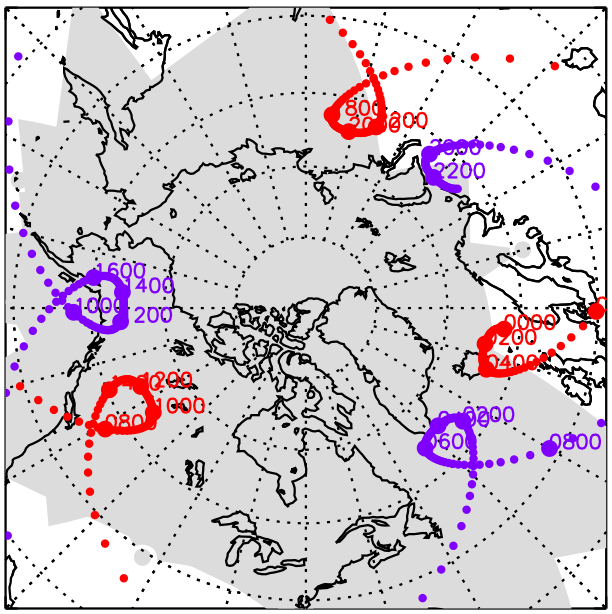
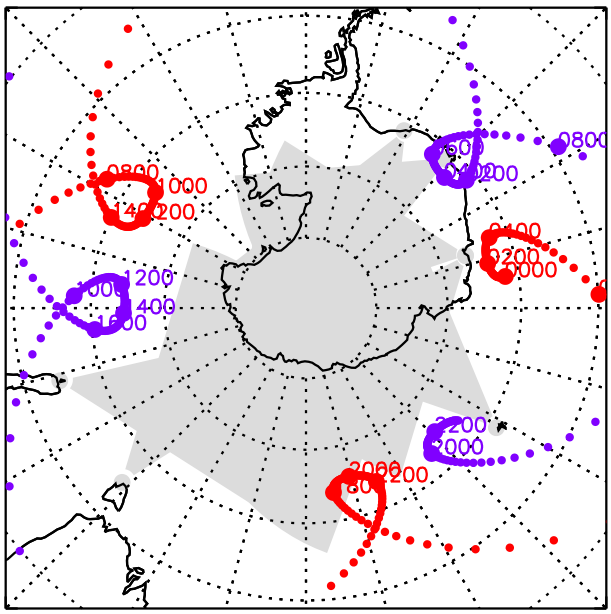
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

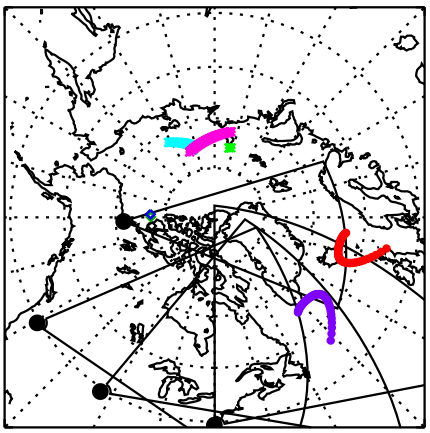
01–Feb–2013

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

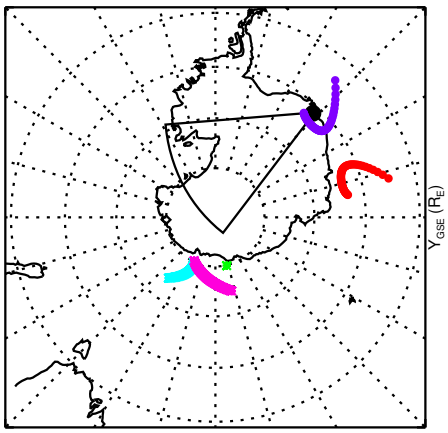


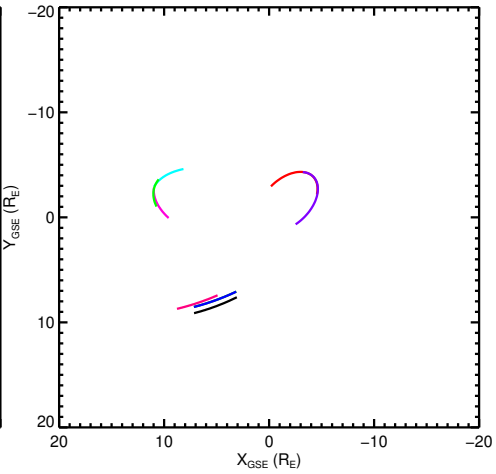


(a) 0045UT to 0540UT
cve fhe inv wal

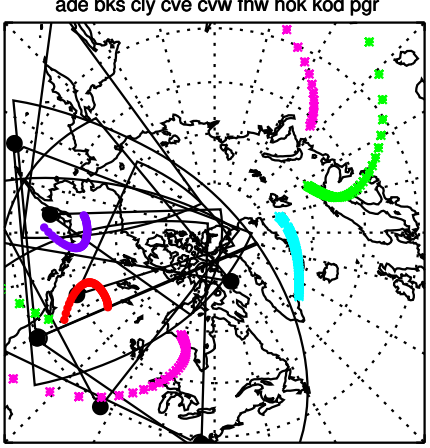


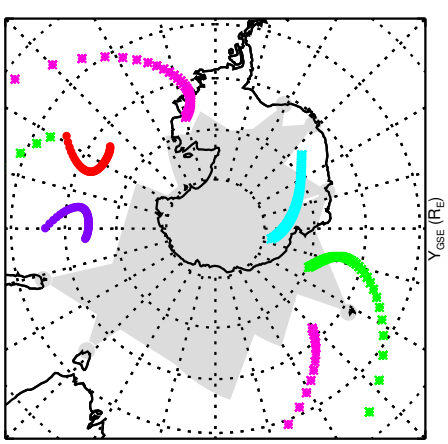
san

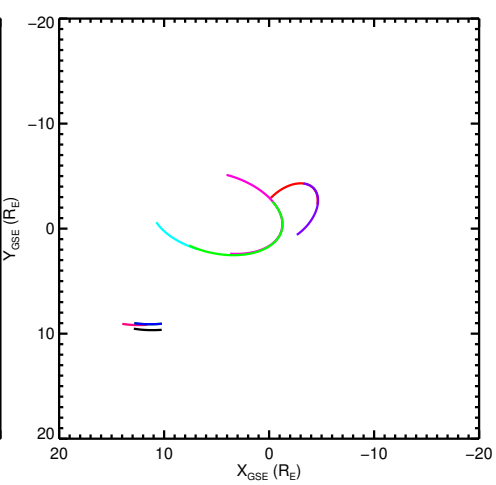


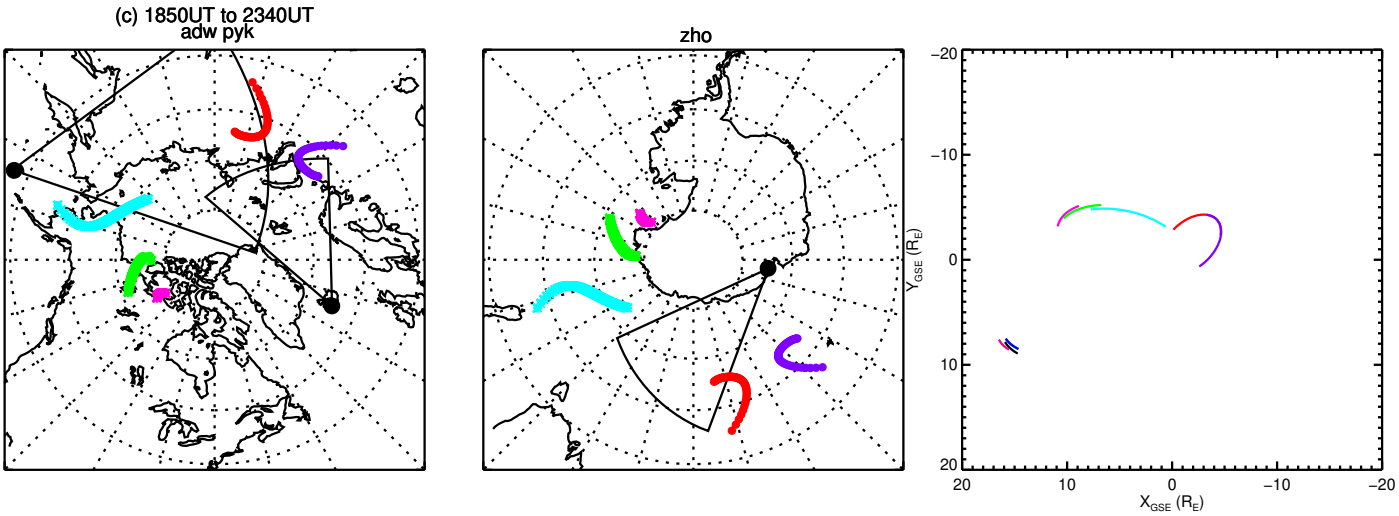


(b) 0950UT to 1440UT
ade bks cly cve cvw fhw hok kod pgr





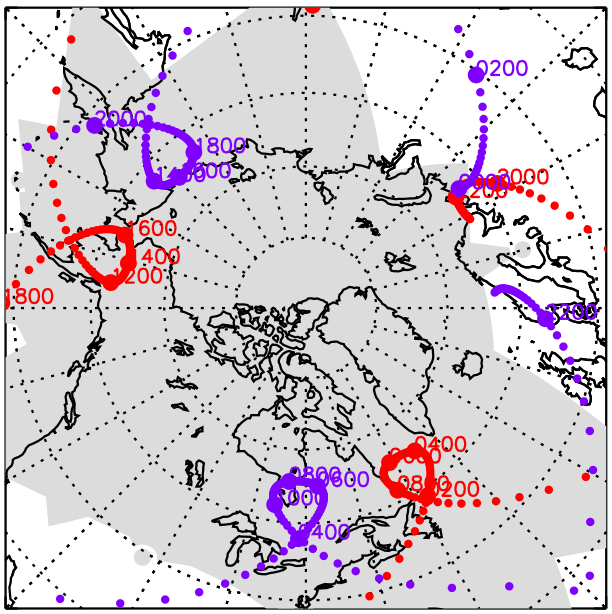


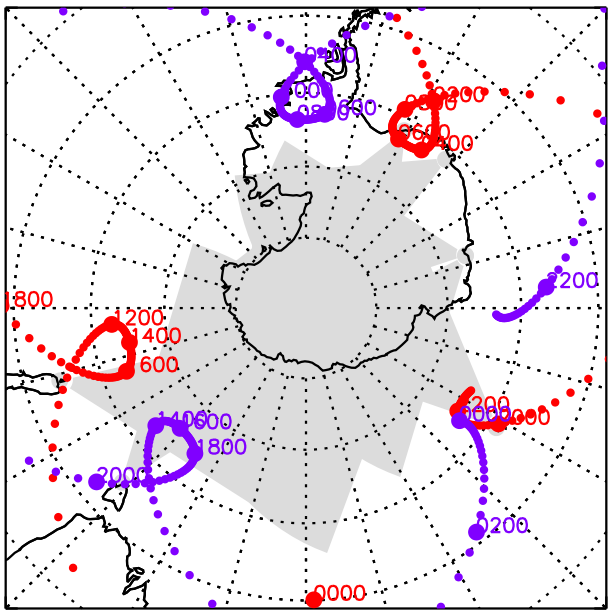

(c) 1850UT to 2340UT
adw pyk
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

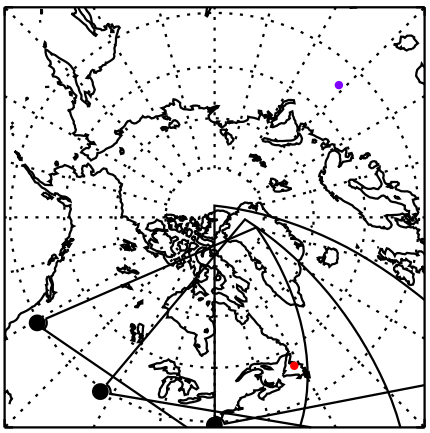
02–Feb–2013

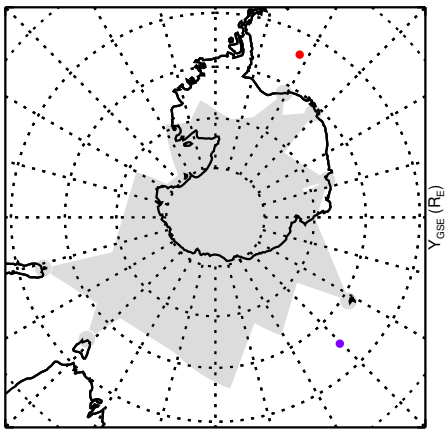
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

