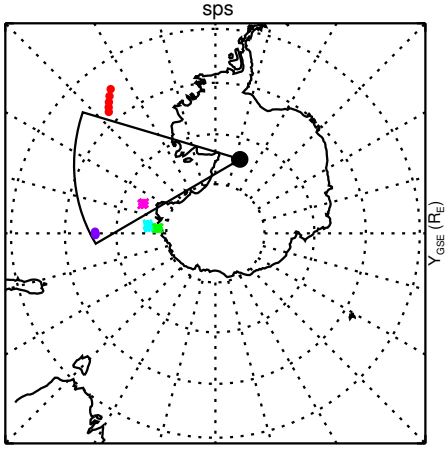


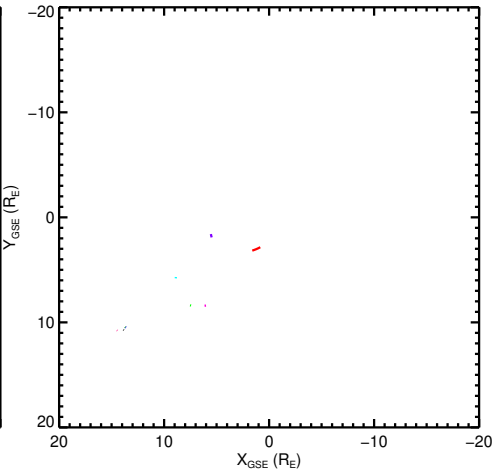


(a) 0000UT to 0020UT
ade bks cly cve cvw fhw hok kod

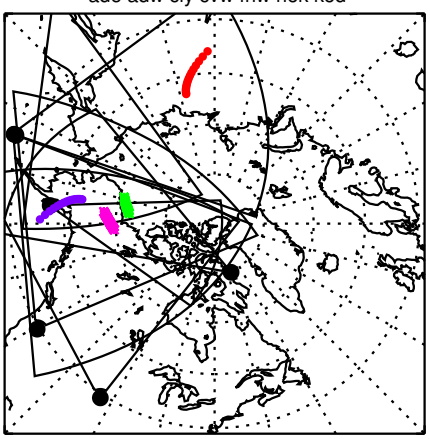


sps

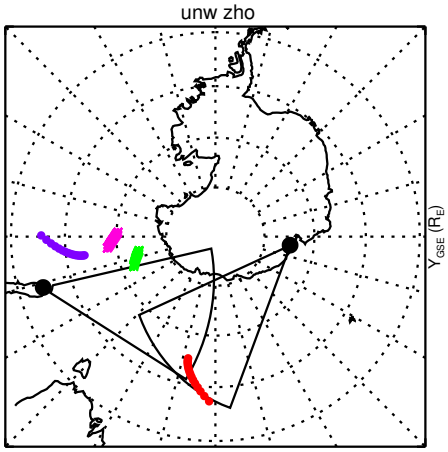


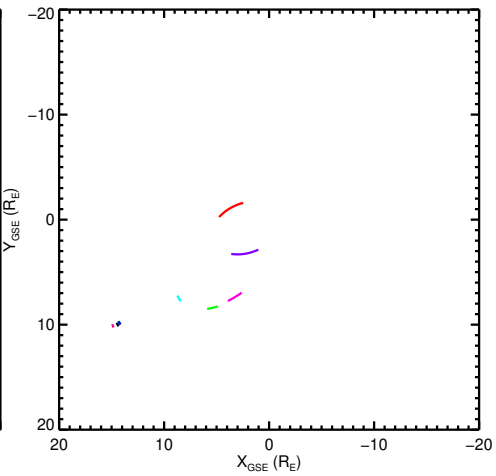


(b) 0225UT to 0345UT
ade adw cly cvw fhw hok kod

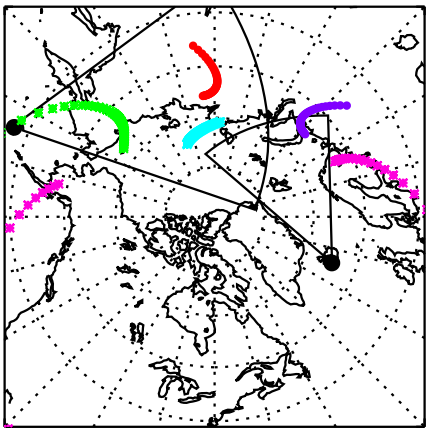


unw zho

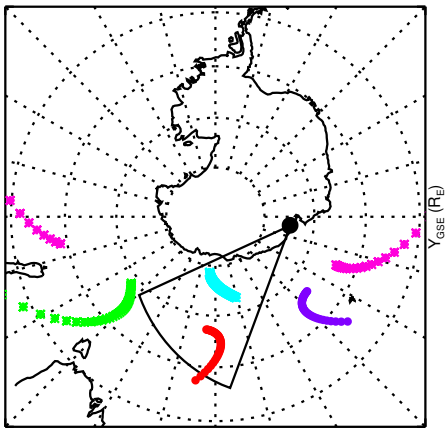


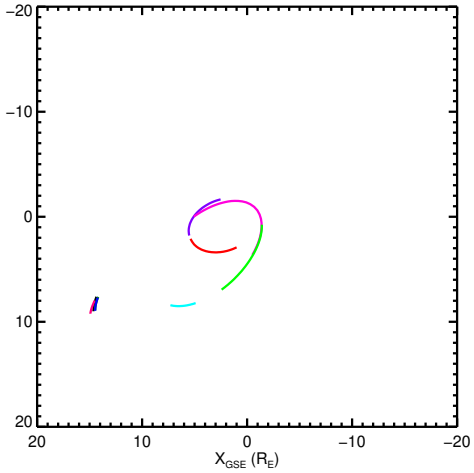


(c) 0555UT to 0915UT
adw pyk

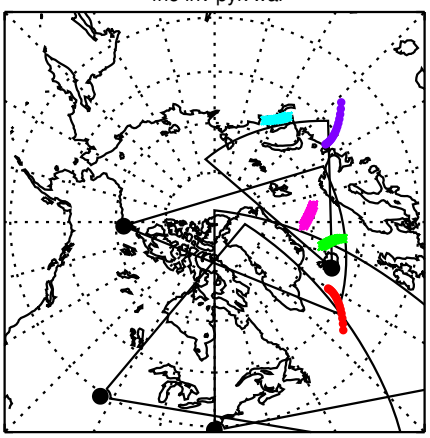


zho

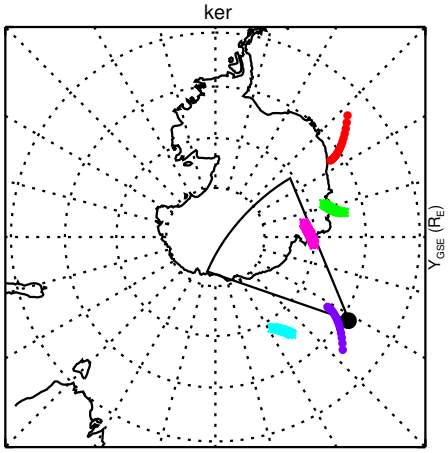


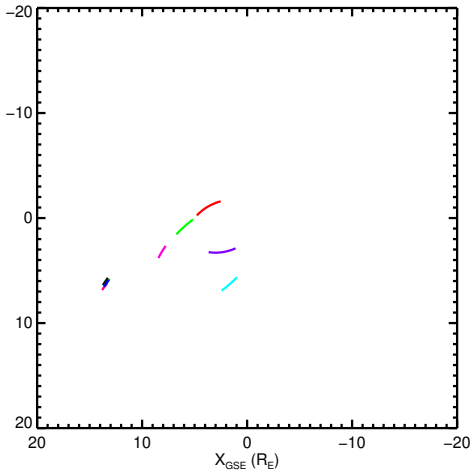


(d) 1125UT to 1245UT
fhe inv pyk wal

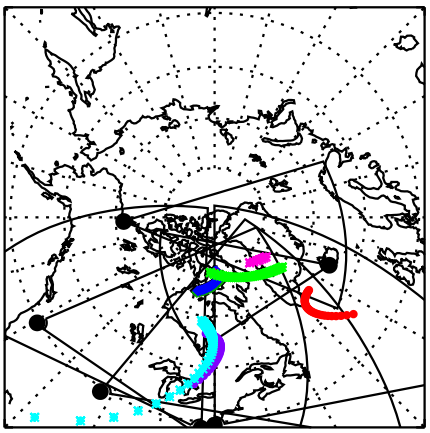


ker

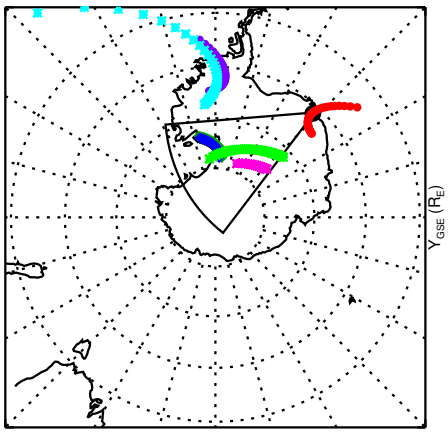


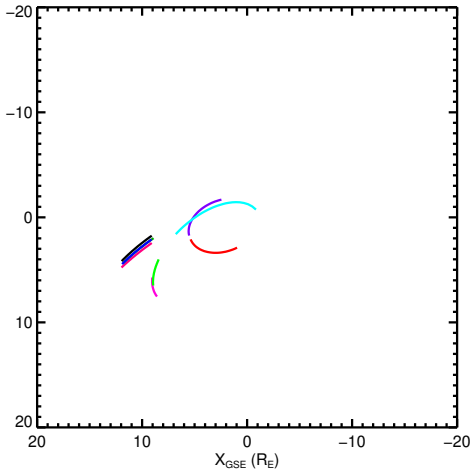


(e) 1455UT to 1815UT
bks cve fhe inv sto wal

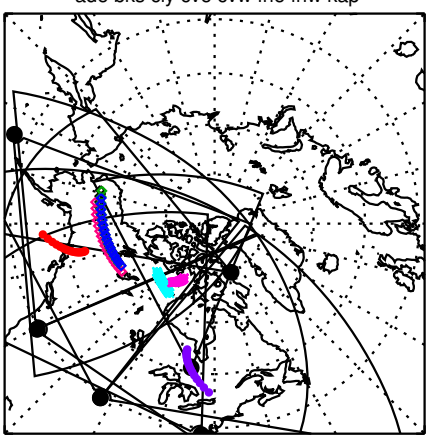


san

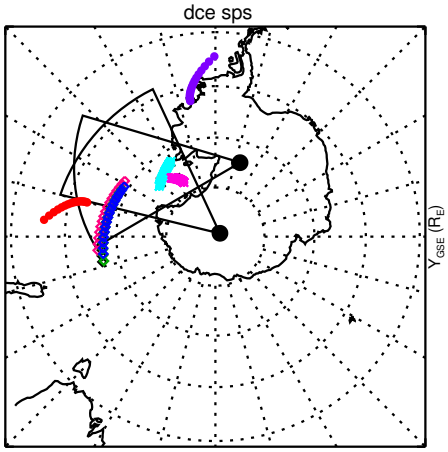


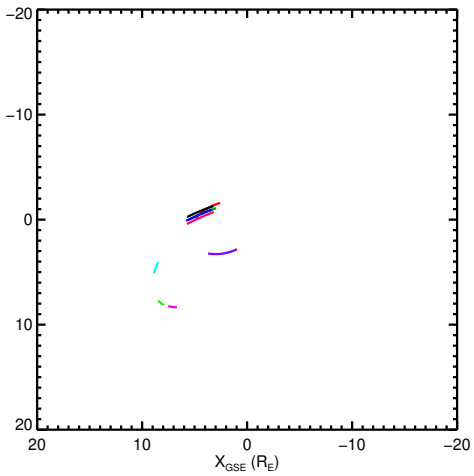


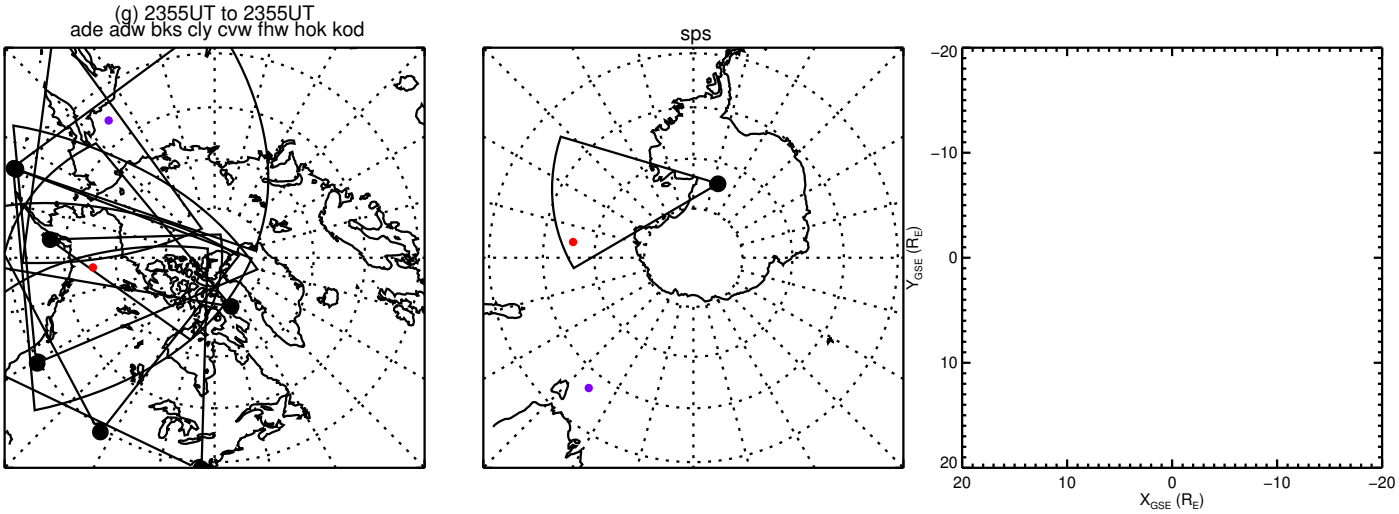
(f) 2025UT to 2150UT
ade bks cly cve cvw fhe fhw kap



dce sps



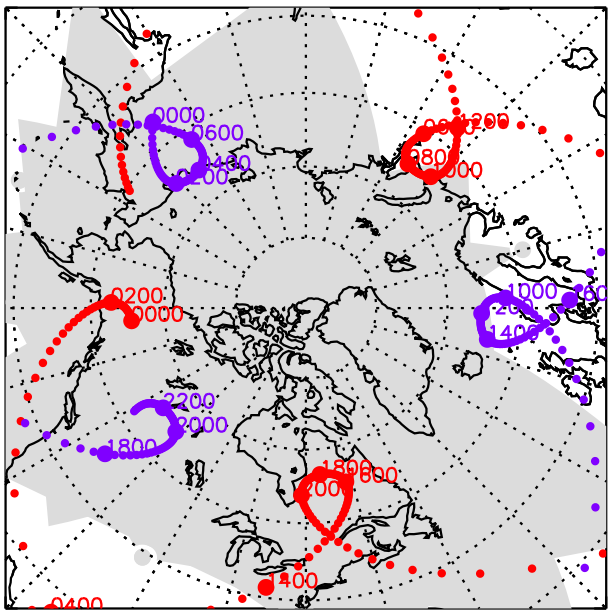


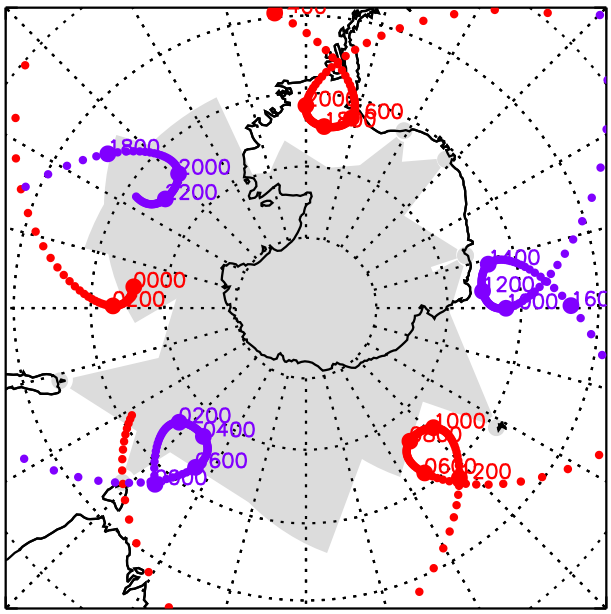

(g) 2355UT to 2355UT
ade adw bks cly cvw fhw hok kod
sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