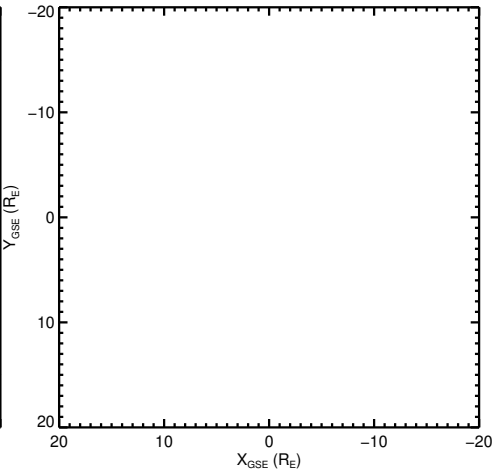




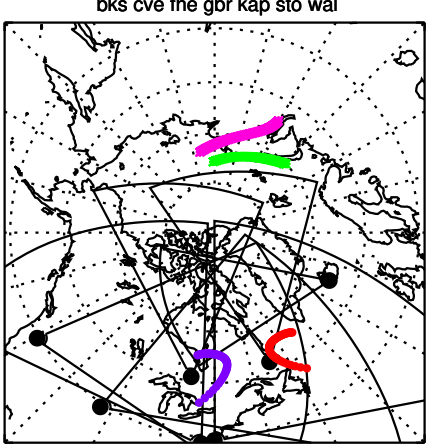
(a) 0145UT to 0145UT
cve fhe wal



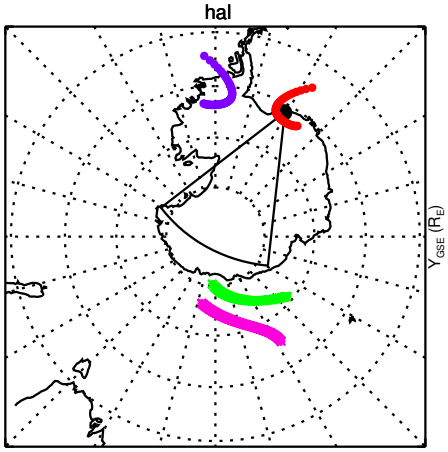


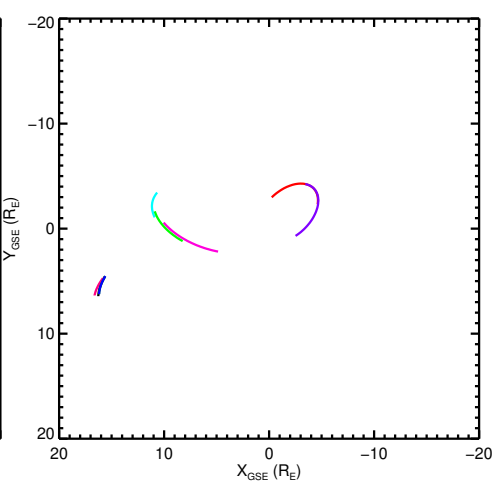


(b) 0350UT to 0835UT
bks cve fhe gbr kap sto wal

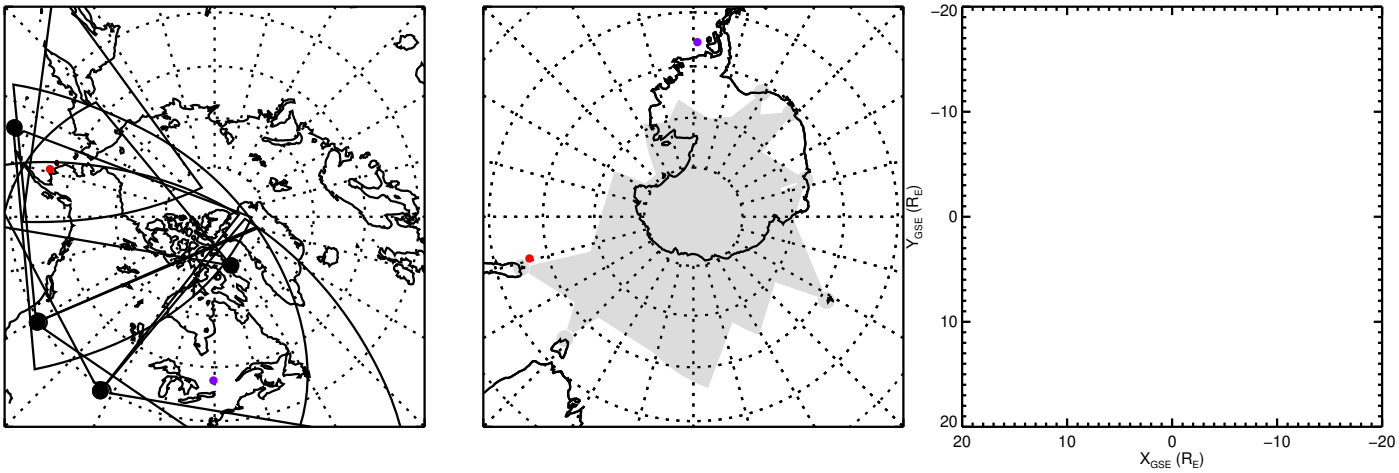


hal



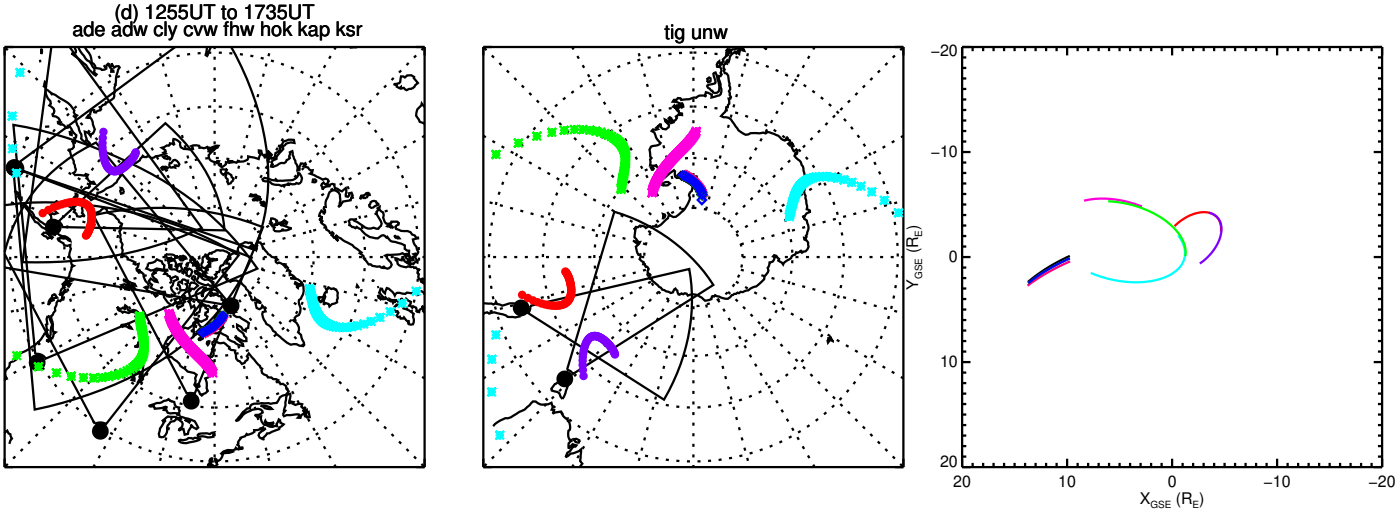


(c) 1045UT to 1045UT
ade cly cve cvw fhe fhw hok

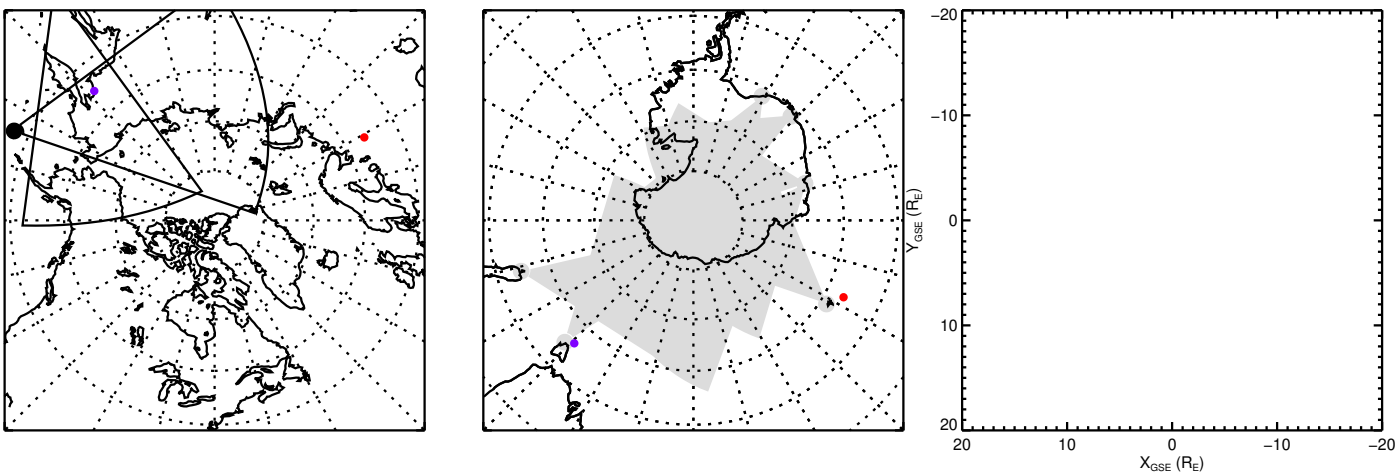


(d) 1255UT to 1735UT
ade adw cly cvw fhw hok kap ksr

tig unw

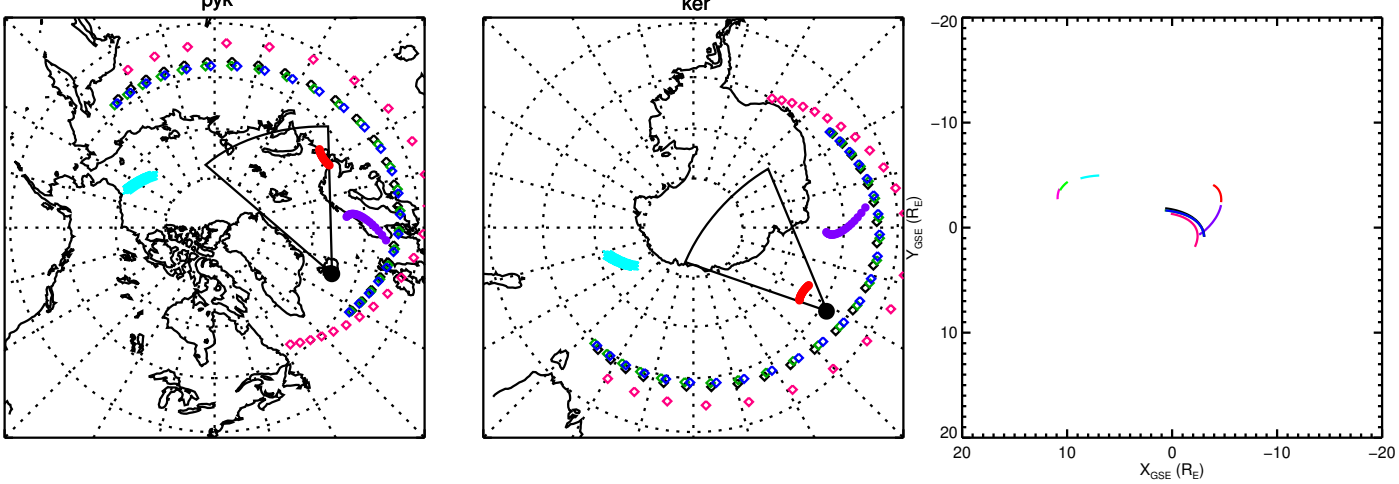


(e) 1945UT to 1945UT
adw hok



(f) 2155UT to 2355UT
pyk

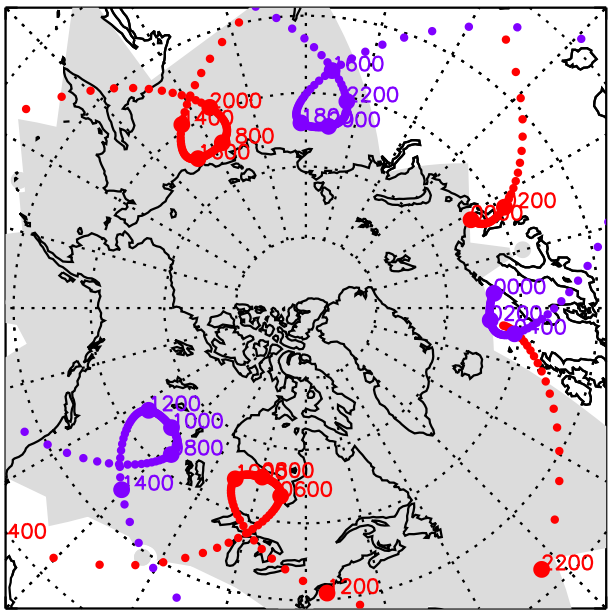
ker

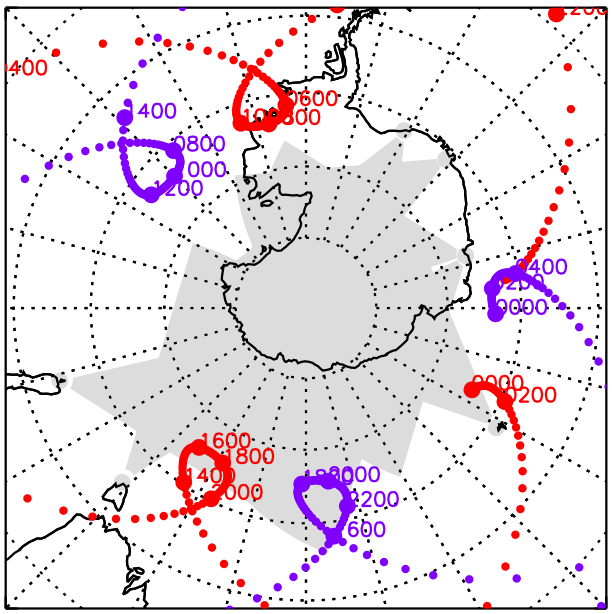


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

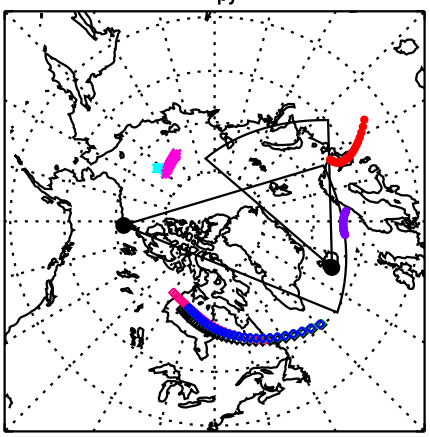
03–Feb–2013

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

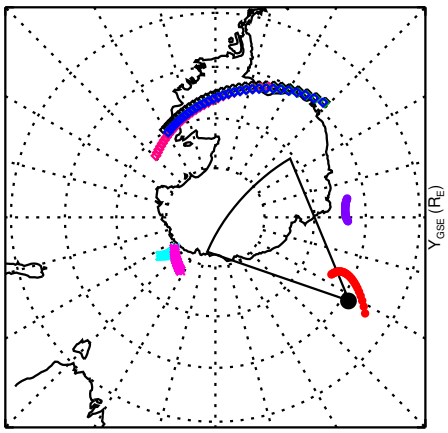


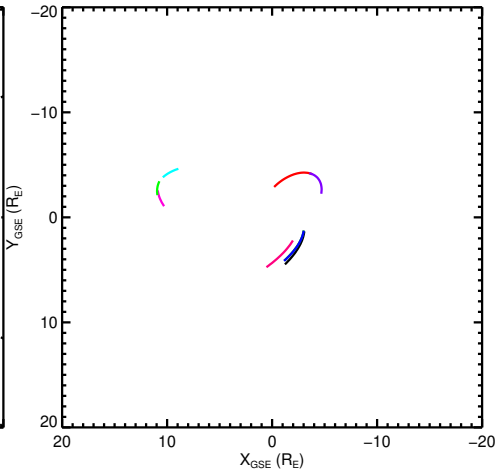


(a) 0000UT to 0235UT
inv pyk

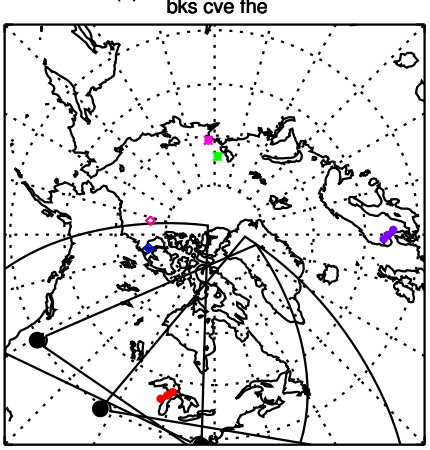


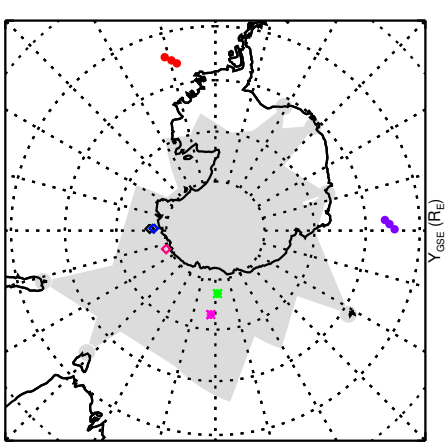
ker

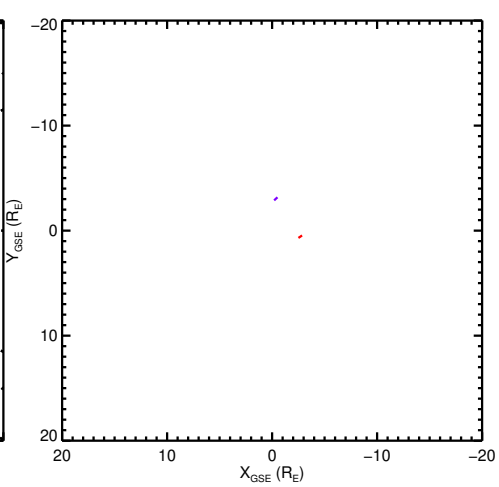




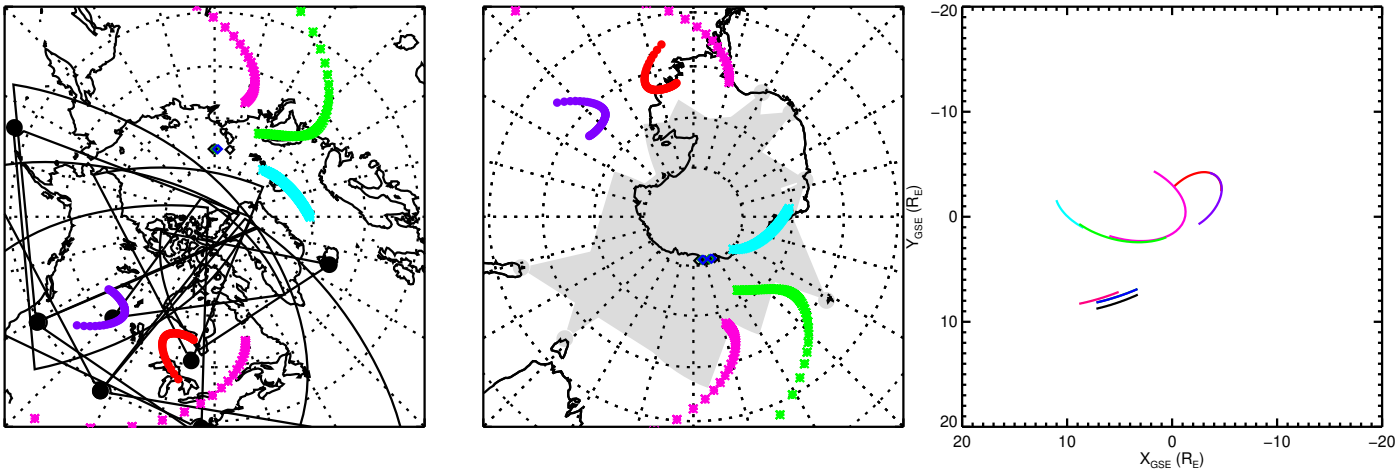
(b) 0440UT to 0450UT
bks cve fhe



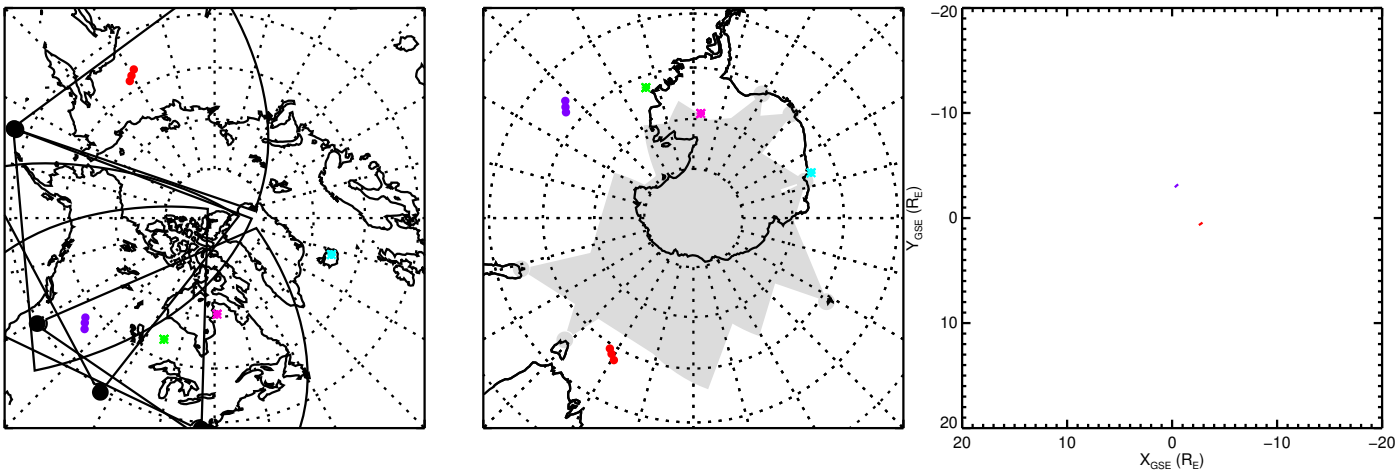




(c) 0655UT to 1135UT
ade bks cve cvw fhe fhw kap sas sto

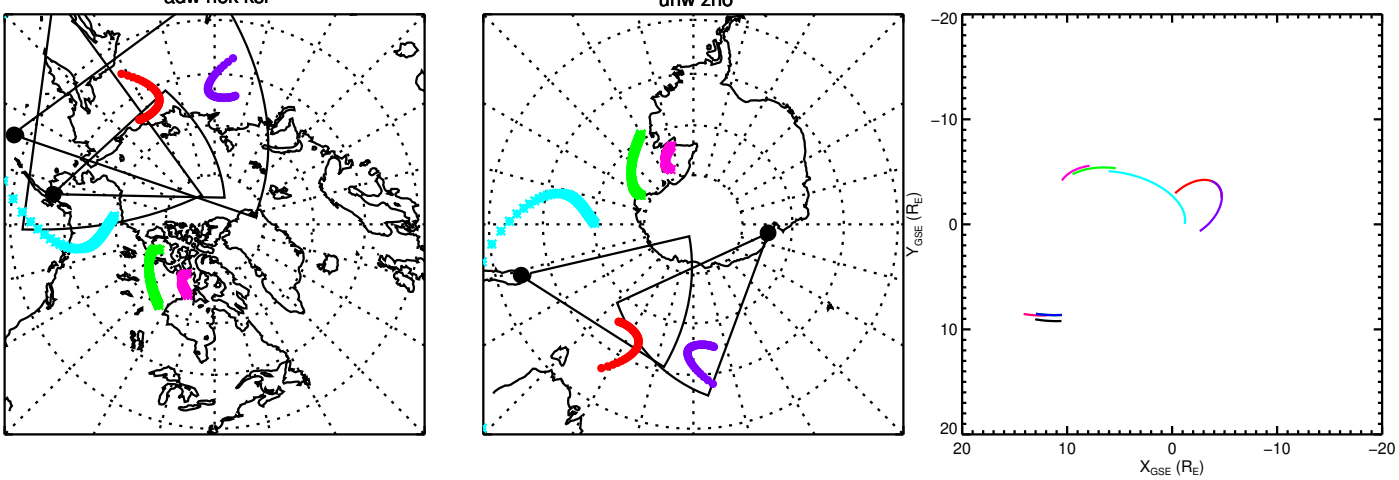


(d) 1340UT to 1350UT
ade adw bks cve fhw



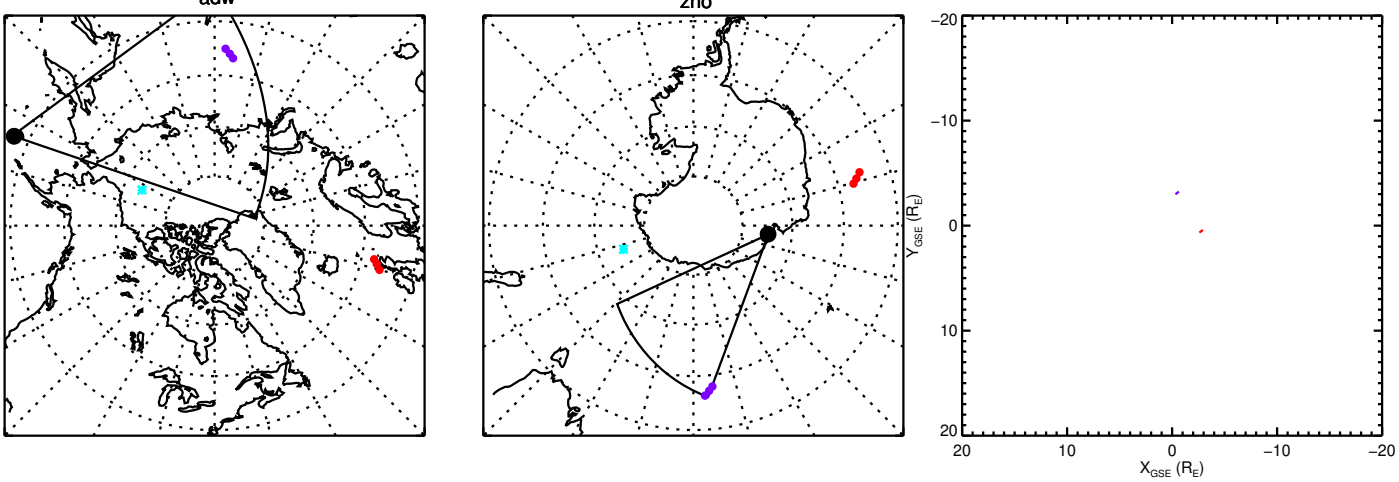
(e) 1600UT to 2030UT
adw hok ksr

unw zho



(f) 2240UT to 2250UT
adw

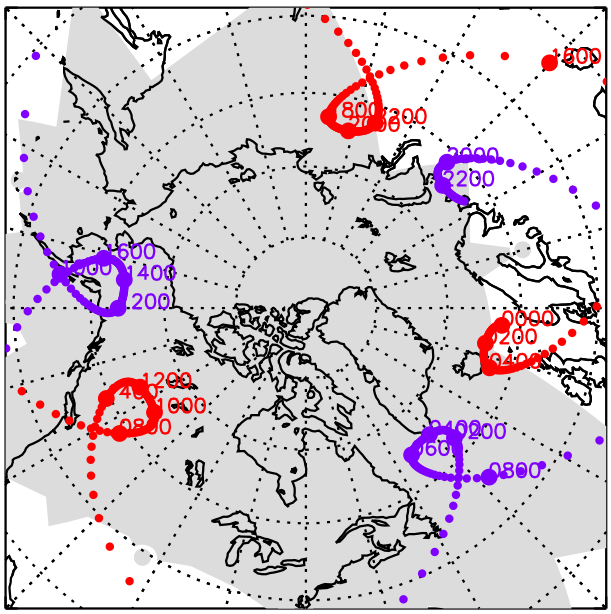
zho

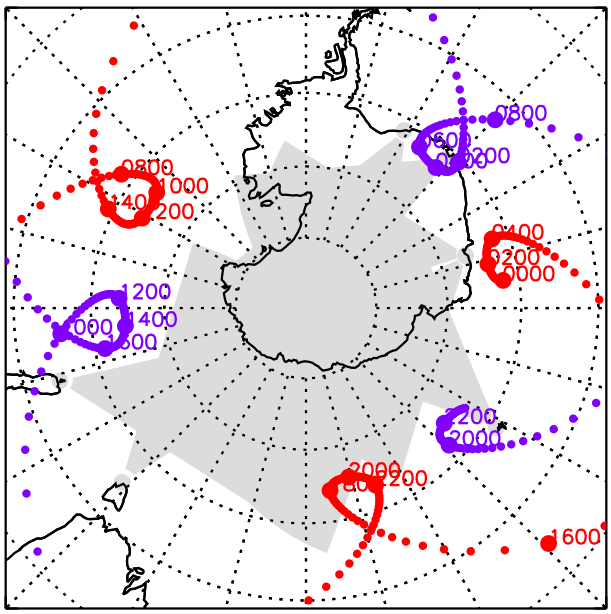


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

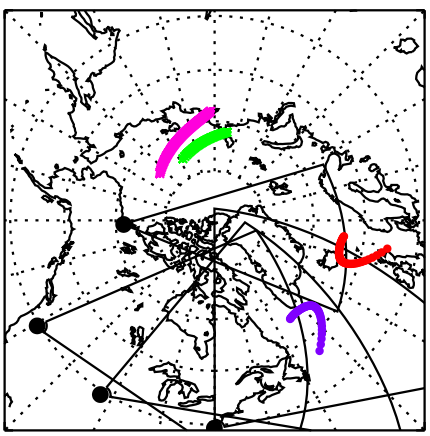
04–Feb–2013

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

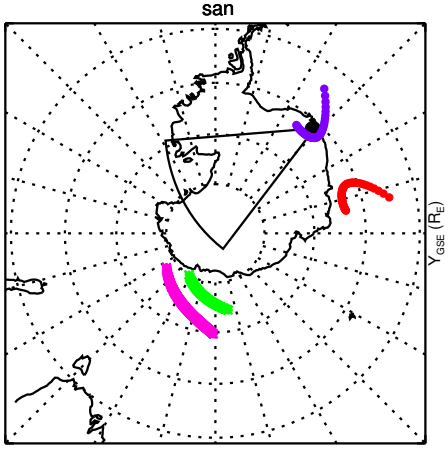


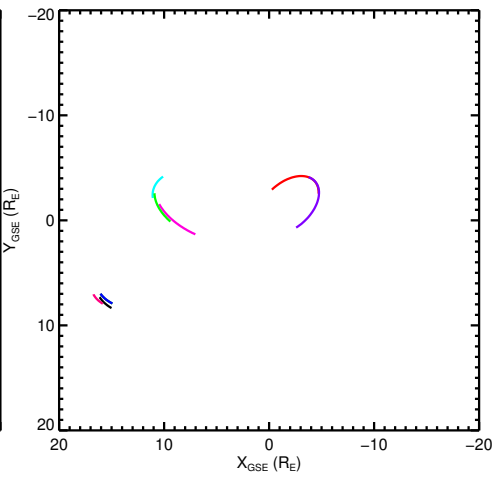


(a) 0100UT to 0530UT
cve fhe inv wal

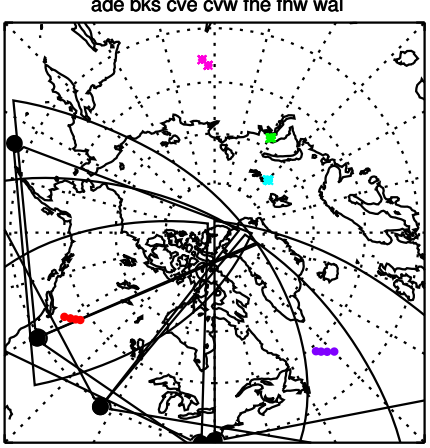


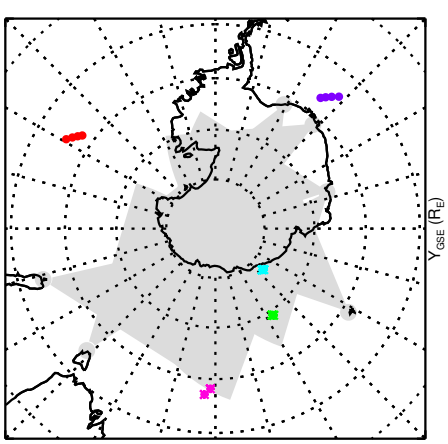
san

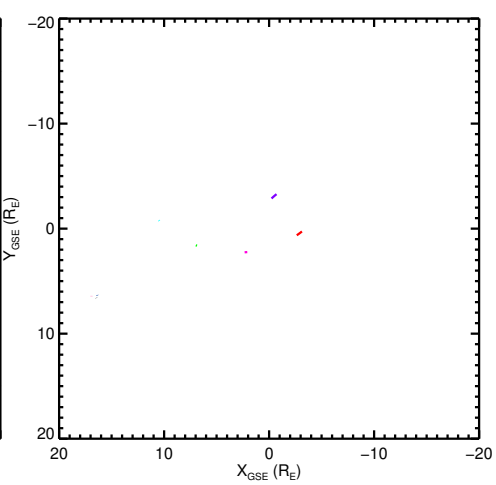




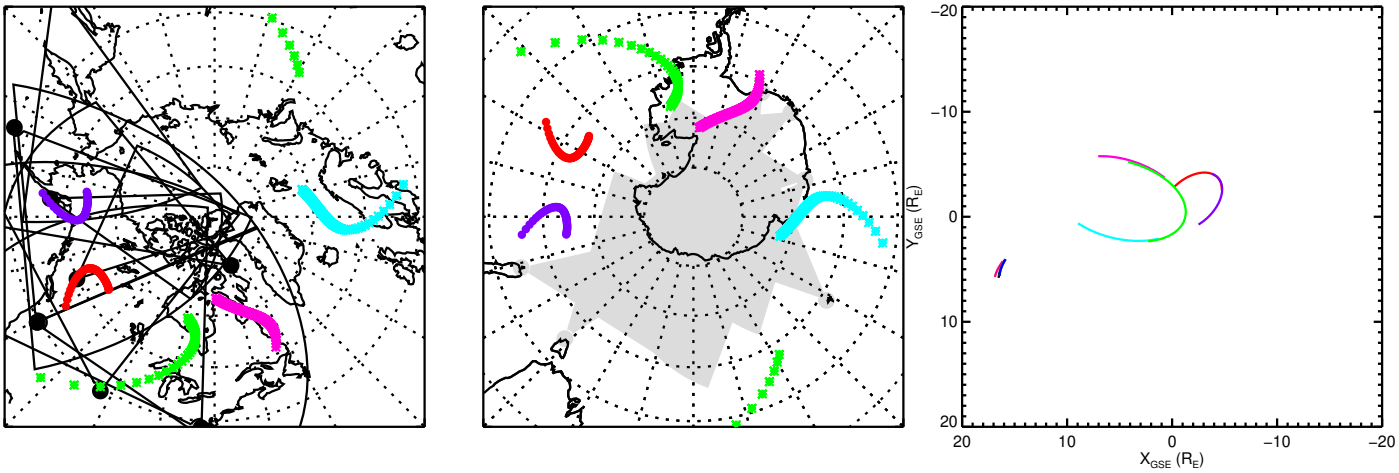
(b) 0740UT to 0755UT
ade bks cve cvw fhe fhw wal



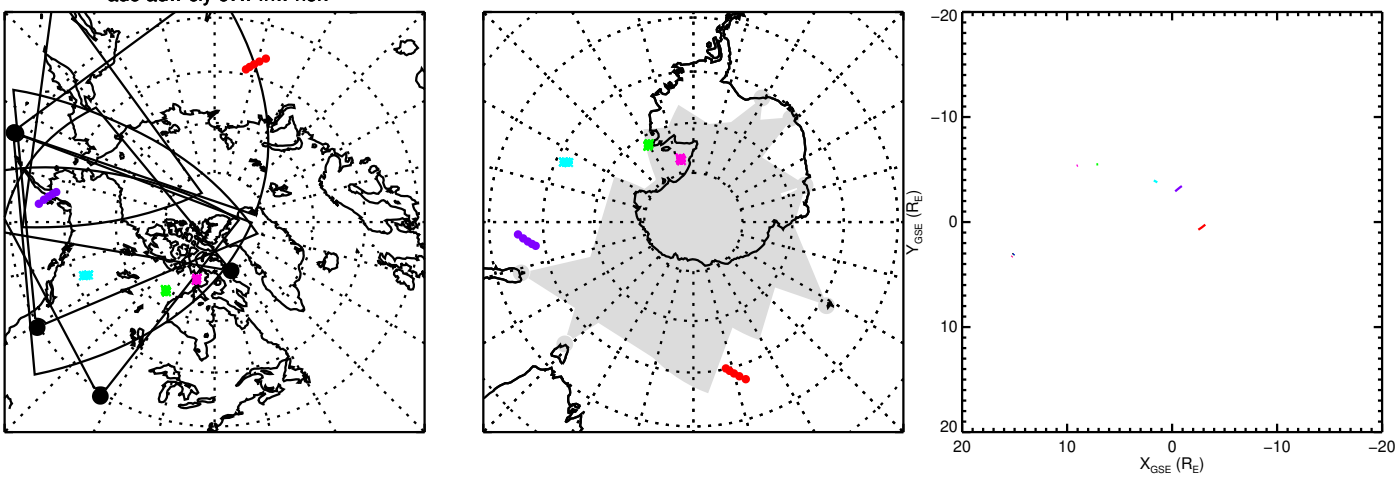




(c) 1000UT to 1430UT
ade bks cly cve cvw fhw hok kod pgr

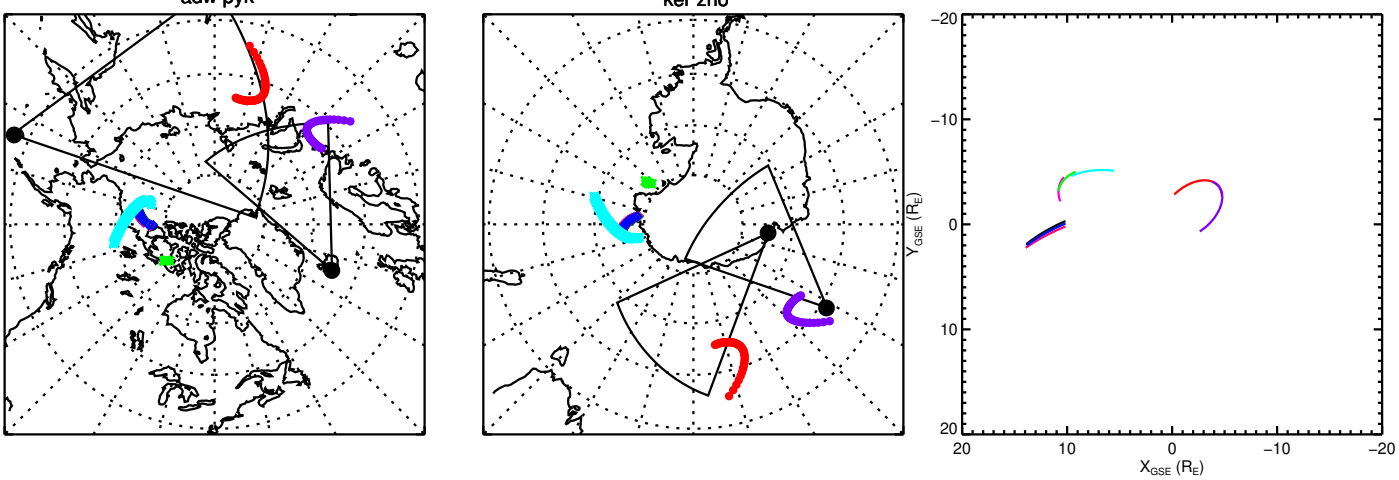


(d) 1635UT to 1655UT
ade adw cly cvw fhw hok



(e) 1905UT to 2330UT
adw pyk

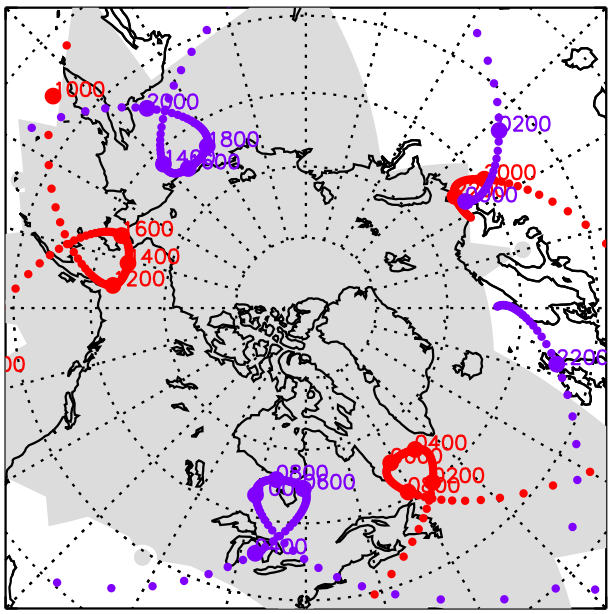
ker zho

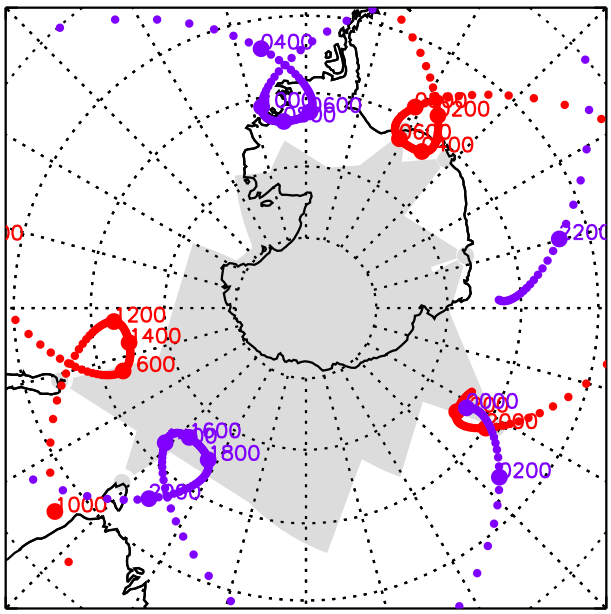


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

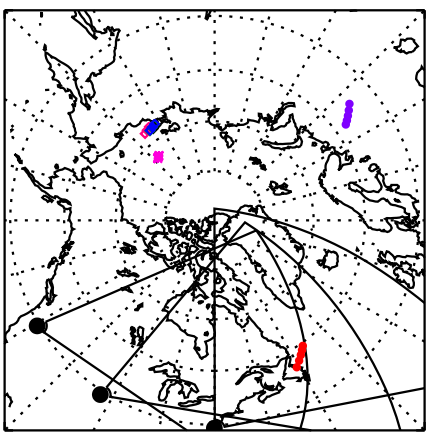
05–Feb–2013

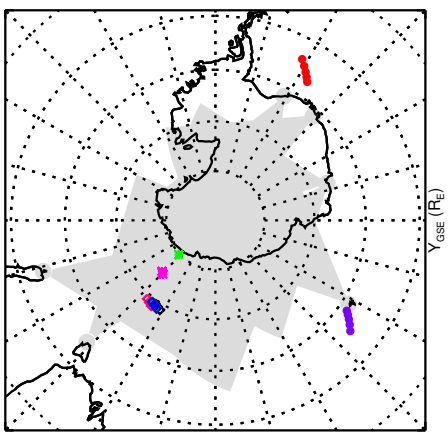
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

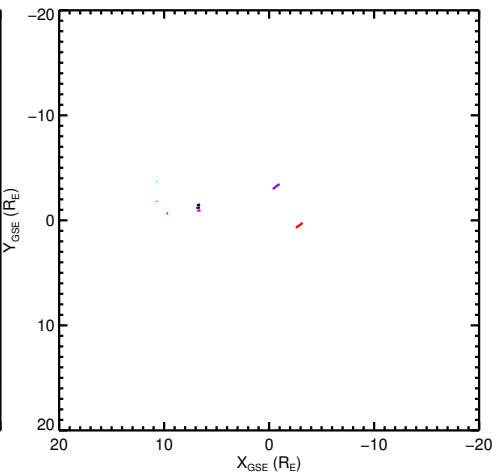




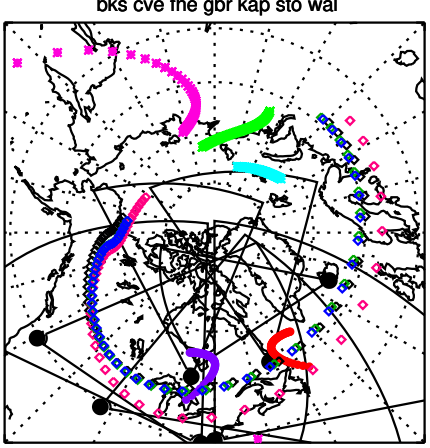
(a) 0135UT to 0155UT
cve fhe wal



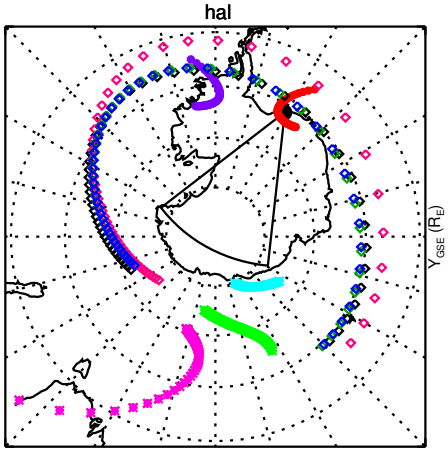


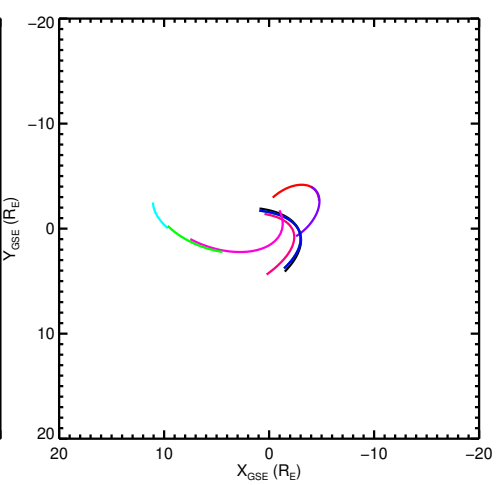


(b) 0405UT to 0825UT
bks cve fhe gbr kap sto wal

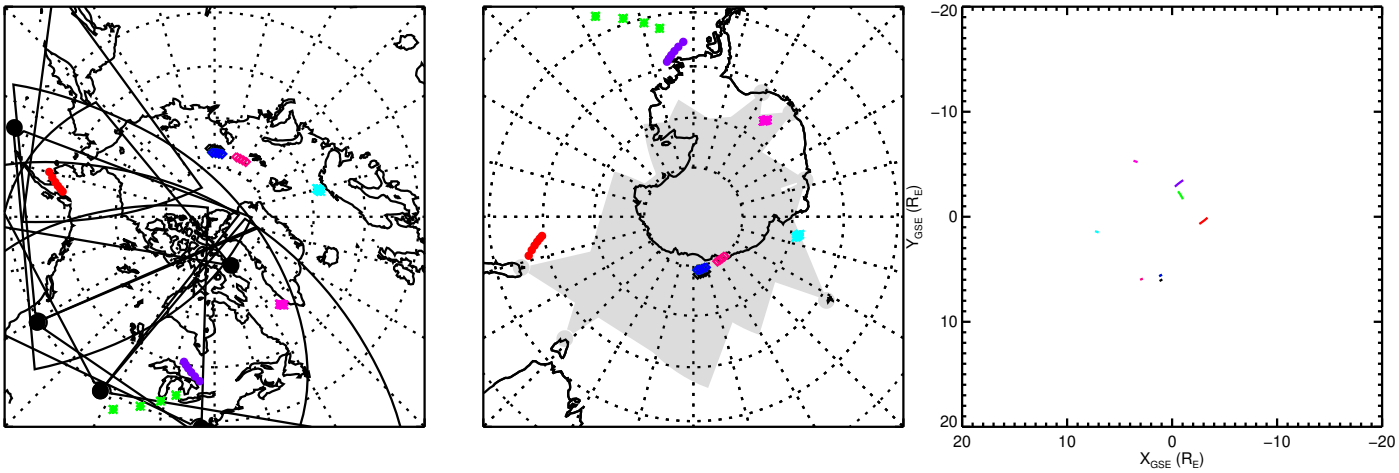


hal



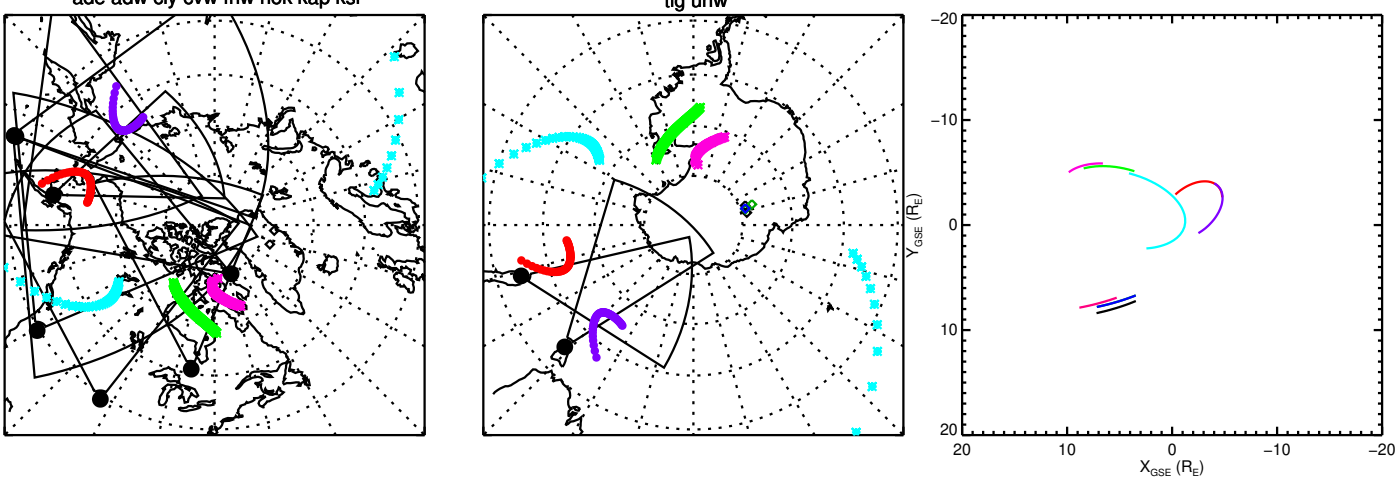


(c) 1035UT to 1100UT
ade bks cly cve cvw fhe fhw hok

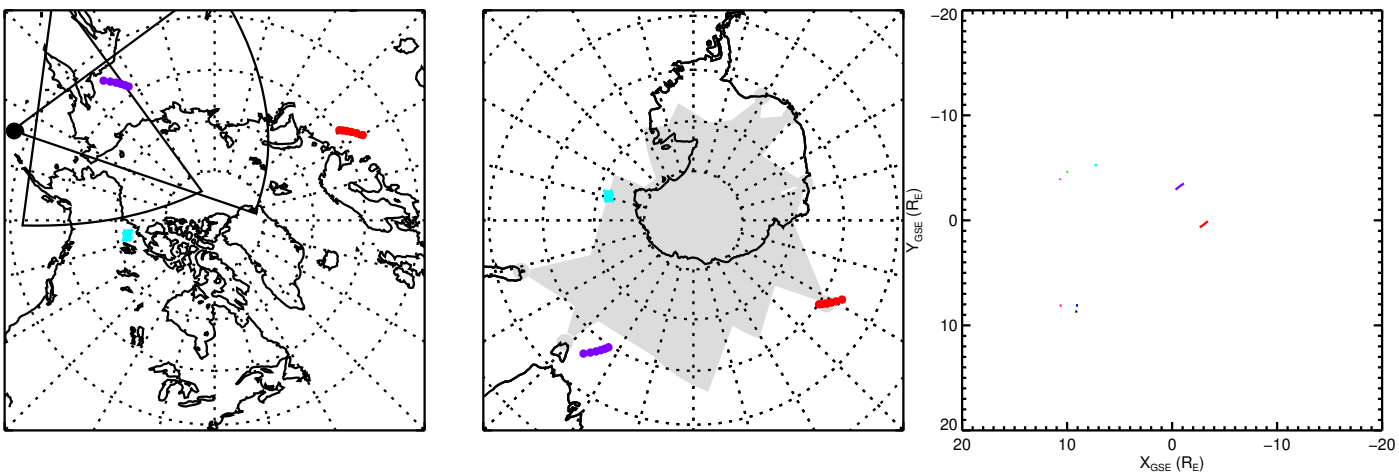


(d) 1305UT to 1725UT
ade adw cly cvw fhw hok kap ksr

tig unw

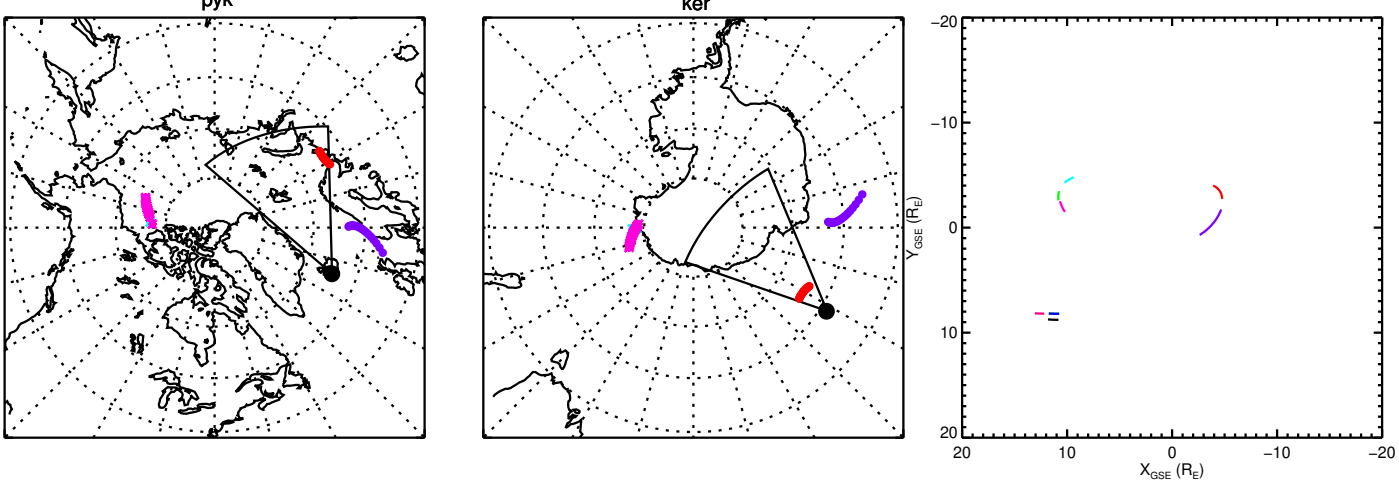


(e) 1935UT to 2000UT
adw hok



(f) 2210UT to 2355UT
pyk

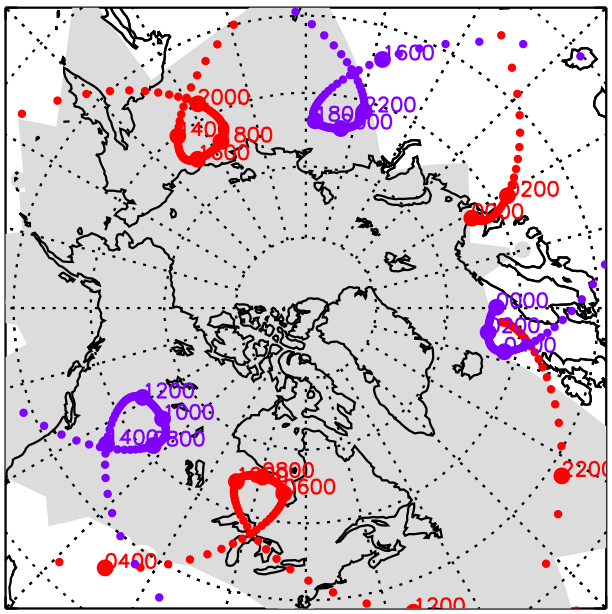
ker

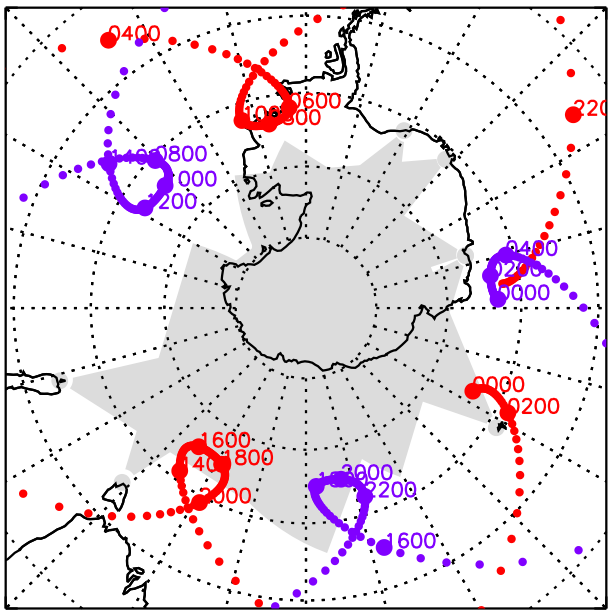


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

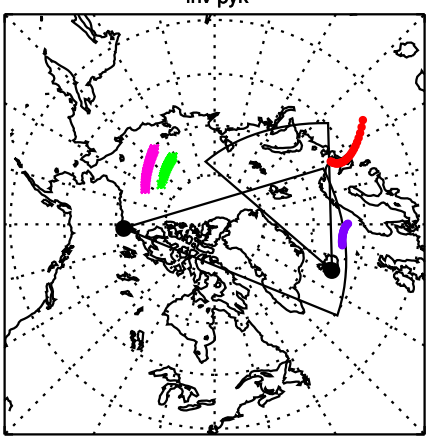
06–Feb–2013

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

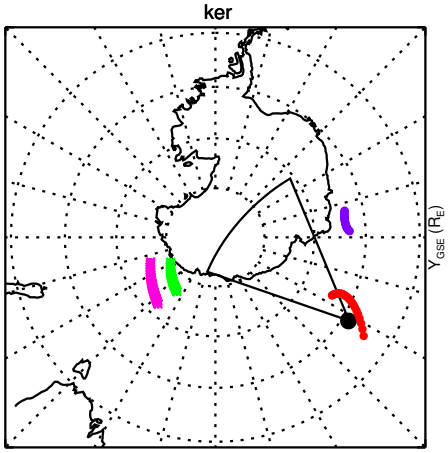


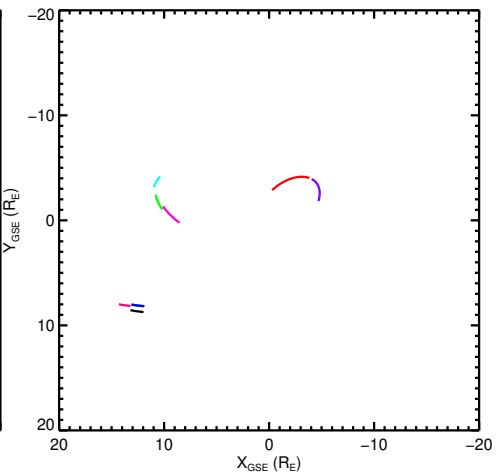


(a) 0000UT to 0225UT
inv pyk

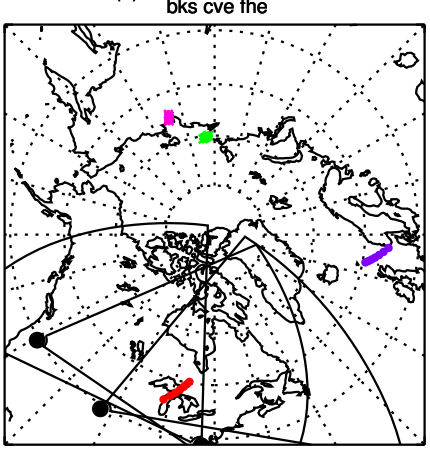


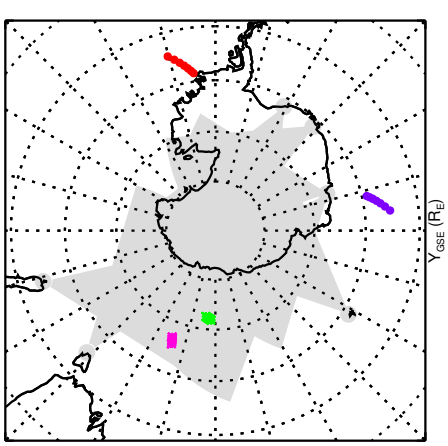
ker

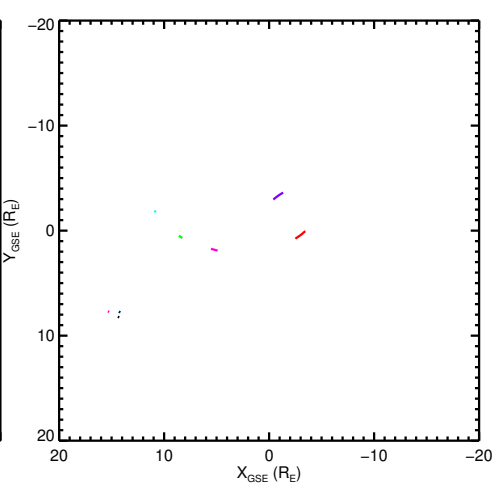




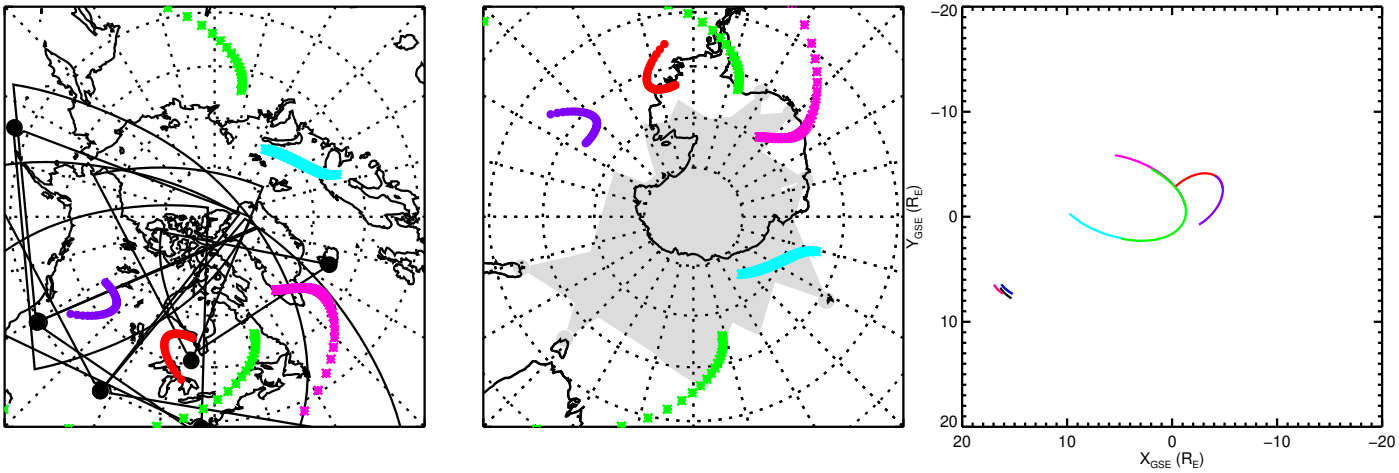
(b) 0430UT to 0500UT
bks cve fhe





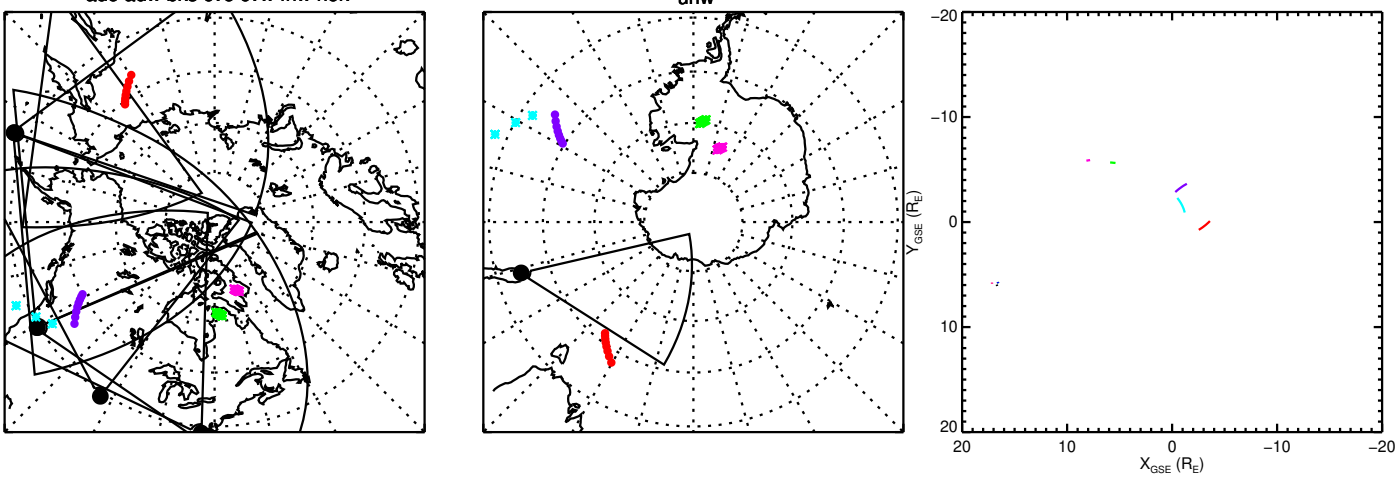


(c) 0710UT to 1125UT
ade bks cve cvw fhe fhw kap sto



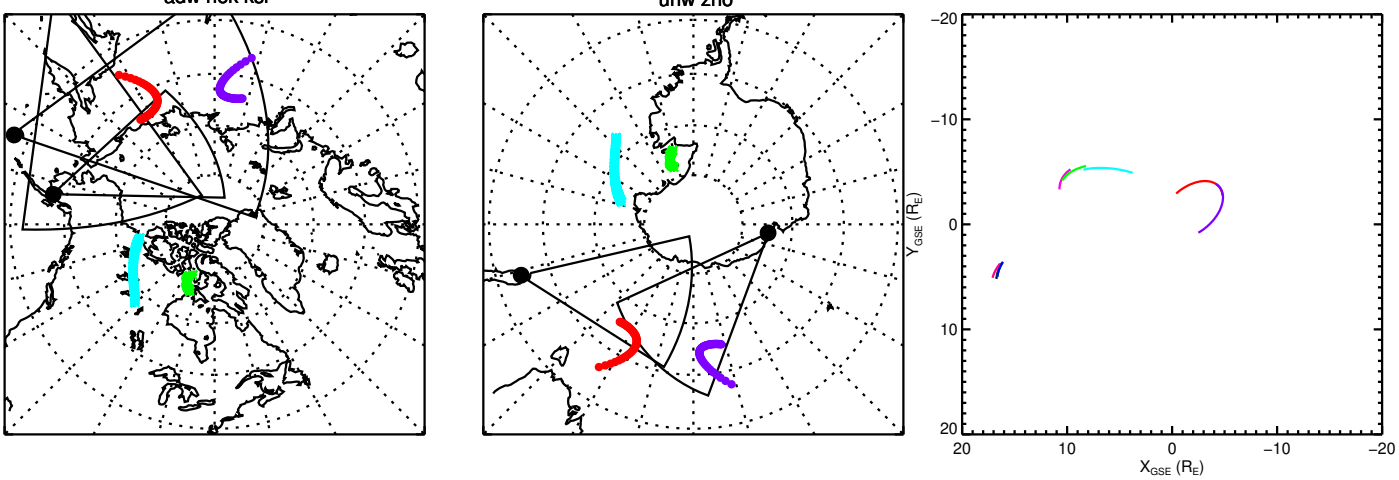
(d) 1330UT to 1405UT
ade adw bks cve cvw fhw hok