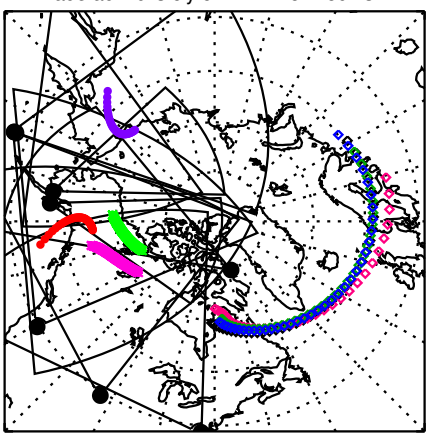
24–Jan–2014

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

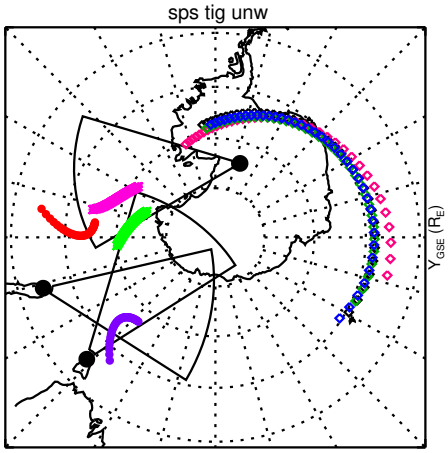


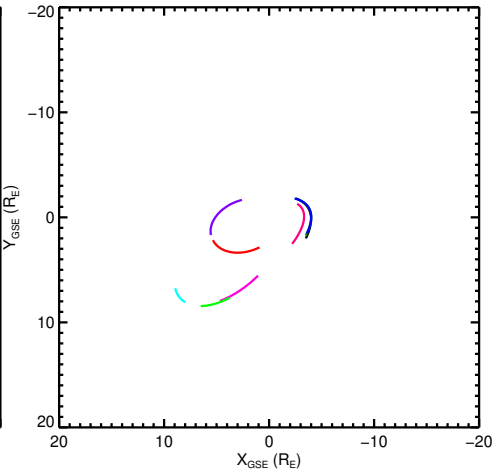


(a) 0000UT to 0315UT
ade adw bks cly cvw fhw hok kod ksr

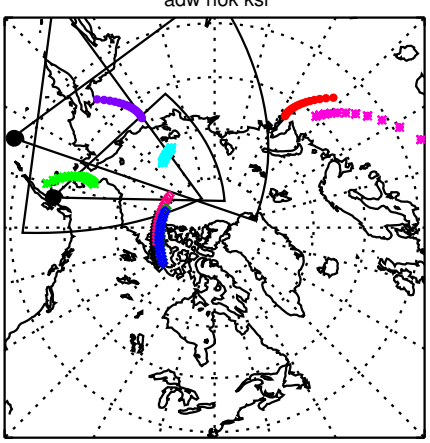


sps tig unw

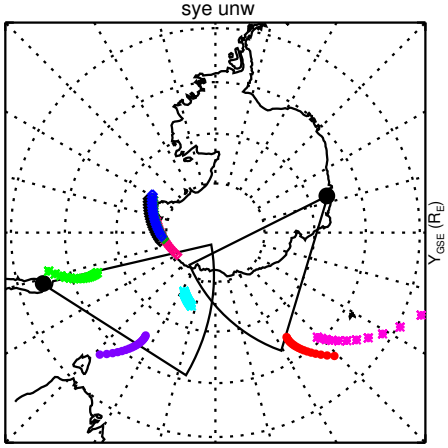


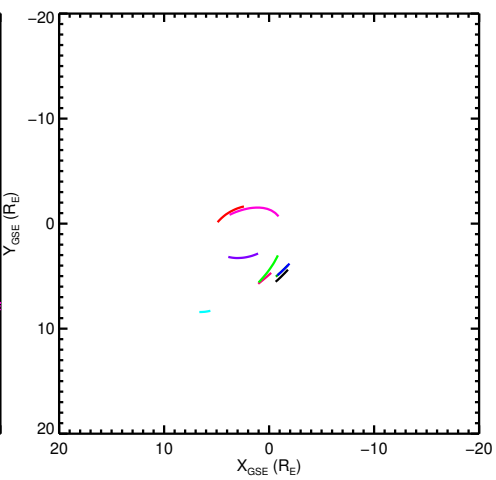


(b) 0520UT to 0650UT
adw hok ksr



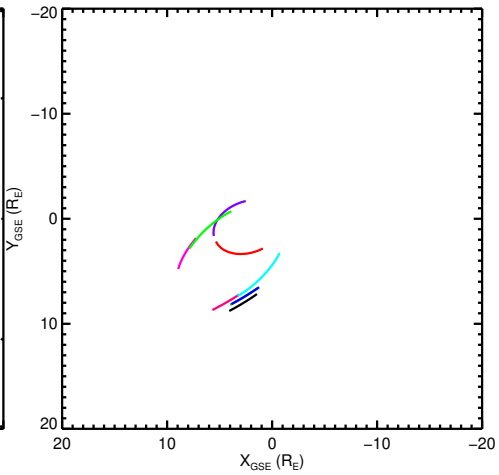
sye unw



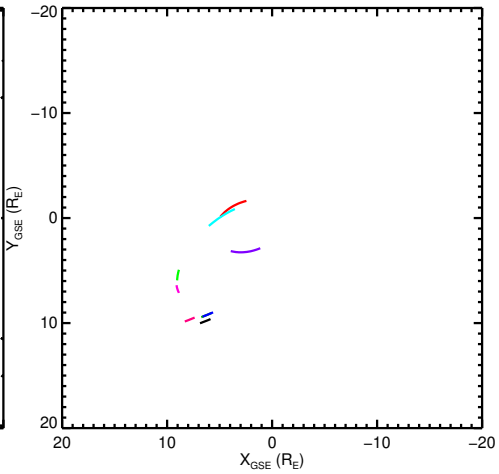


(c) 0900UT to 1215UT
inv pyk

sye

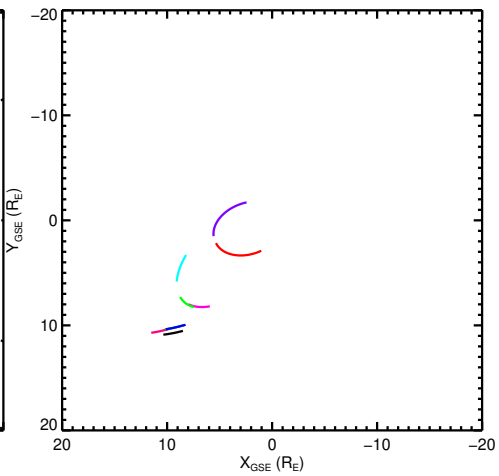


(d) 1420UT to 1550UT
cve fhe inv wal



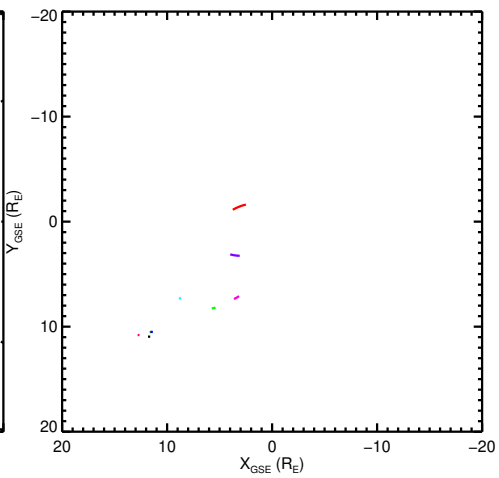
(e) 1800UT to 2110UT
ade bks cve fhe fhw sas sto wal