unw

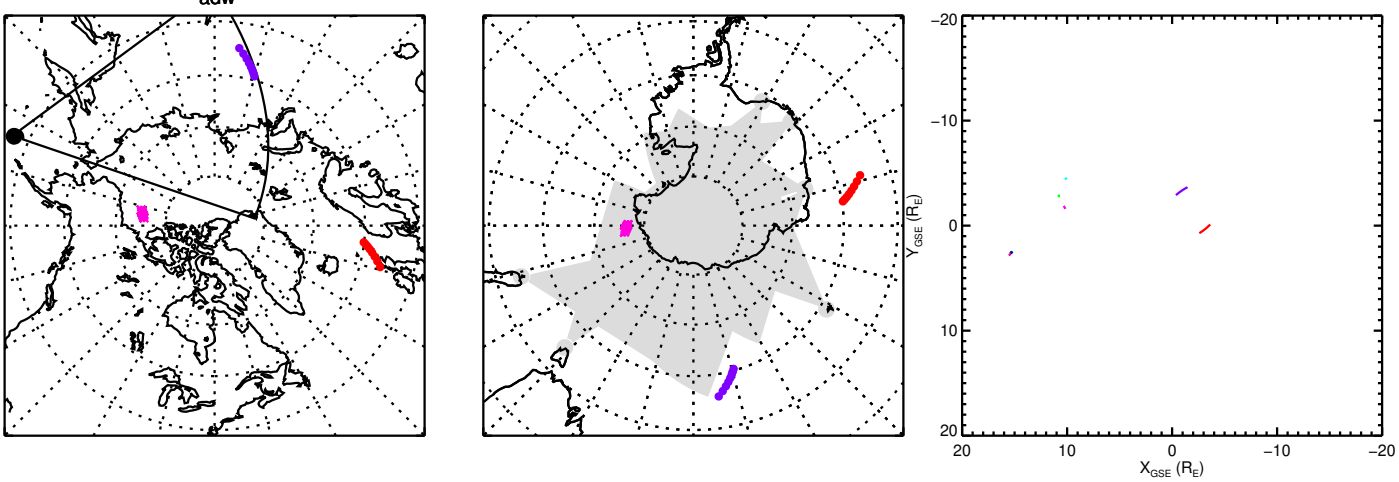


(e) 1610UT to 2020UT
adw hok ksr

unw zho



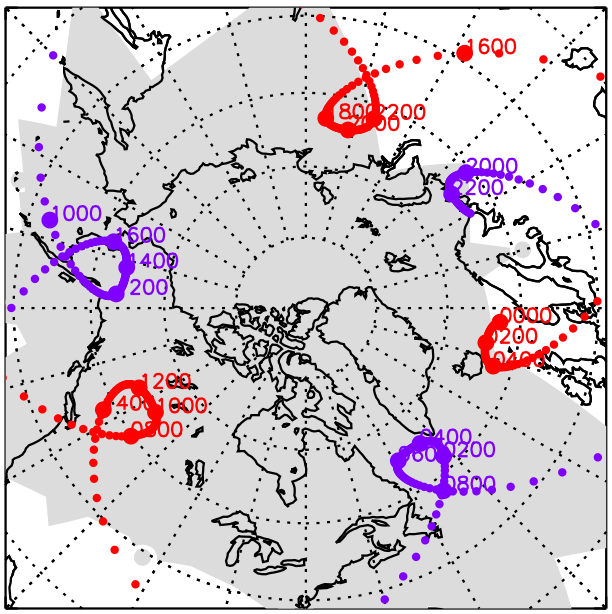
(f) 2230UT to 2305UT
adw

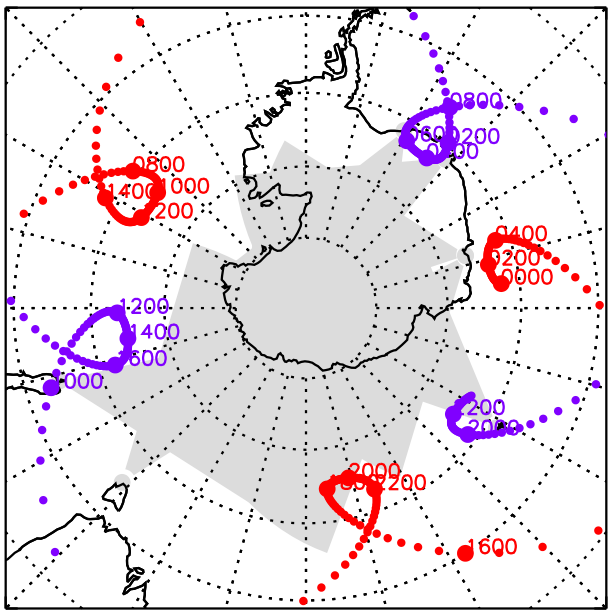


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

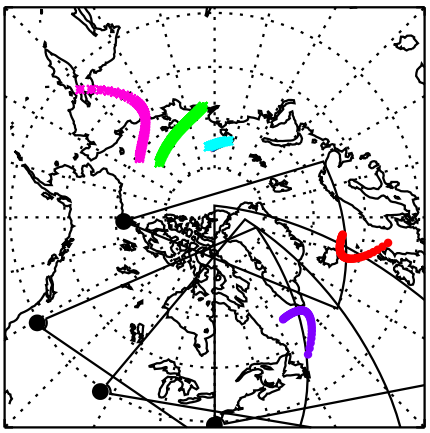
07–Feb–2013

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

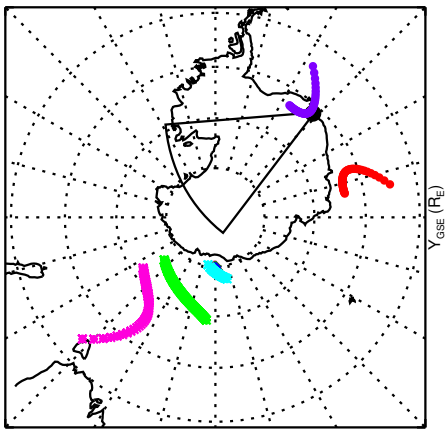


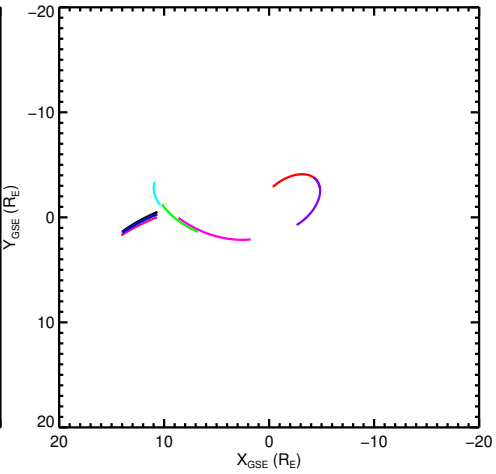


(a) 0115UT to 0520UT
cve fhe inv wal

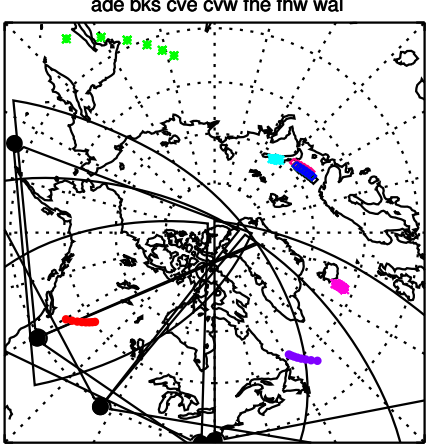


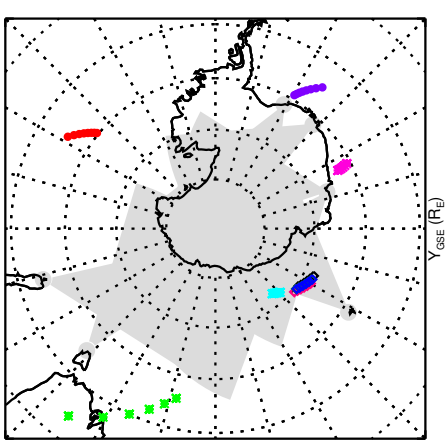
san

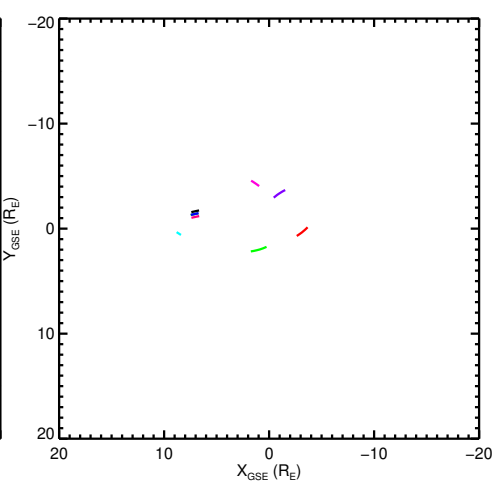




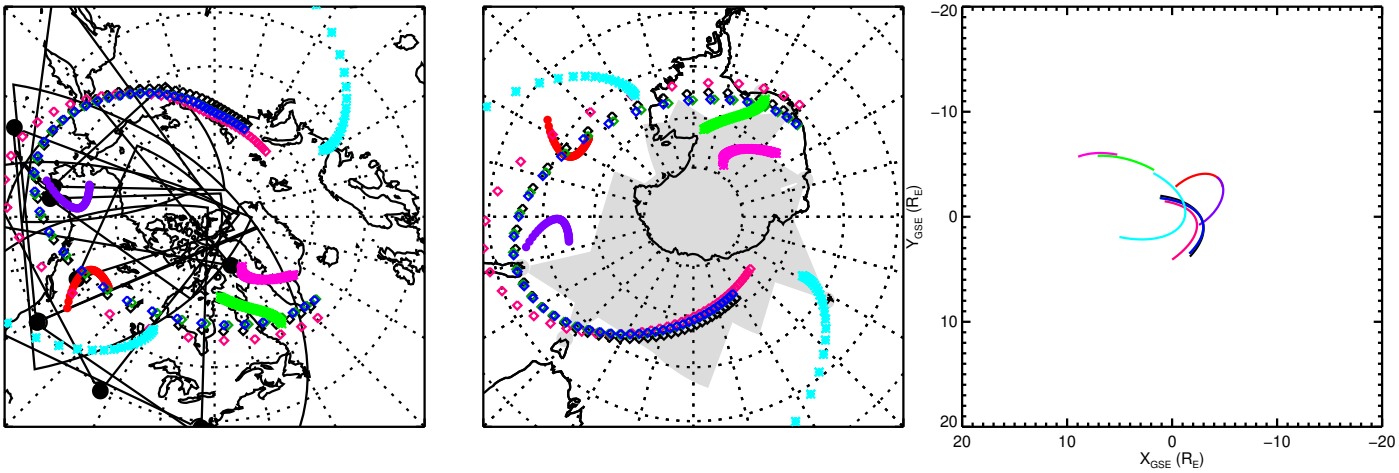
(b) 0730UT to 0805UT
ade bks cve cvw fhe fhw wal





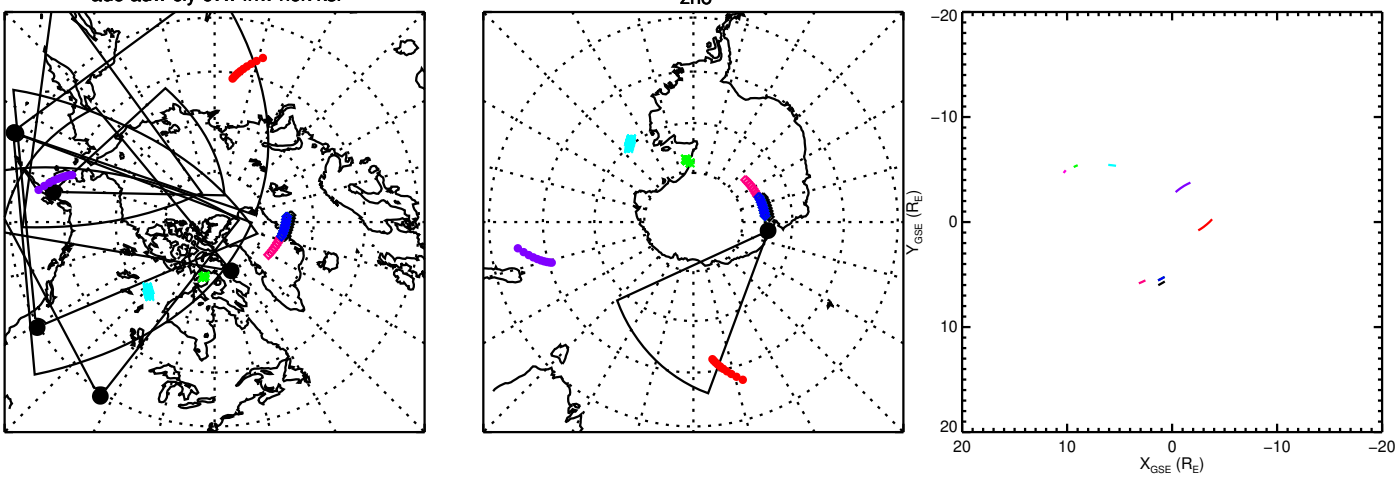


(c) 1015UT to 1420UT
ade bks cly cve cvw fhw hok kod ksr pgr



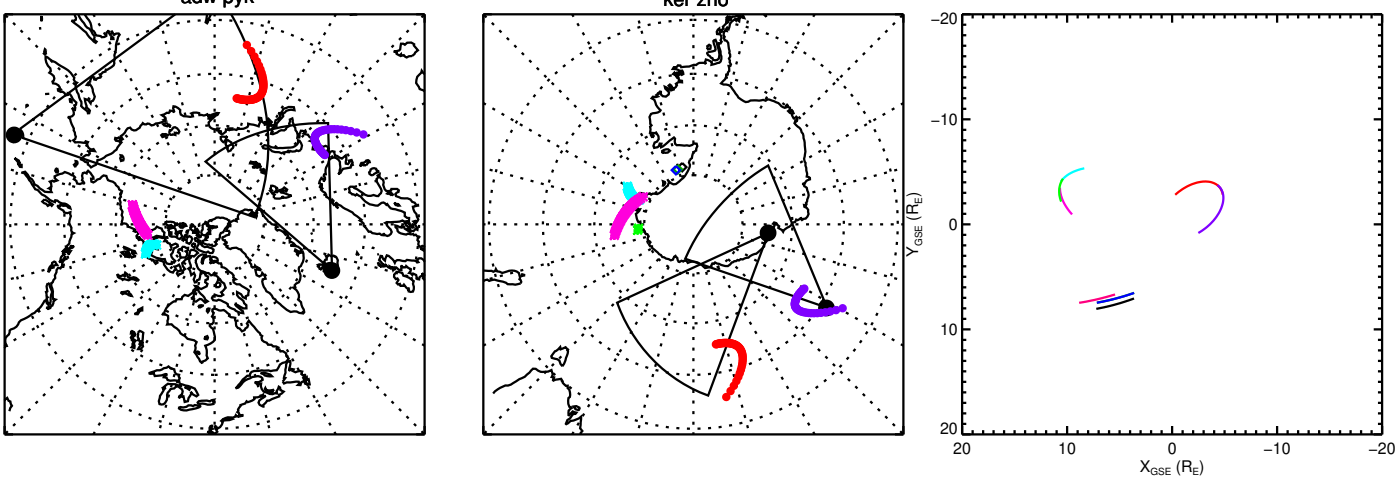
(d) 1625UT to 1710UT
ade adw cly cvw fhw hok ksr

zho



(e) 1915UT to 2320UT
adw pyk

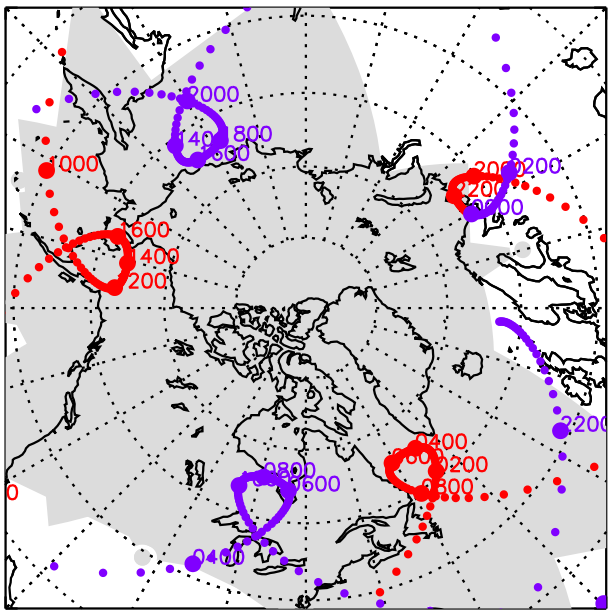
ker zho

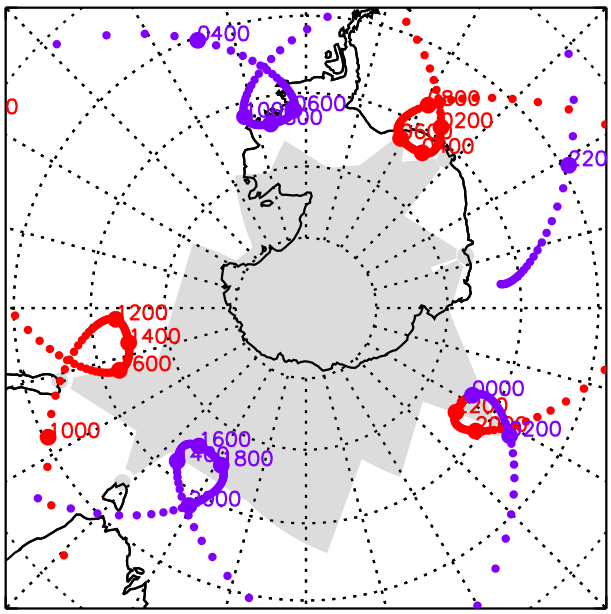


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

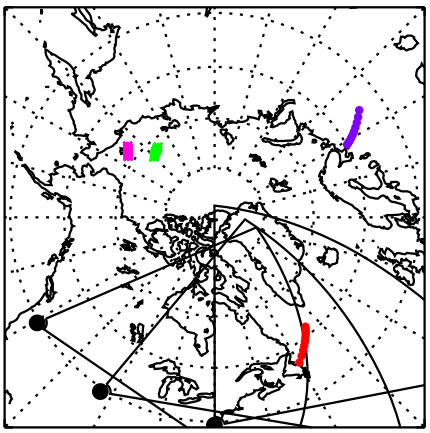
08–Feb–2013

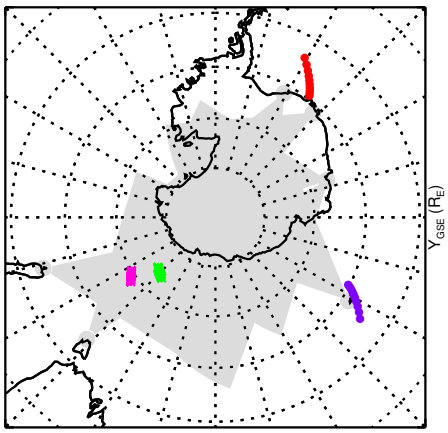
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

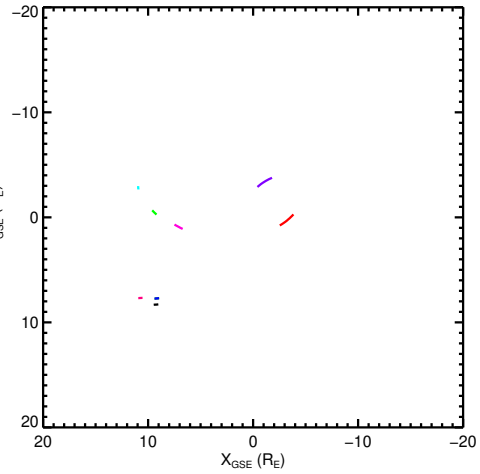




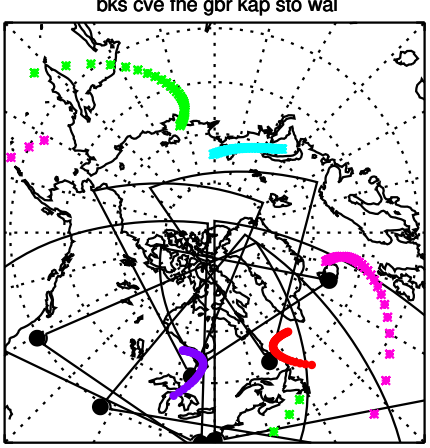
(a) 0125UT to 0210UT
cve fhe wal



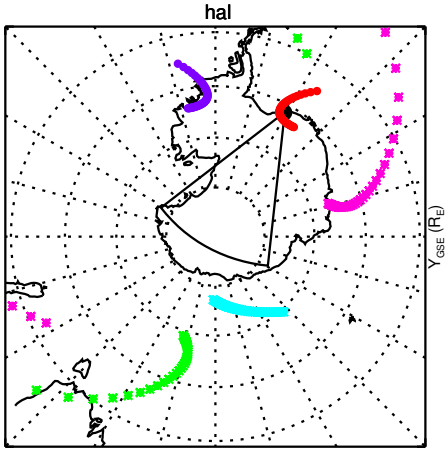


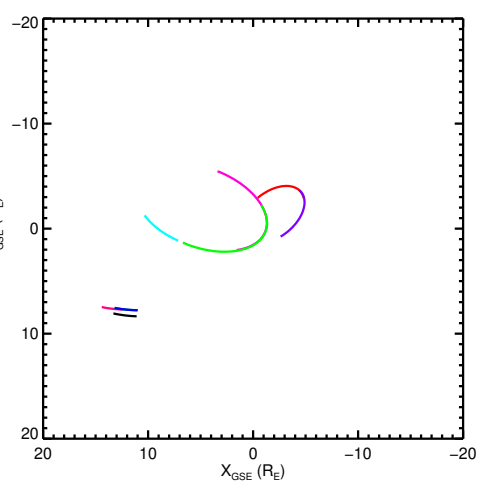


(b) 0420UT to 0815UT
bks cve fhe gbr kap sto wal

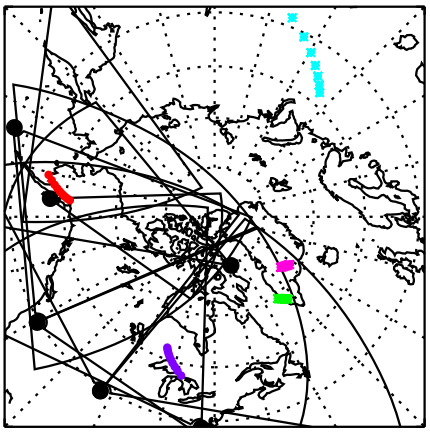


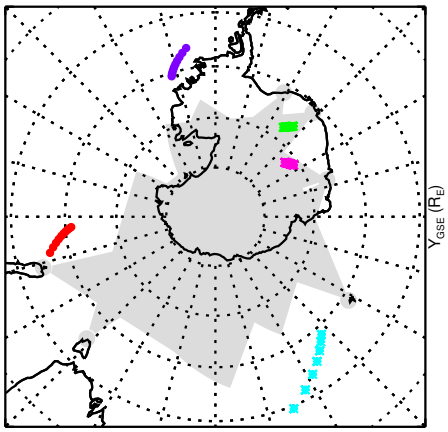
hal

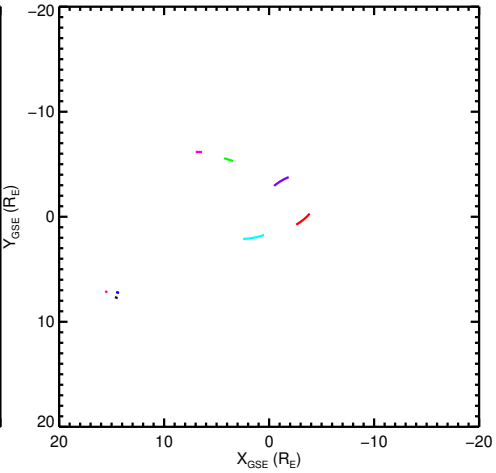




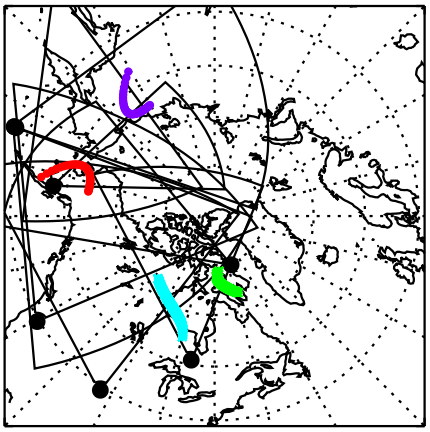
(c) 1025UT to 1110UT
ade bks cly cve cvw fhe fhw hok kod



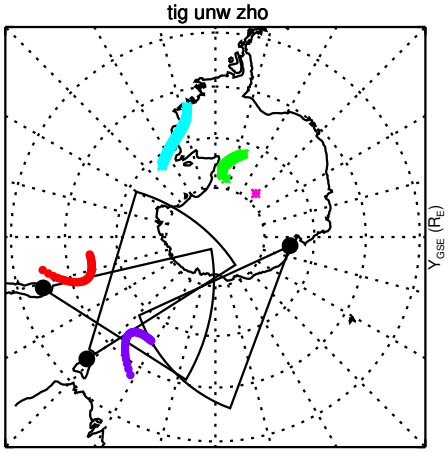


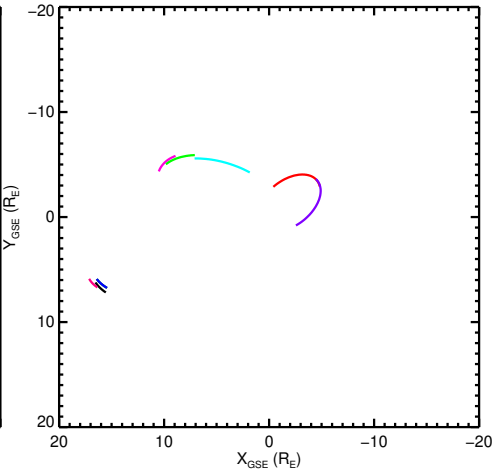


(d) 1320UT to 1715UT
ade adw cly cvw fhw hok kap ksr

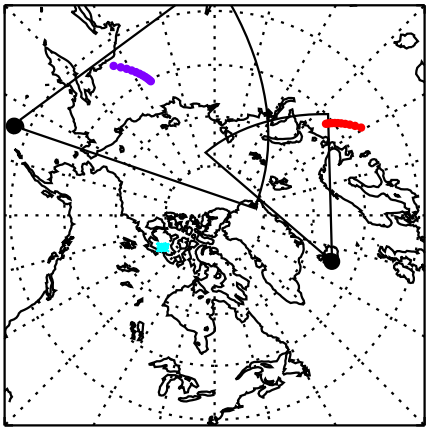


tig unw zho

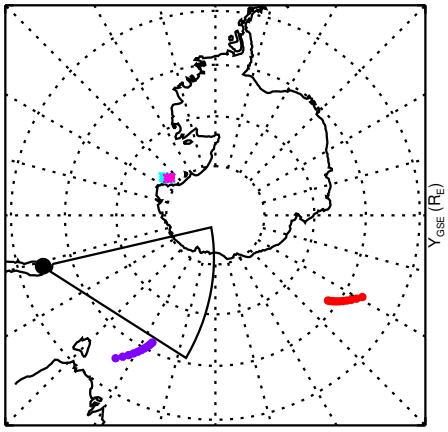


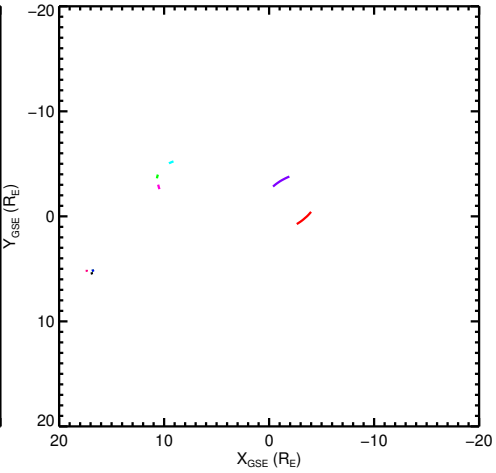


(e) 1925UT to 2015UT
adw pyk

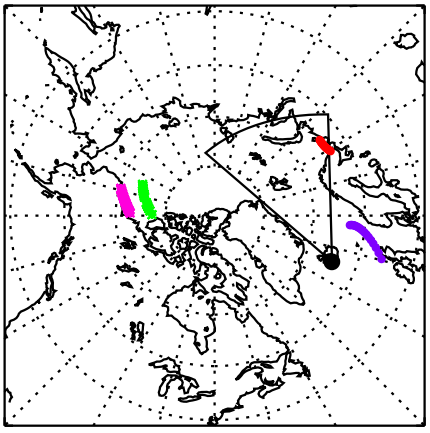


unw

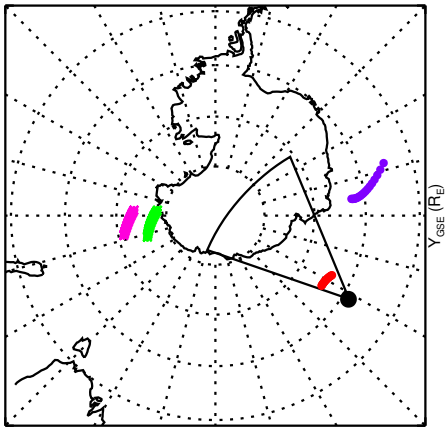


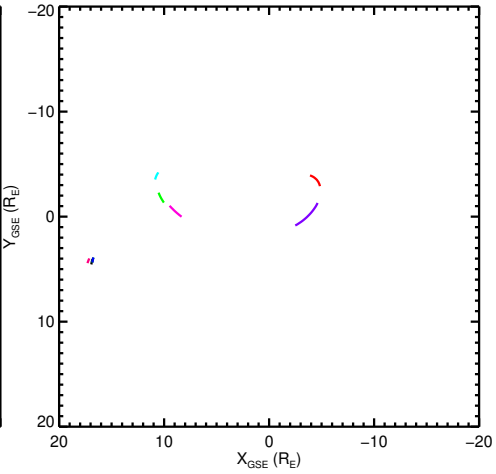


(f) 2220UT to 2355UT
pyk



ker

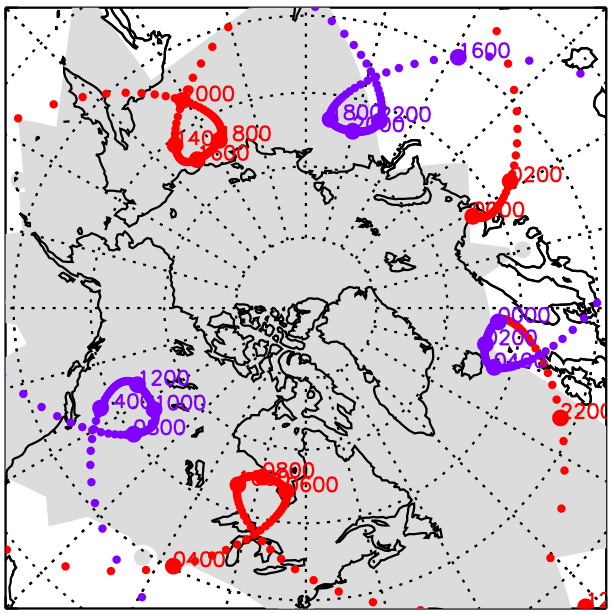


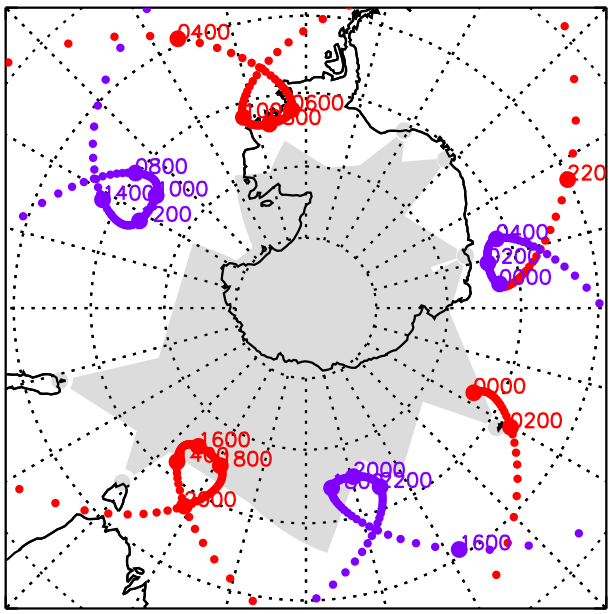


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

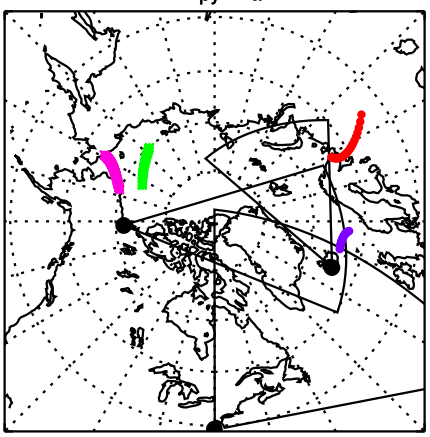
09–Feb–2013

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

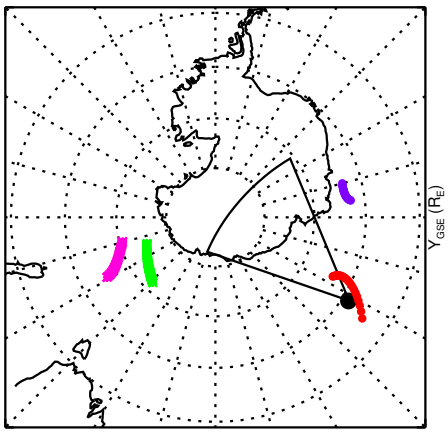


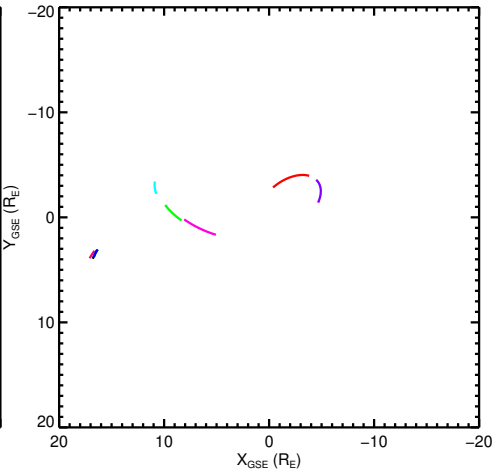


(a) 0000UT to 0215UT
inv pyk wal

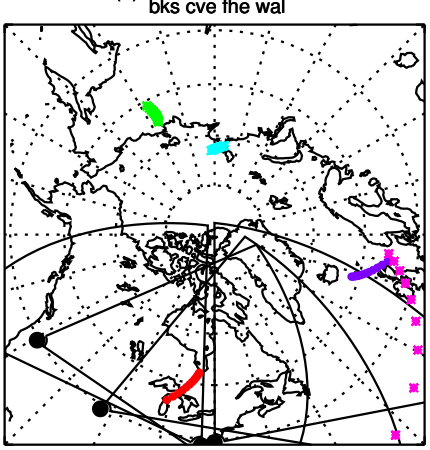


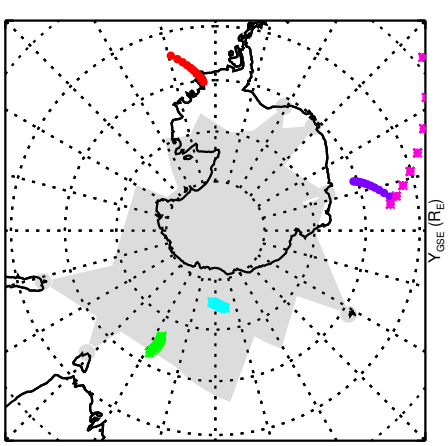
ker

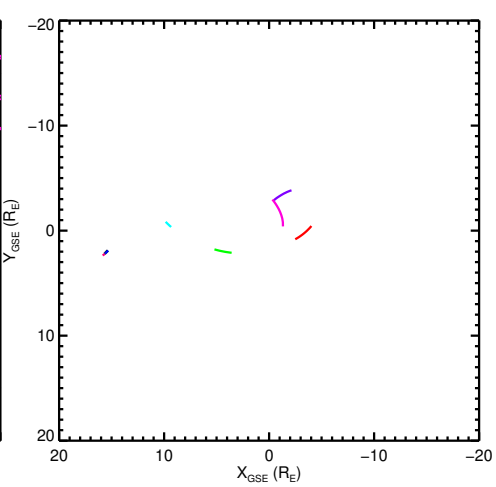




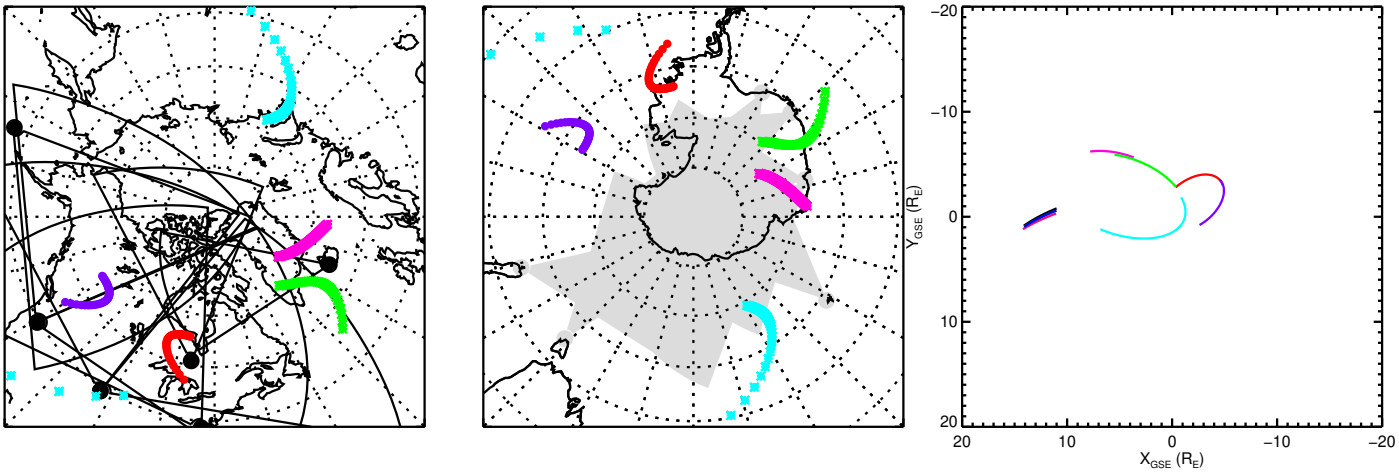
(b) 0420UT to 0515UT
bks cve fhe wal





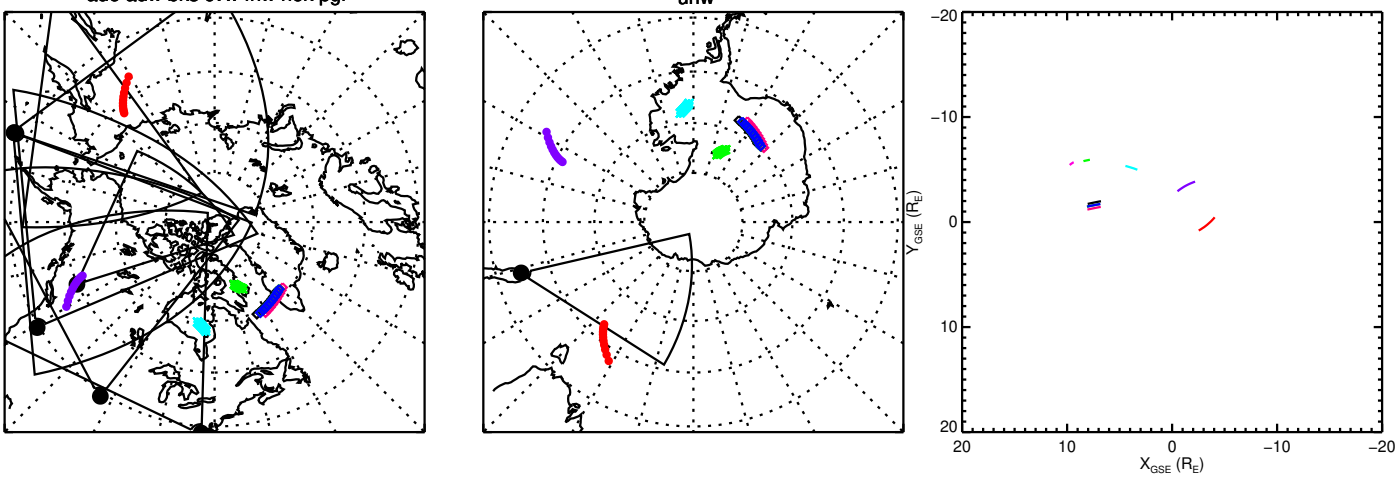


(c) 0725UT to 1115UT
ade bks cve cvw fhe fhw kap sto



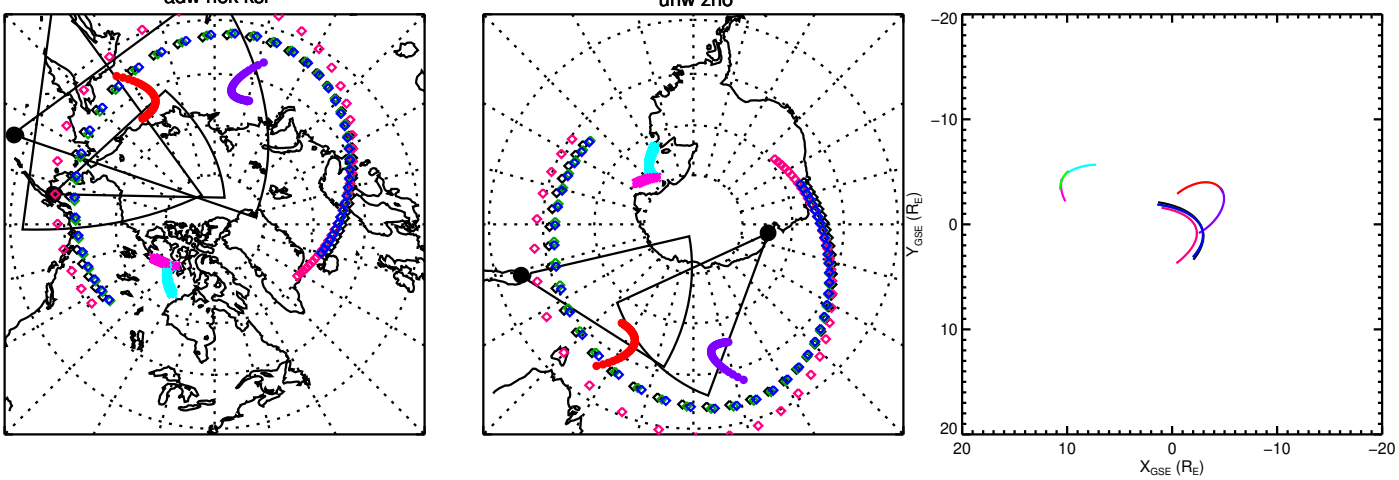
(d) 1320UT to 1415UT
ade adw bks cvw fhw hok pgr