dce sps



(f) 2320UT to 2355UT
ade adw bks cly cvw fhw hok

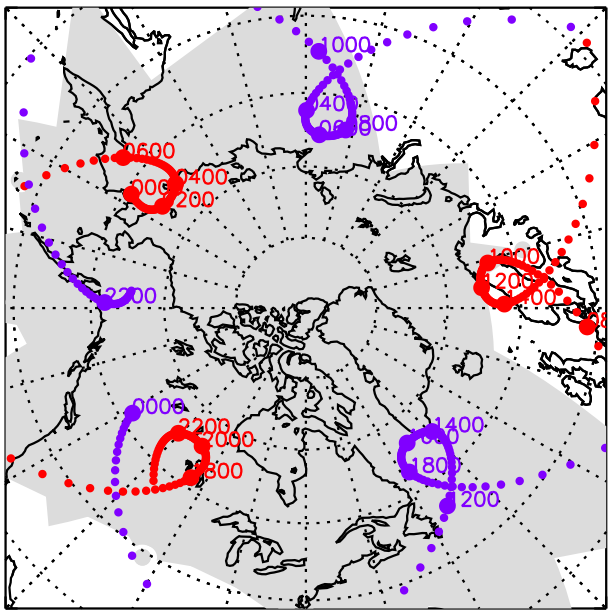
dce sps unw

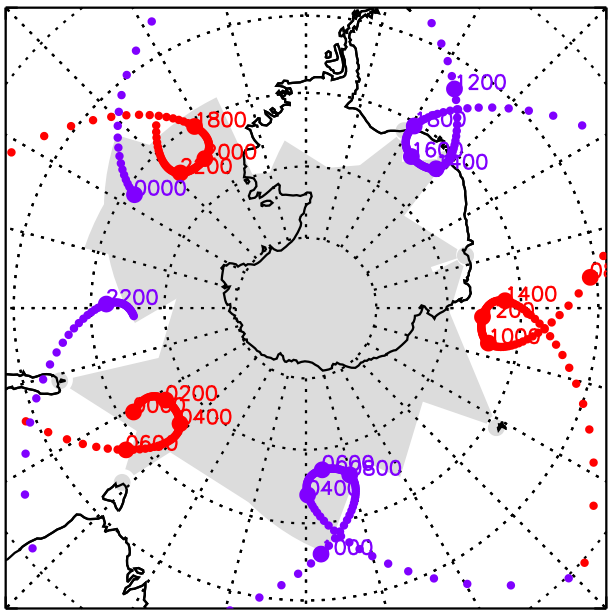


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

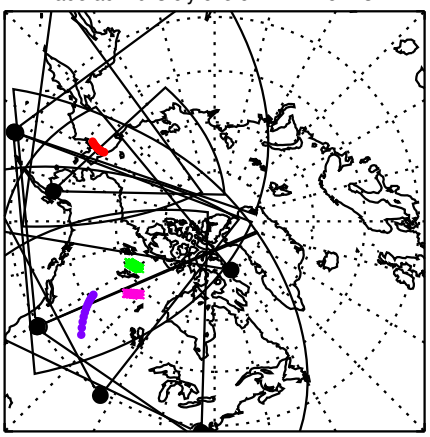
25–Jan–2014

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

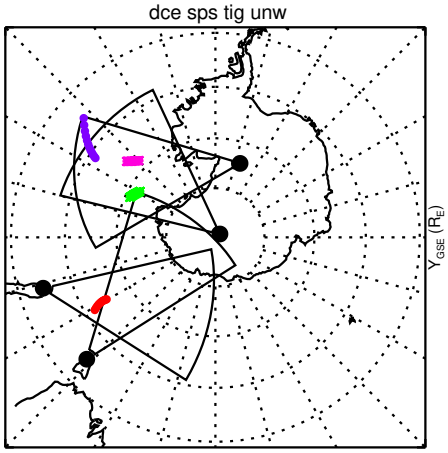


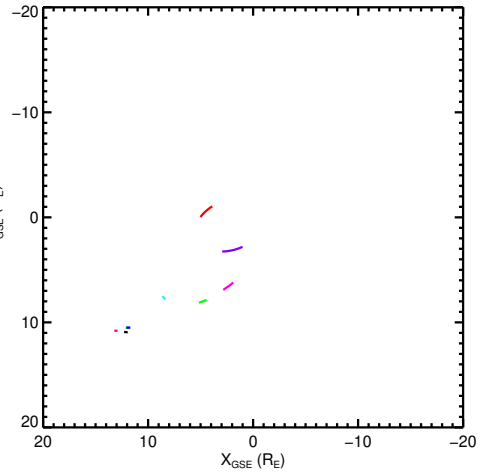


(a) 0000UT to 0055UT
ade adw bks cly cve cvw fhw hok ksr

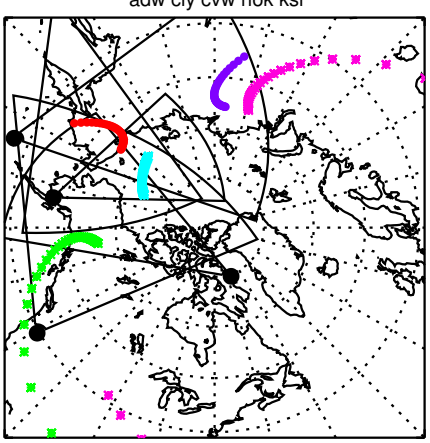


dce sps tig unw

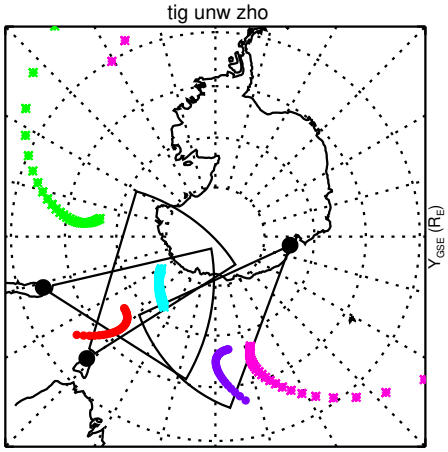


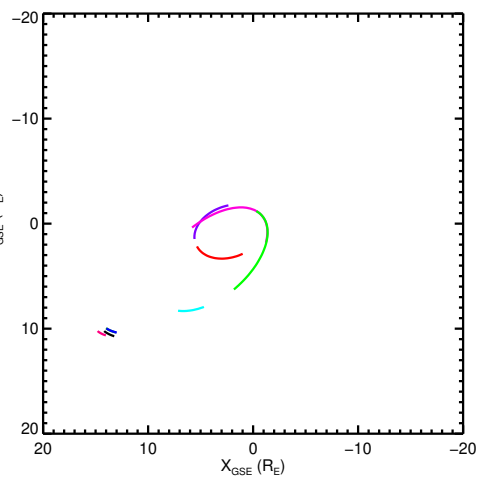


(b) 0300UT to 0610UT
adw cly cvw hok ksr

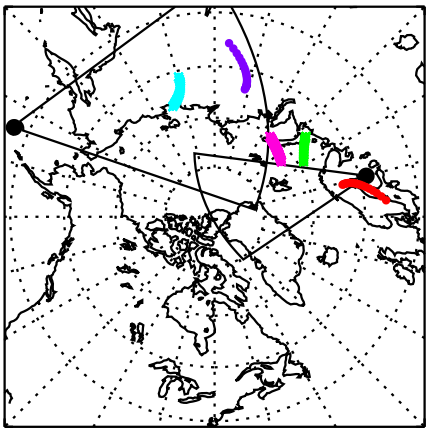


tig unw zho

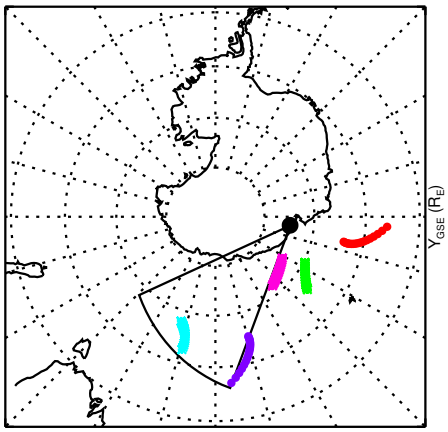


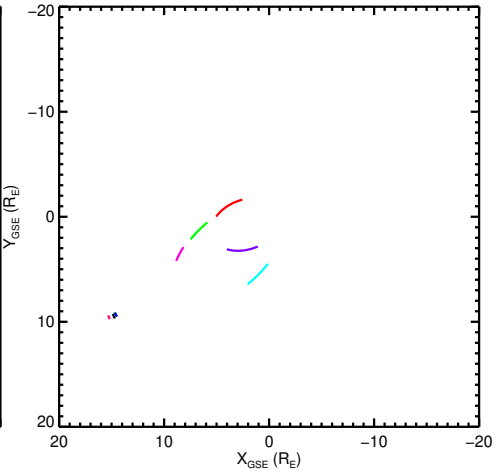


(c) 0820UT to 0955UT
adw han

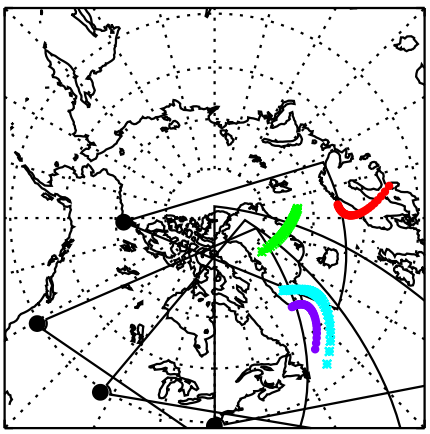


zho

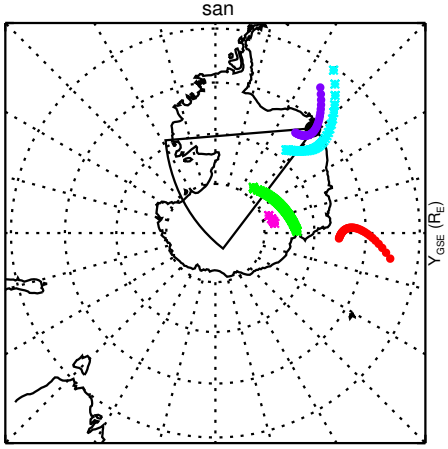


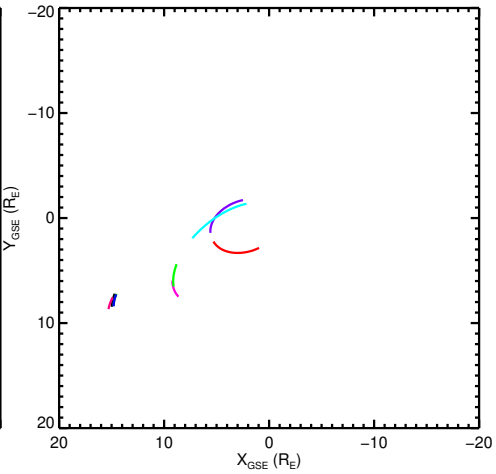


(d) 1205UT to 1510UT
cve fhe inv wal

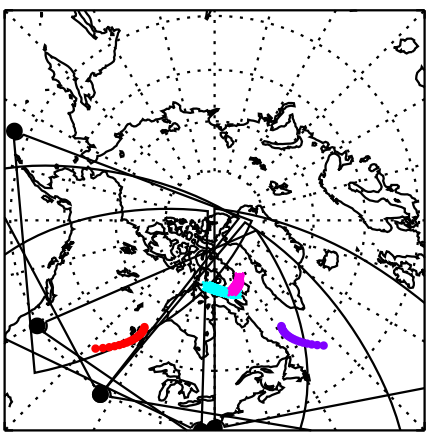


san

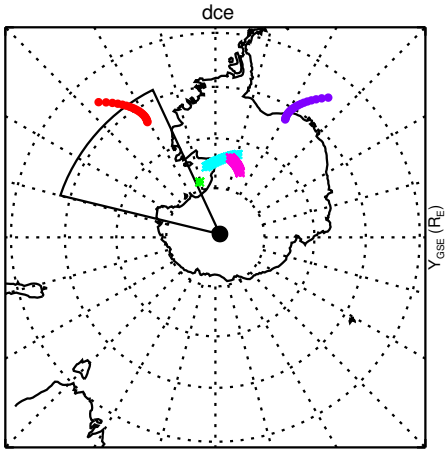


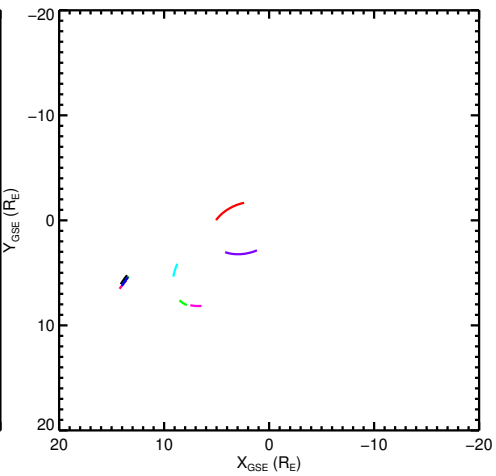


(e) 1715UT to 1855UT
ade bks cve fhe fhw wal

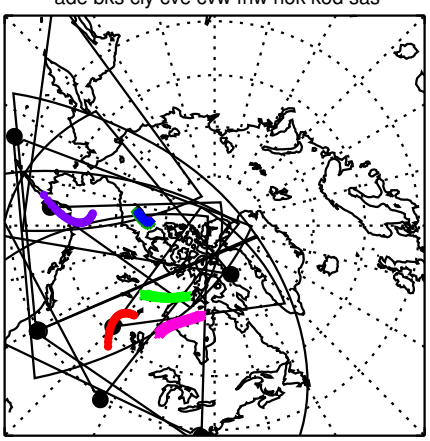


dce

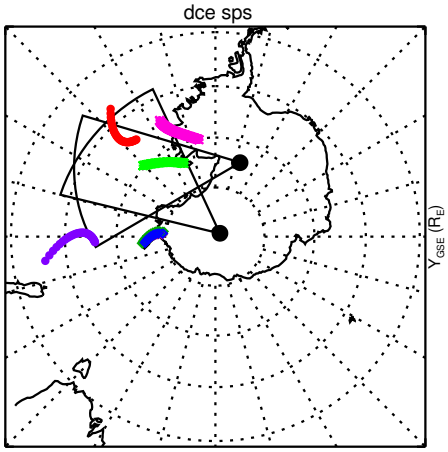


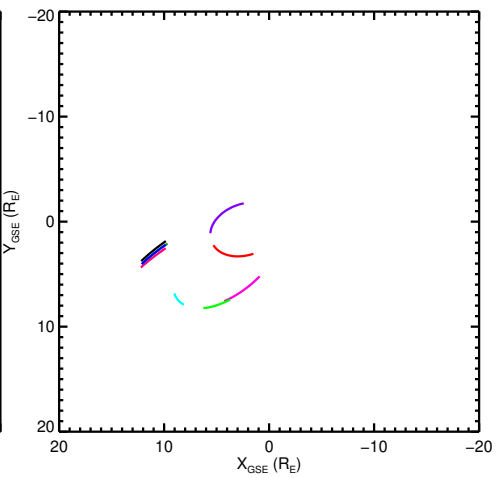


(f) 2105UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



dce sps

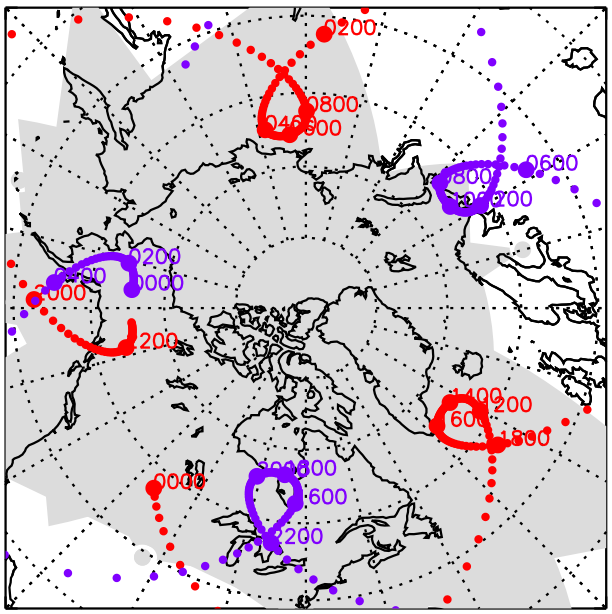