unw

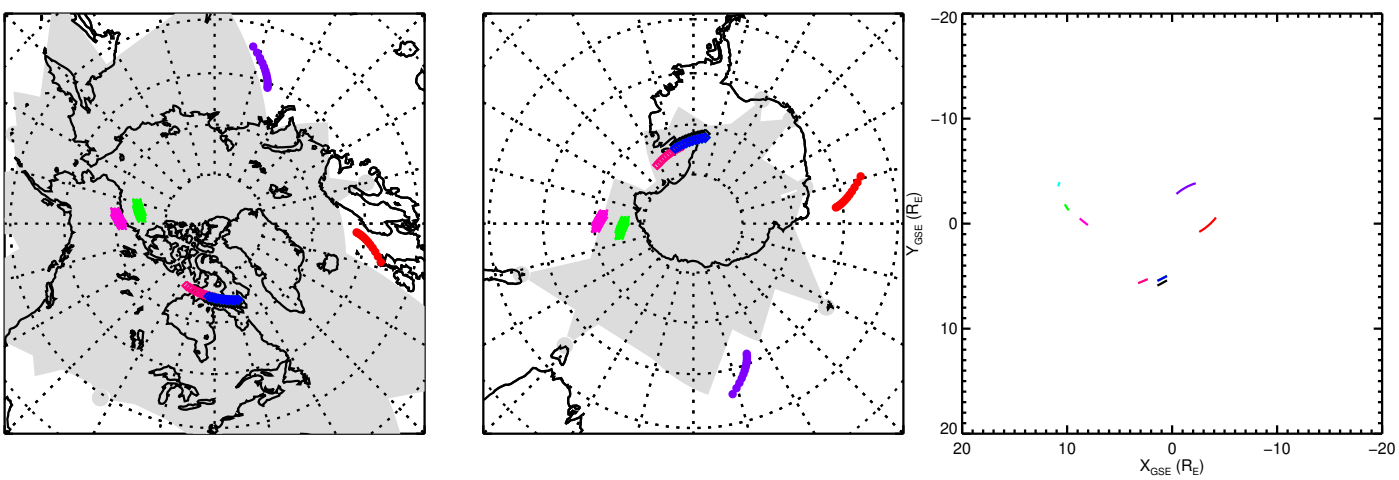


(e) 1625UT to 2010UT
adw hok ksr

unw zho



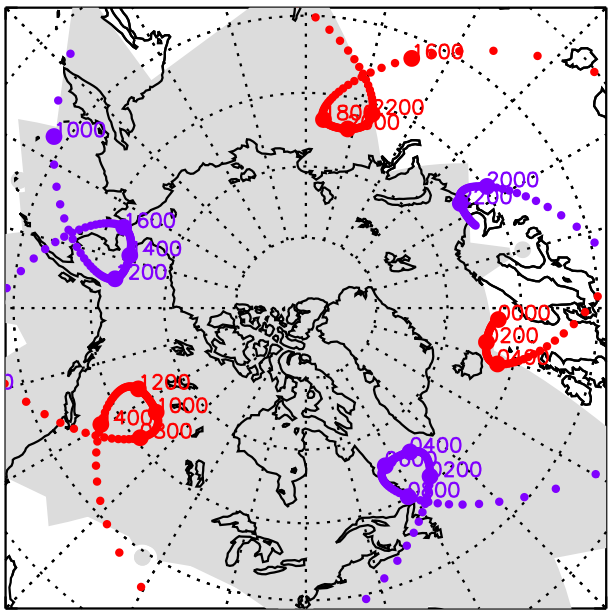
(f) 2220UT to 2320UT

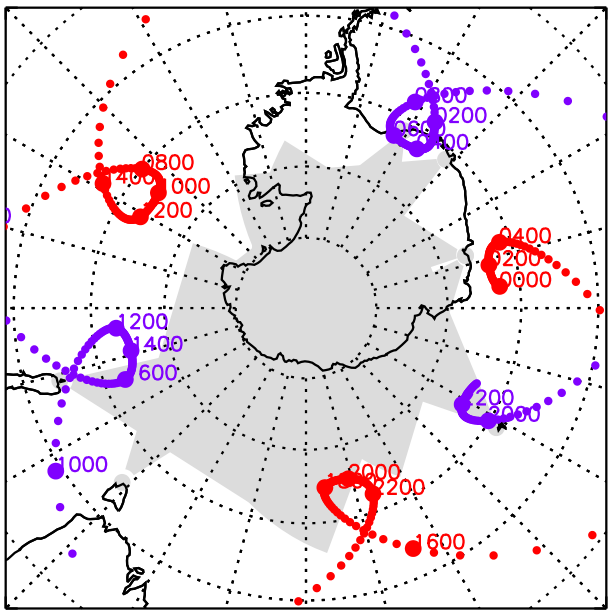


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

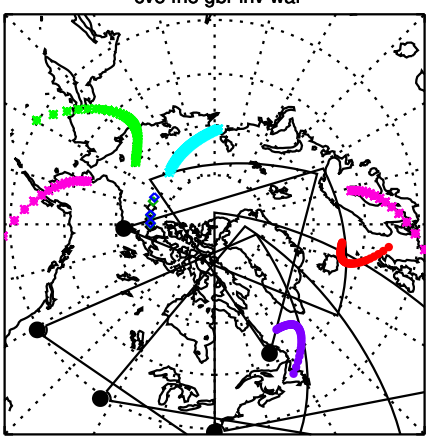
10–Feb–2013

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

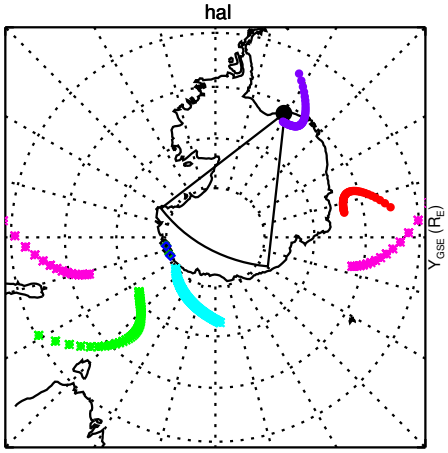


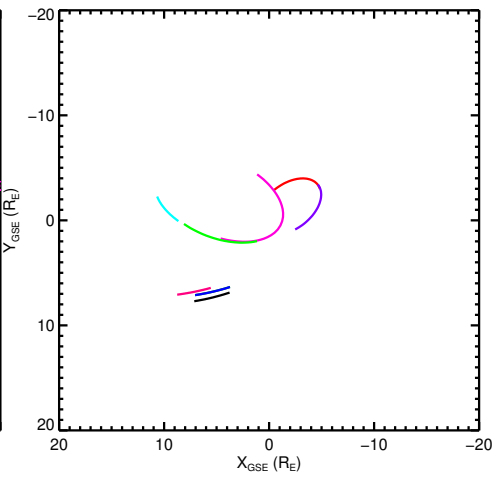


(a) 0125UT to 0510UT
cve fhe gbr inv wal

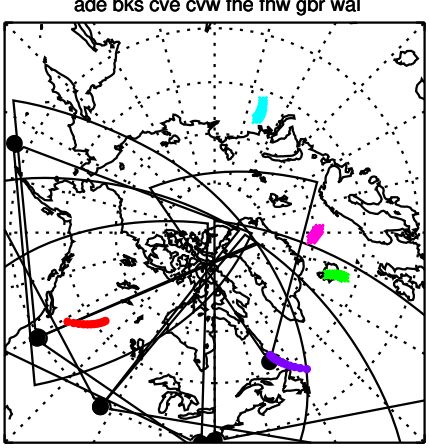


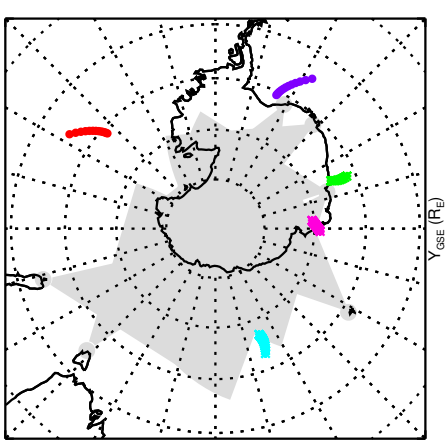
hal

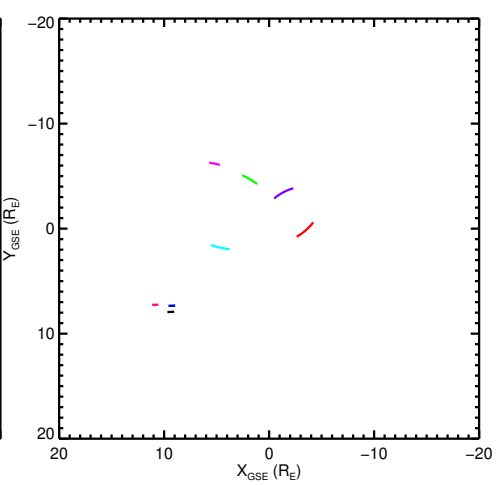




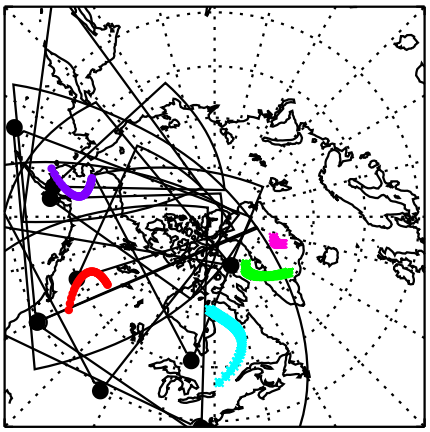
(b) 0720UT to 0820UT
ade bks cve cvw fhe fhw gbr wal

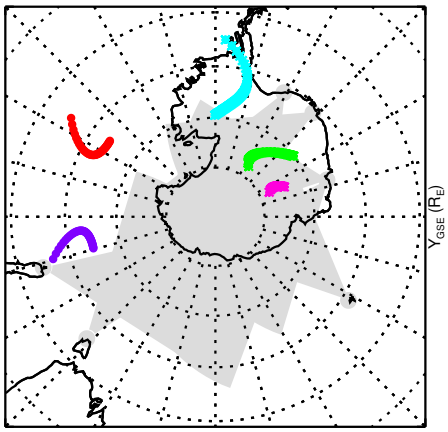


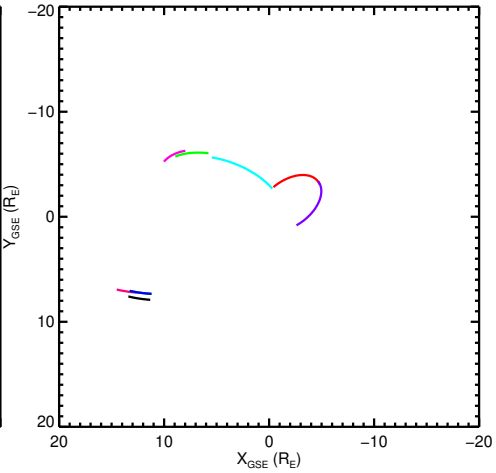




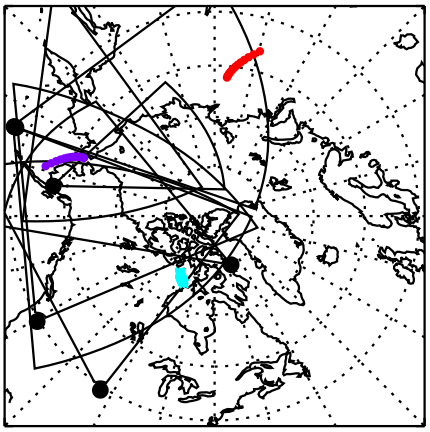
(c) 1030UT to 1410UT
ade bks cly cve cvw fhw hok kap kod ksr pgr



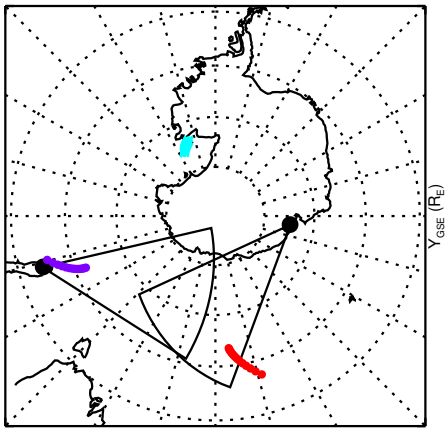


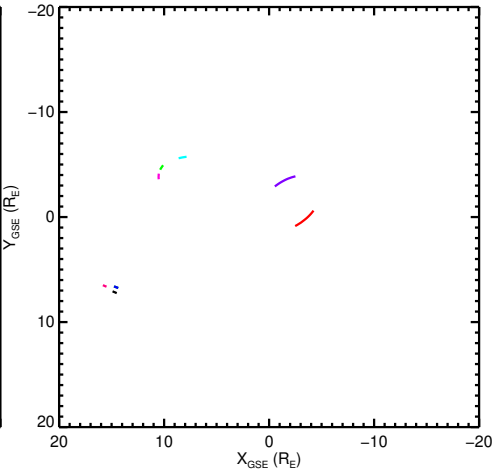


(d) 1615UT to 1720UT
ade adw cly cvw fhw hok ksr

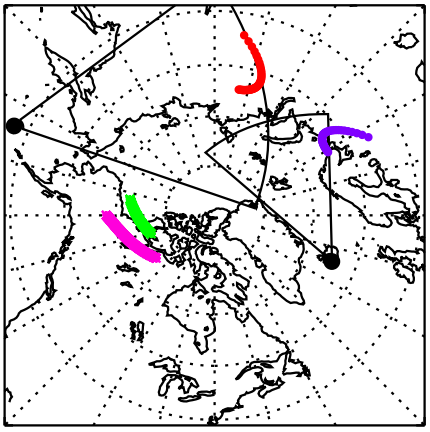


unw zho

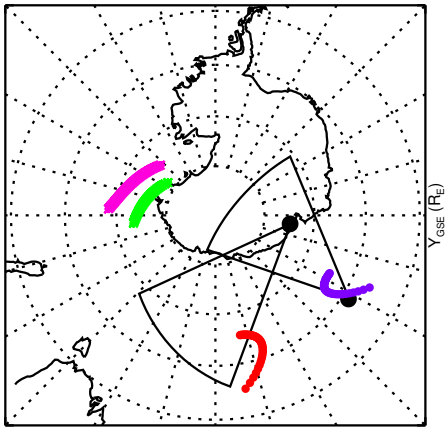


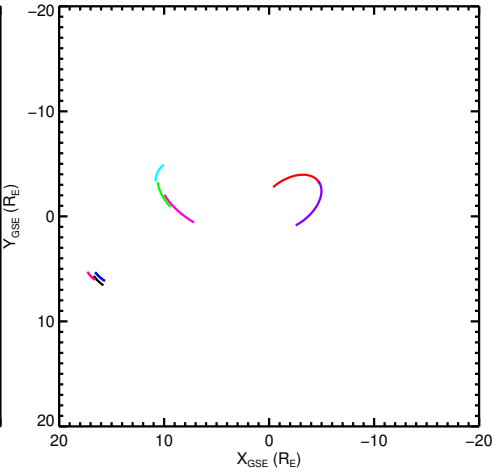


(e) 1930UT to 2310UT
adw pyk



ker zho

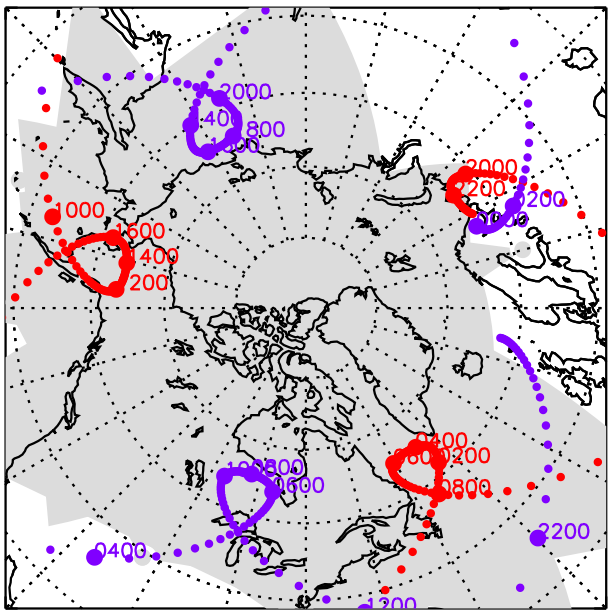


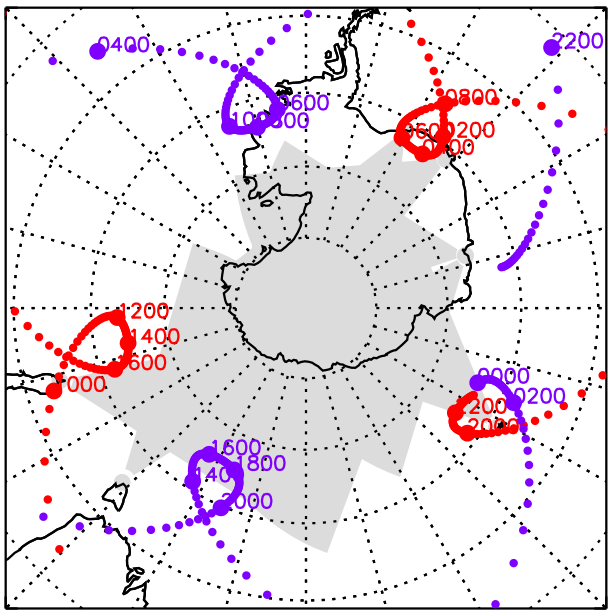


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

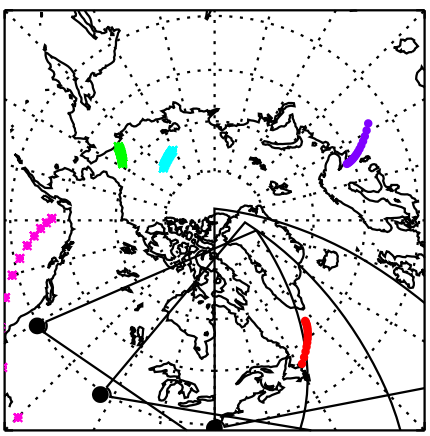
11–Feb–2013

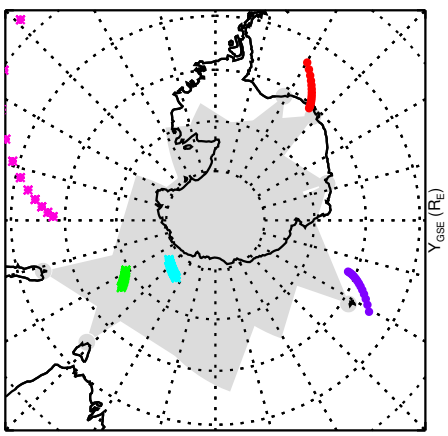
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

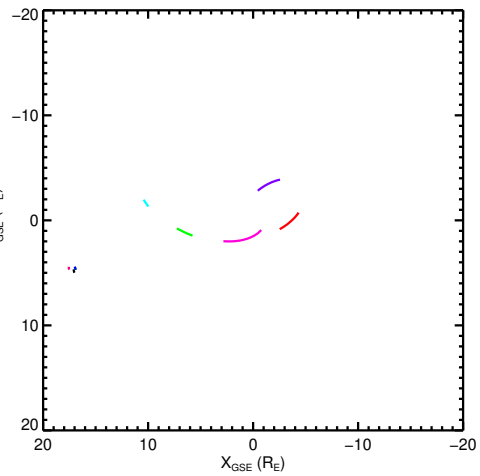




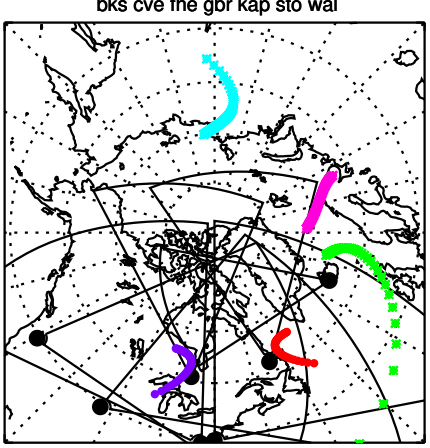
(a) 0115UT to 0225UT
cve fhe wal



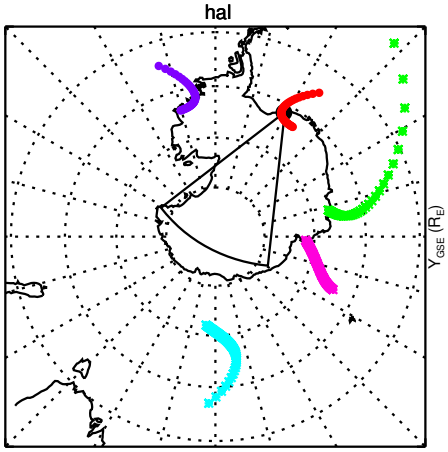


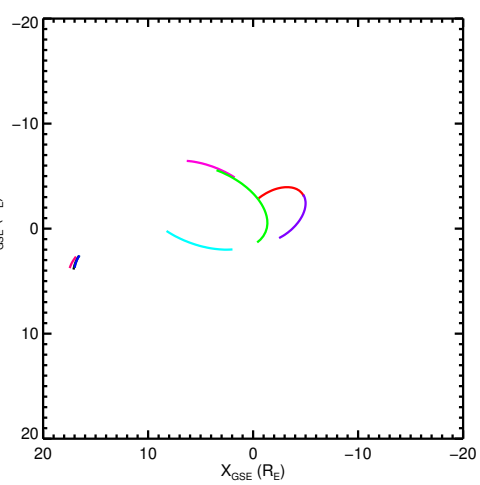


(b) 0430UT to 0805UT
bks cve fhe gbr kap sto wal

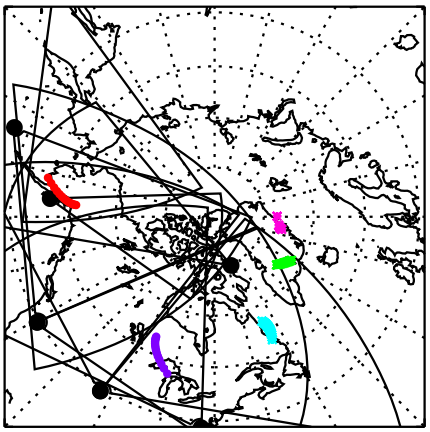


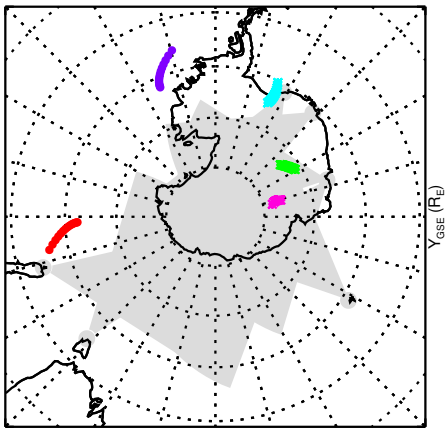
hal

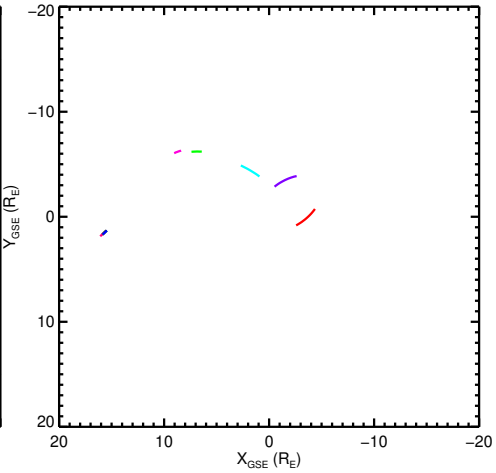




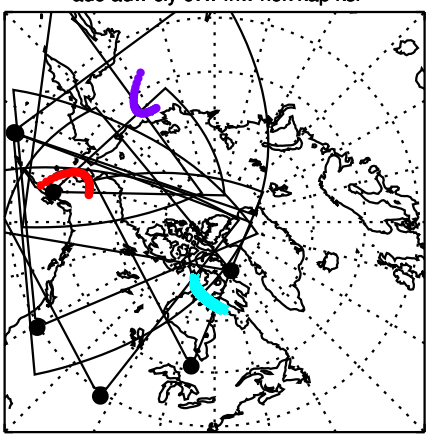
(c) 1015UT to 1125UT
ade bks cly cve cvw fhe fhw hok kod



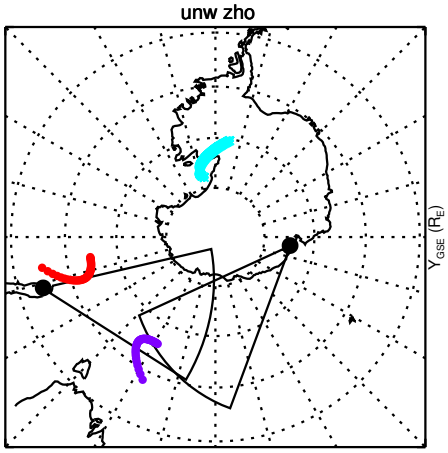


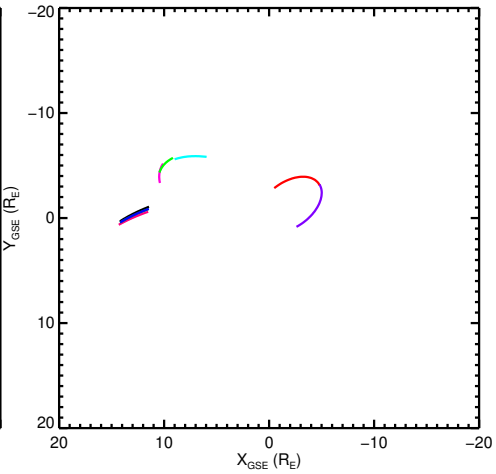


(d) 1335UT to 1705UT
ade adw cly cvw fhw hok kap ksr

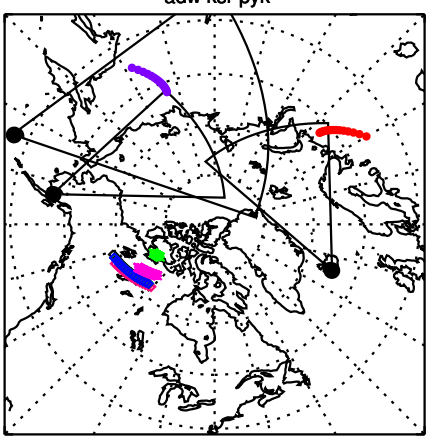


unw zho

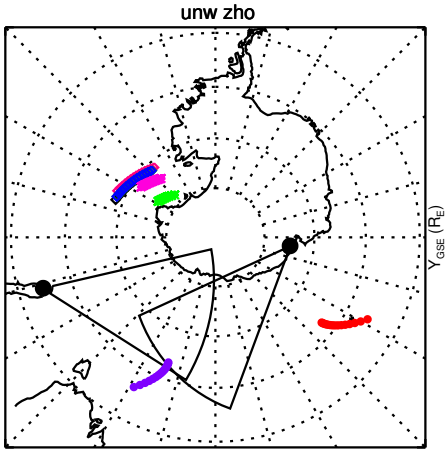


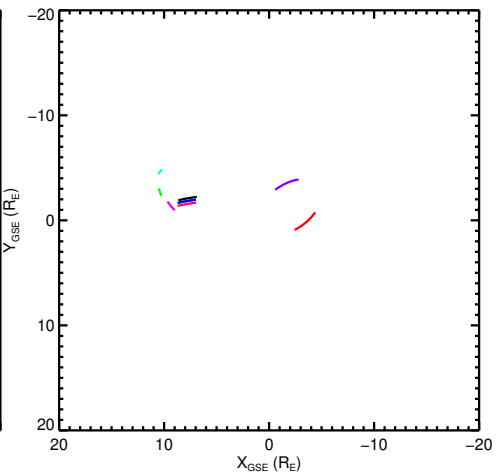


(e) 1910UT to 2025UT
adw ksr pyk

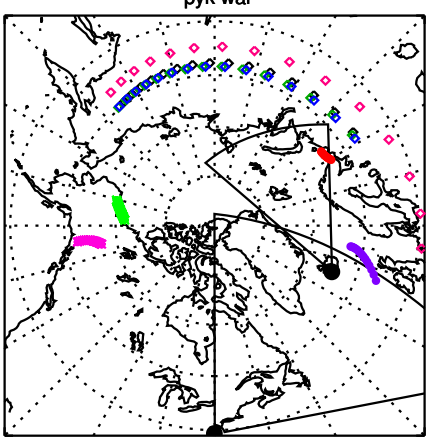


unw zho

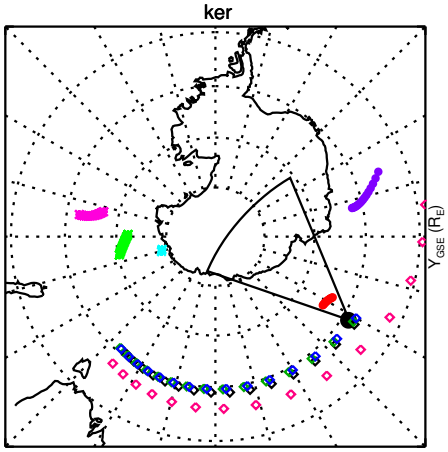


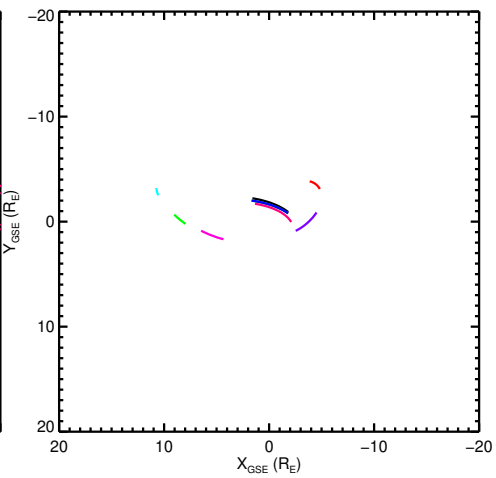


(f) 2235UT to 2355UT
pyk wal



ker

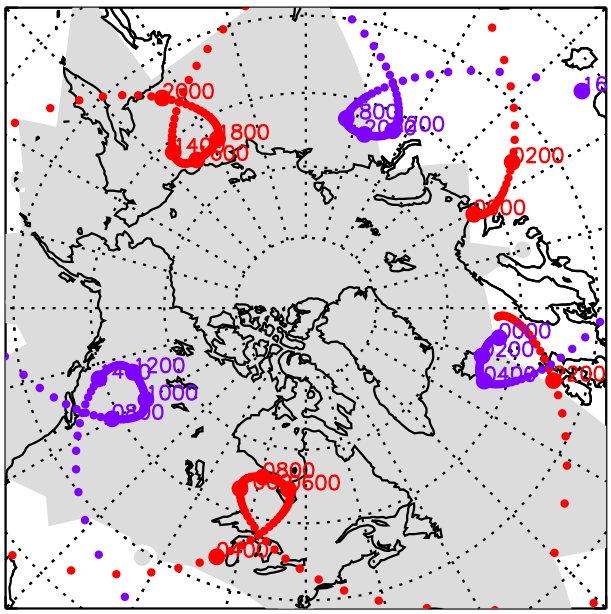


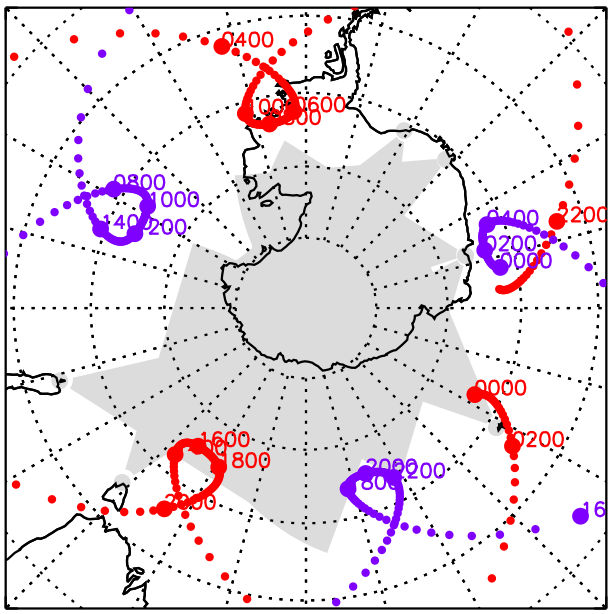


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

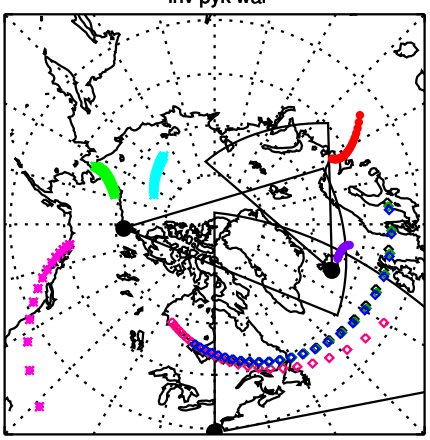
12–Feb–2013

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

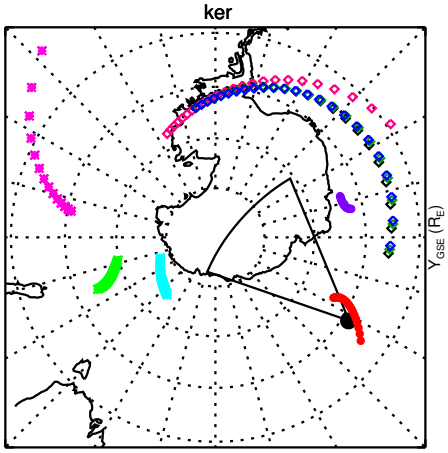


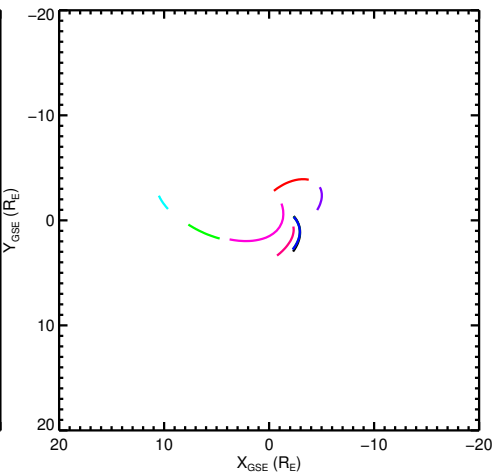


(a) 0000UT to 0205UT
inv pyk wal

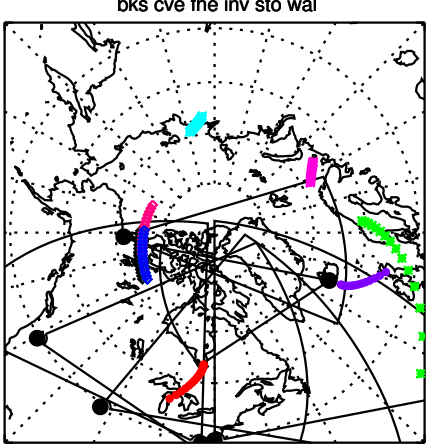


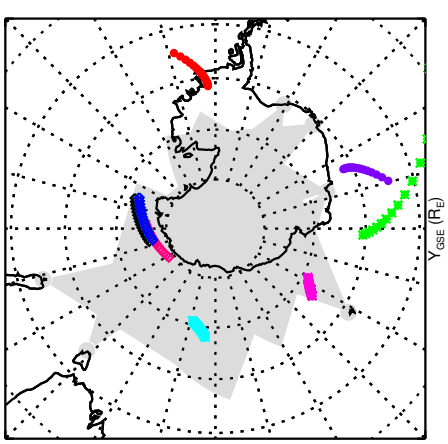
ker

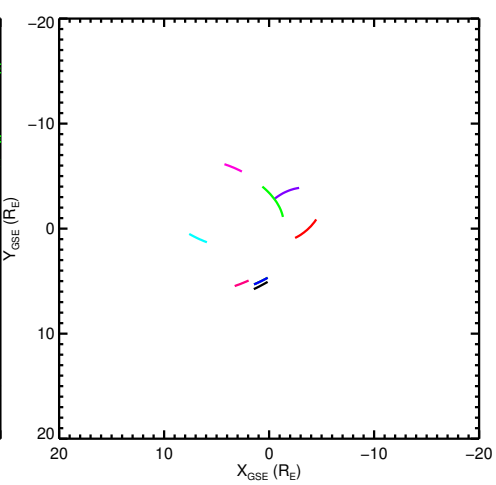




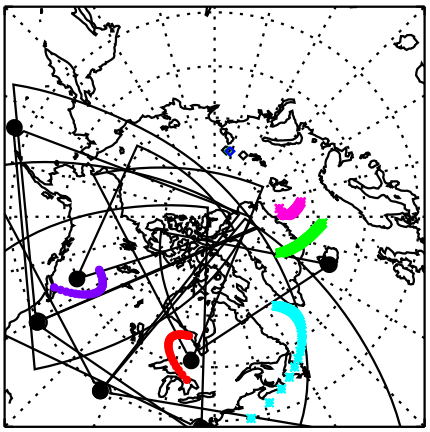
(b) 0410UT to 0530UT
bks cve fhe inv sto wal

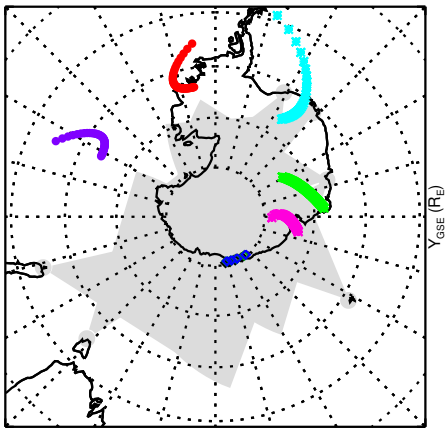


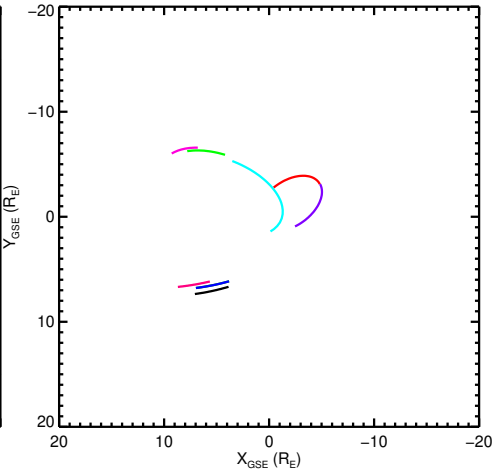




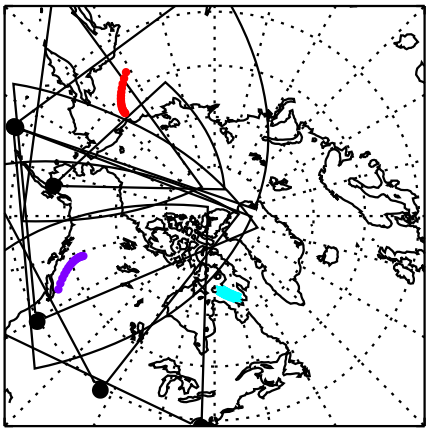
(c) 0735UT to 1105UT
ade bks cve cvw fhe fhw kap pgr sto



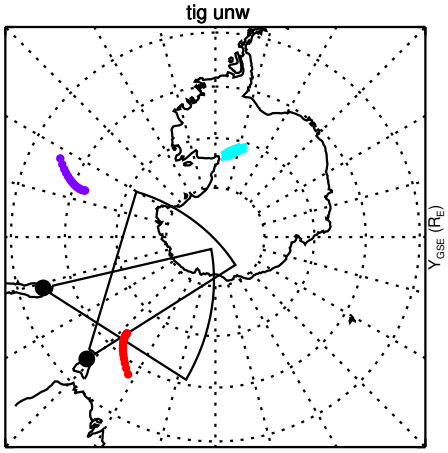


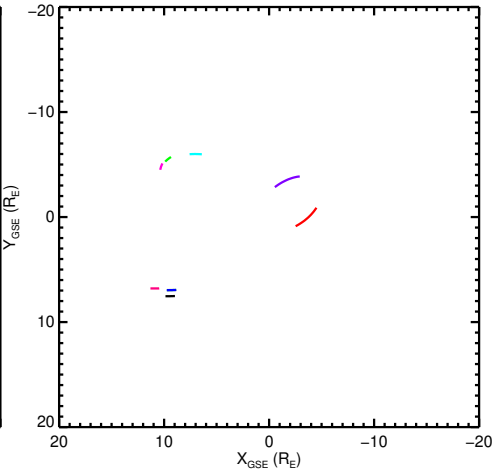


(d) 1310UT to 1430UT
ade adw bks cvw fhw hok ksr

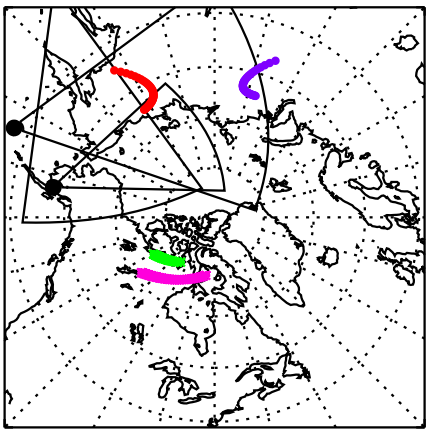


tig unw

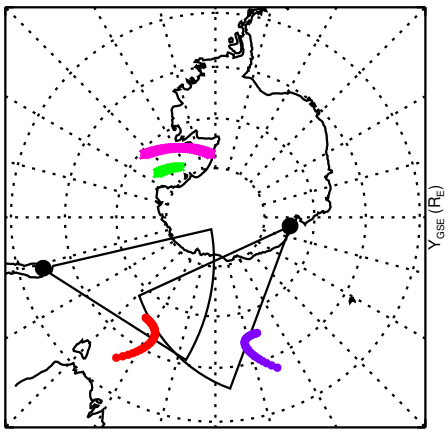


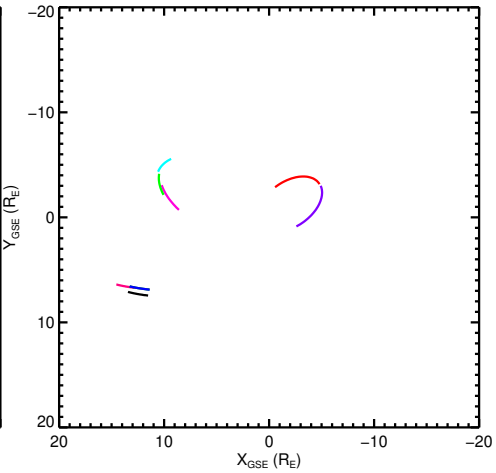


(e) 1640UT to 2000UT
adw hok ksr

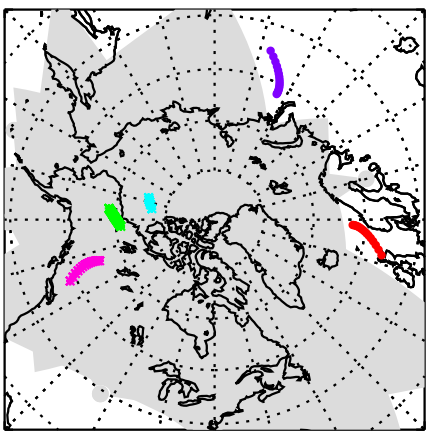


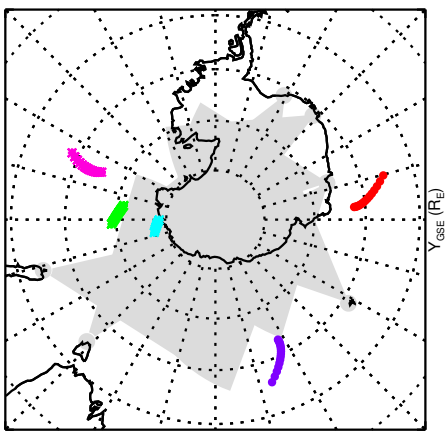
unw zho

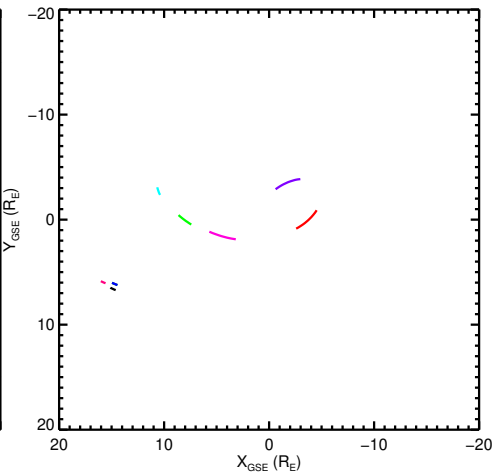




(f) 2210UT to 2330UT



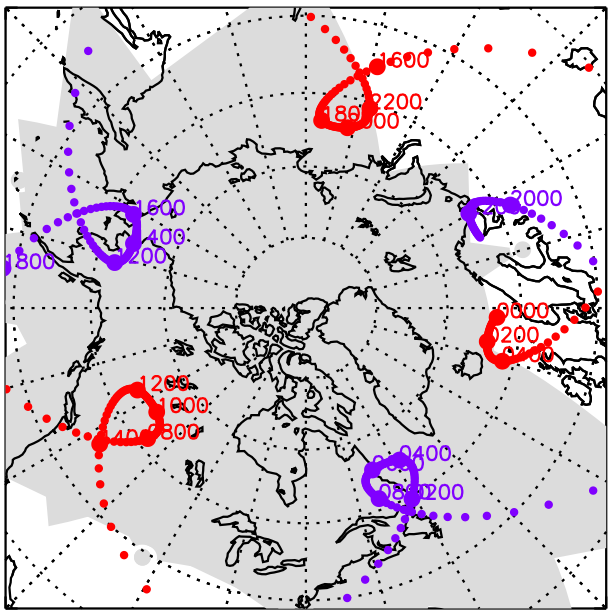


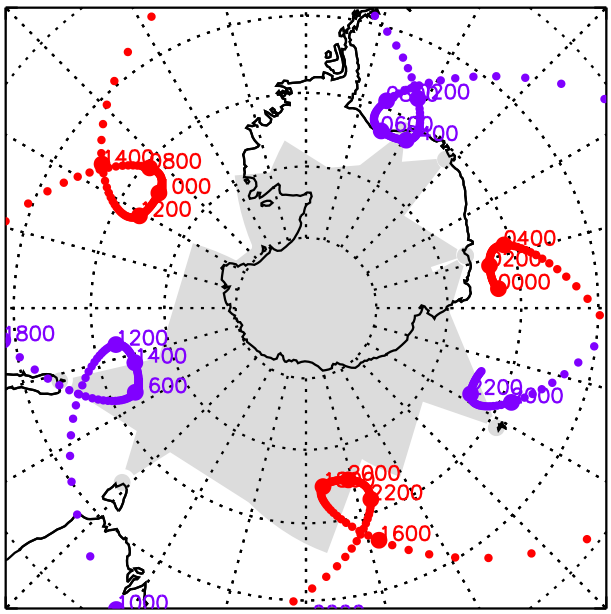


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

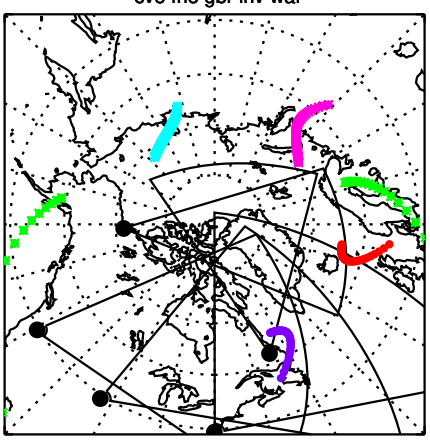
13–Feb–2013

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

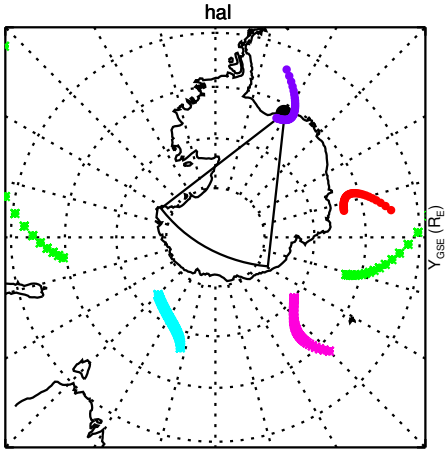


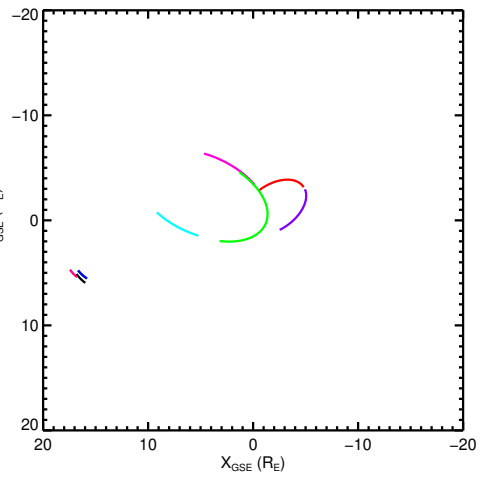


(a) 0140UT to 0500UT
cve fhe gbr inv wal

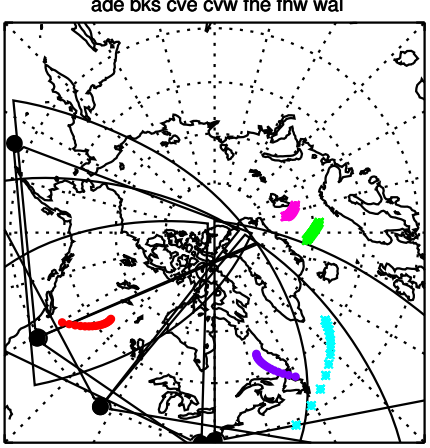


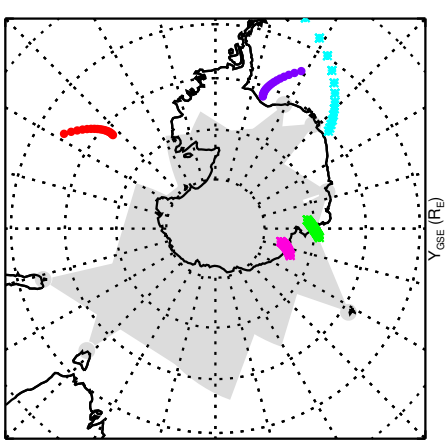
hal

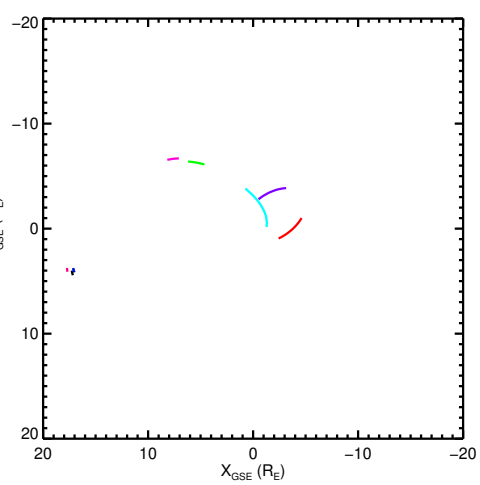




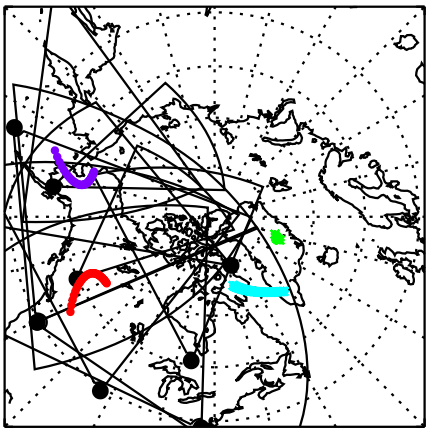
(b) 0705UT to 0835UT
ade bks cve cvw fhe fhw wal



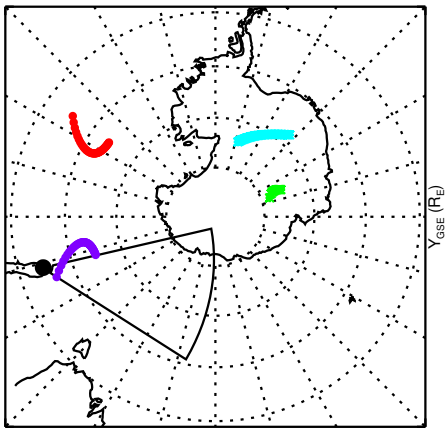


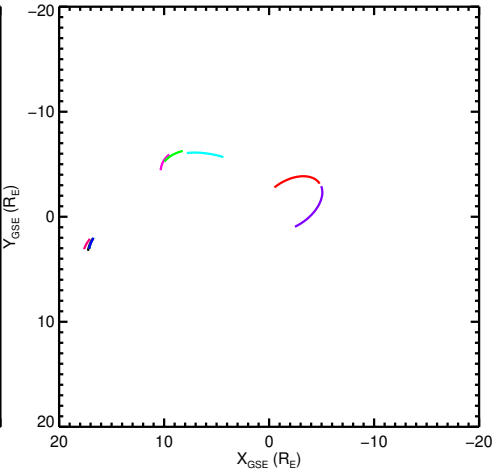


(c) 1040UT to 1400UT
ade bks cly cve cvw fhw hok kap ksr pgr

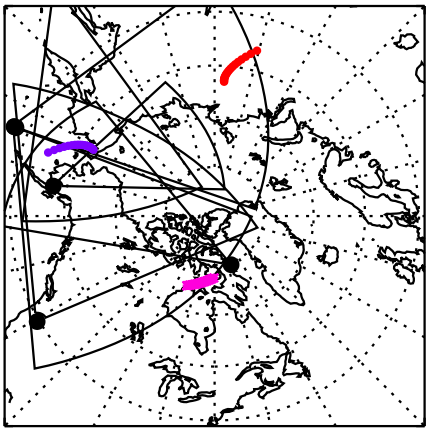


unw

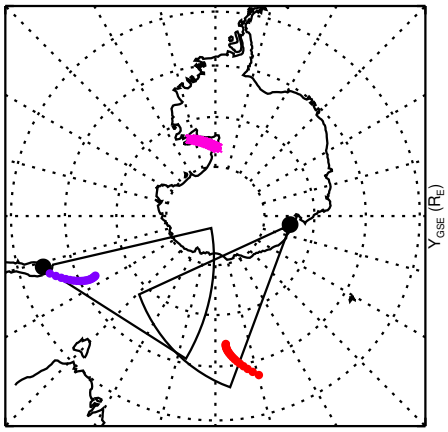


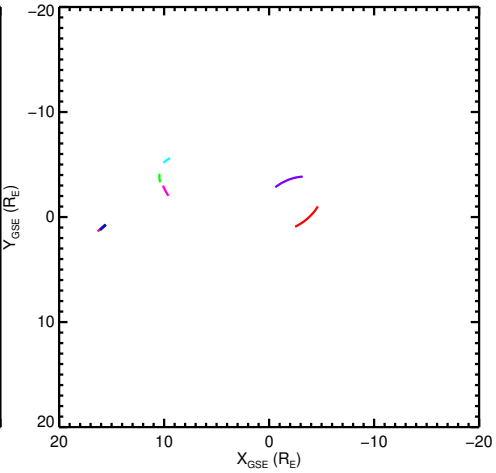


(d) 1605UT to 1735UT
ade adw cly cvw hok ksr

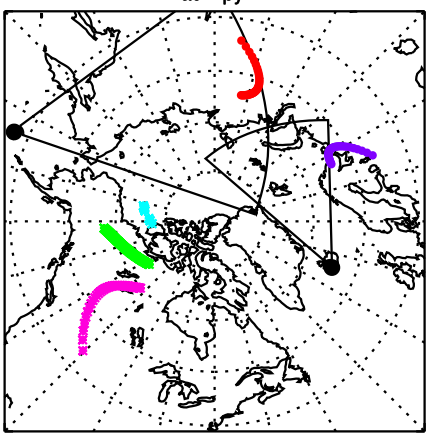


unw zho

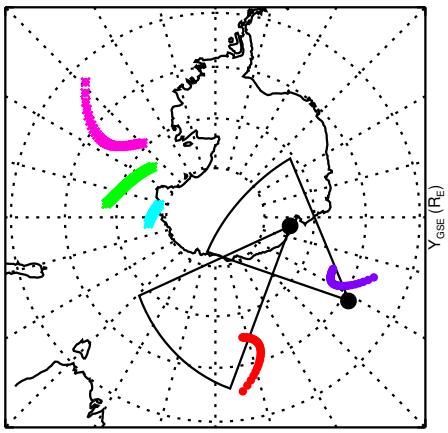


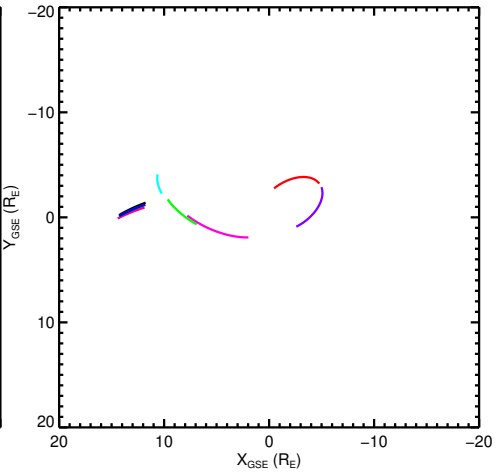


(e) 1945UT to 2300UT
adw pyk



ker zho

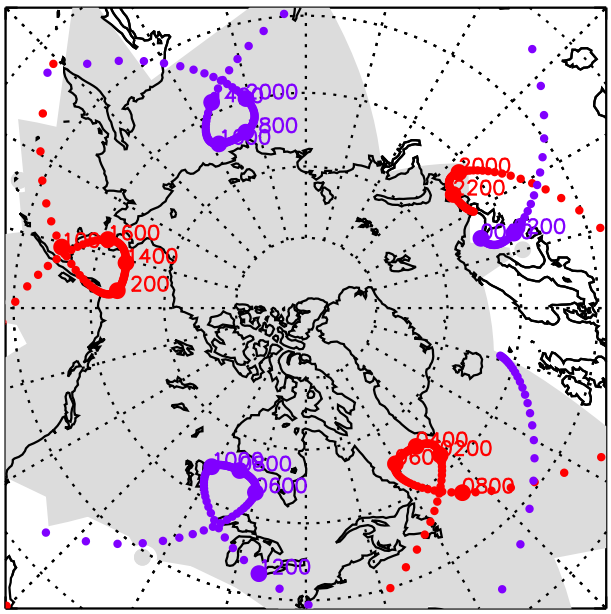


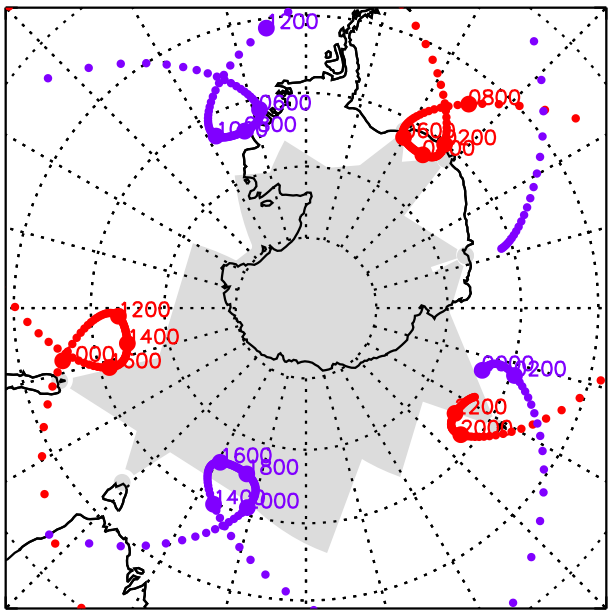


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

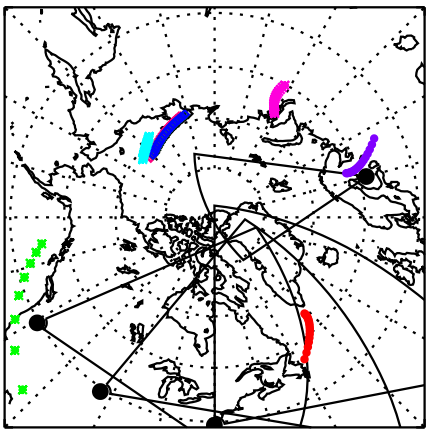
14–Feb–2013

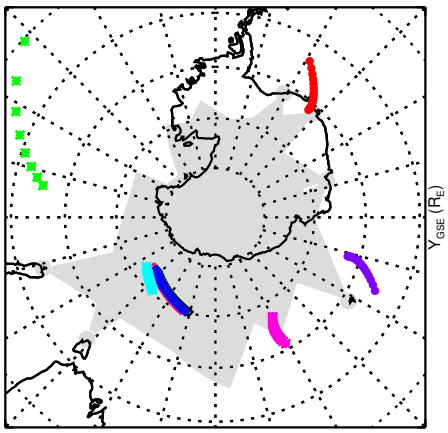
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

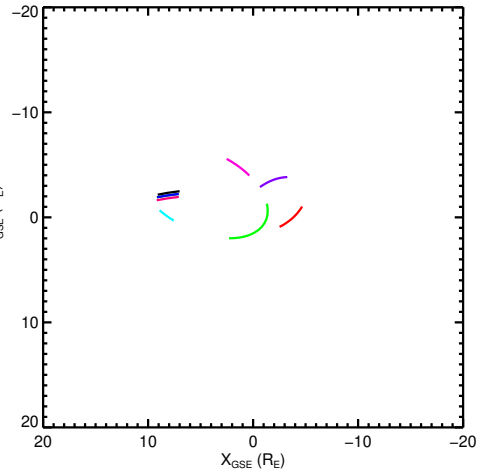




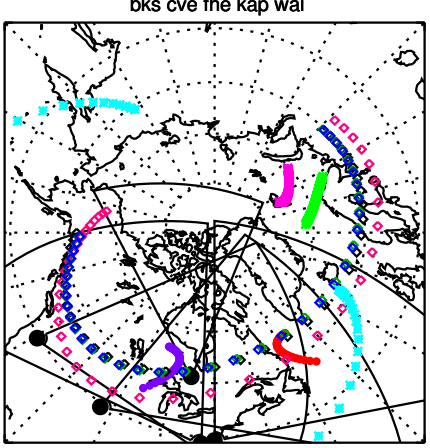
(a) 0105UT to 0235UT
cve fhe han wal

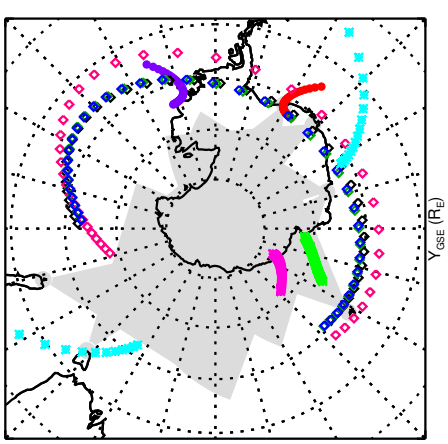


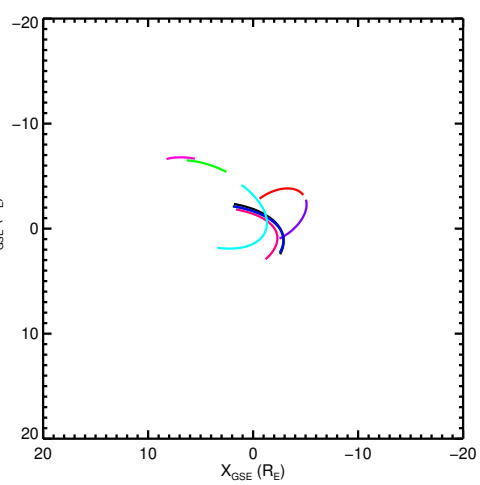




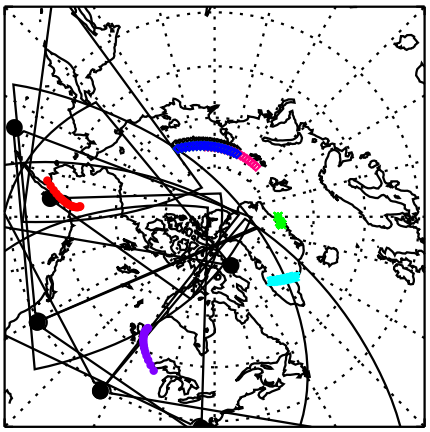
(b) 0445UT to 0755UT
bks cve fhe kap wal

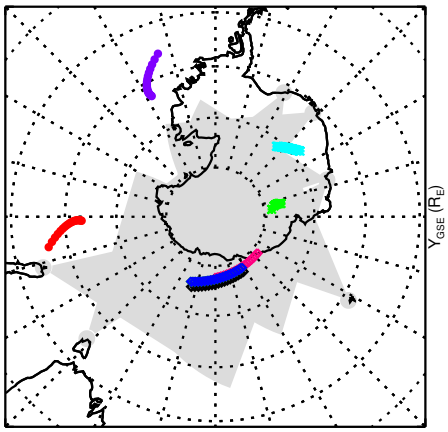


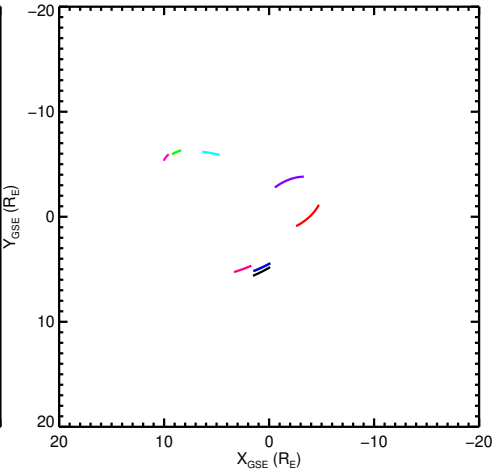




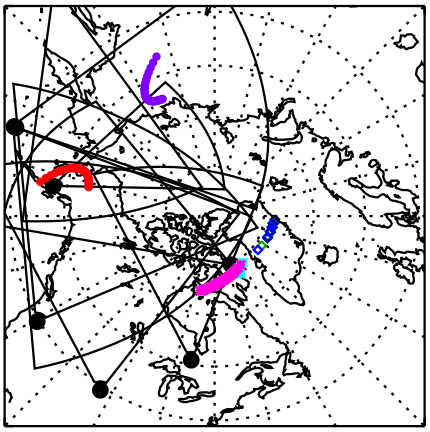
(c) 1005UT to 1140UT
ade bks cly cve cvw fhe fhw hok kod



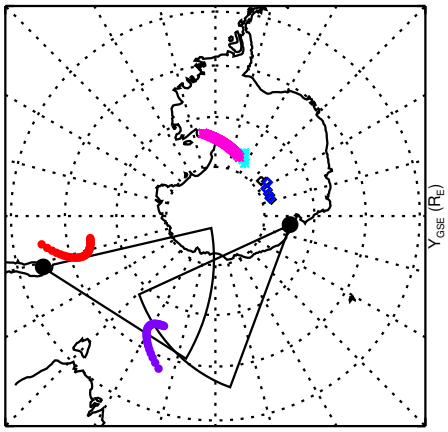


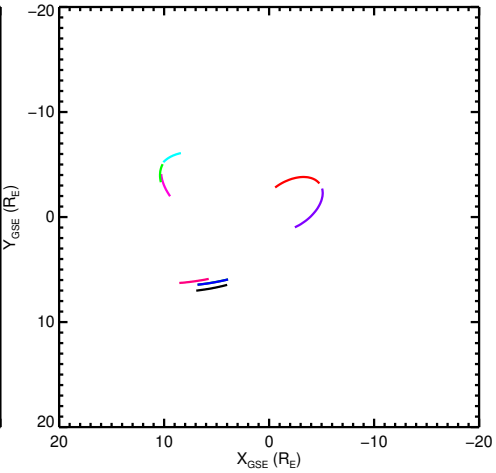


(d) 1345UT to 1655UT
ade adw cly cvw fhw hok kap ksr

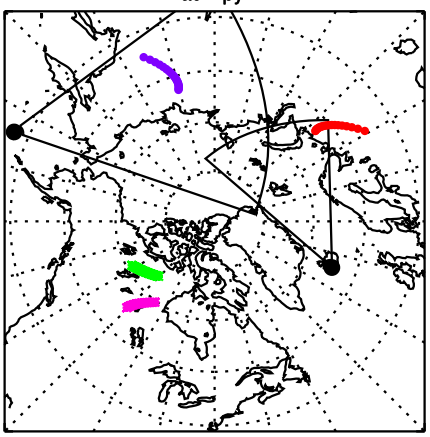


unw zho

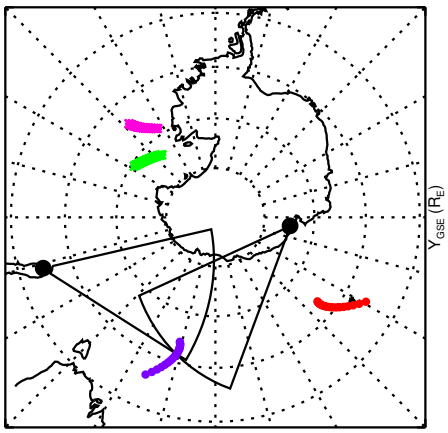


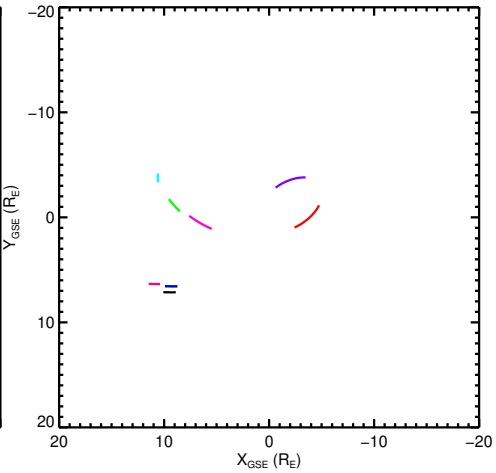


(e) 1900UT to 2040UT
adw pyk

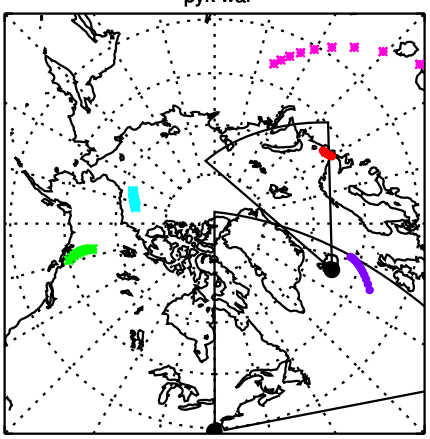


unw zho

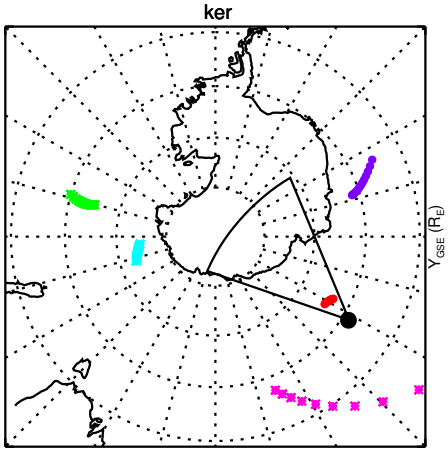


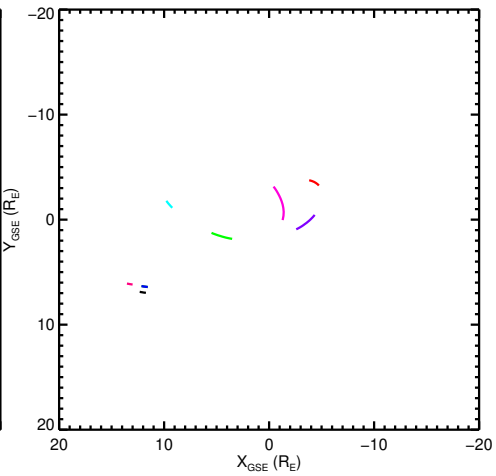


(f) 2250UT to 2355UT
pyk wal



ker

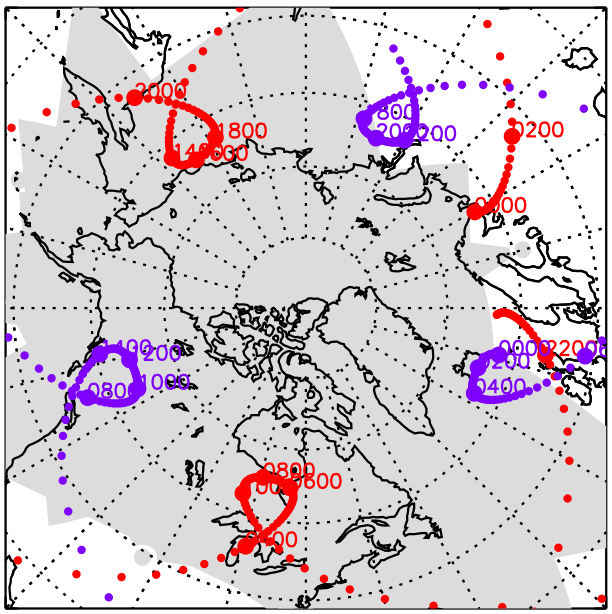


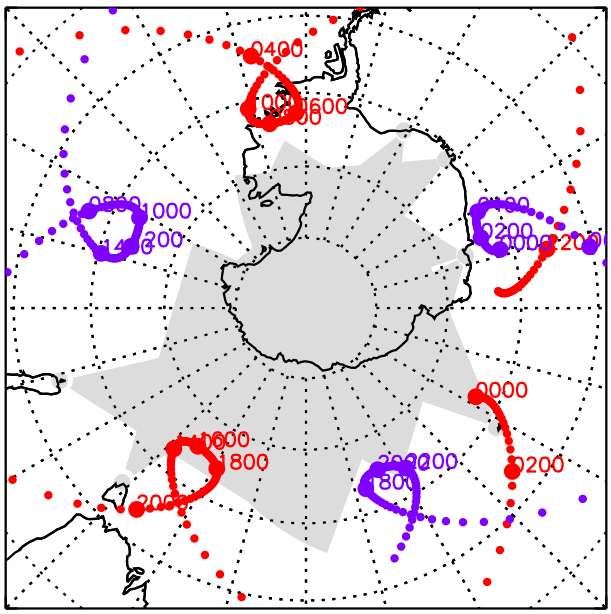


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

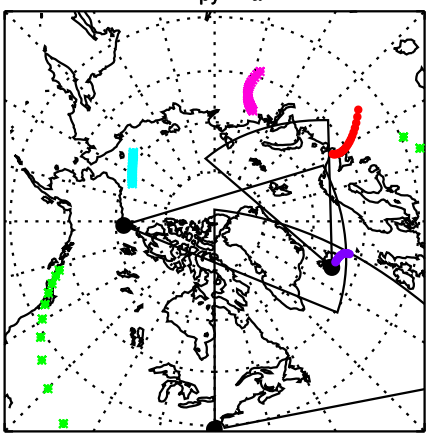
15–Feb–2013

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

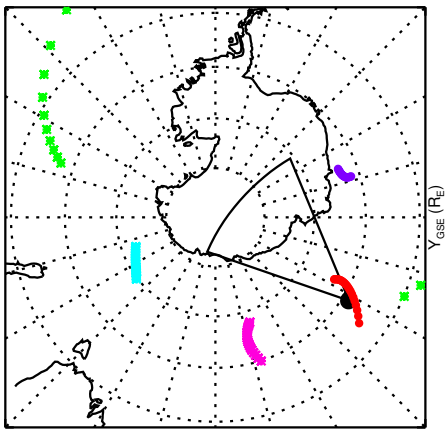


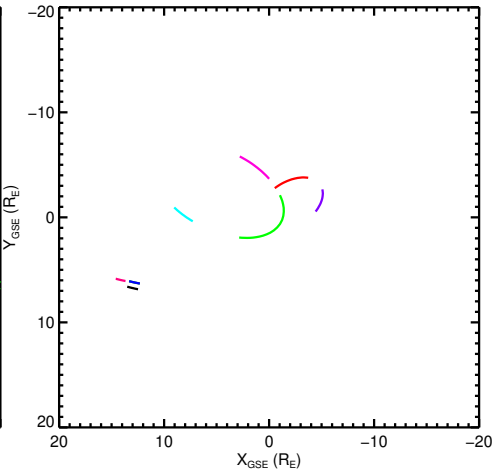


(a) 0000UT to 0155UT
inv pyk wal

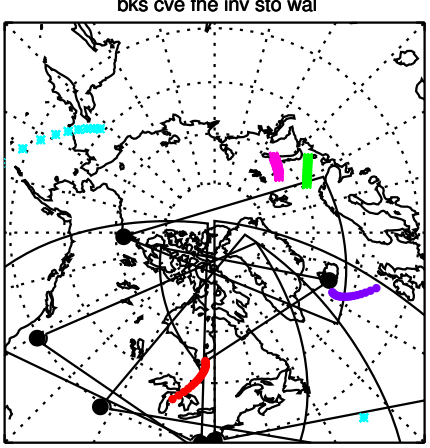


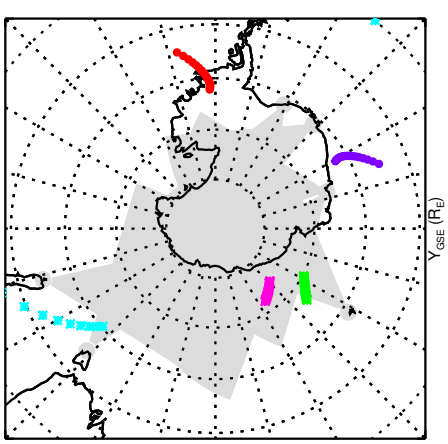
ker

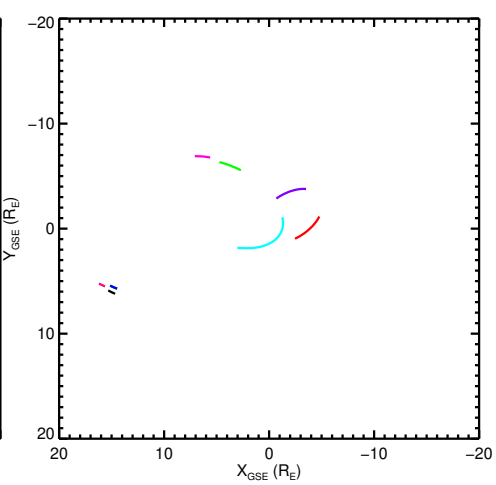




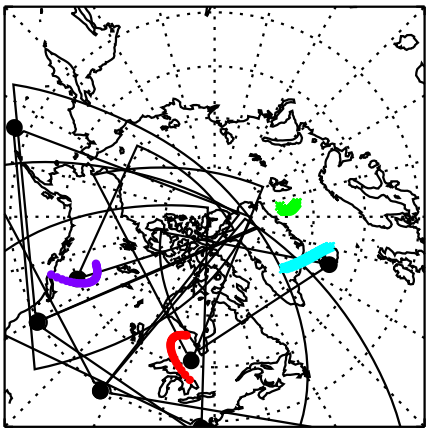
(b) 0400UT to 0540UT
bks cve fhe inv sto wal

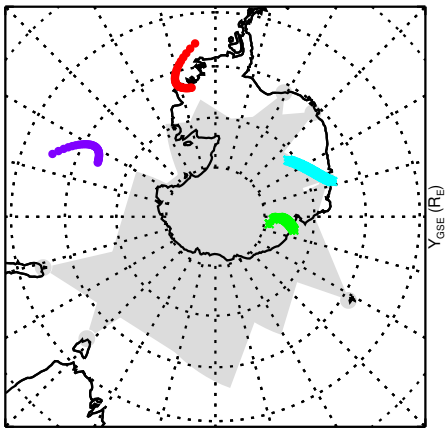


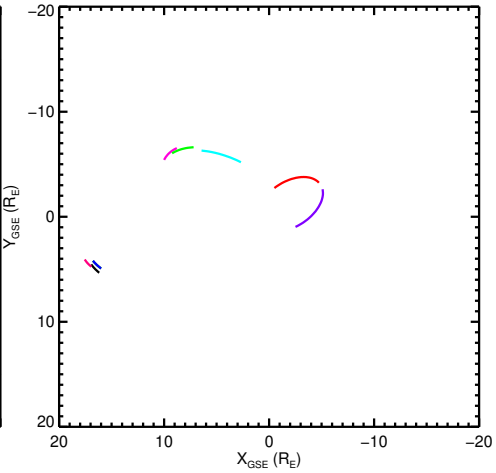




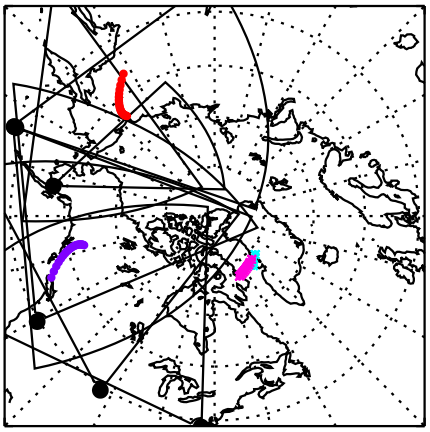
(c) 0750UT to 1055UT
ade bks cve cvw fhe fhw kap pgr sto