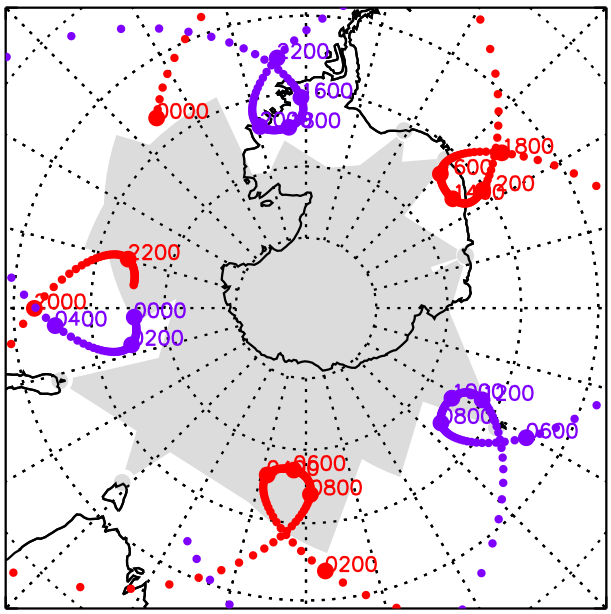


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

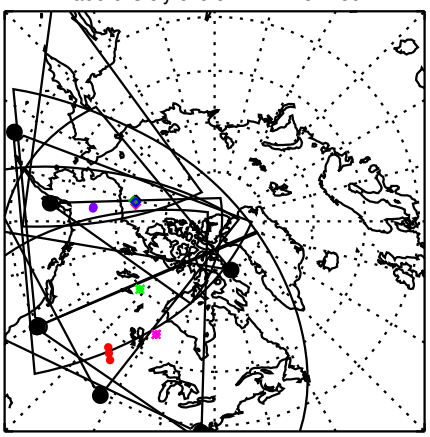
26–Jan–2014

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

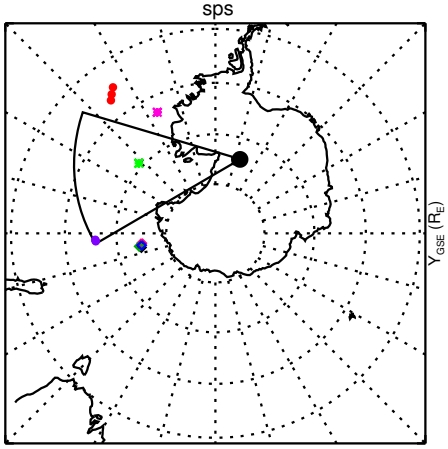


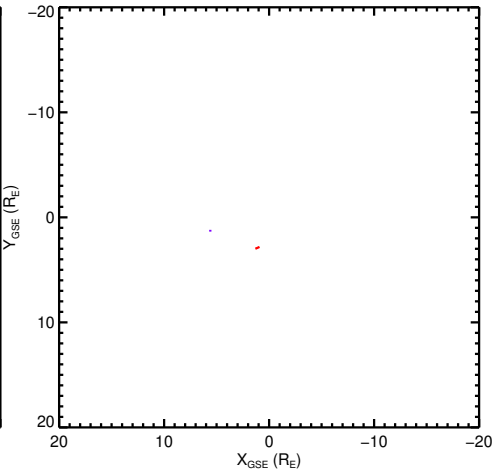


(a) 0000UT to 0010UT
ade bks cly cve cvw fhw hok kod

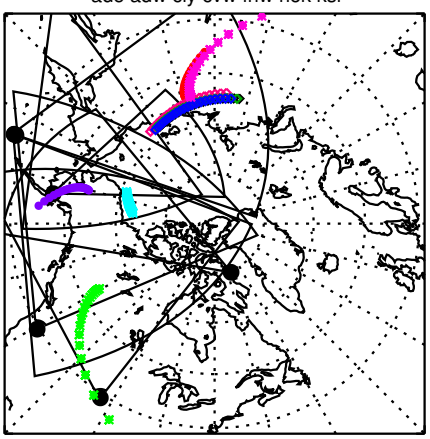


sps

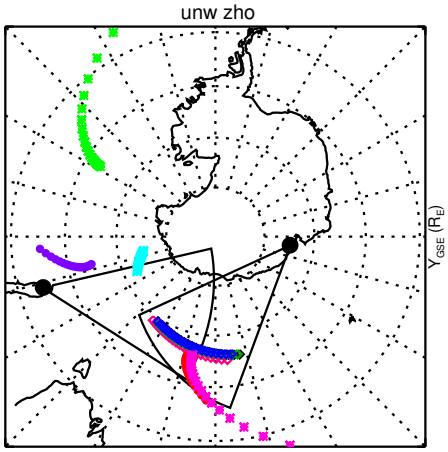


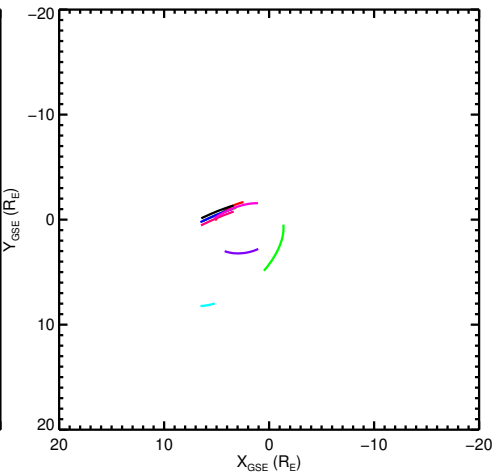


(b) 0215UT to 0400UT
ade adw cly cvw fhw hok ksr

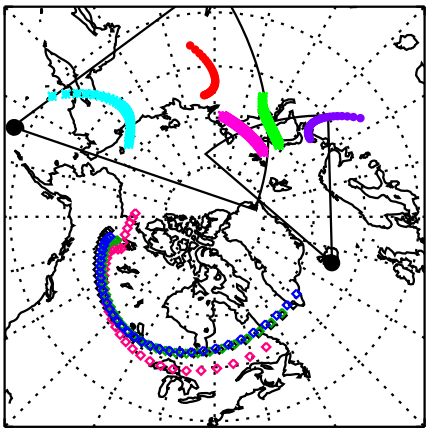


unw zho

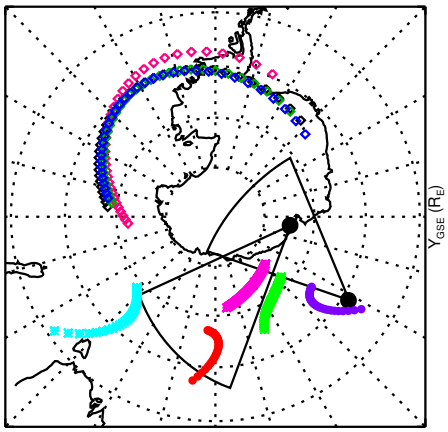


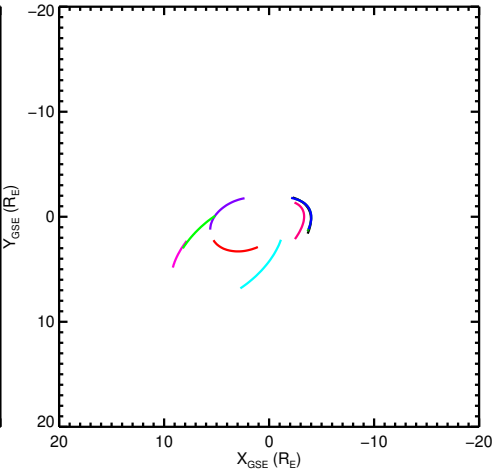


(c) 0605UT to 0905UT
adw pyk

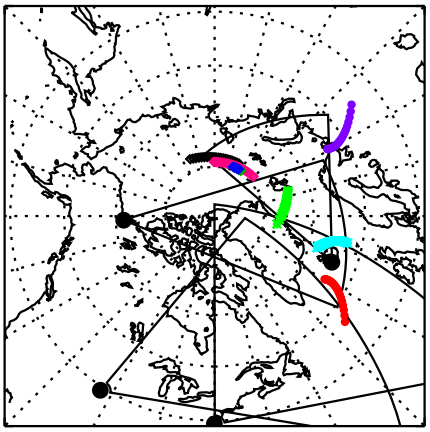


ker zho

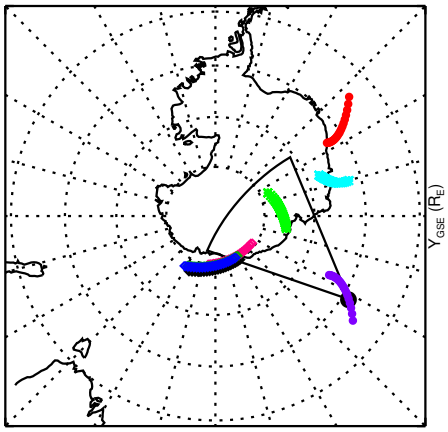


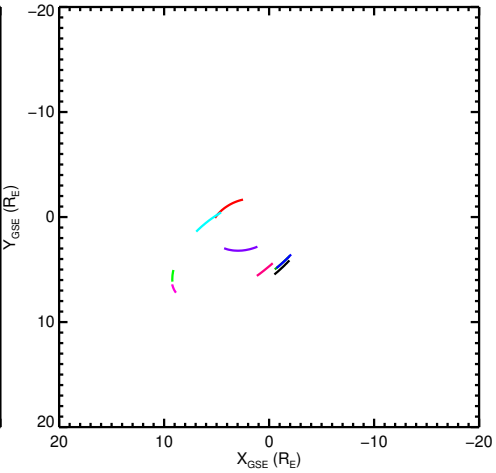


(d) 1115UT to 1300UT
fhe inv pyk wal

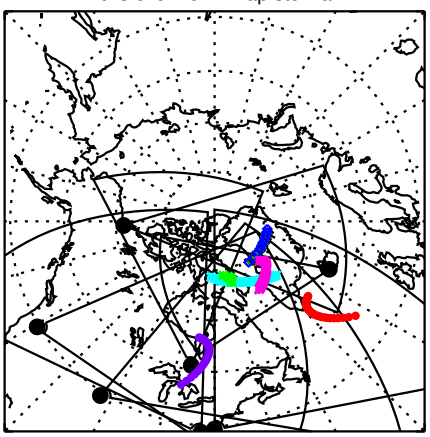


ker

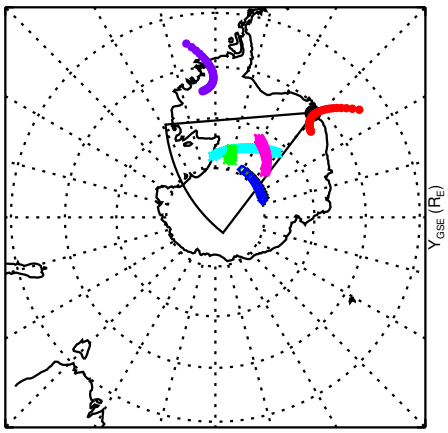


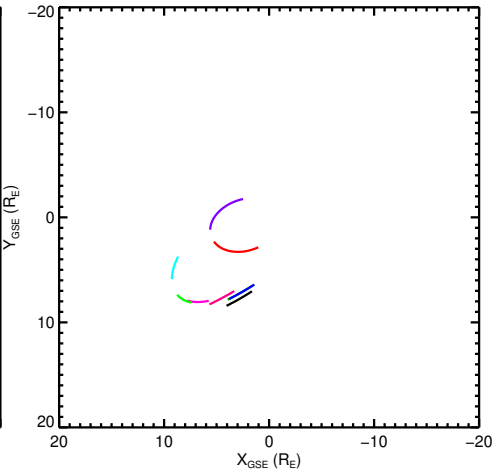


(e) 1510UT to 1805UT
bks cve fhe inv kap sto wal

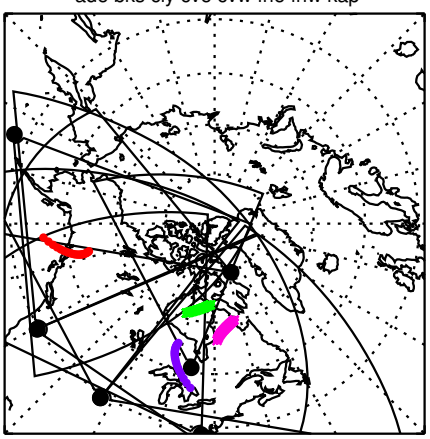


san

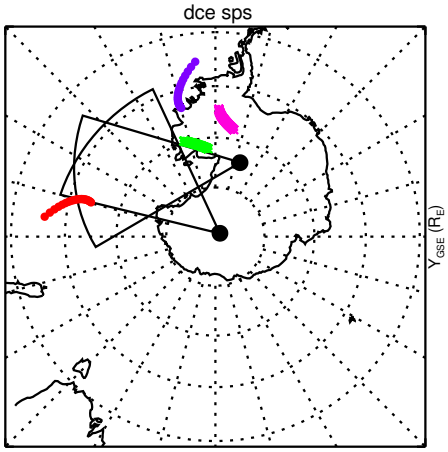


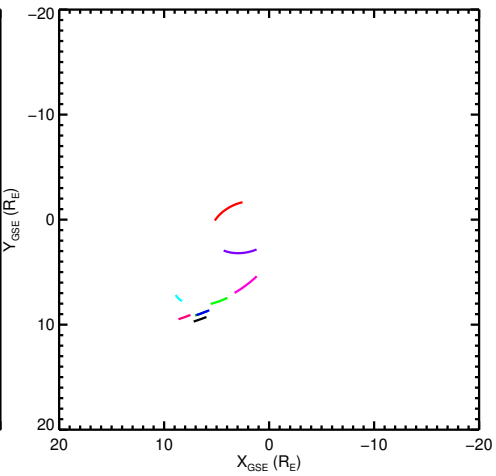


(f) 2015UT to 2200UT
ade bks cly cve cvw fhe fhw kap



dce sps

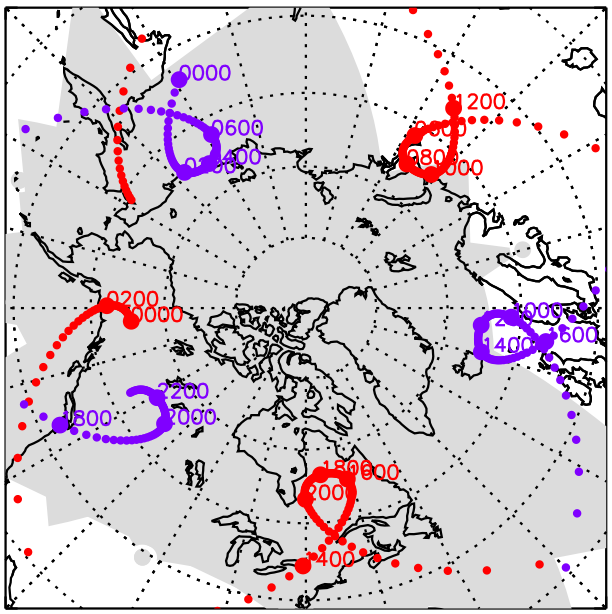


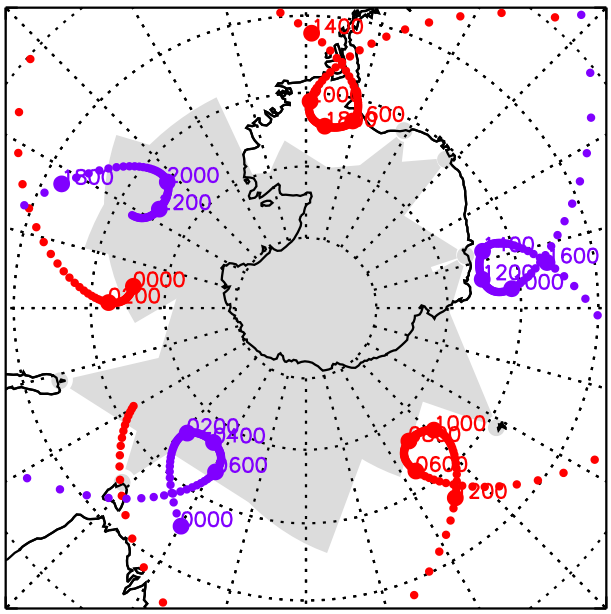


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

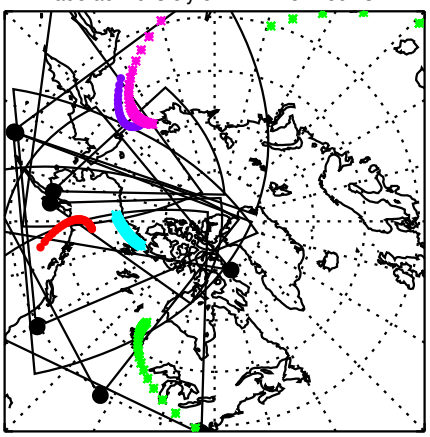