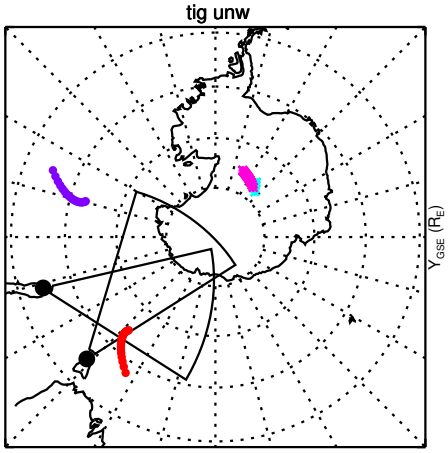


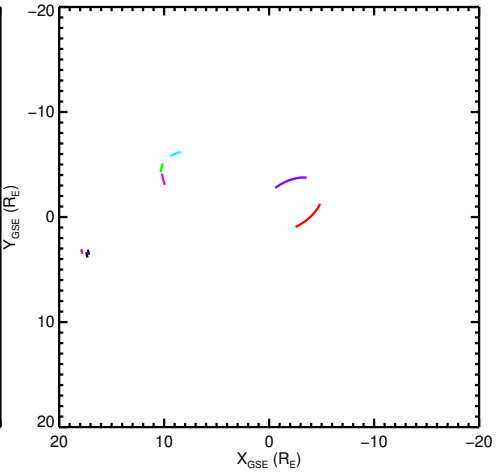


(d) 1300UT to 1445UT
ade adw bks cvw fhw hok ksr

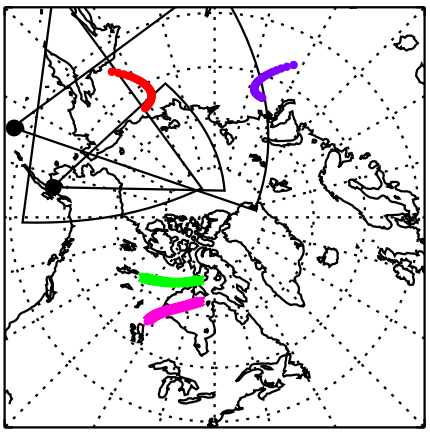


tig unw

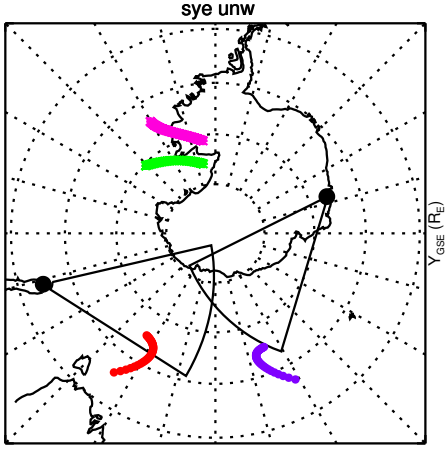


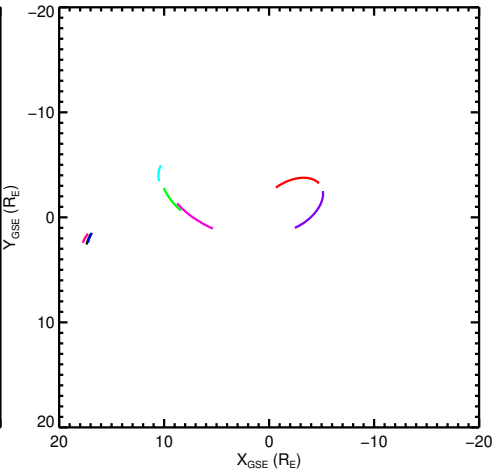


(e) 1650UT to 1950UT
adw hok ksr

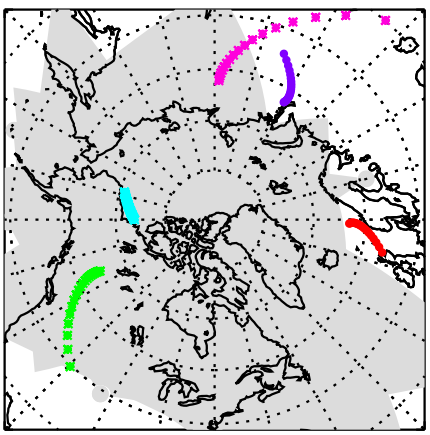


sye unw

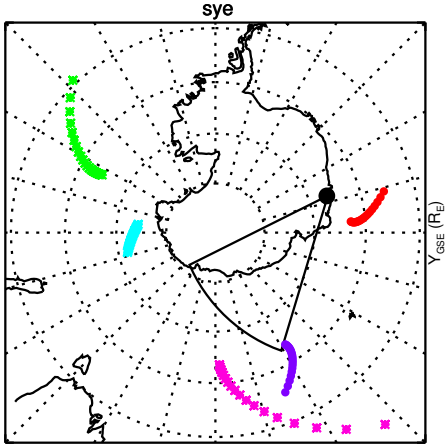


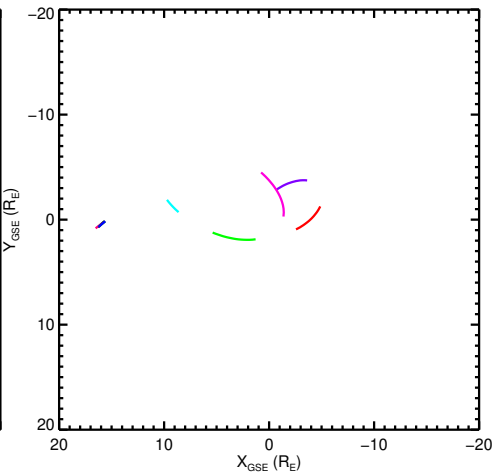


(f) 2200UT to 2345UT



sye

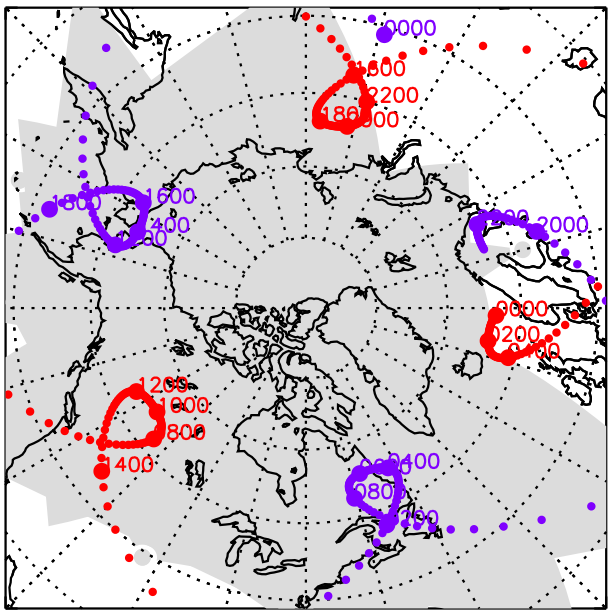


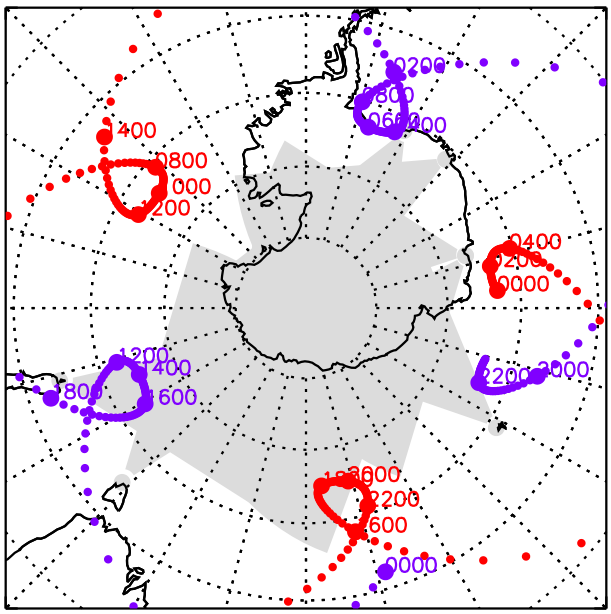


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

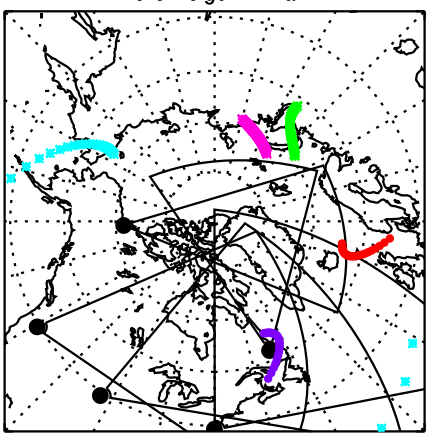
16–Feb–2013

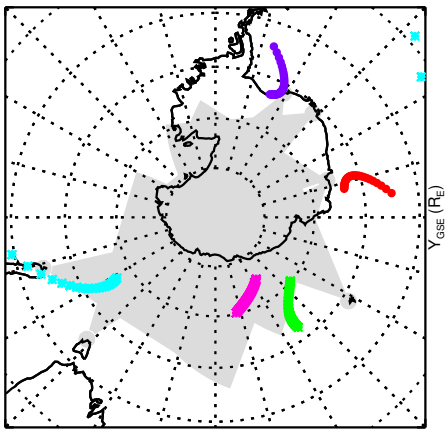
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

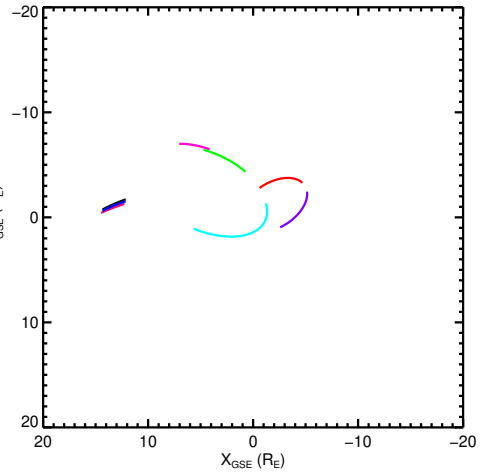




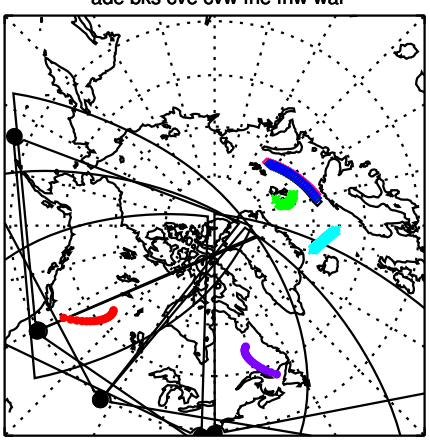
(a) 0155UT to 0450UT
cve fhe gbr inv wal

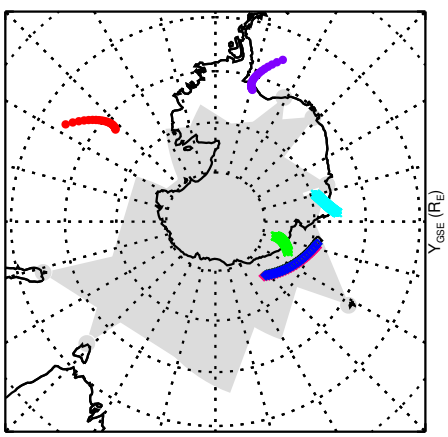


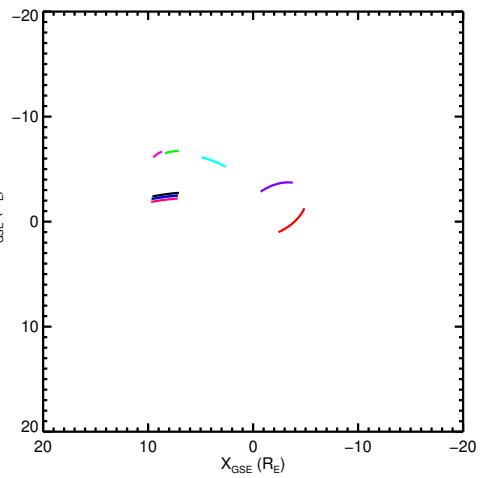




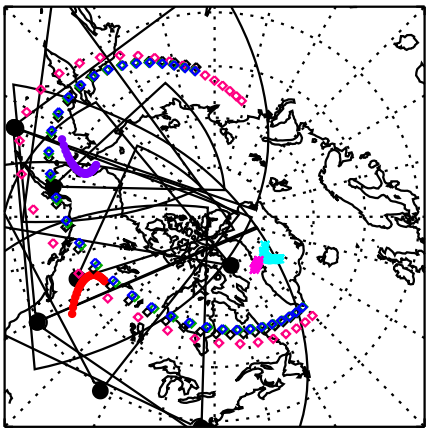
(b) 0655UT to 0845UT
ade bks cve cvw fhe fhw wal



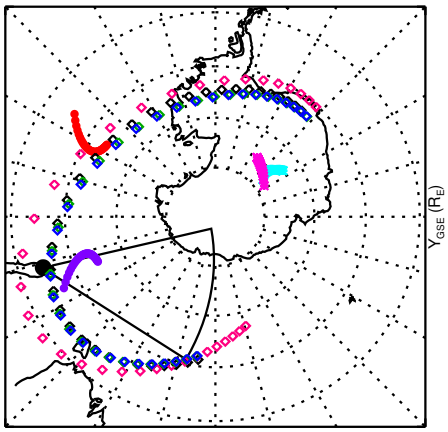


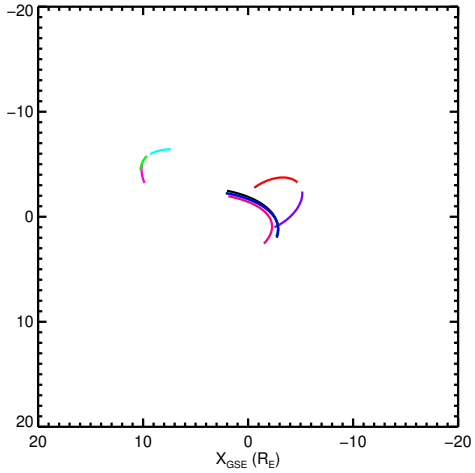


(c) 1055UT to 1350UT
ade adw bks cly cve cvw fhw hok ksr pgr

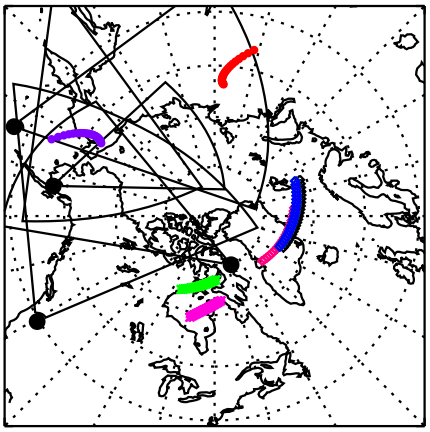


unw

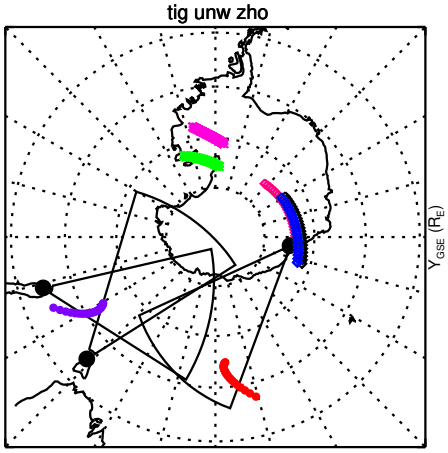


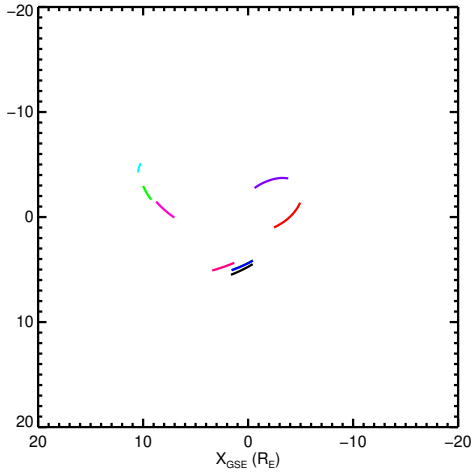


(d) 1555UT to 1750UT
adw cly cvw hok ksr

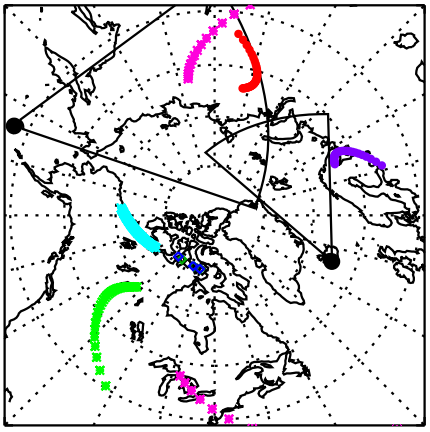


tig unw zho

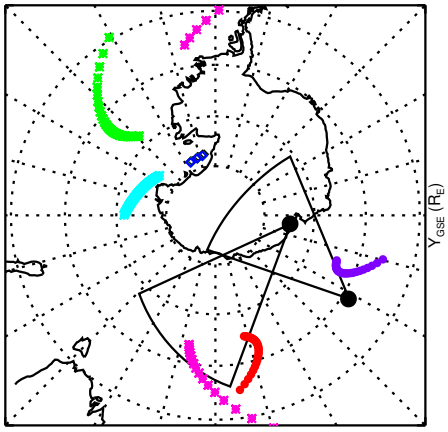


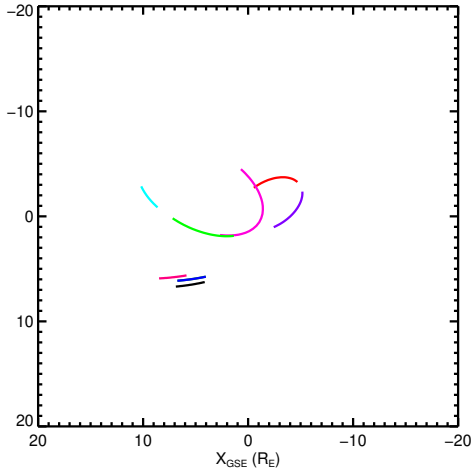


(e) 1955UT to 2250UT
adw pyk



ker zho

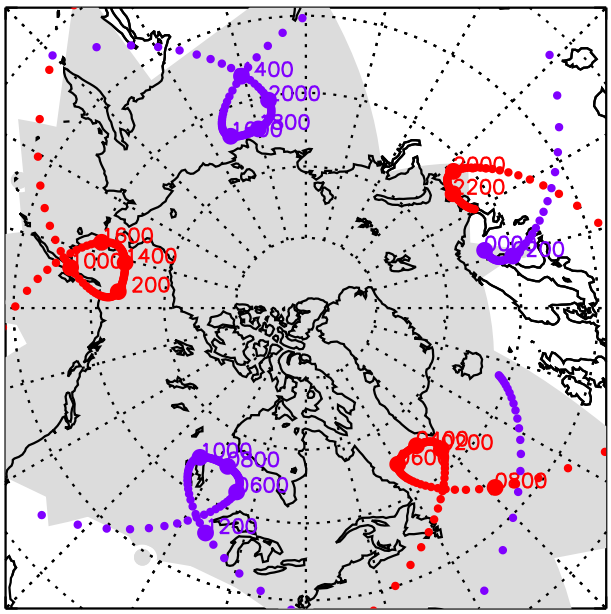


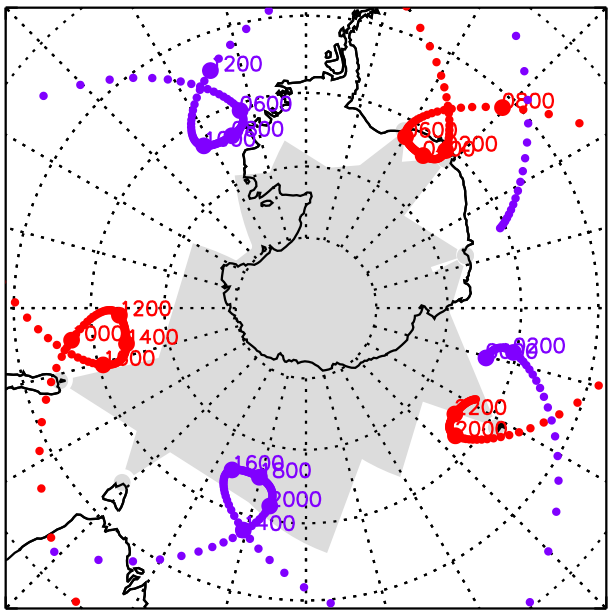


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

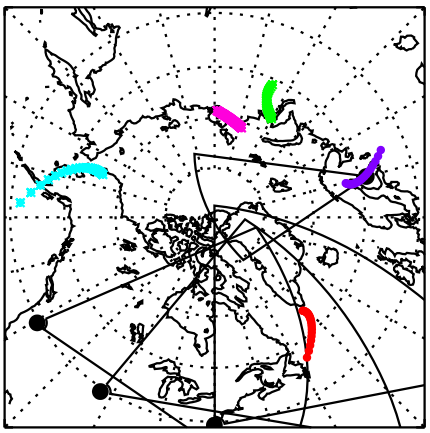
17−Feb−2013

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

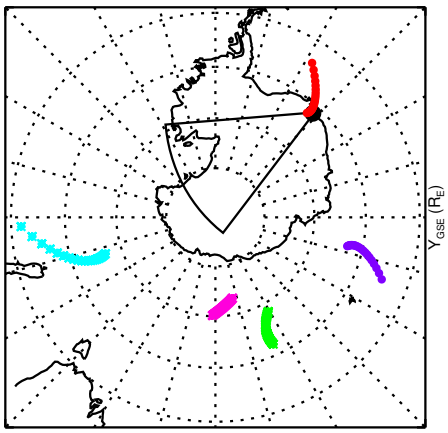


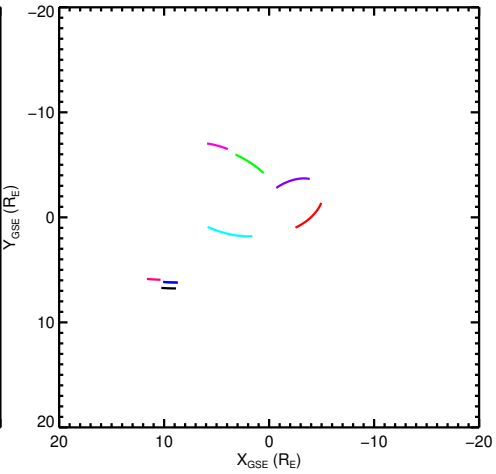


(a) 0055UT to 0250UT
cve fhe han wal

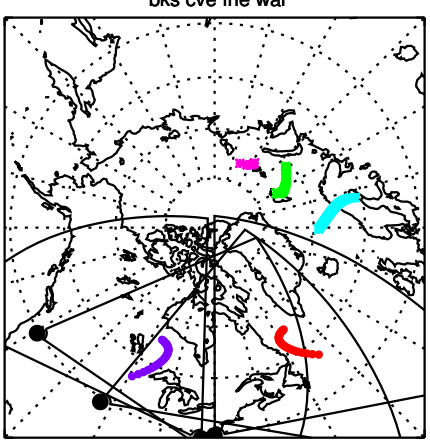


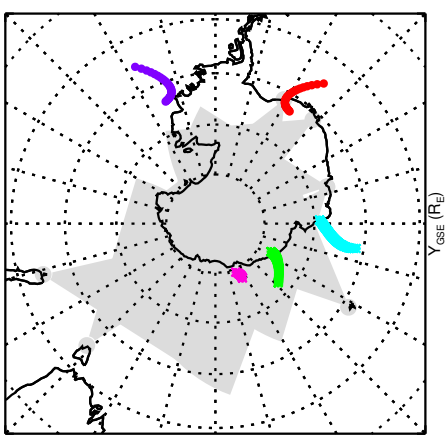
san

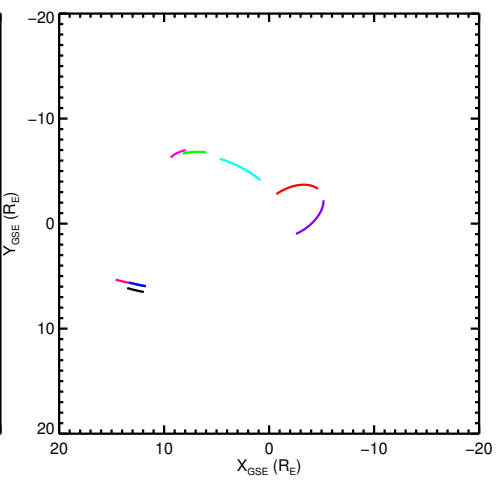




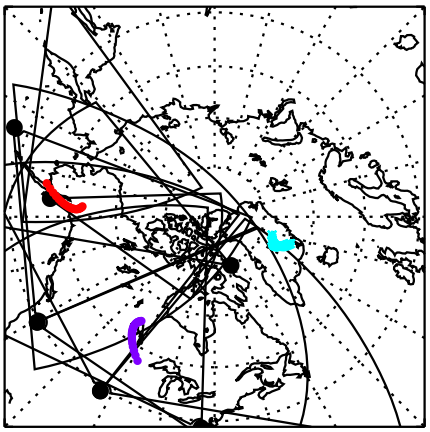
(b) 0500UT to 0745UT
bks cve fhe wal

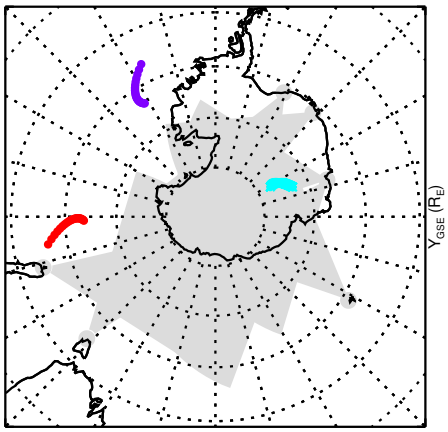


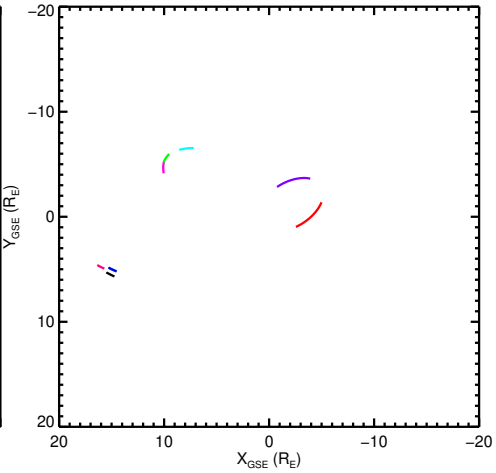




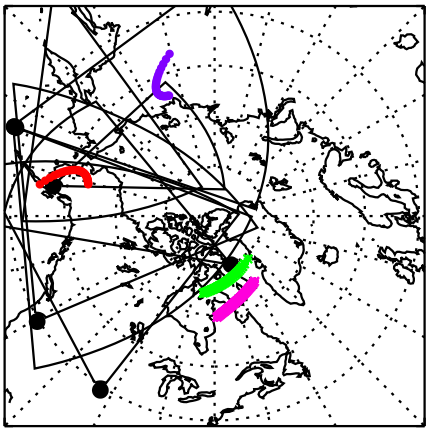
(c) 0955UT to 1150UT
ade bks cly cve cvw fhe fhw hok kod



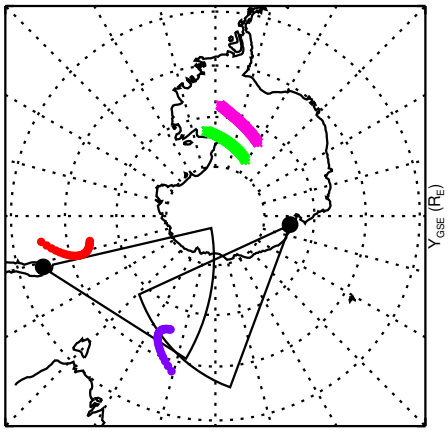


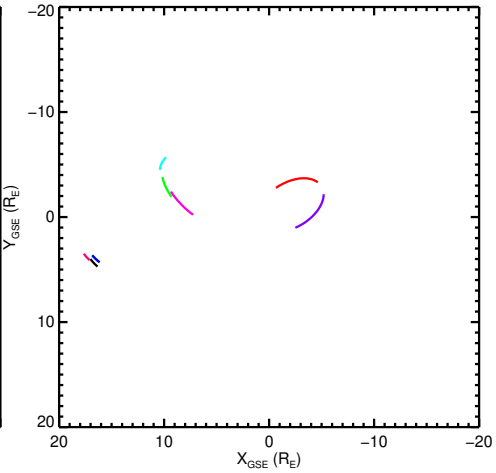


(d) 1400UT to 1645UT
ade adw cly cvw fhw hok ksr

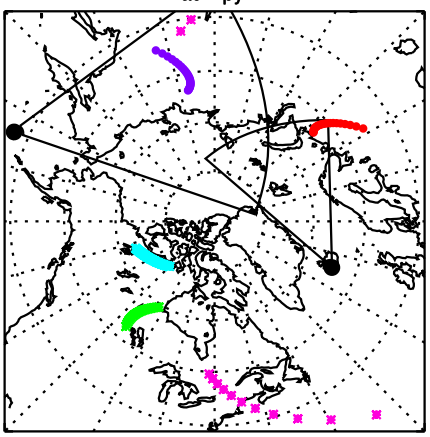


unw zho

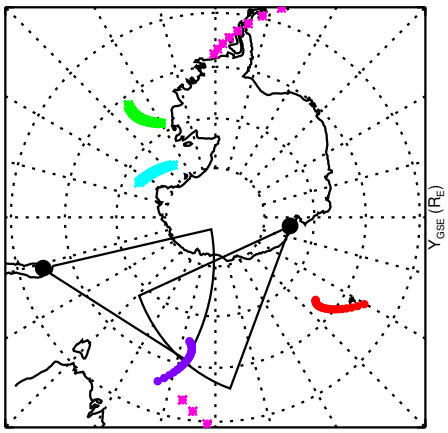


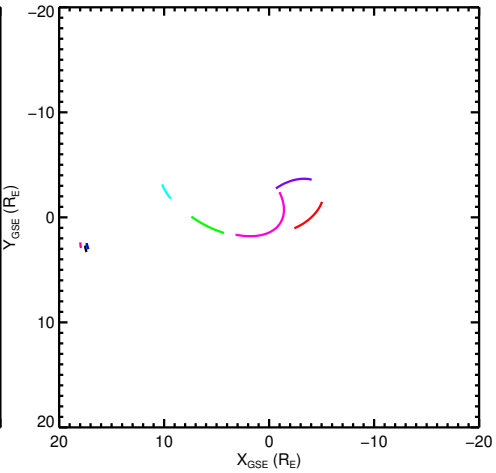


(e) 1850UT to 2055UT
adw pyk

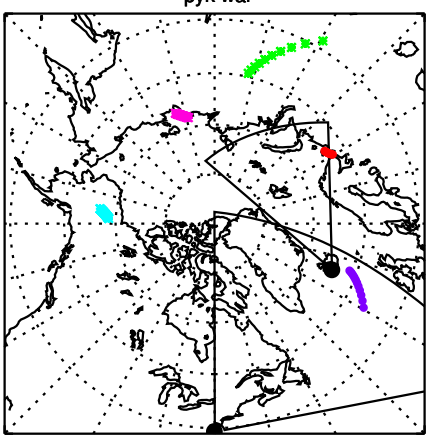


unw zho

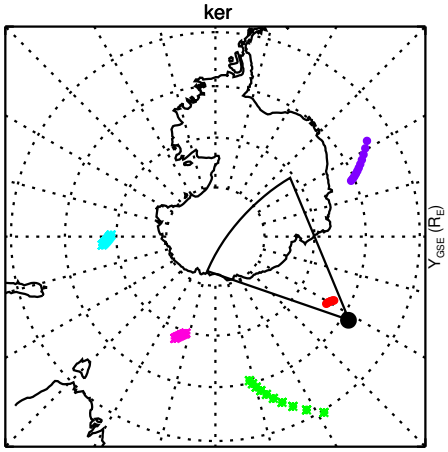


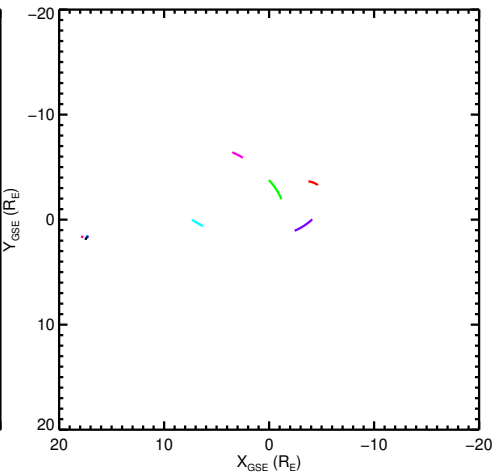


(f) 2300UT to 2355UT
pyk wal



ker

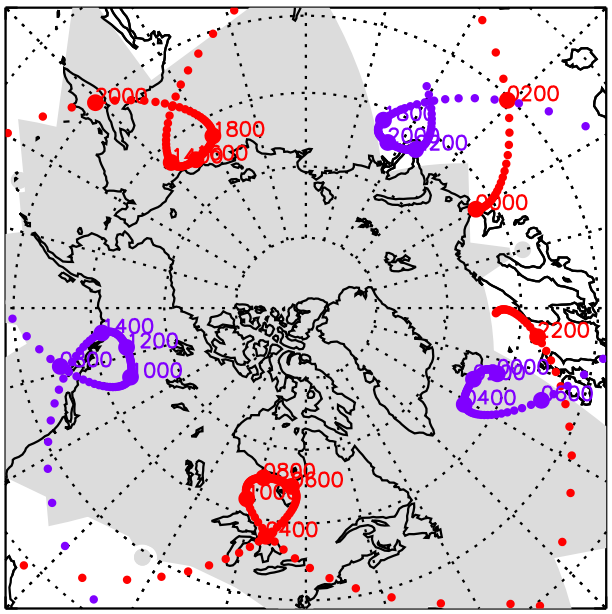


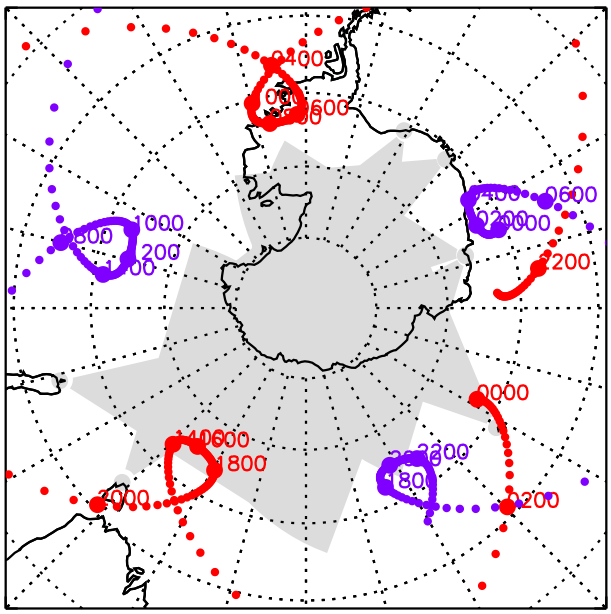


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

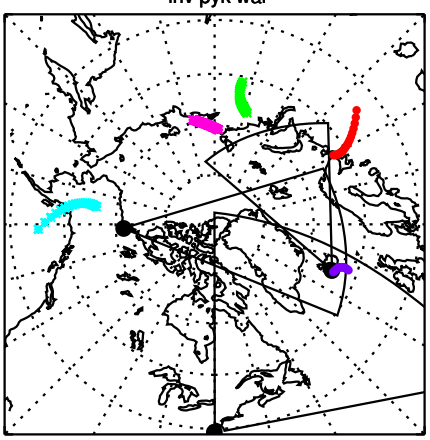
18–Feb–2013

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

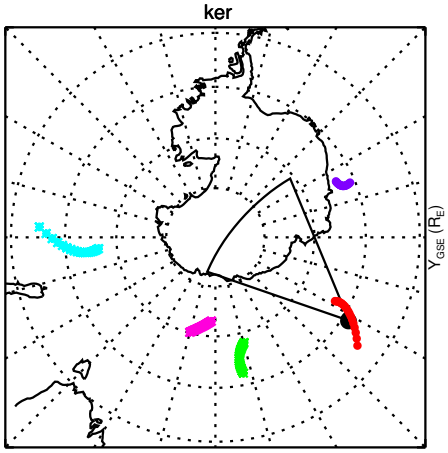


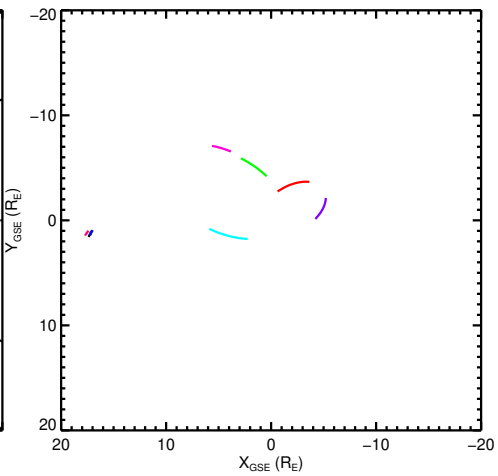


(a) 0000UT to 0145UT
inv pyk wal

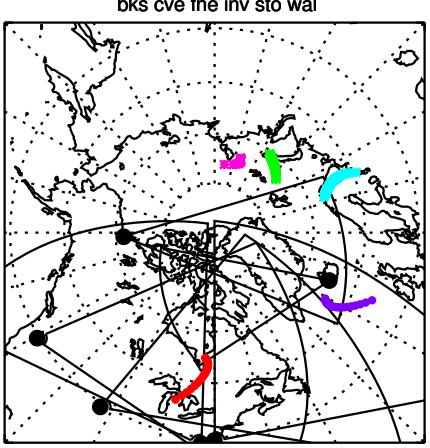


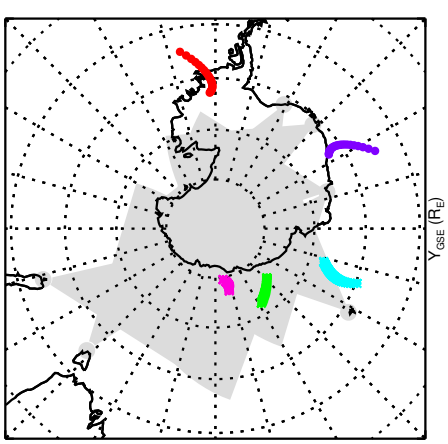
ker

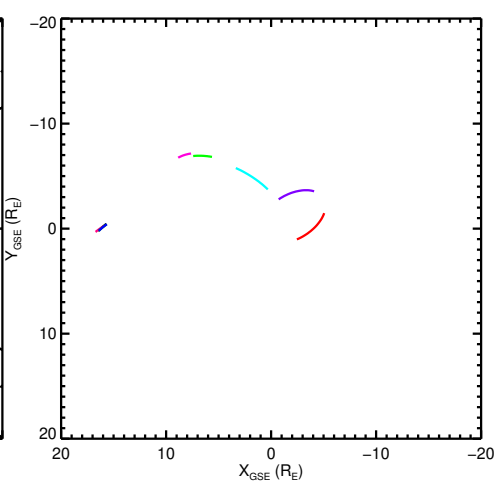




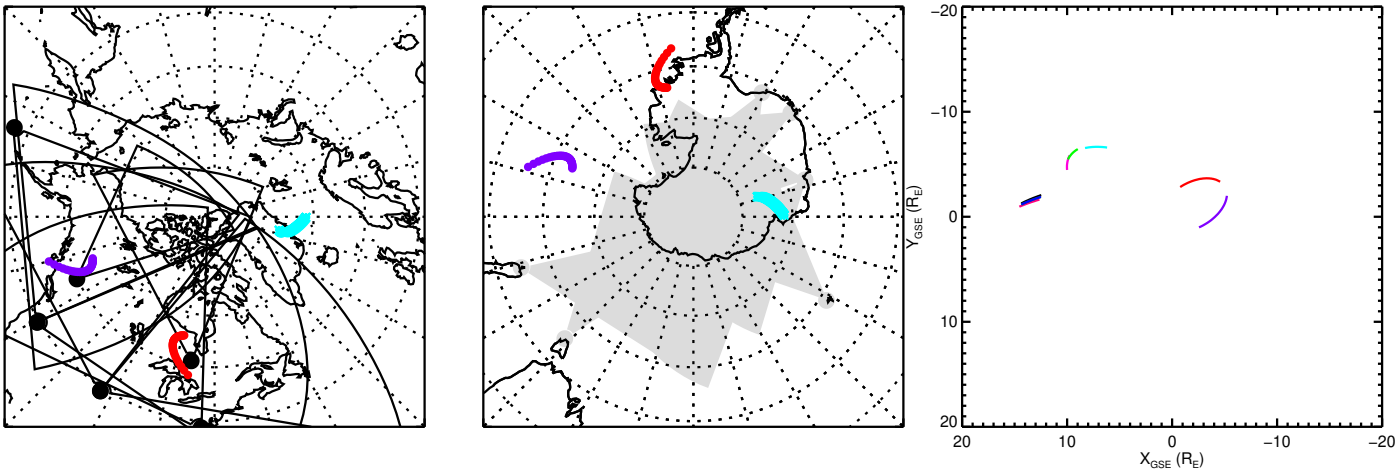
(b) 0350UT to 0555UT
bks cve fhe inv sto wal





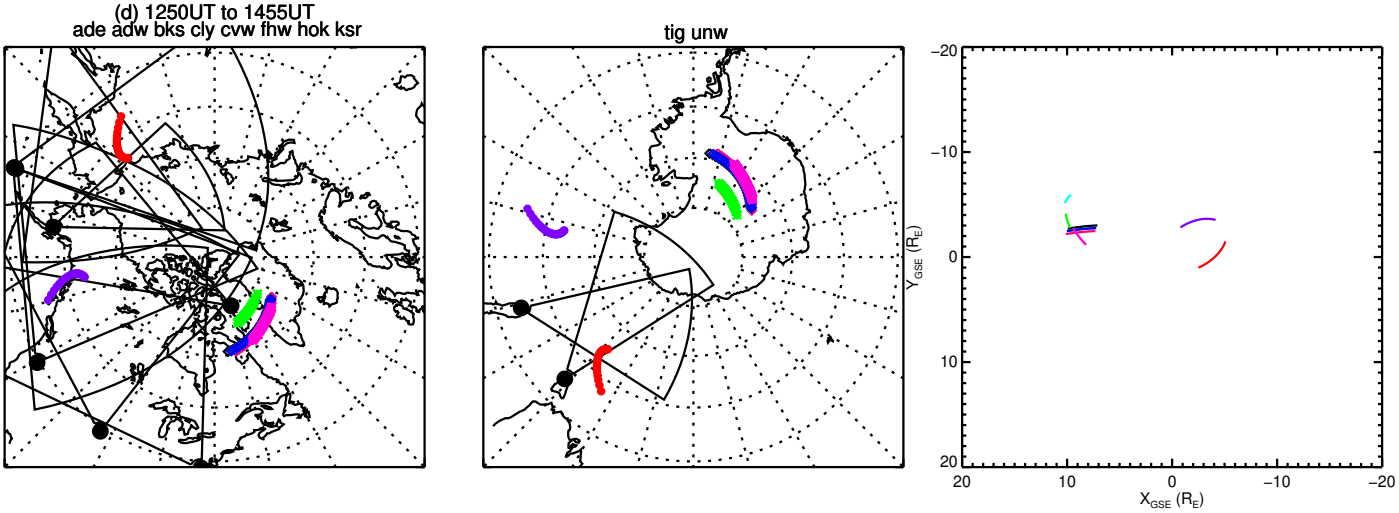


(c) 0805UT to 1040UT
ade bks cve cvw fhe fhw kap pgr



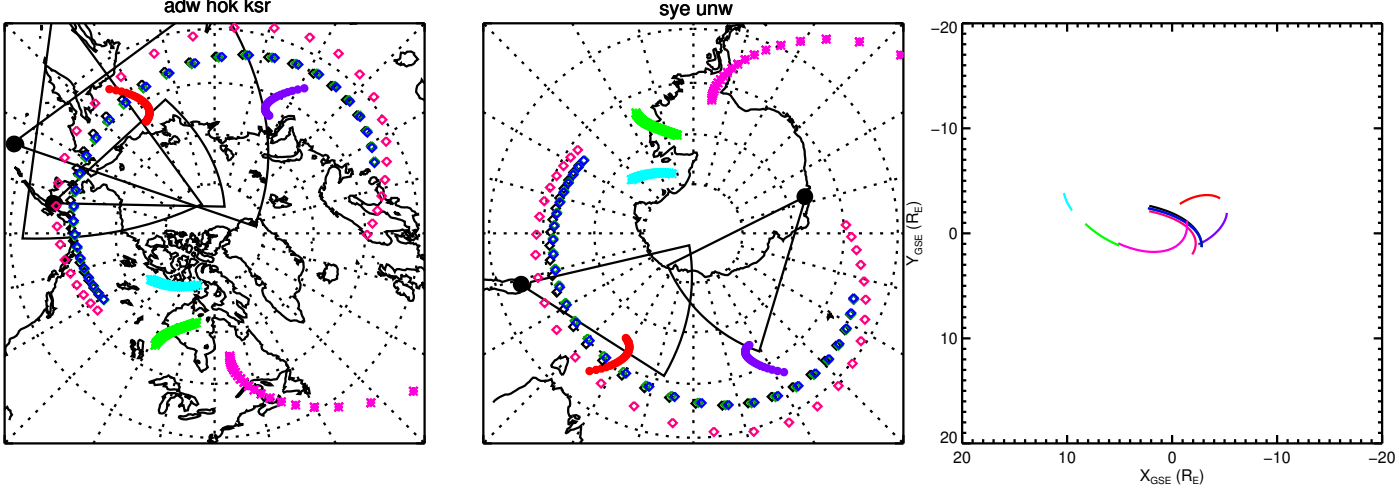
(d) 1250UT to 1455UT
ade adw bks cly cvw fhw hok ksr

tig unw

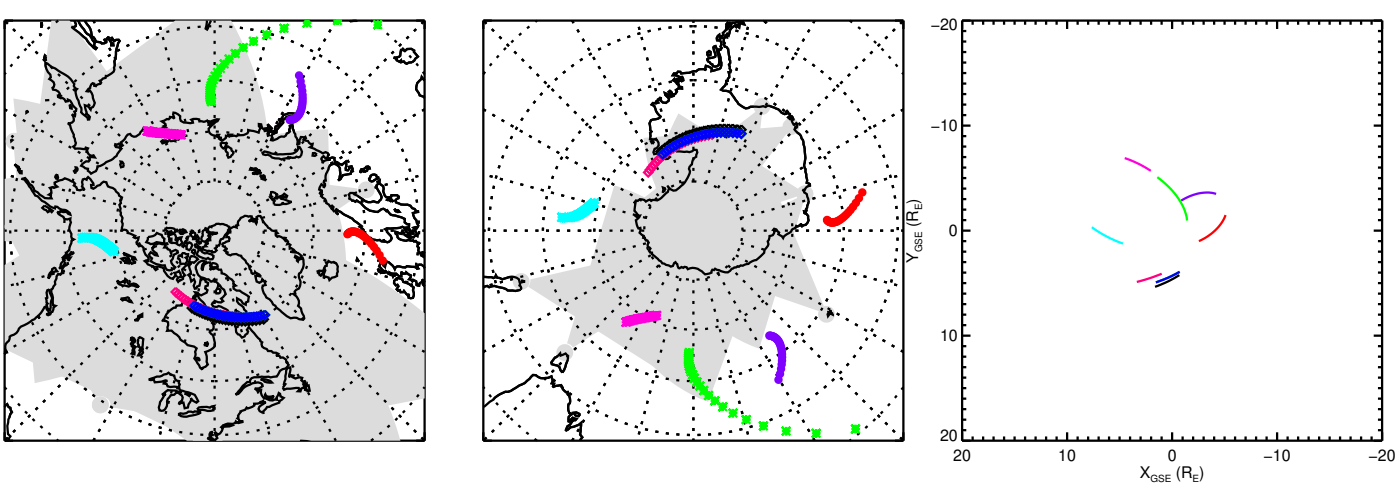


(e) 1705UT to 1940UT
adw hok ksr

sye unw



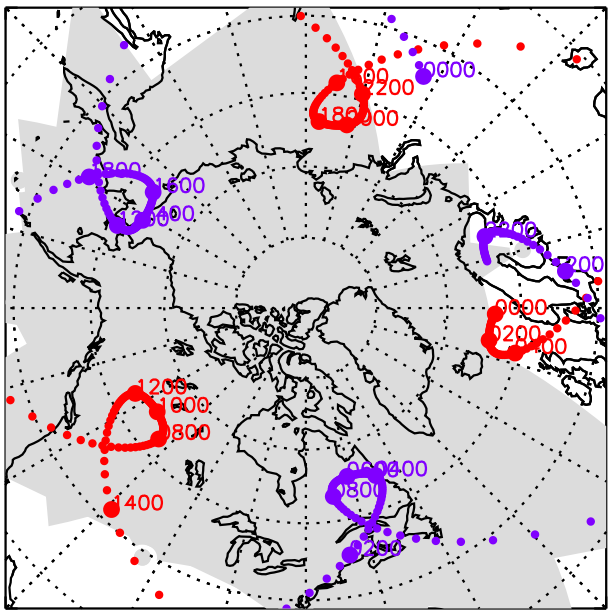
(f) 2150UT to 2355UT

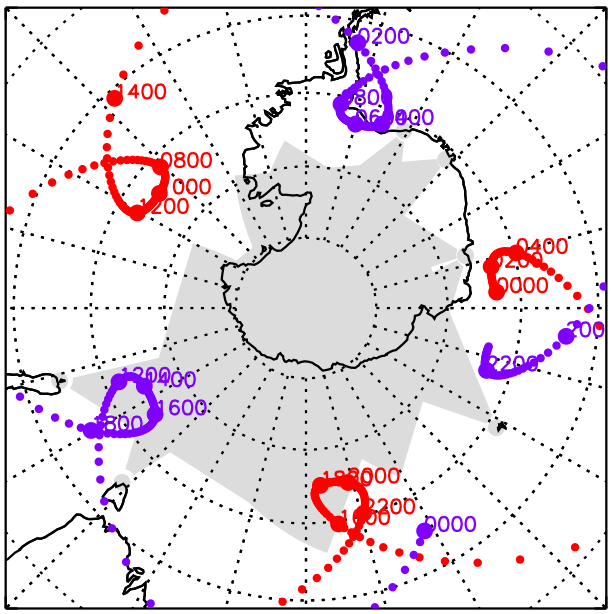


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

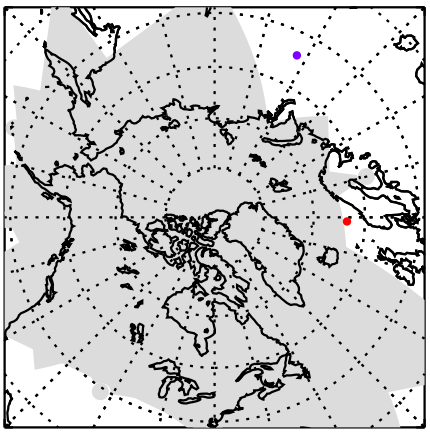
19–Feb–2013

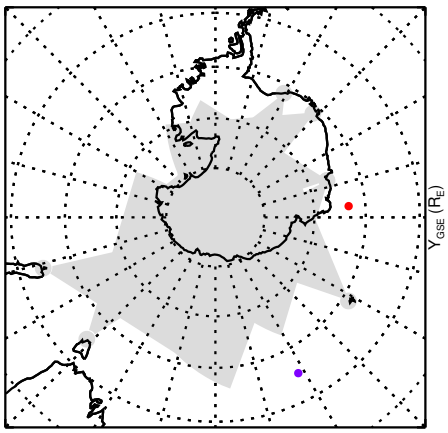
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

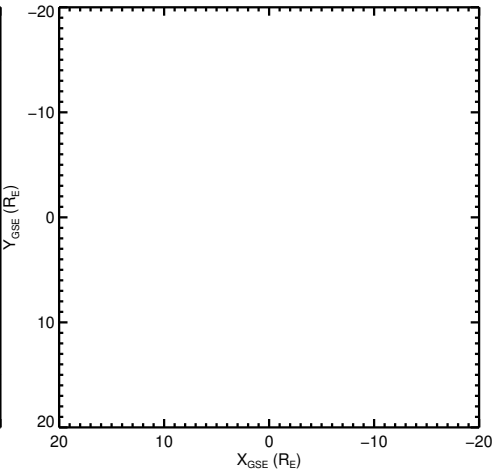




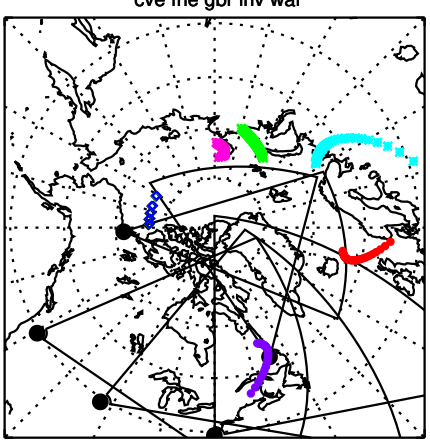
(a) 0000UT to 0000UT

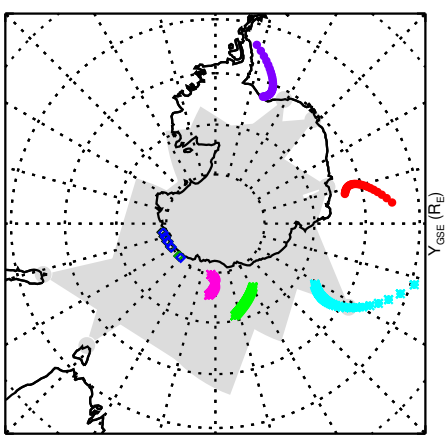


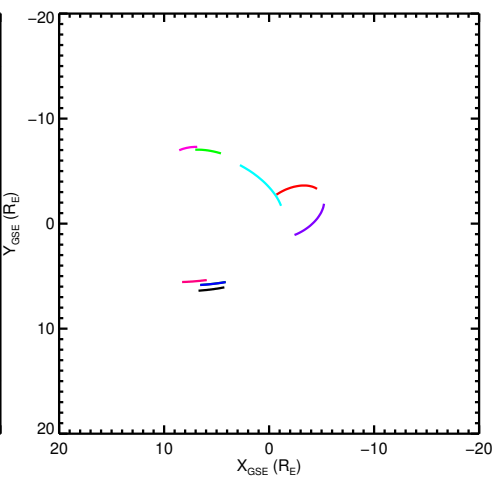




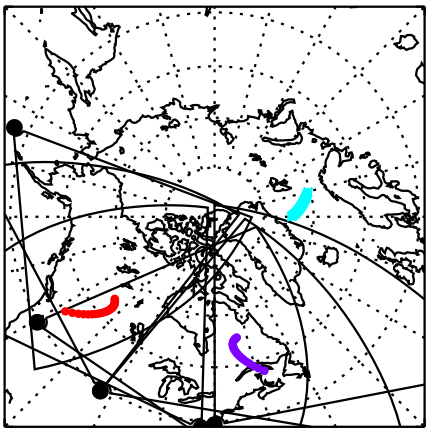
(b) 0205UT to 0440UT
cve fhe gbr inv wal

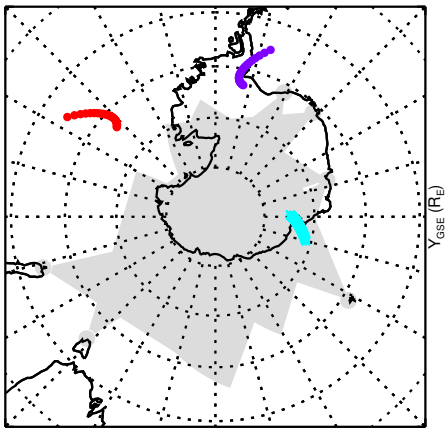


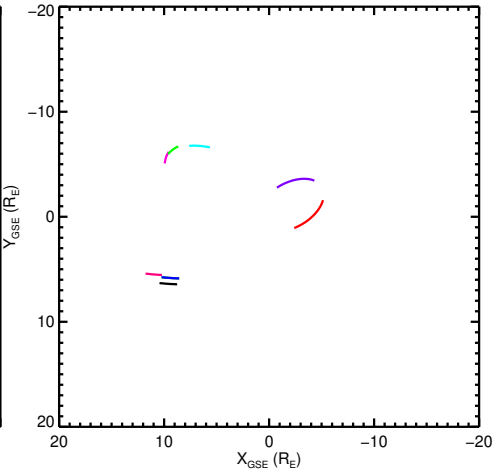




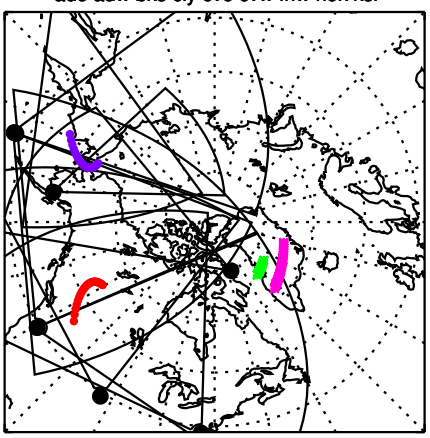
(c) 0645UT to 0900UT
ade bks cve fhe fhw wal



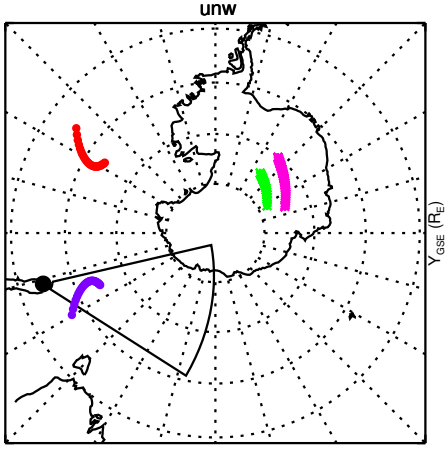


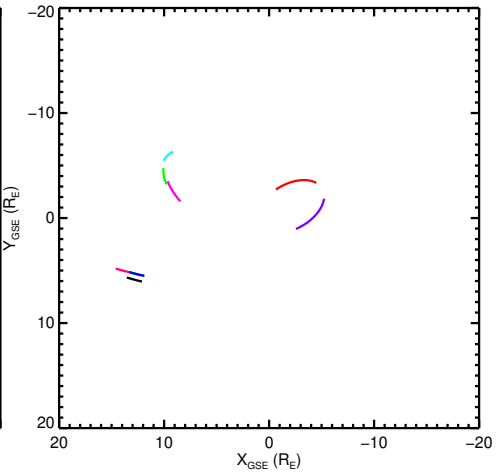


(d) 1110UT to 1340UT
ade adw bks cly cve cvw fhw hok ksr

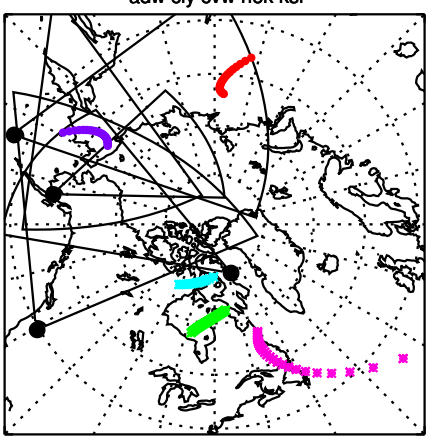


unw

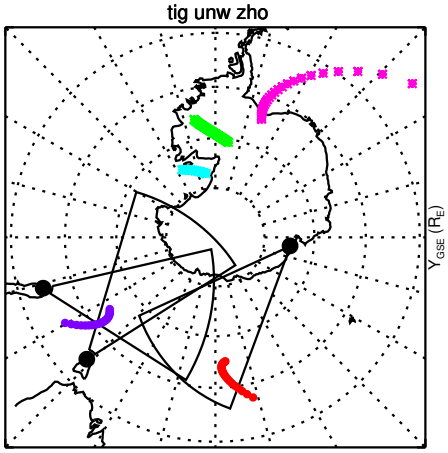


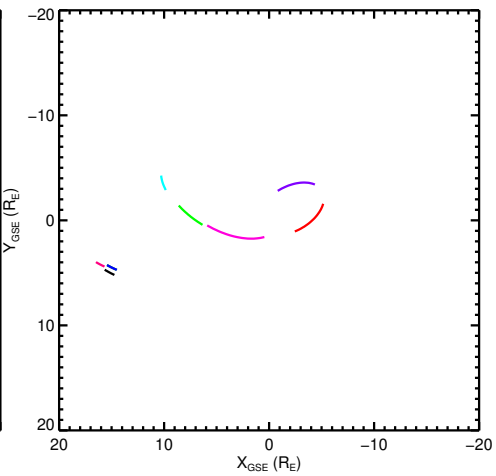


(e) 1545UT to 1800UT
adw cly cvw hok ksr

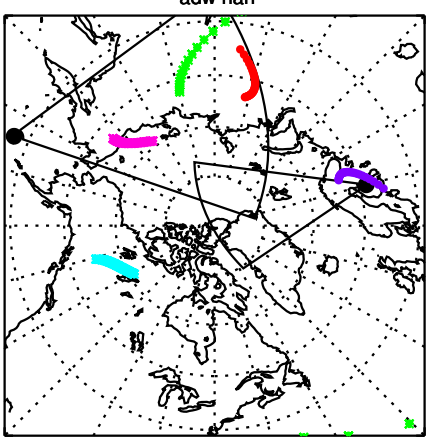


tig unw zho

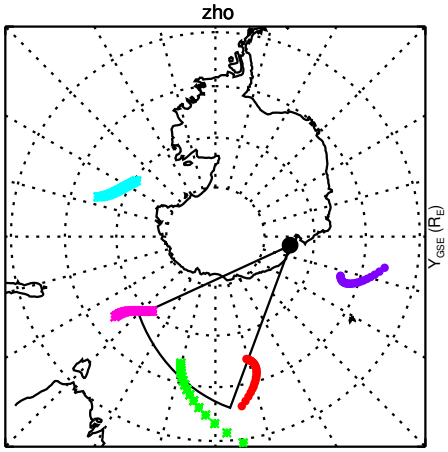


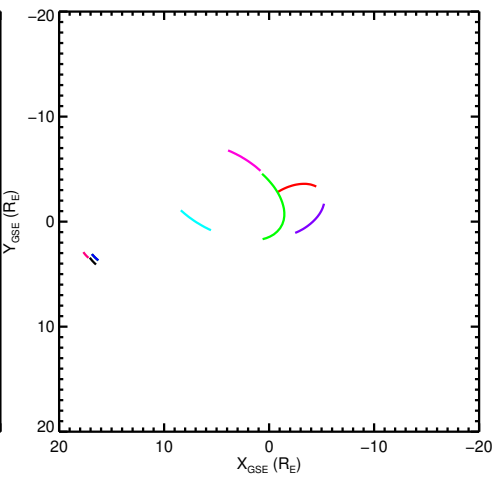


(f) 2010UT to 2235UT
adw han



zho

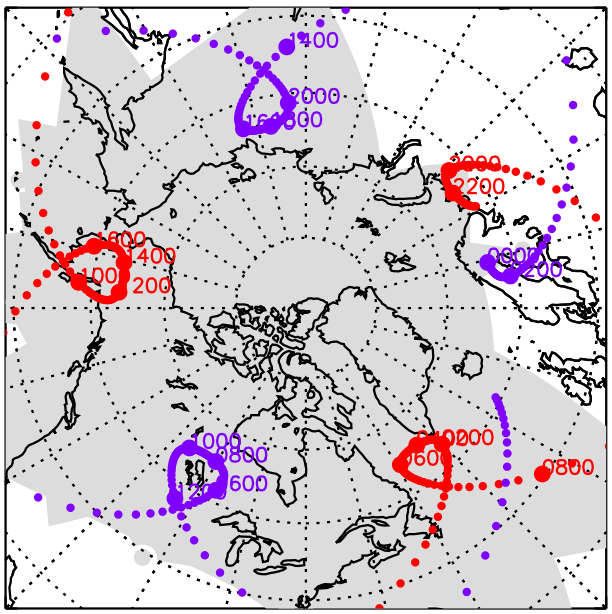


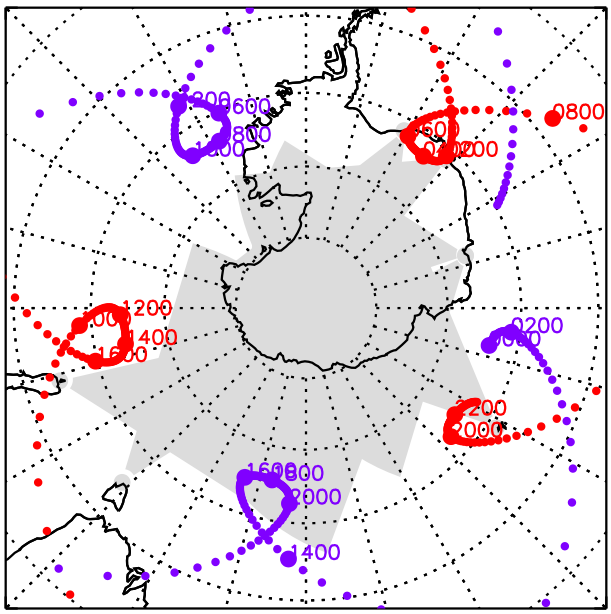


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

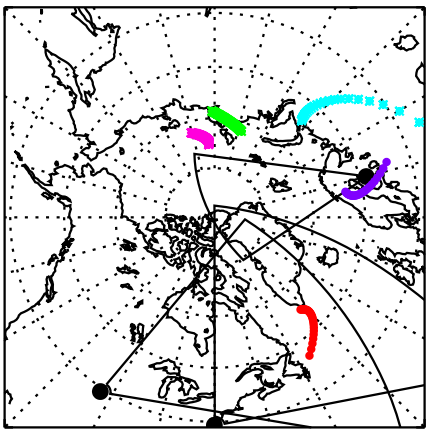
20–Feb–2013

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

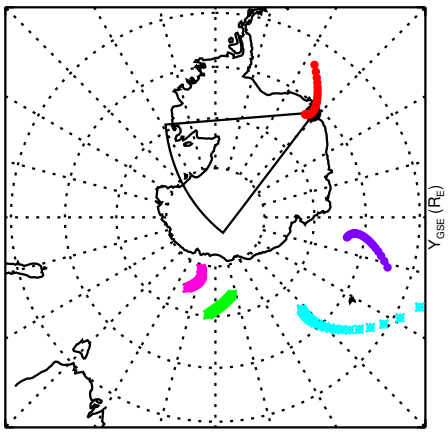


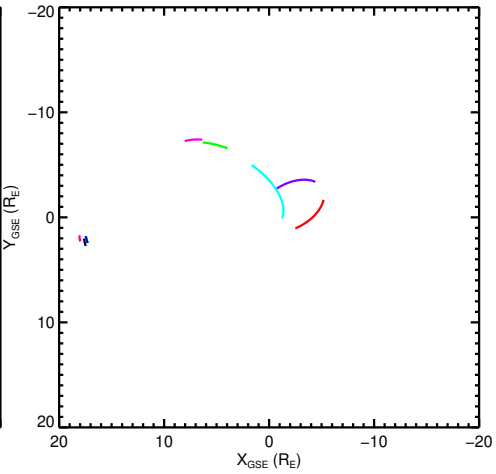


(a) 0045UT to 0305UT
fhe han wal

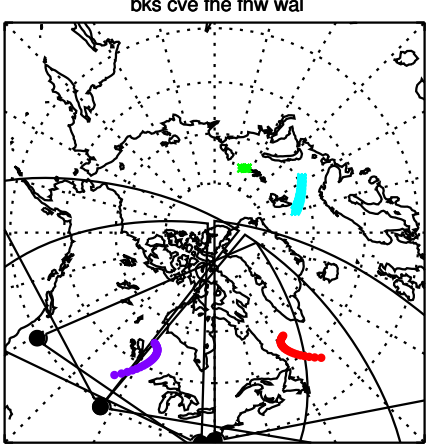


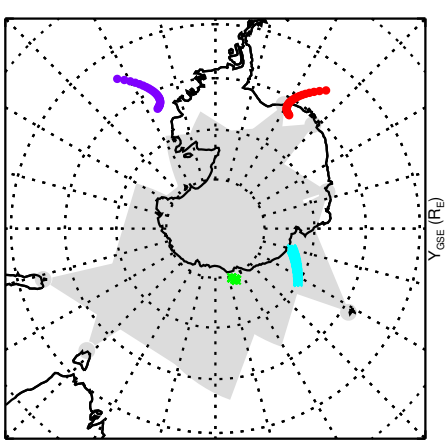
san

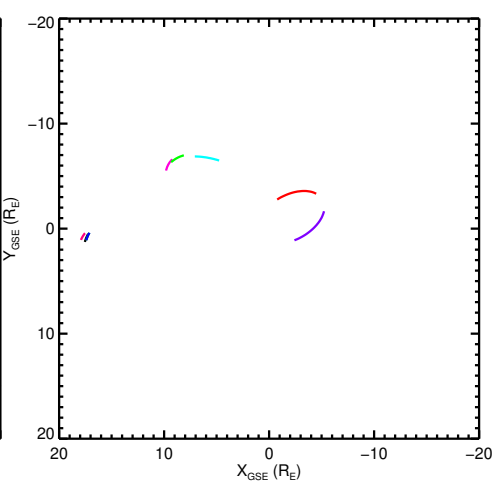




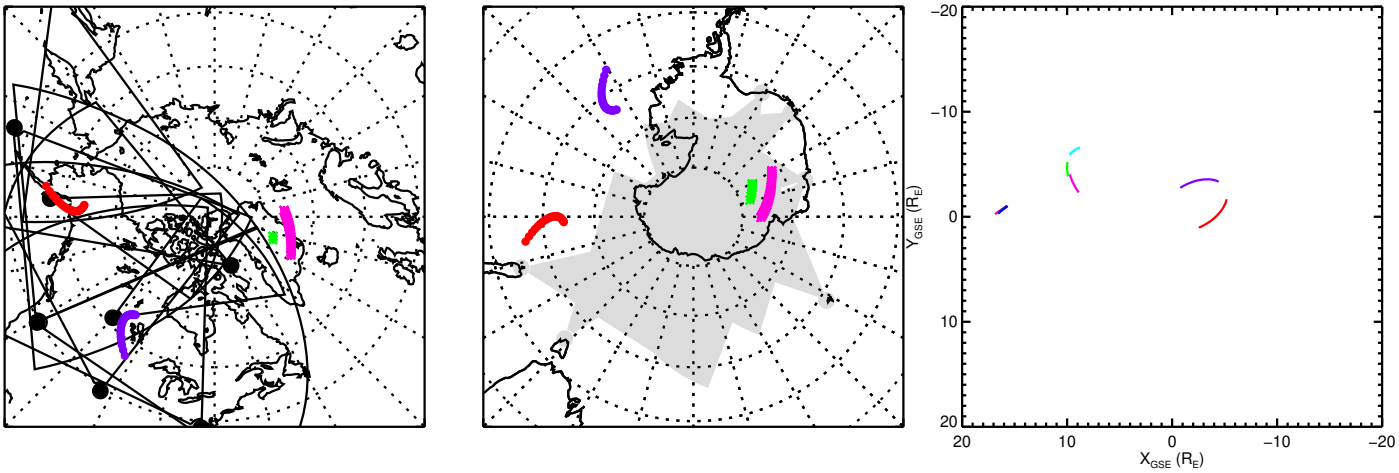
(b) 0510UT to 0735UT
bks cve fhe fhw wal





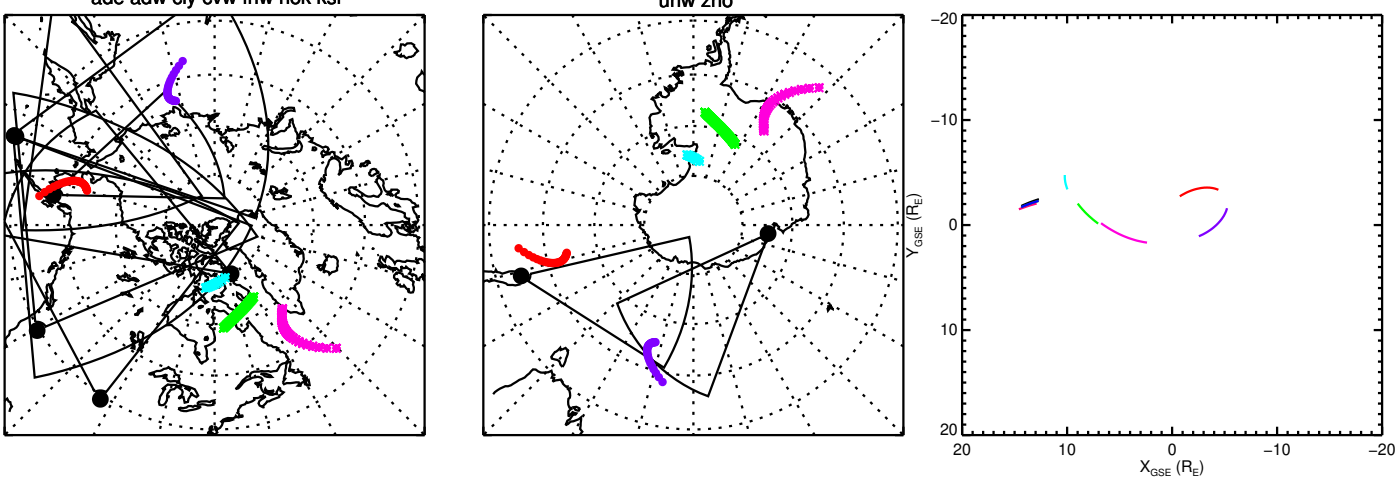


(c) 0945UT to 1205UT
ade bks cly cve cvw fhw hok kod sas



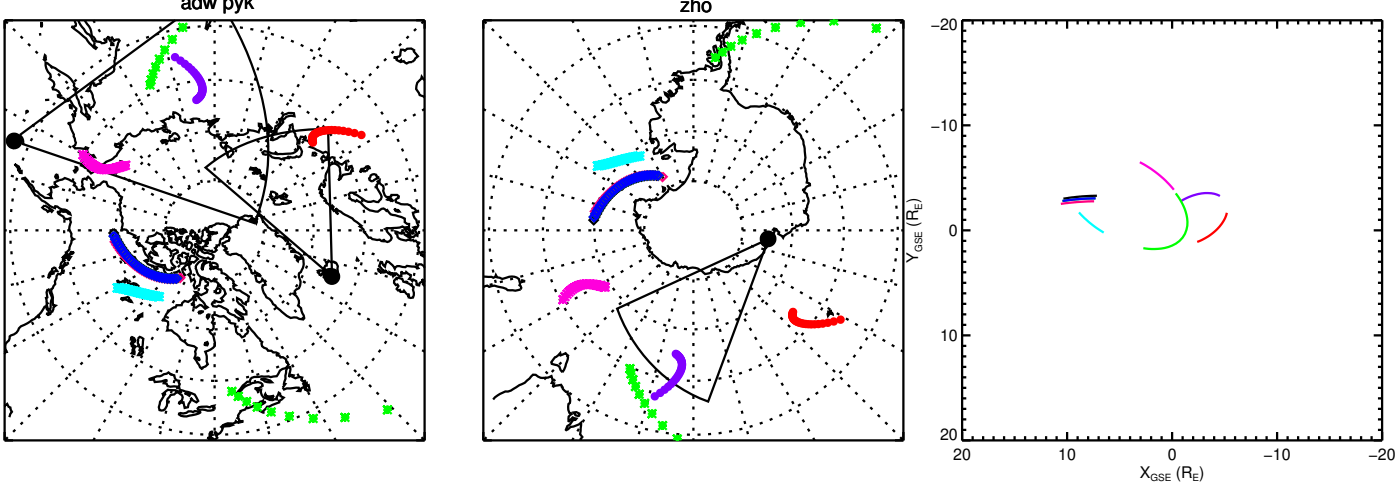
(d) 1415UT to 1635UT
ade adw cly cvw fhw hok ksr

unw zho



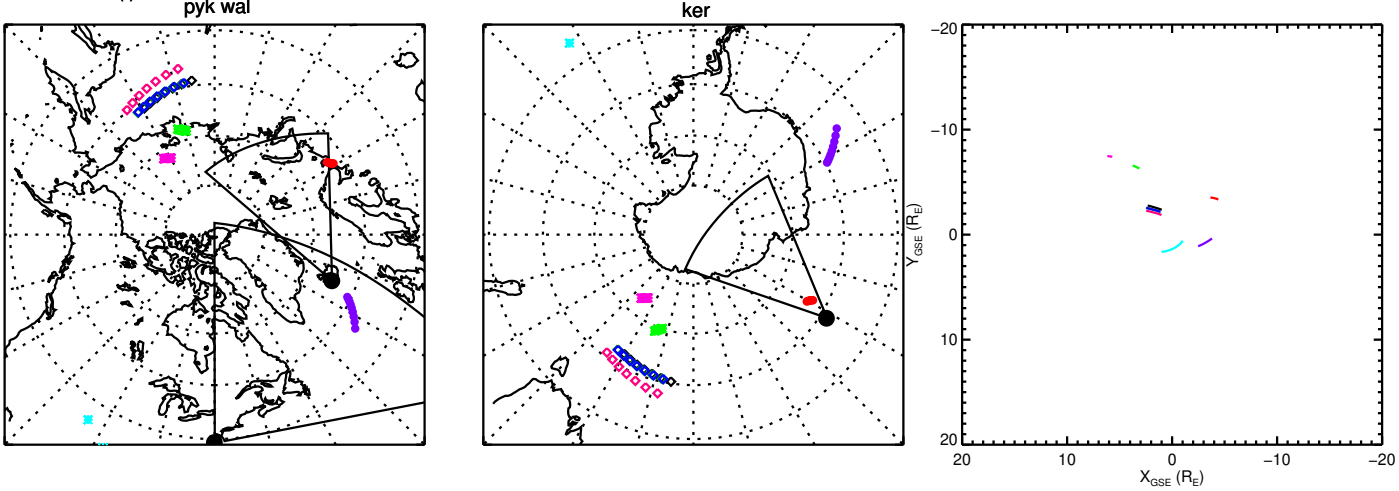
(e) 1840UT to 2105UT
adw pyk

zho



(f) 2315UT to 2355UT
pyk wal

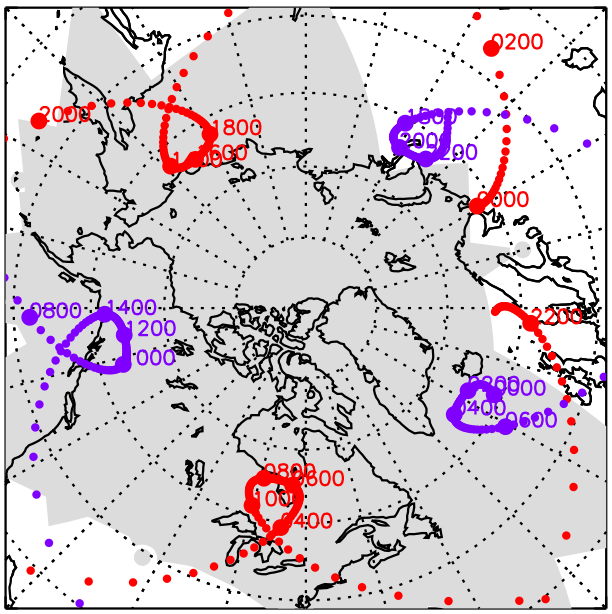
ker

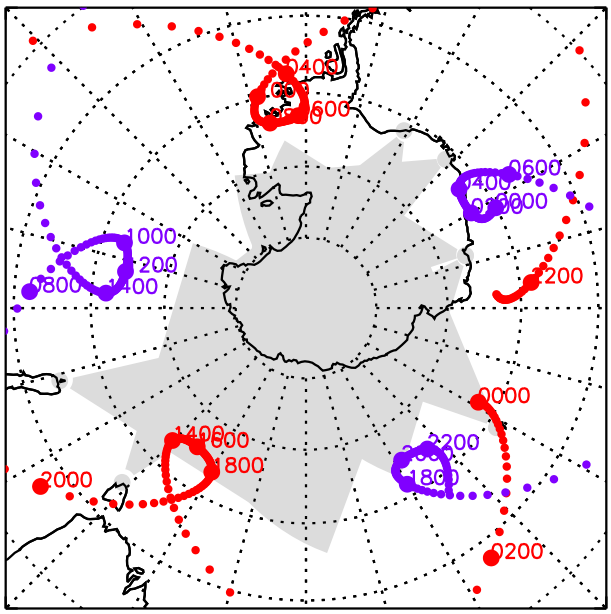


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

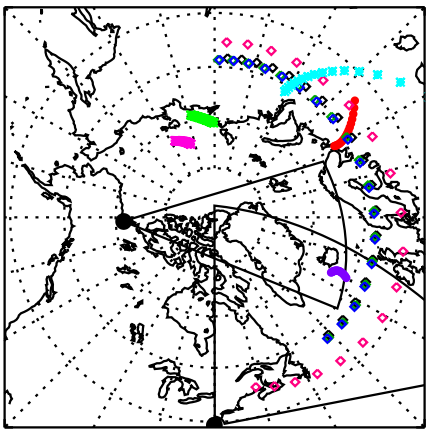
21−Feb−2013

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

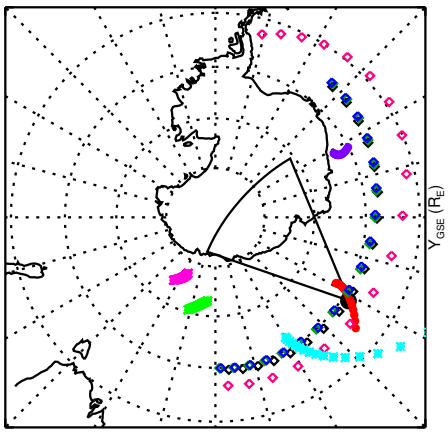


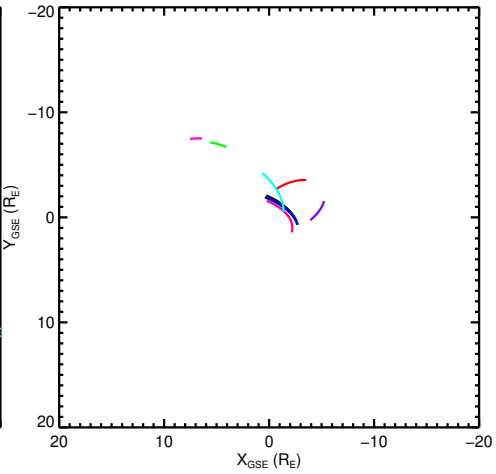


(a) 0000UT to 0135UT
inv wal

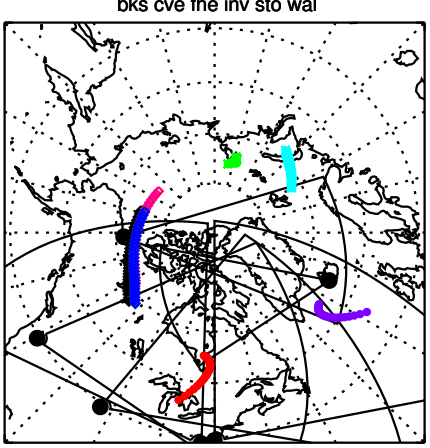


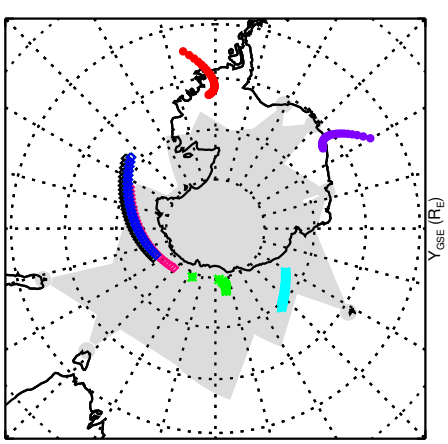
ker

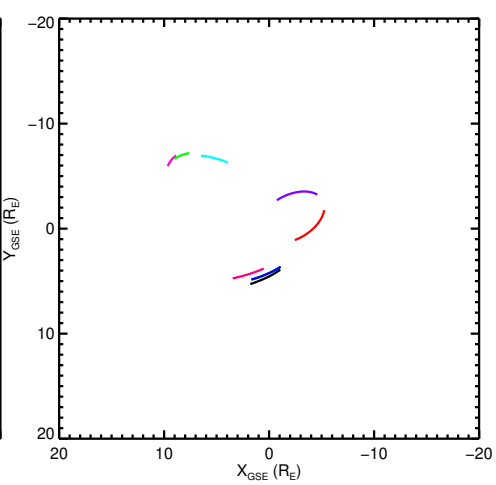




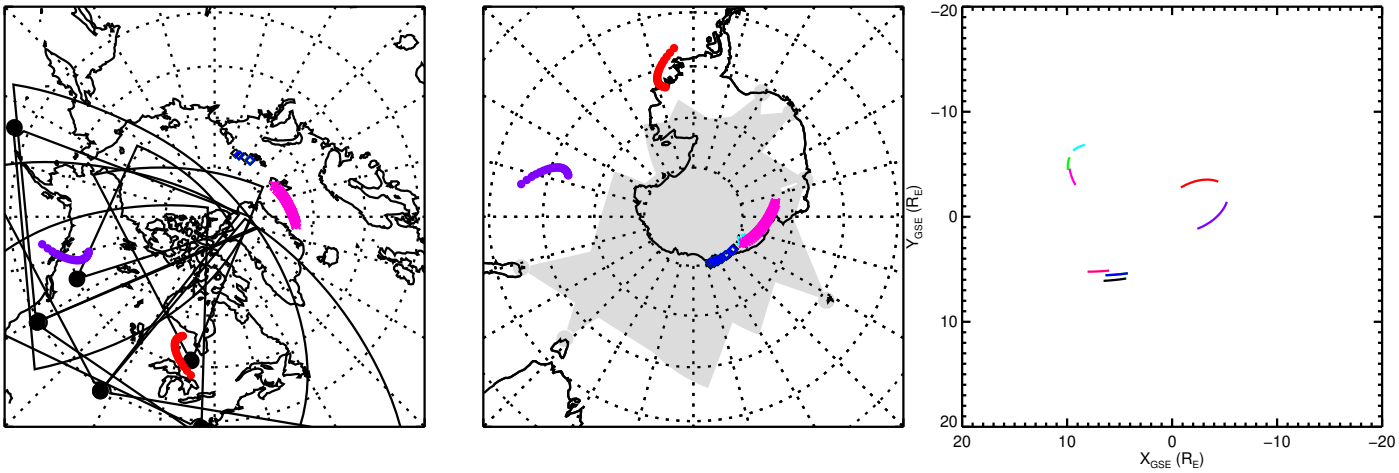
(b) 0340UT to 0610UT
bks cve fhe inv sto wal