27–Jan–2014

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

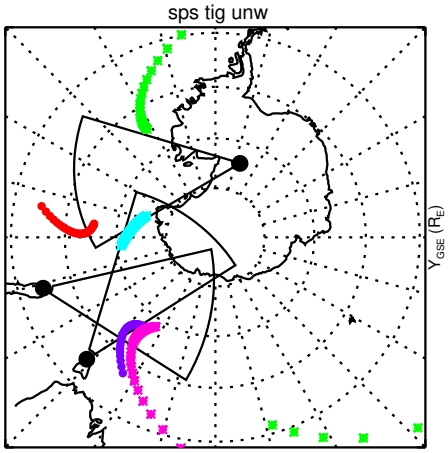


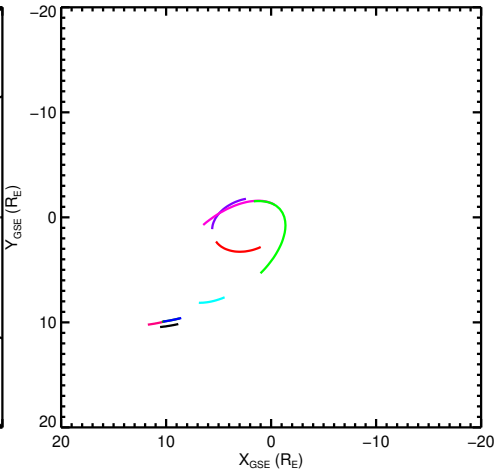


(a) 0010UT to 0305UT
ade adw bks cly cvw fhw hok kod ksr

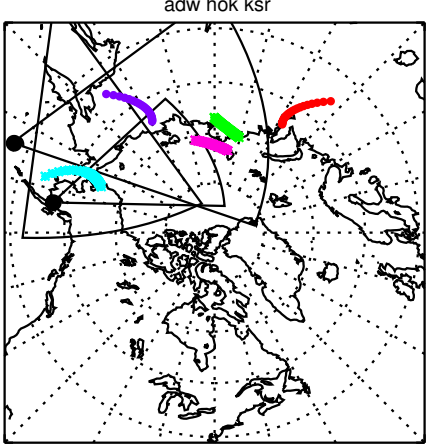


sps tig unw

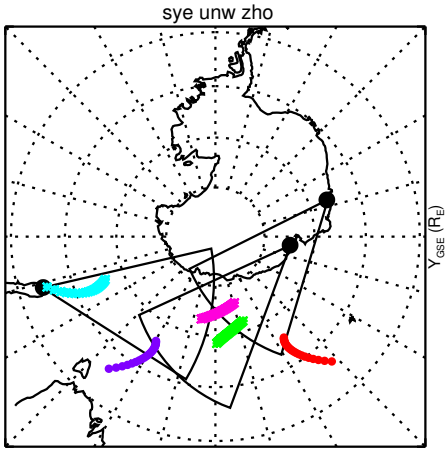


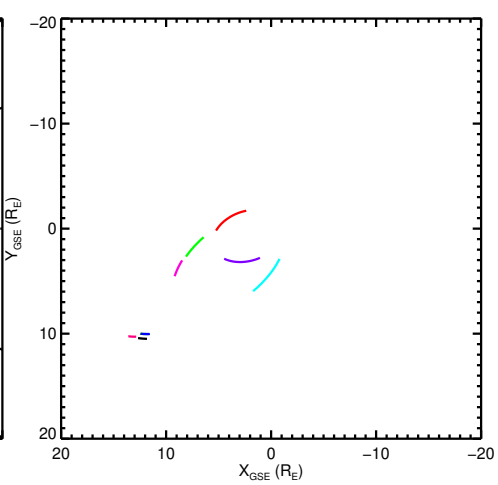


(b) 0510UT to 0705UT
adw hok ksr

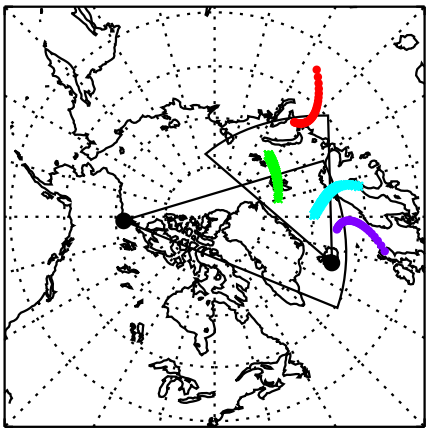


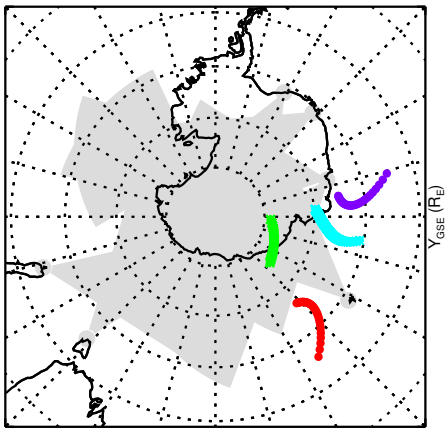
sye unw zho

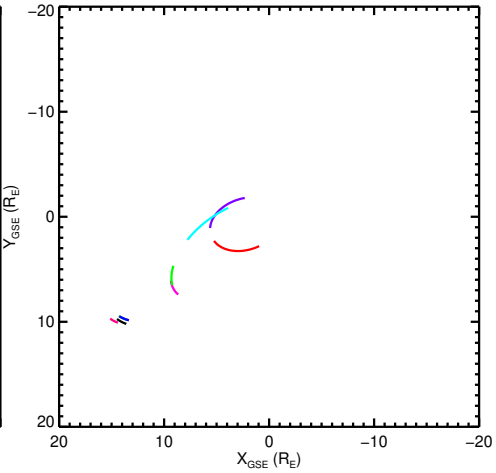




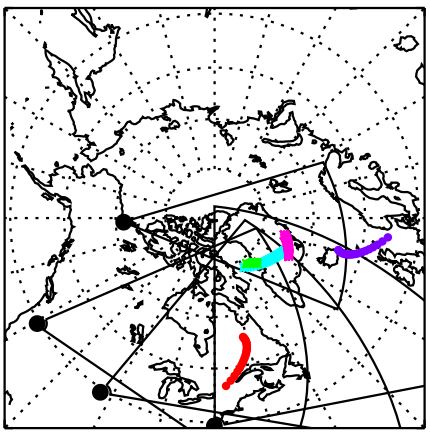
(c) 0910UT to 1205UT
inv pyk

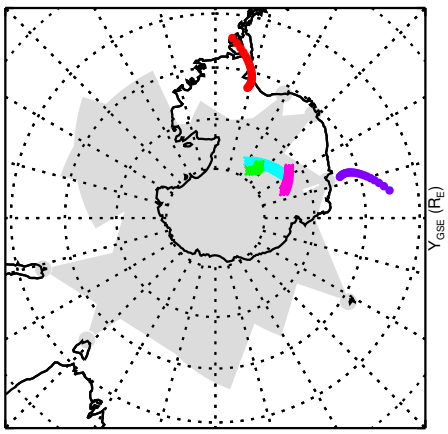


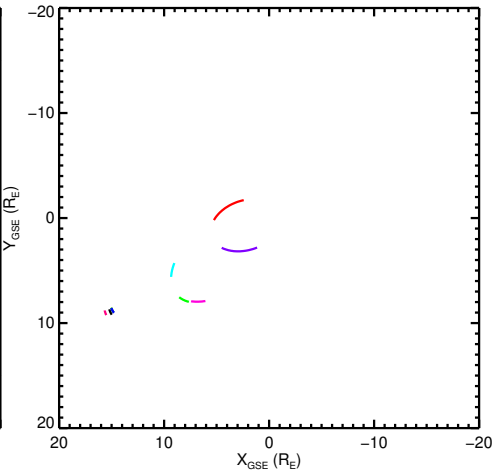




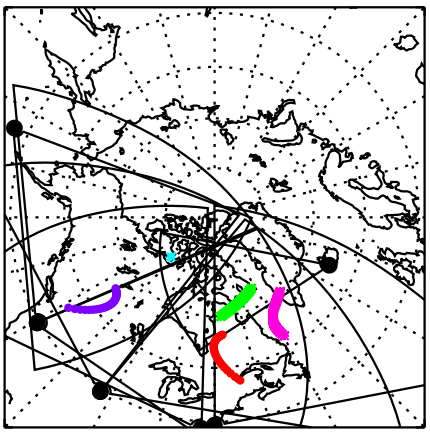
(d) 1410UT to 1605UT
cve fhe inv wal



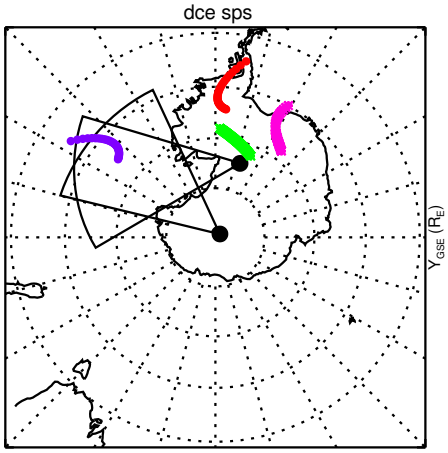


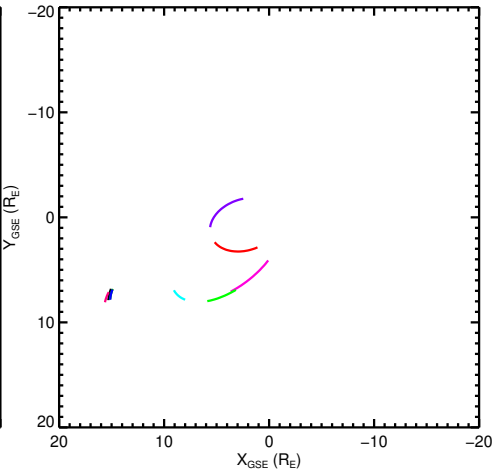


(e) 1815UT to 2100UT
ade bks cve cvw fhe fhw sto wal

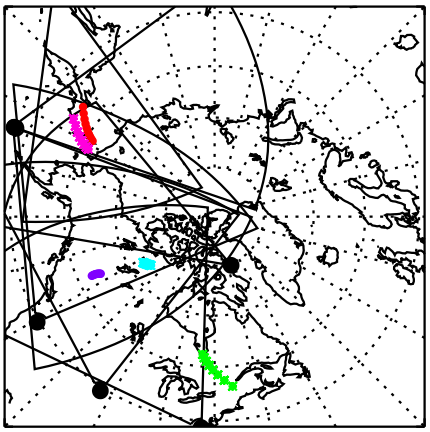


dce sps

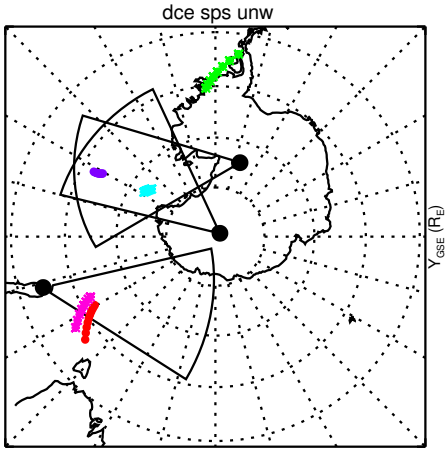


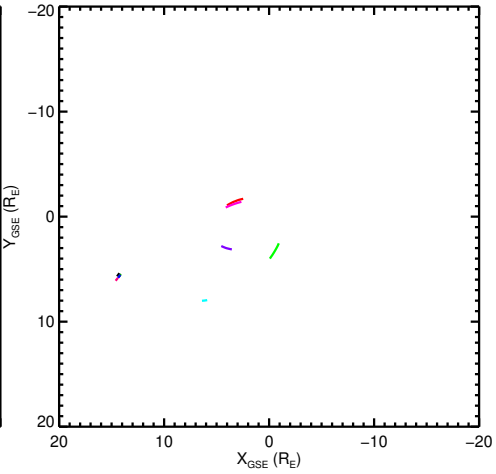


(f) 2310UT to 2355UT
ade adw bks cly cvw fhw hok



dce sps unw

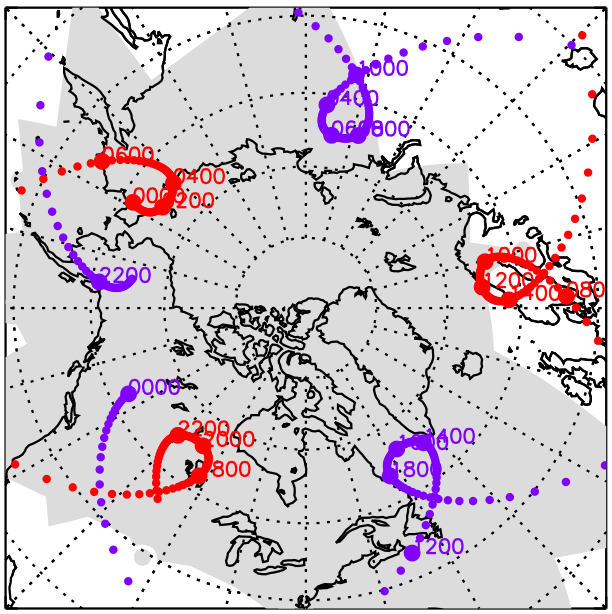


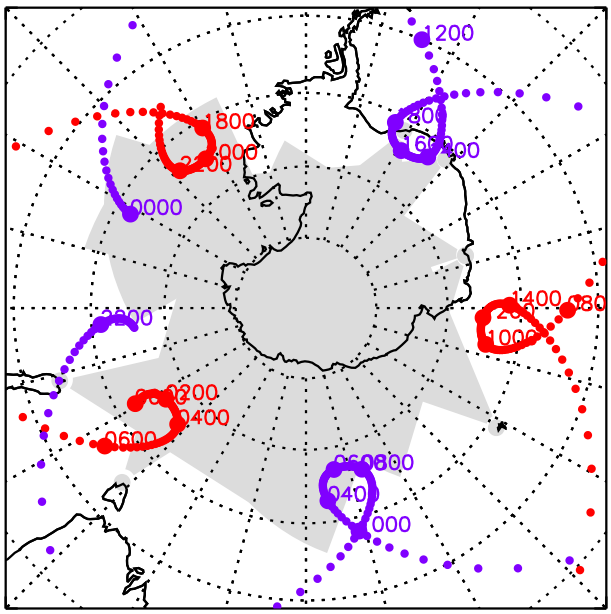


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

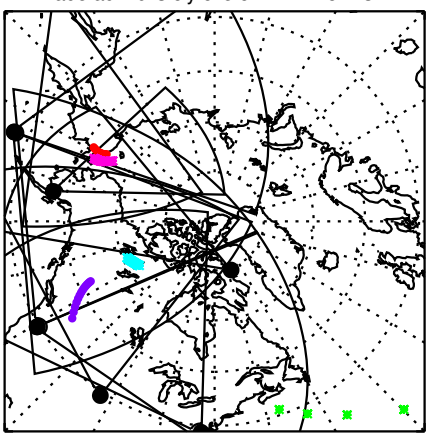
28–Jan–2014

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

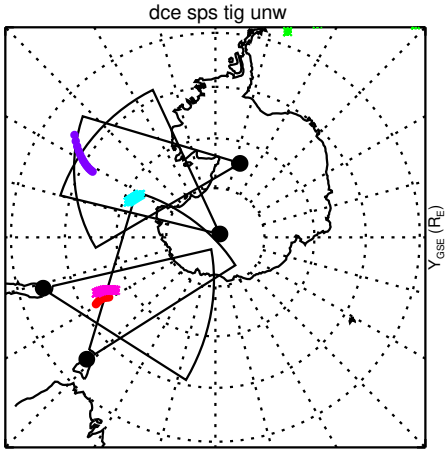


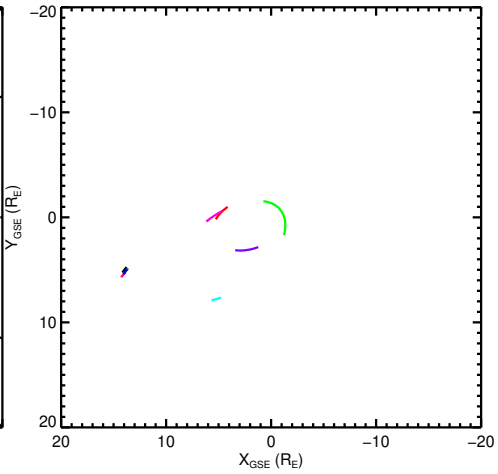


(a) 0000UT to 0105UT
ade adw bks cly cve cvw fhw hok ksr

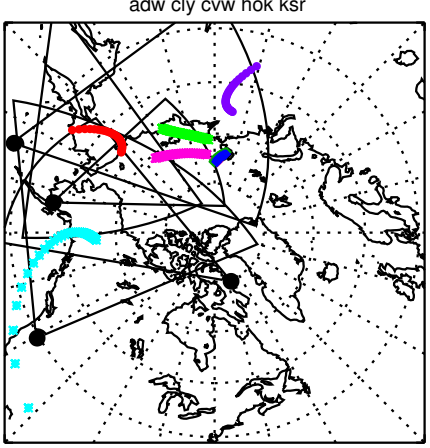


dce sps tig unw

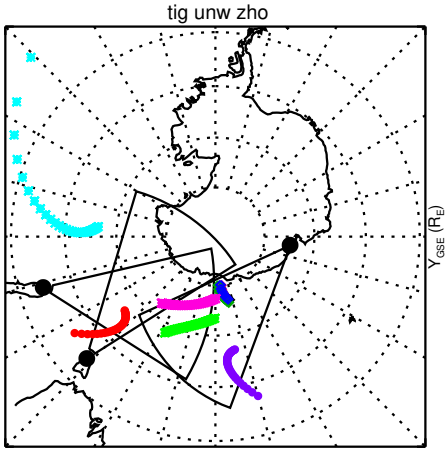


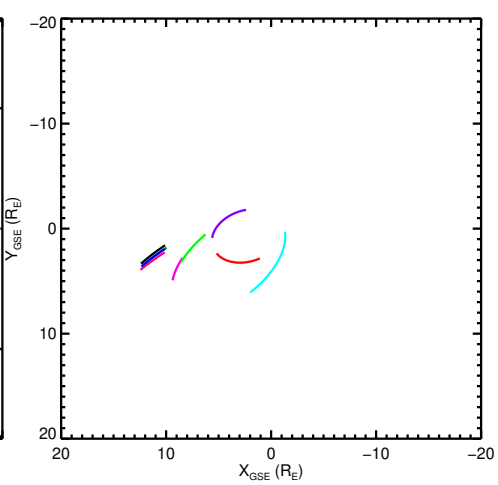


(b) 0315UT to 0600UT
adw cly cvw hok ksr

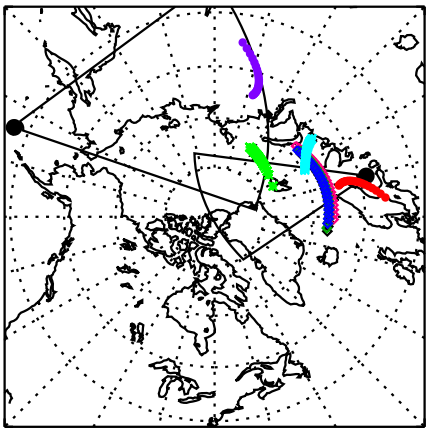


tig unw zho

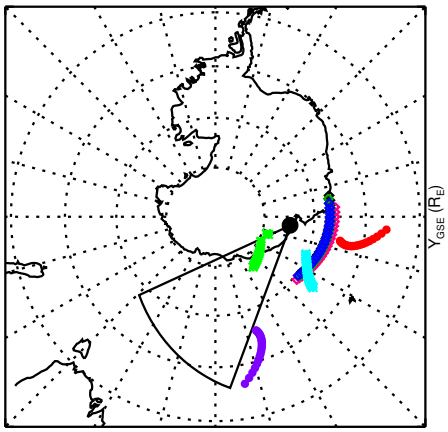


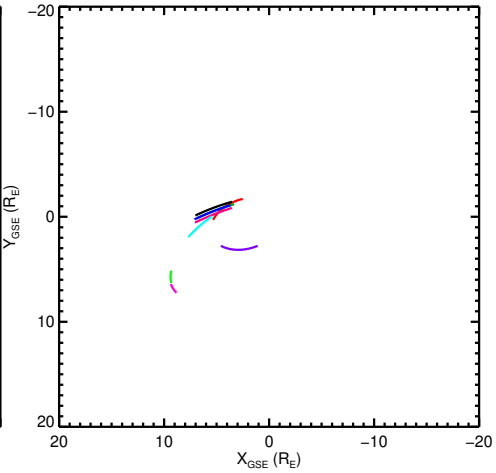


(c) 0810UT to 1010UT
adw han

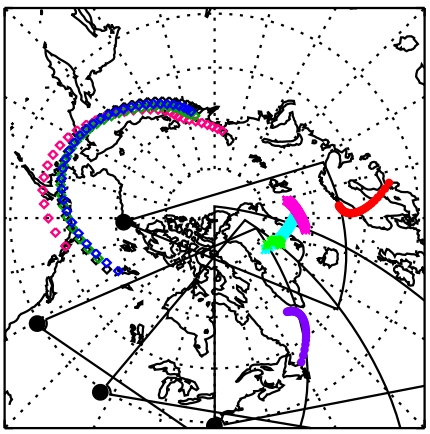


zho

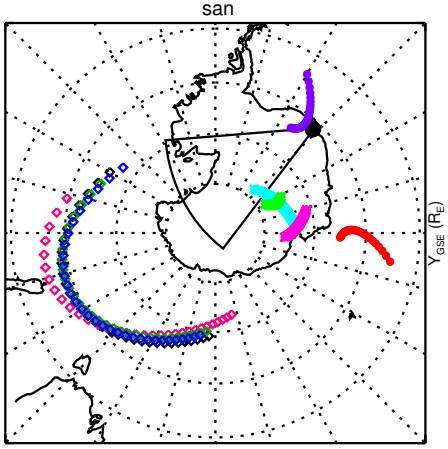


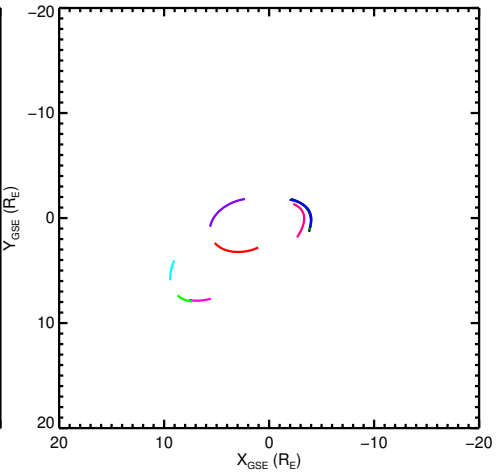


(d) 1215UT to 1500UT
cve fhe inv wal

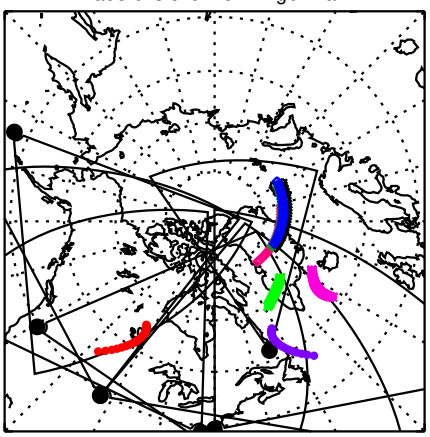


san

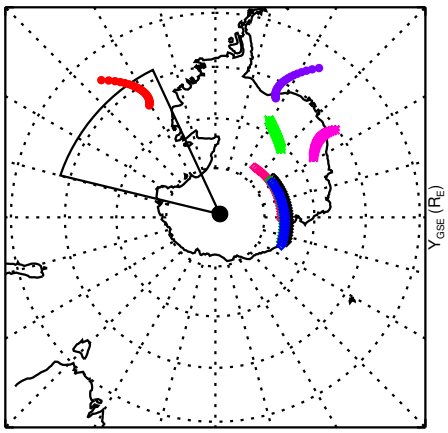


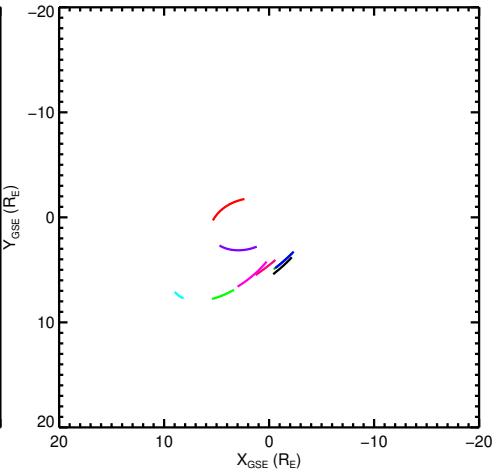


(e) 1705UT to 1910UT
ade bks cve fhe fhw gbr wal

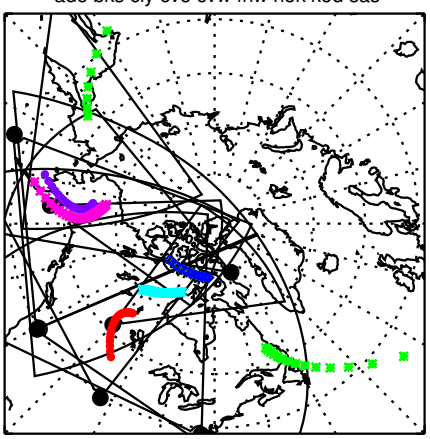


dce

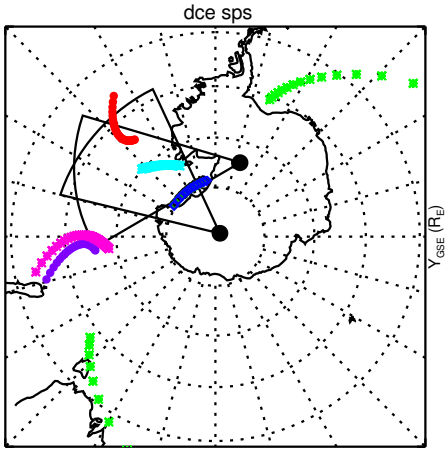


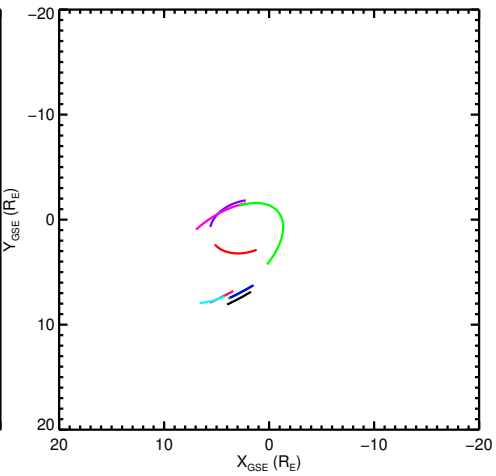


(f) 2115UT to 2355UT
ade bks cly cve cvw fhw hok kod sas



dce sps

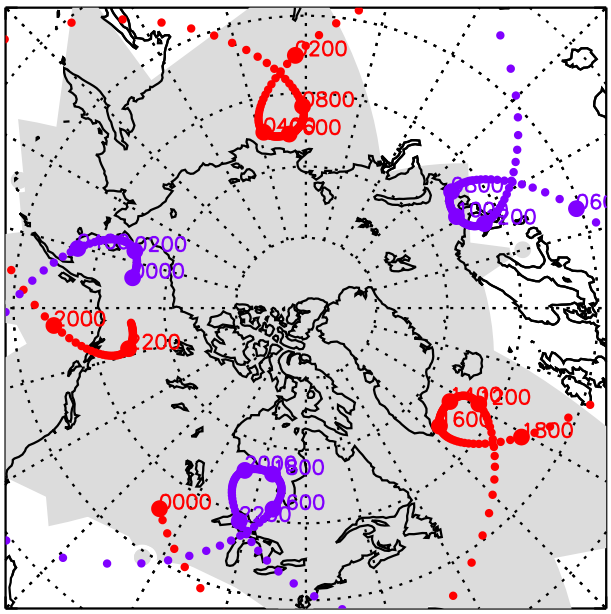


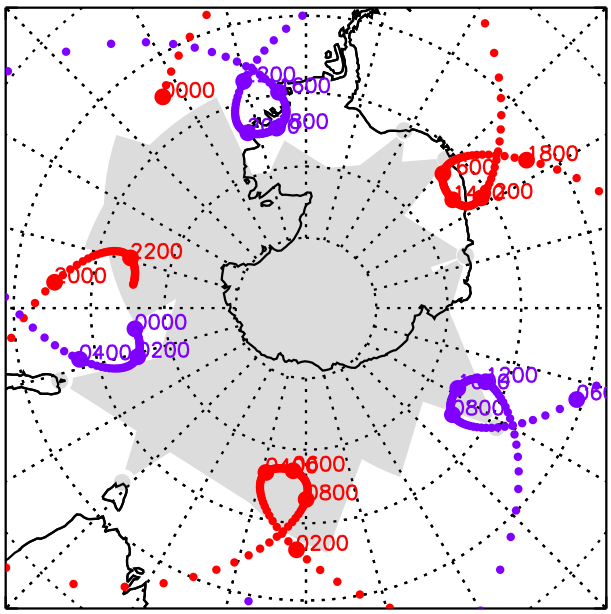


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

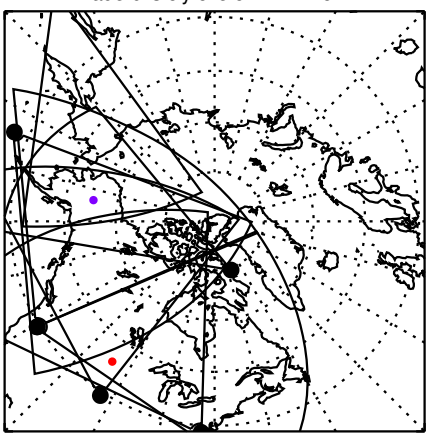
29–Jan–2014

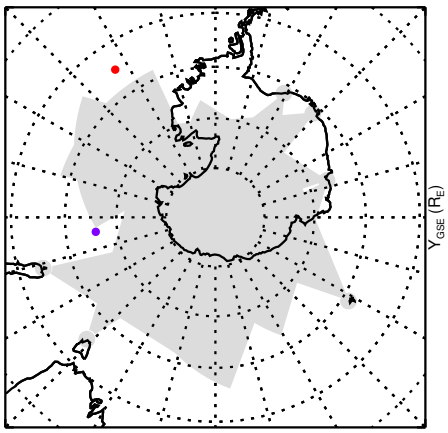
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

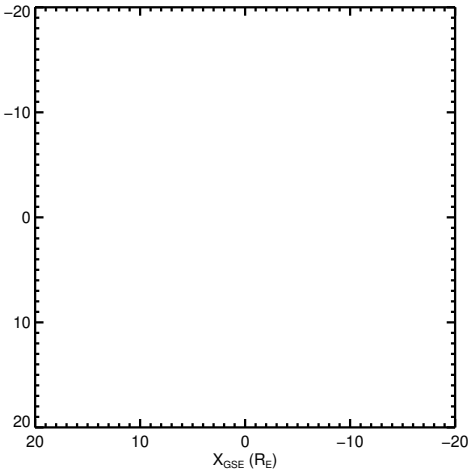




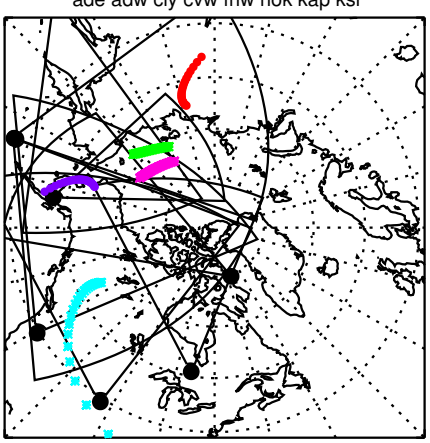
(a) 0000UT to 0000UT
ade bks cly cve cvw fhw hok



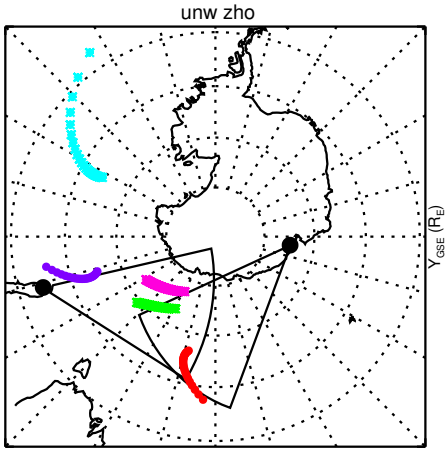


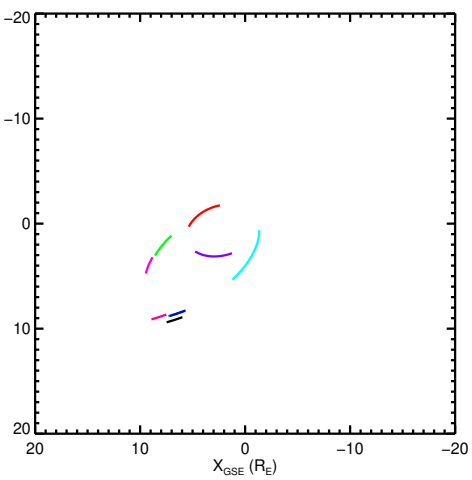


(b) 0205UT to 0410UT
ade adw cly cvw fhw hok kap ksr

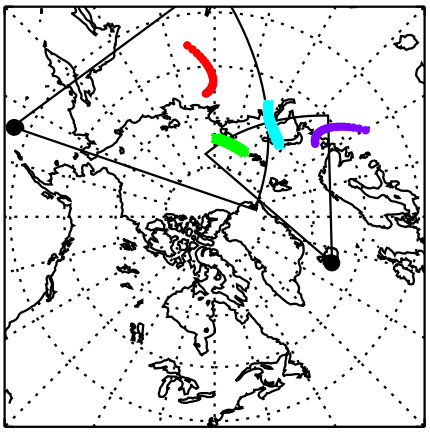


unw zho

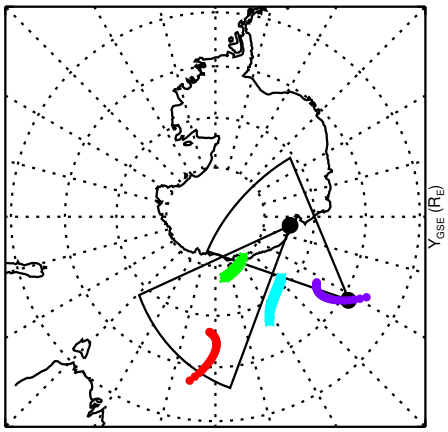


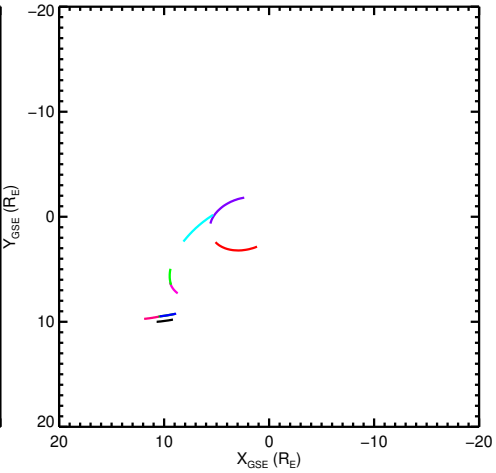


(c) 0620UT to 0855UT
adw pyk

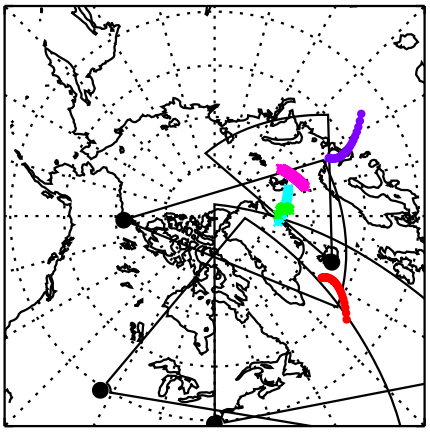


ker zho

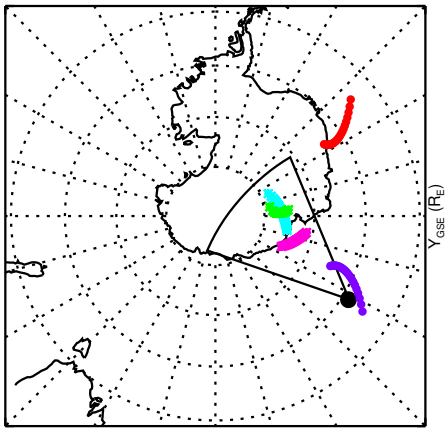


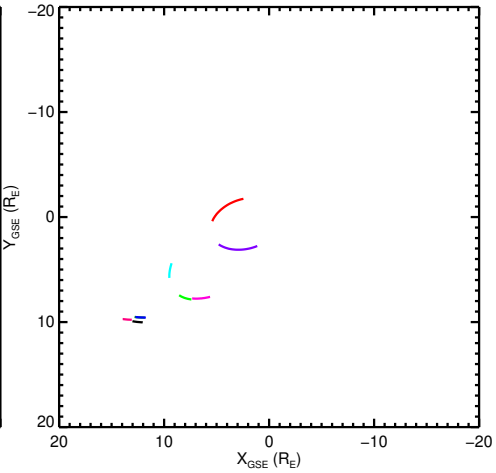


(d) 1105UT to 1315UT
fhe inv pyk wal

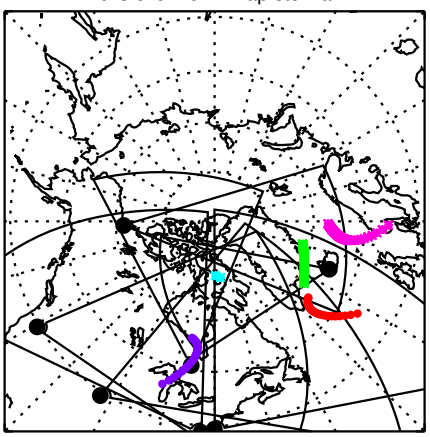


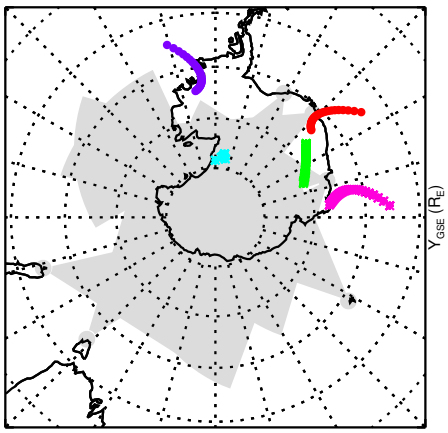
ker

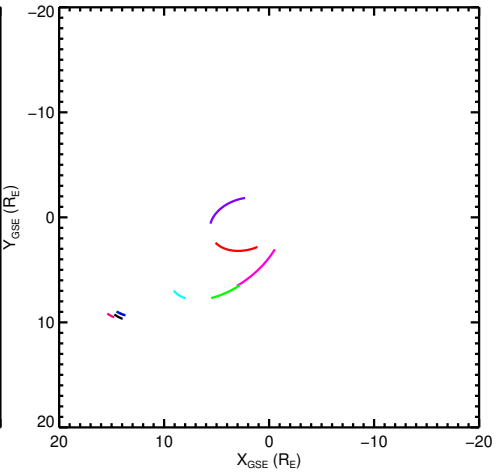




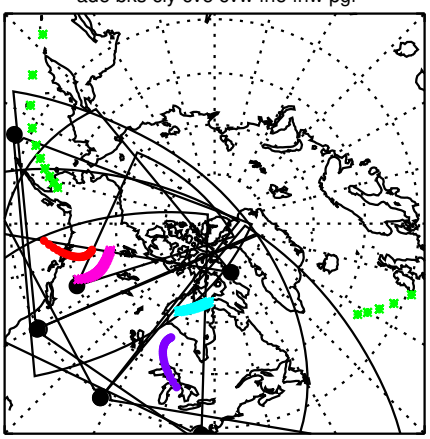
(e) 1520UT to 1755UT
bks cve fhe inv kap sto wal



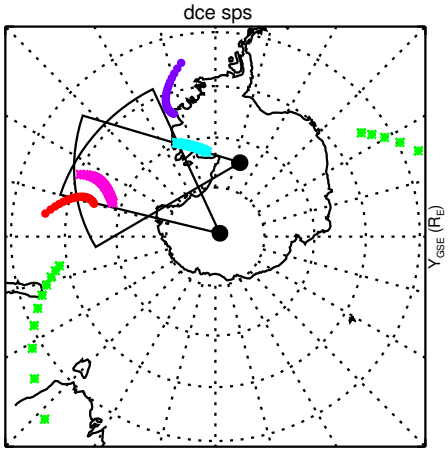


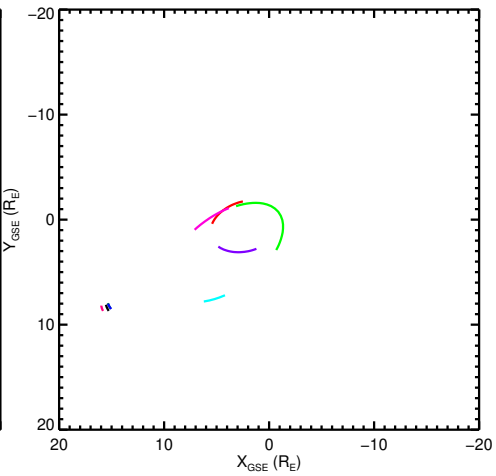


(f) 2005UT to 2215UT
ade bks cly cve cvw fhe fhw pgr



dce sps

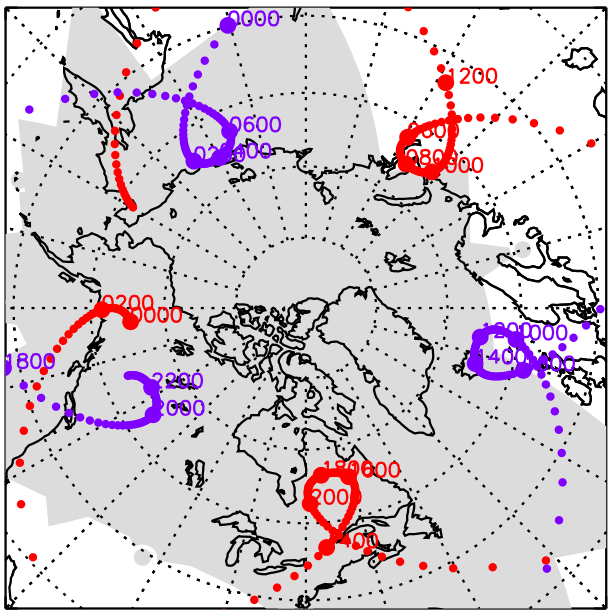


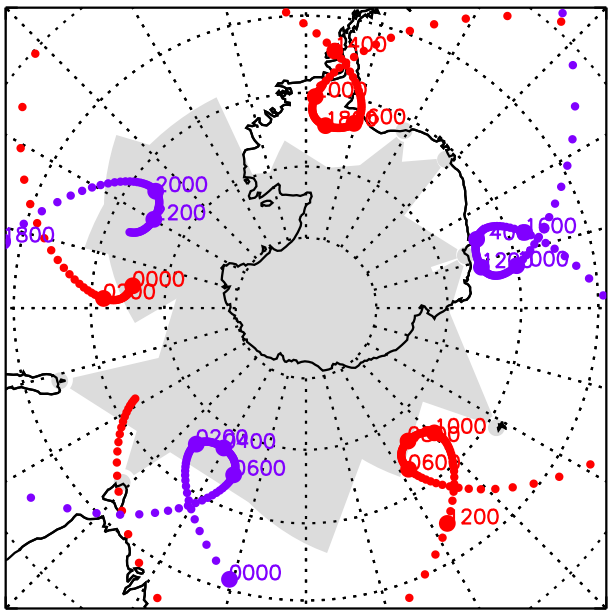


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

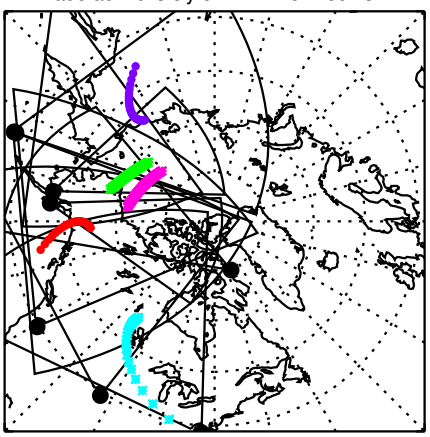
30–Jan–2014

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

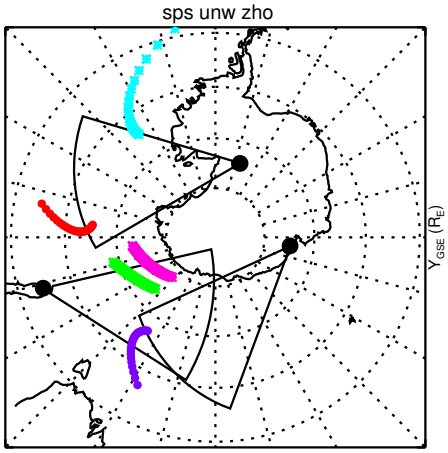


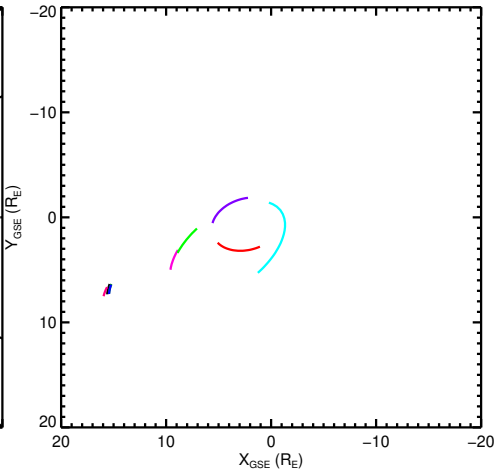


(a) 0020UT to 0255UT
ade adw bks cly cvw fhw hok kod ksr

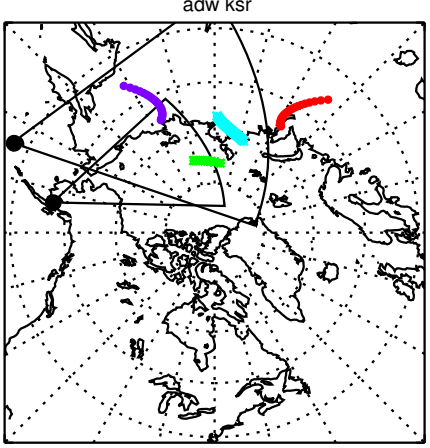


sps unw zho

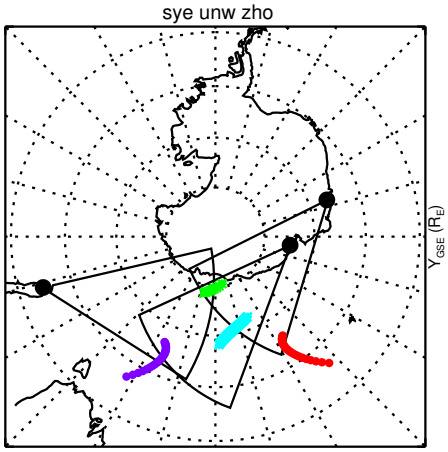


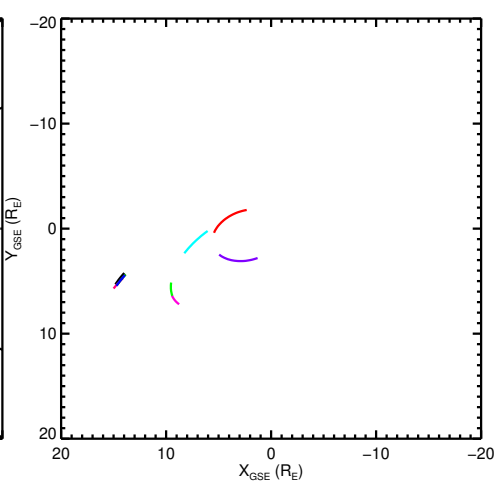


(b) 0500UT to 0715UT
adw ksr

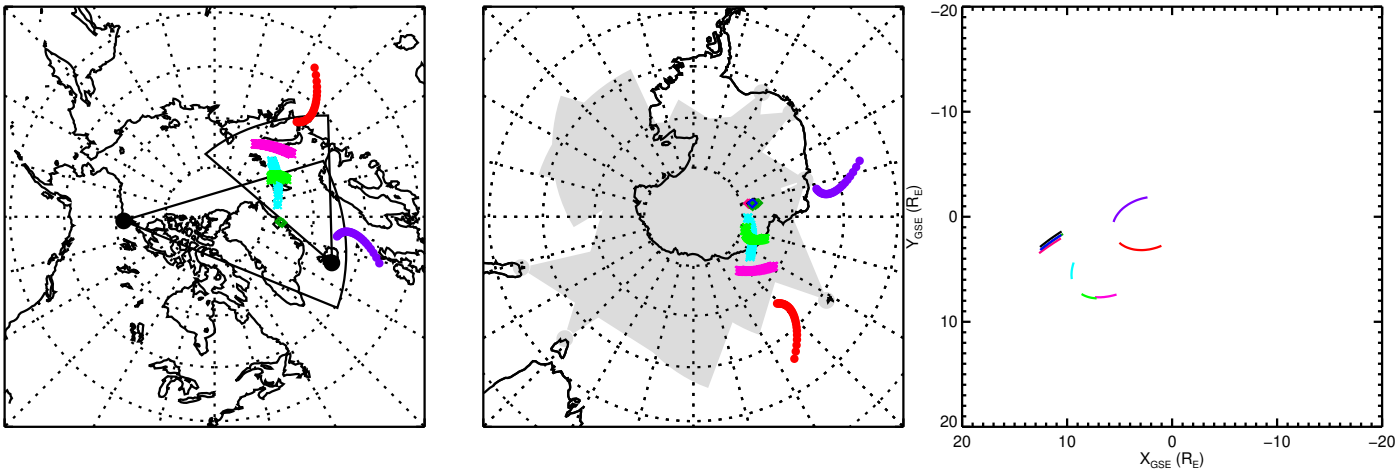


sye unw zho

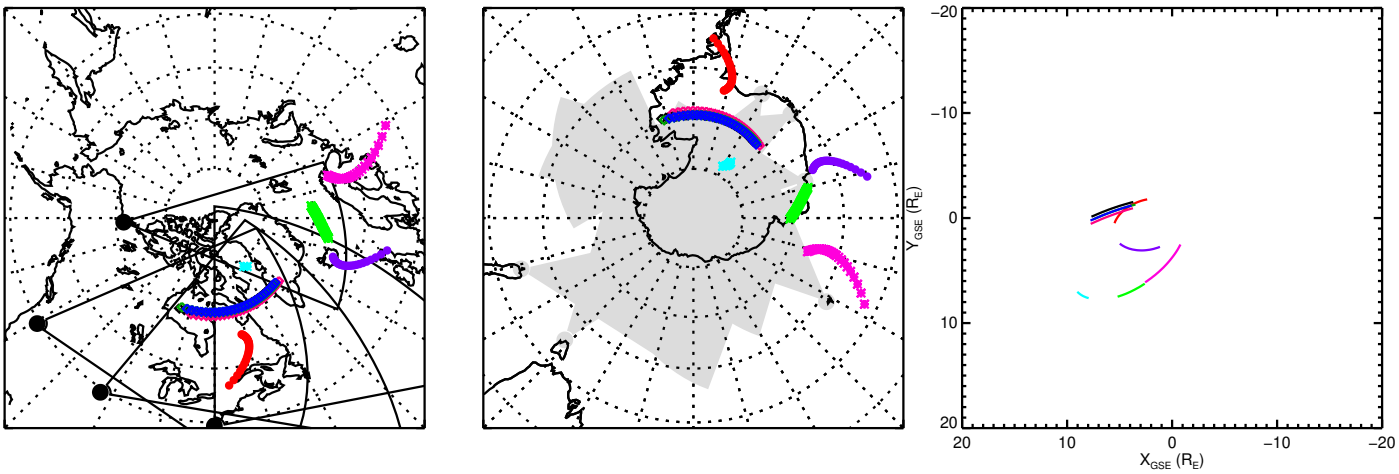




(c) 0925UT to 1155UT
inv pyk

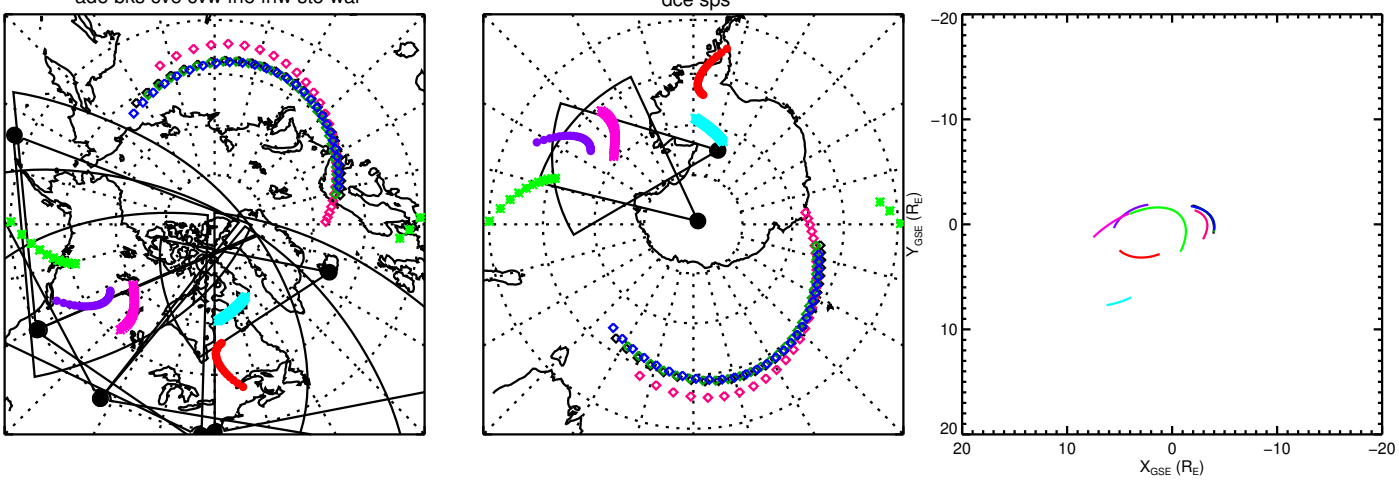


(d) 1400UT to 1620UT
cve fhe inv wal



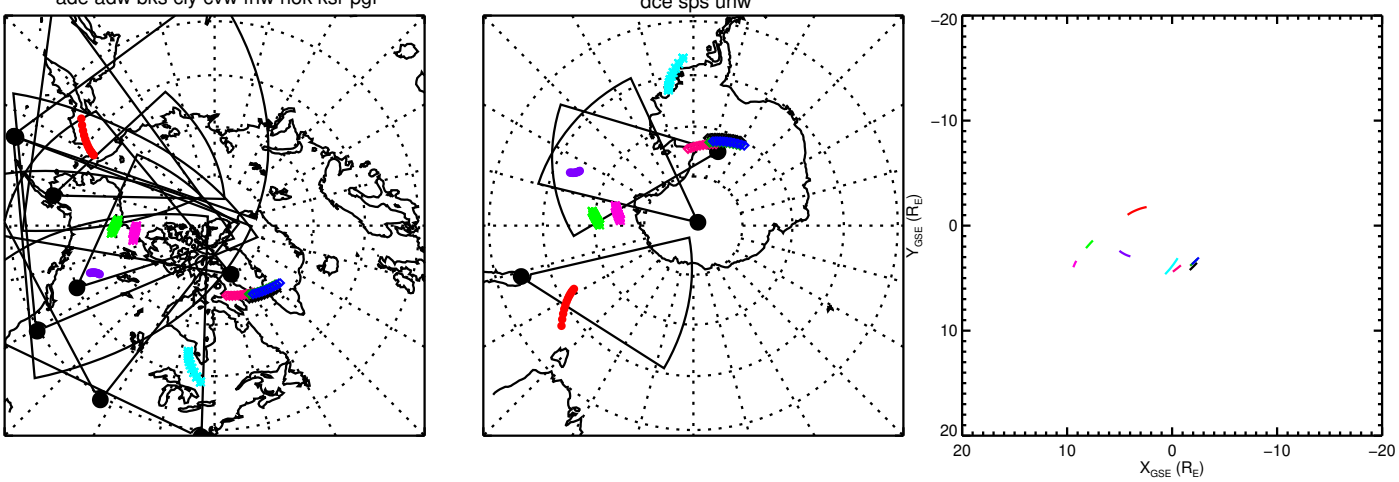
(e) 1825UT to 2050UT
ade bks cve cvw fhe fhw sto wal

dce sps



(f) 2300UT to 2355UT
ade adw bks cly cvw fhw hok ksr pgr

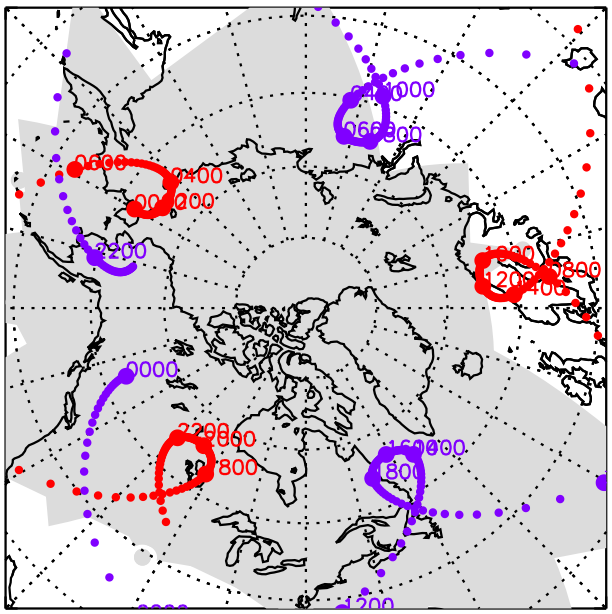
dce sps unw

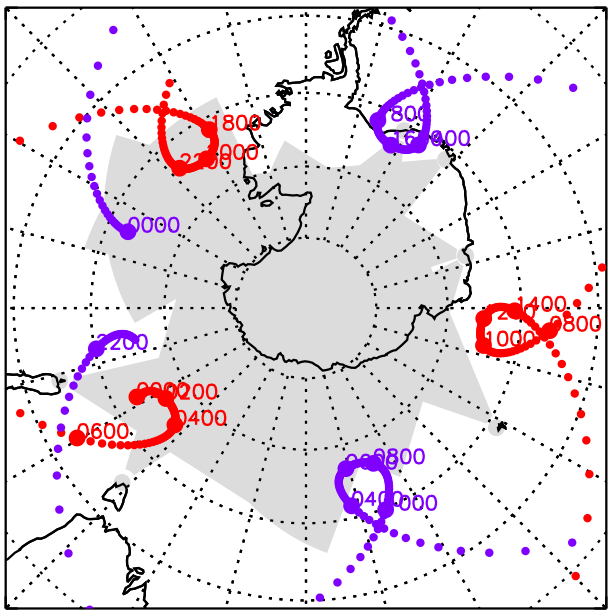


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

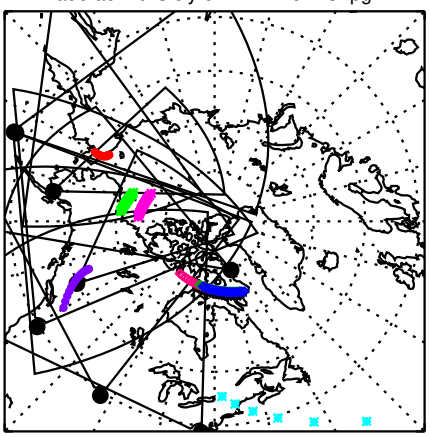
31–Jan–2014

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

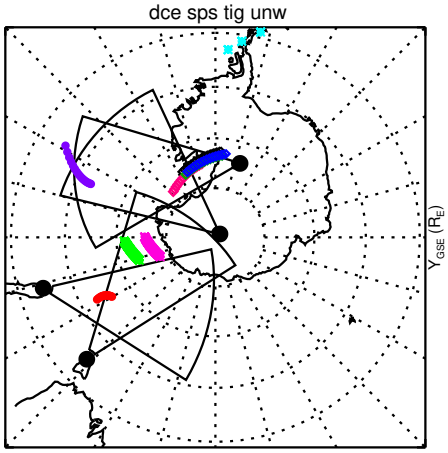


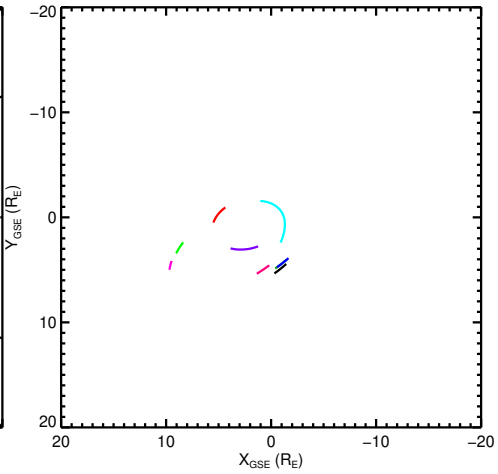


(a) 0000UT to 0120UT
ade adw bks cly cvw fhw hok ksr pgr

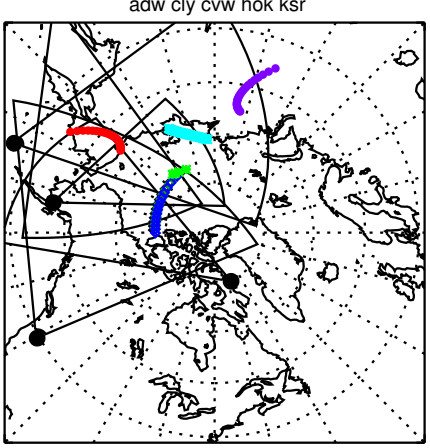


dce sps tig unw

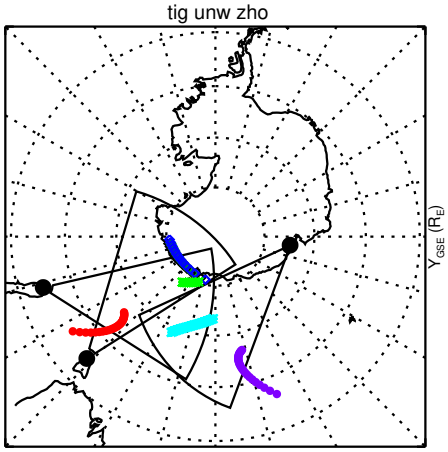


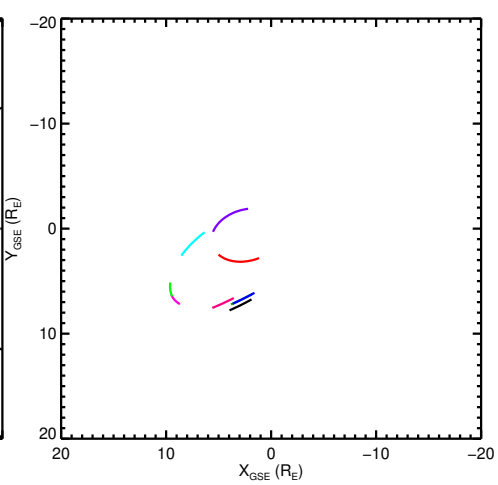


(b) 0325UT to 0550UT
adw cly cvw hok ksr



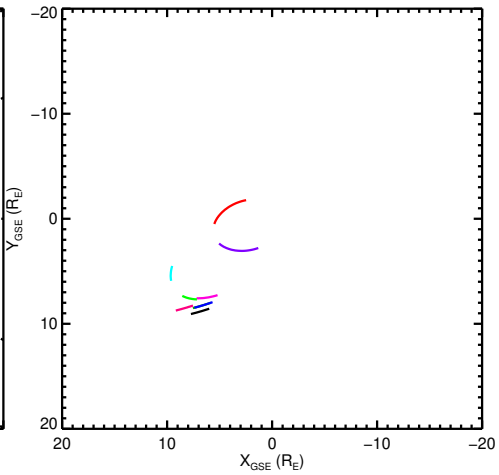
tig unw zho



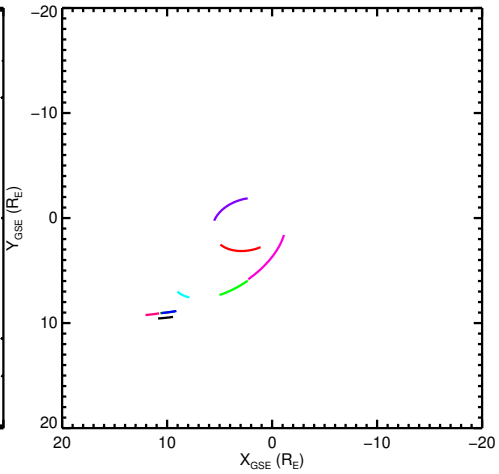


(c) 0800UT to 1020UT
adw han rkn

sye

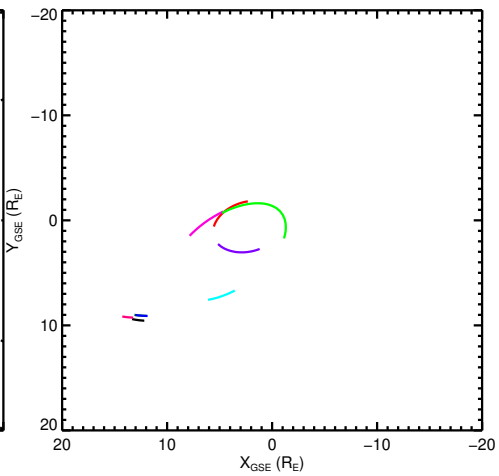


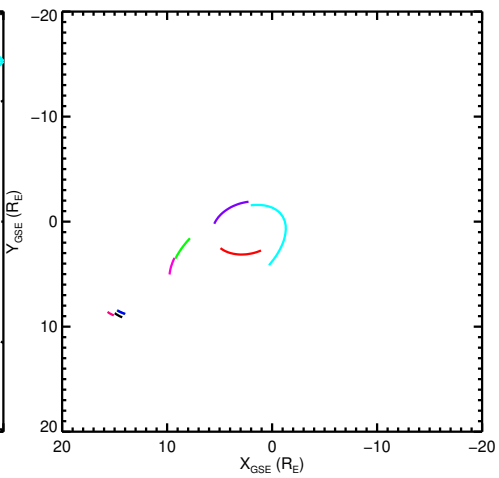
(d) 1230UT to 1450UT
cve fhe inv wal



(e) 1655UT to 1925UT
ade bks cve fhe fhw gbr wal

dce



(f) 2130UT to 2350UT
ade bks cly cve cvw fhw hok ksr sas

dce sps unw