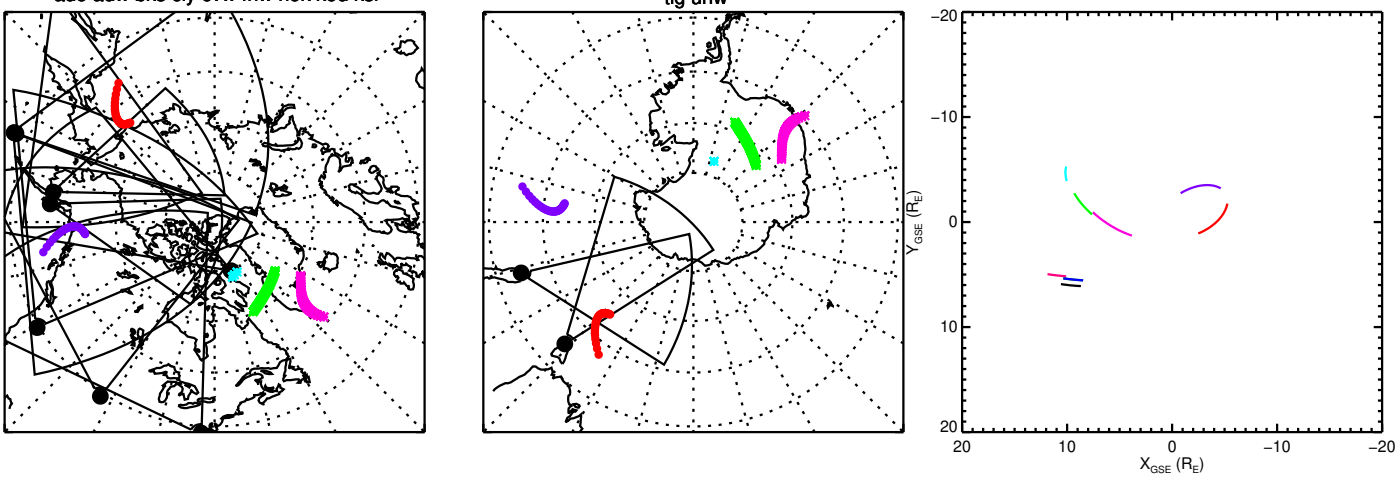


(c) 0815UT to 1030UT
ade bks cve cvw fhe fhw kap pgr



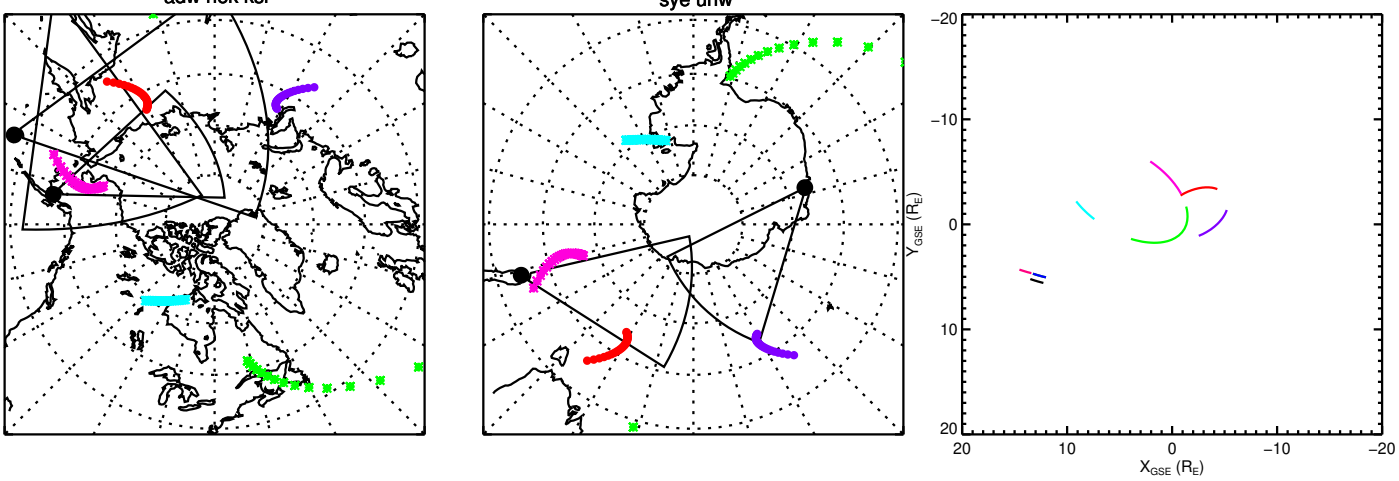
(d) 1240UT to 1510UT
ade adw bks cly cvw fhw hok kod ksr

tig unw

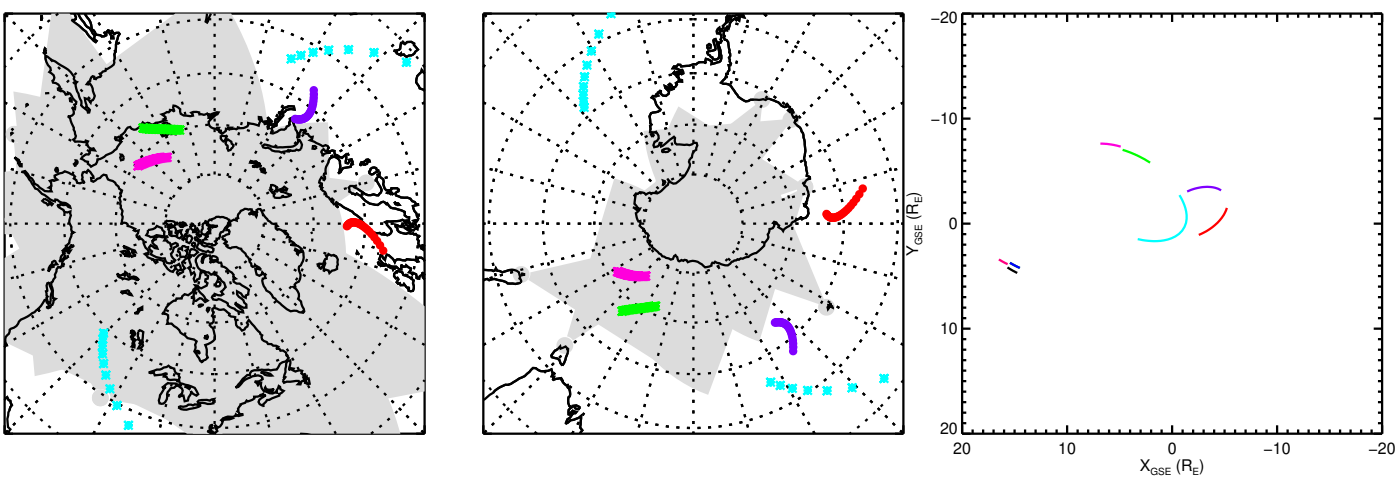


(e) 1720UT to 1930UT
adw hok ksr

sye unw



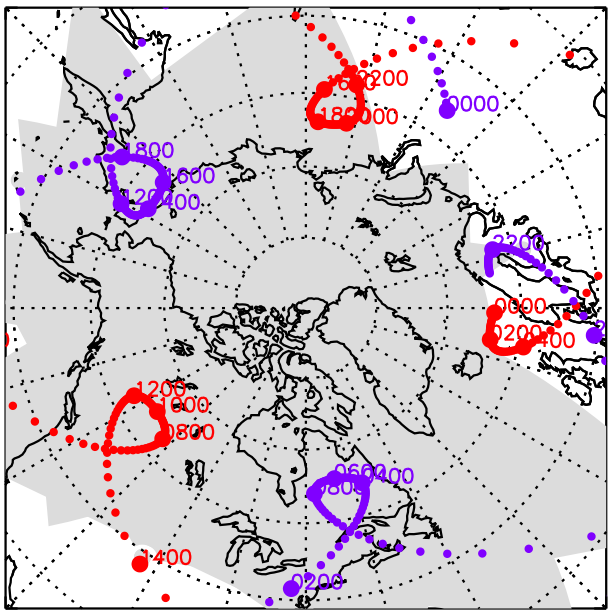
(f) 2140UT to 2355UT

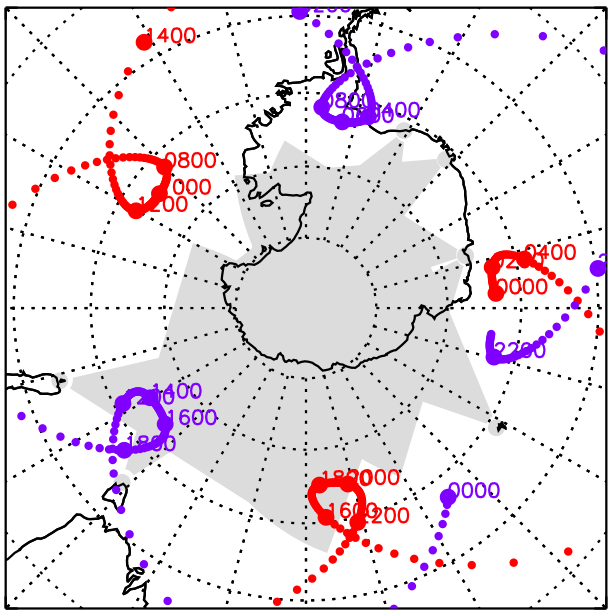


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

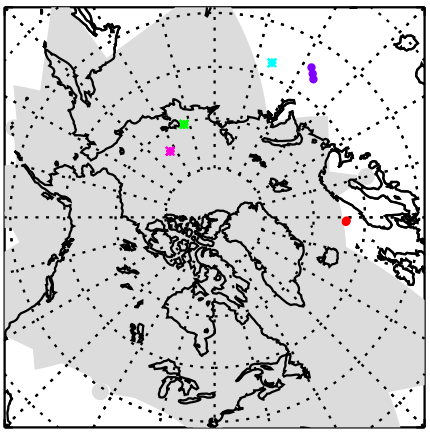
22–Feb–2013

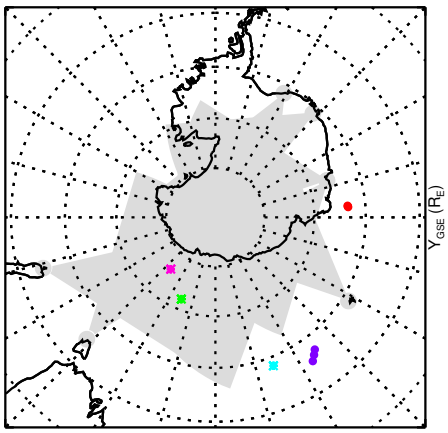
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

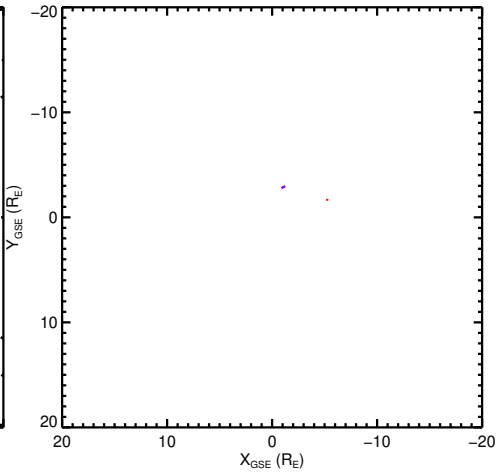




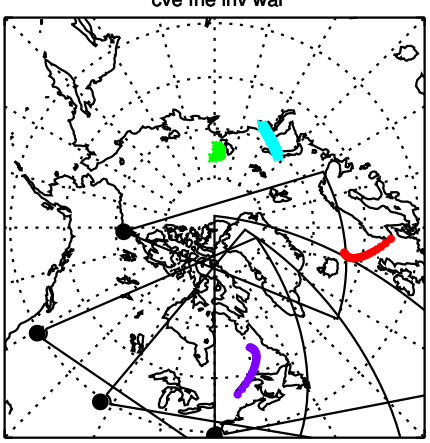
(a) 0000UT to 0010UT

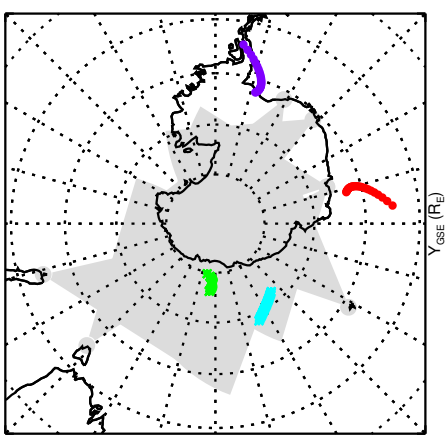


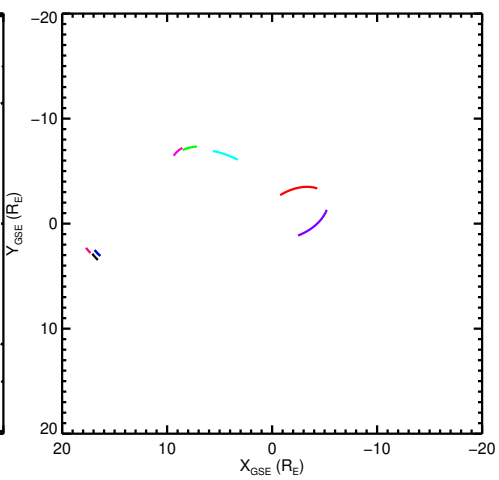




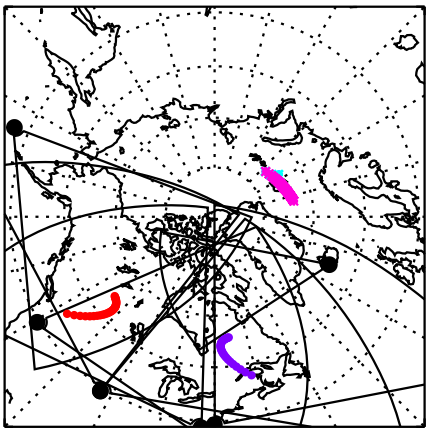
(b) 0220UT to 0430UT
cve fhe inv wal

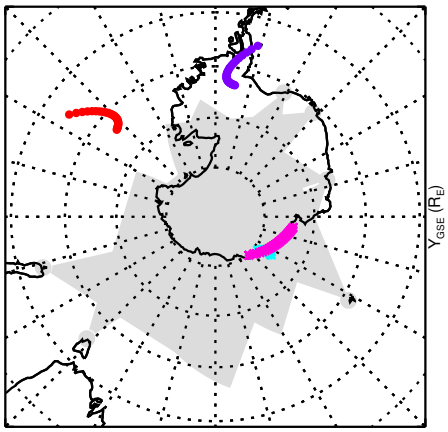


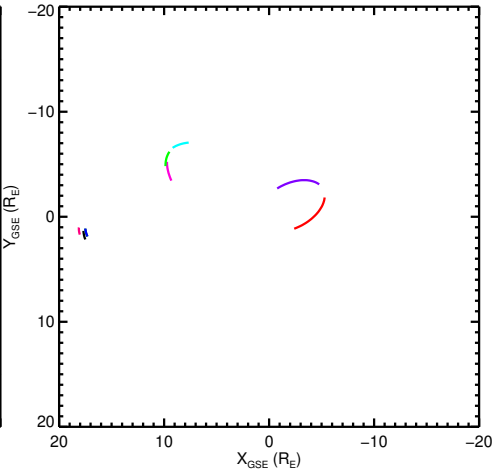




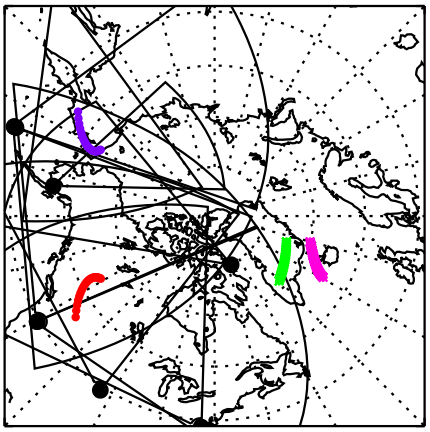
(c) 0635UT to 0915UT
ade bks cve fhe fhw sto wal



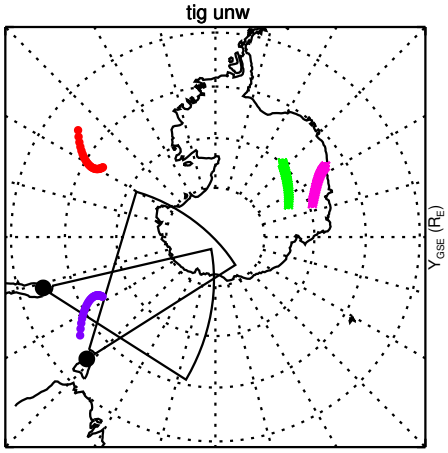


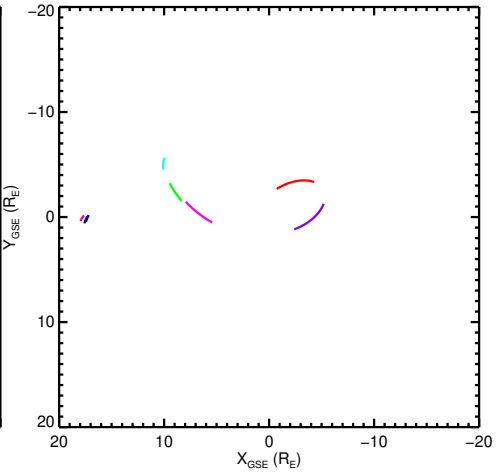


(d) 1120UT to 1330UT
ade adw bks cly cve cvw fhw hok ksr

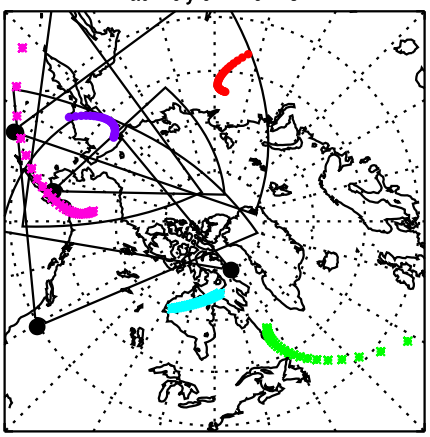


tig unw

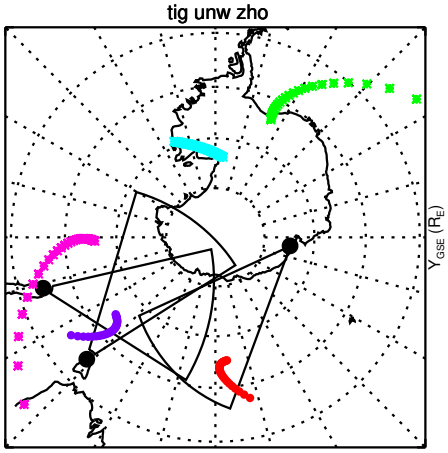


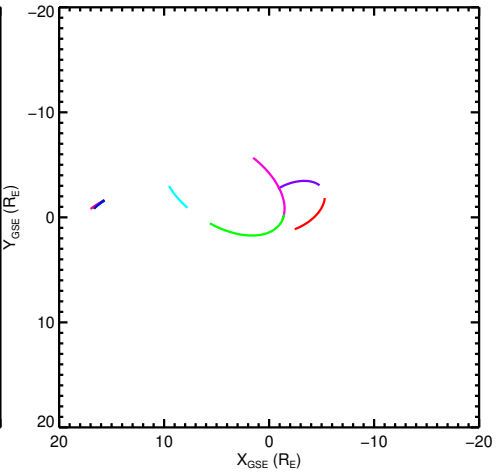


(e) 1535UT to 1815UT
adw cly cvw hok ksr

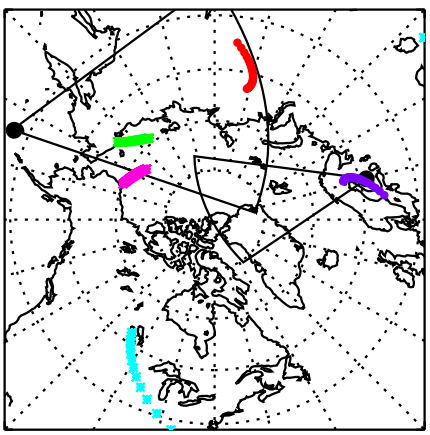


tig unw zho

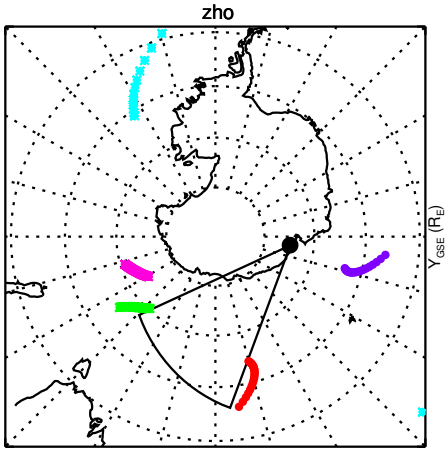


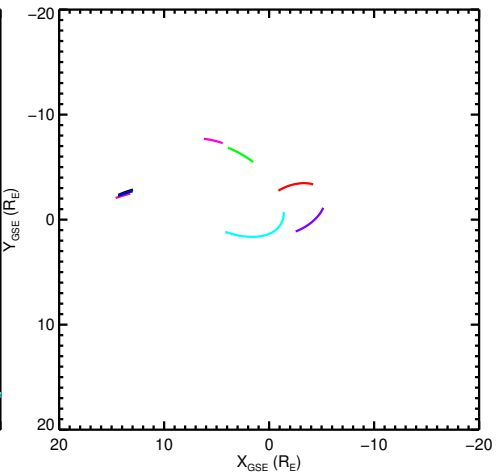


(f) 2025UT to 2225UT
adw han



zho

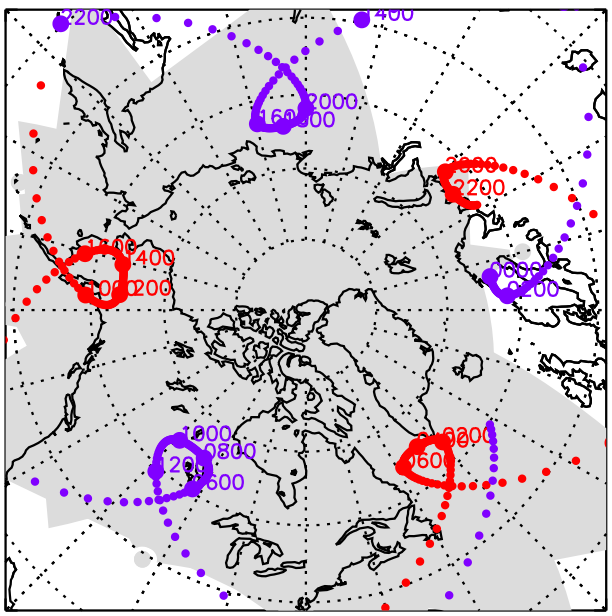


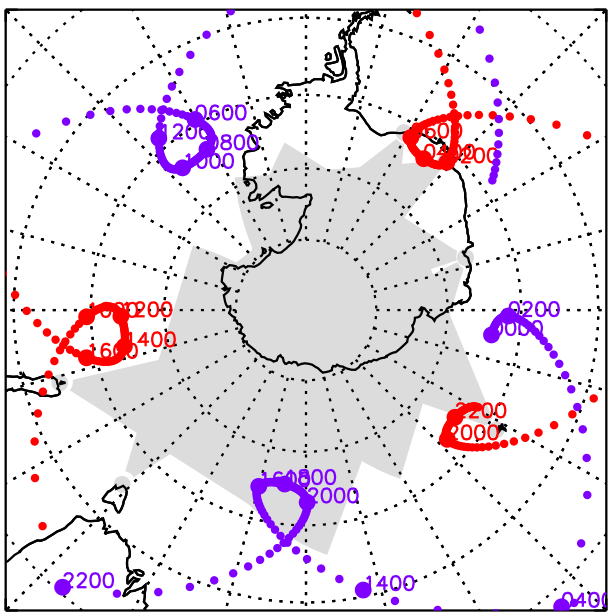


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

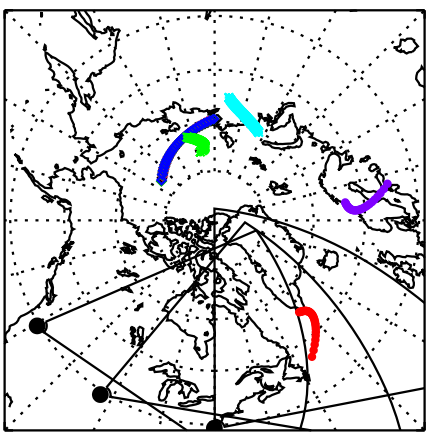
23–Feb–2013

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

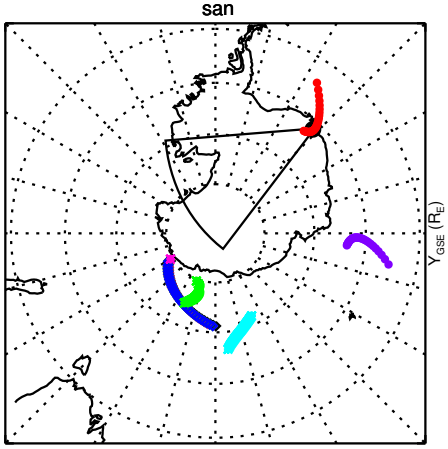


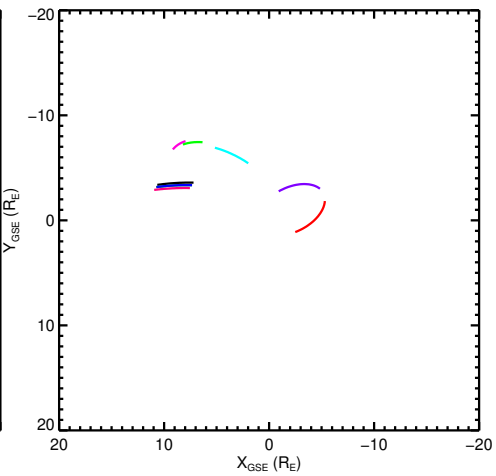


(a) 0035UT to 0315UT
cve fhe wal

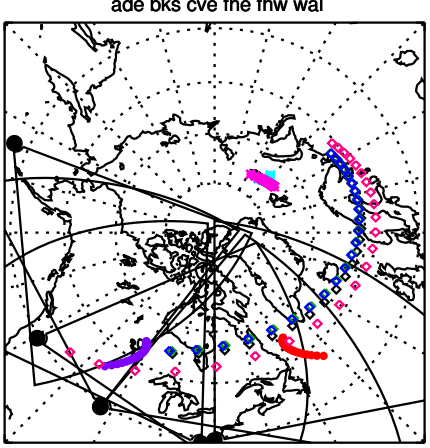


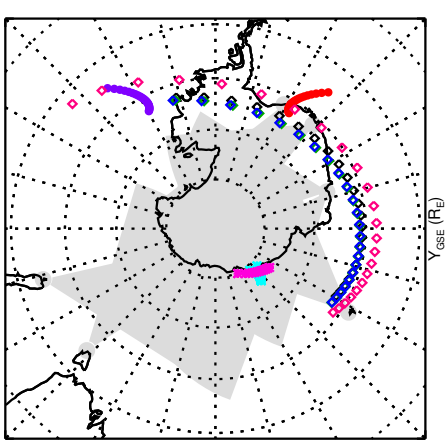
san

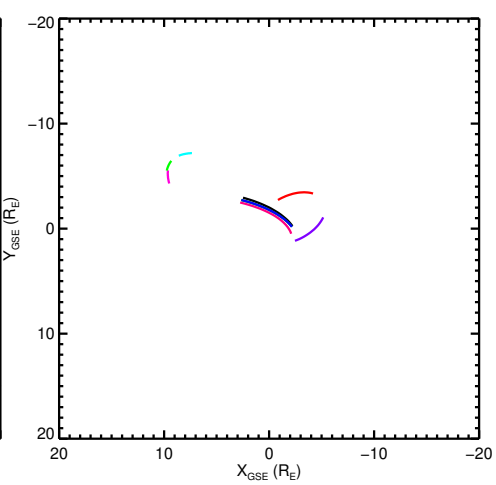




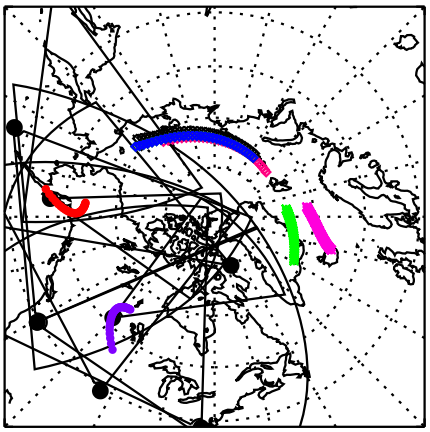
(b) 0525UT to 0725UT
ade bks cve fhe fhw wal

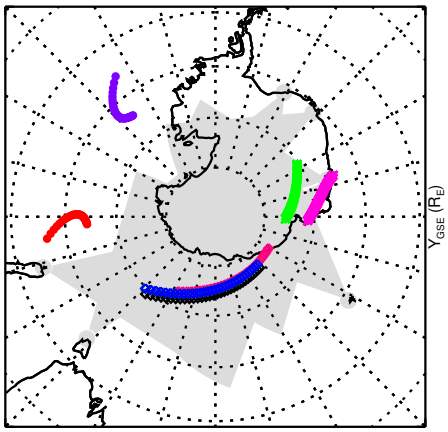


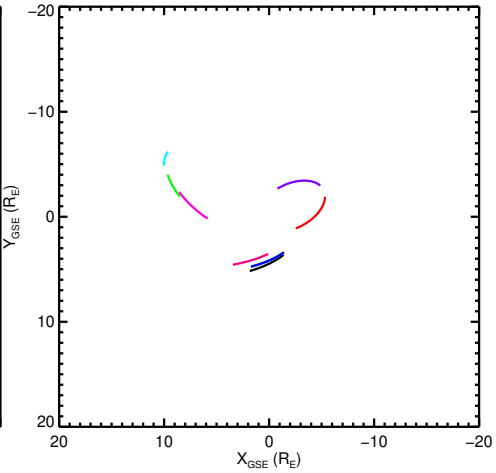




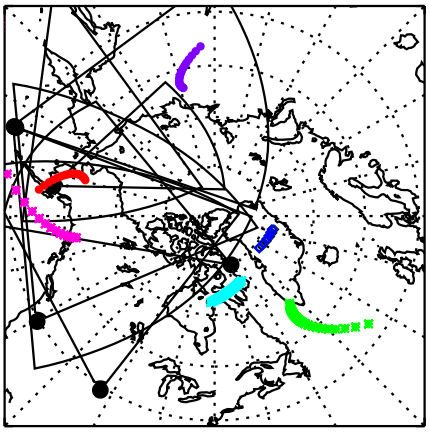
(c) 0935UT to 1220UT
ade bks cly cve cvw fhw hok kod sas



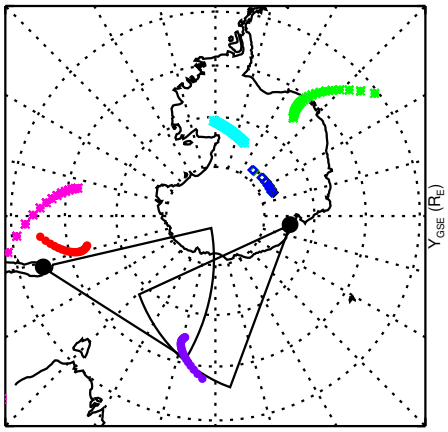


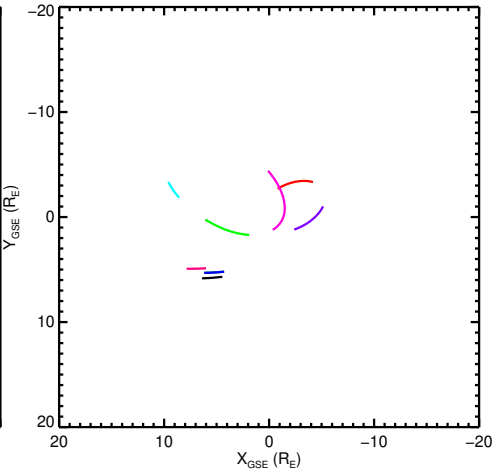


(d) 1425UT to 1625UT
ade adw cly cvw fhw hok ksr

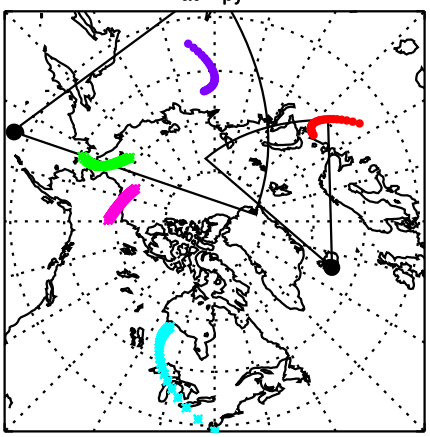


unw zho

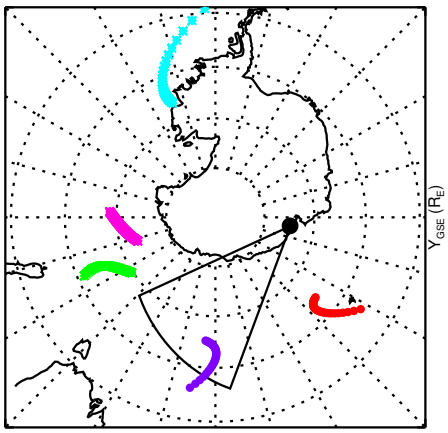


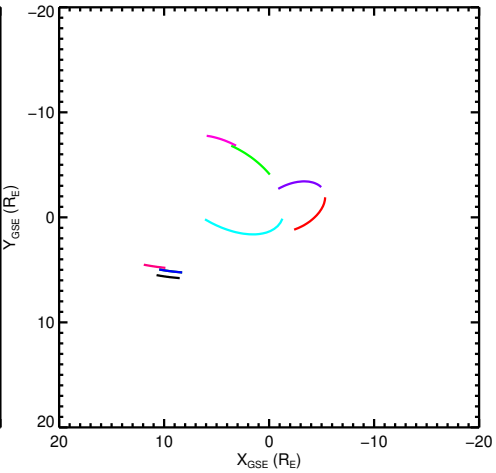


(e) 1830UT to 2120UT
adw pyk

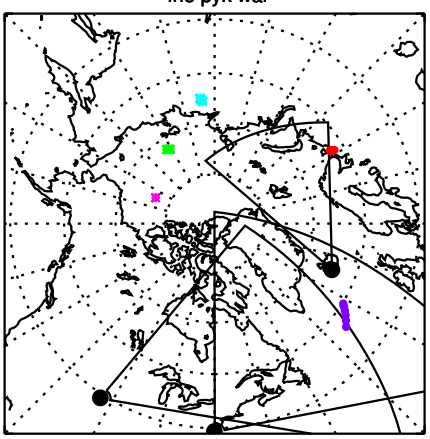


zho

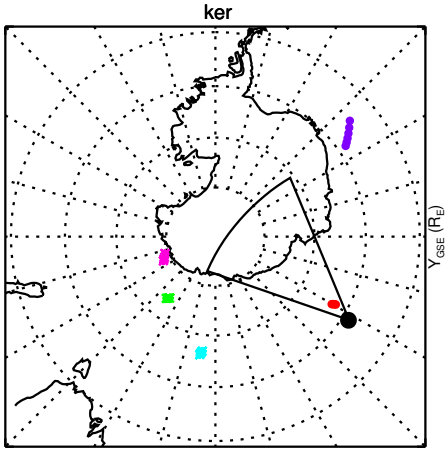


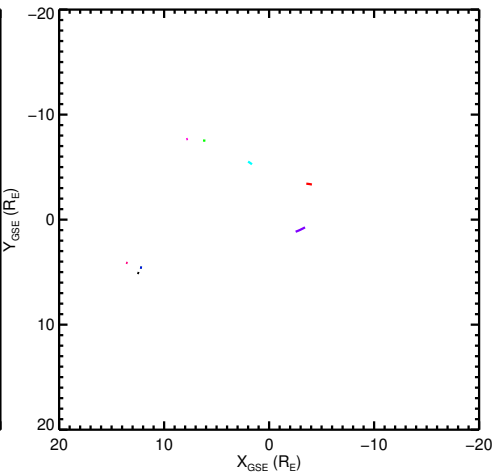


(f) 2330UT to 2355UT
fhe pyk wal



ker

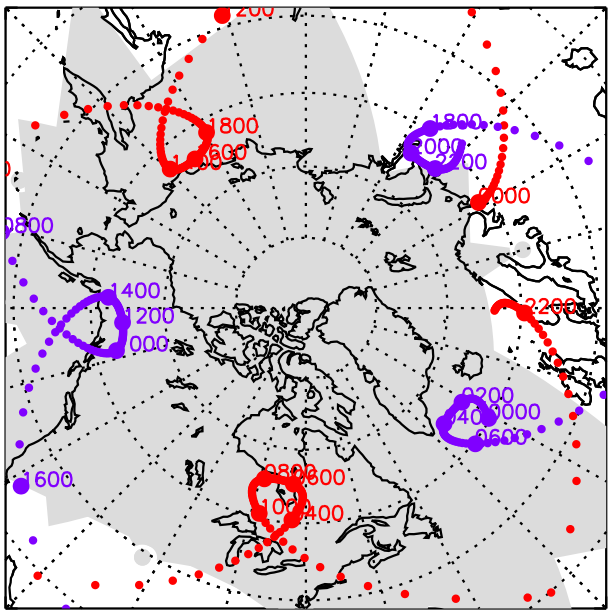


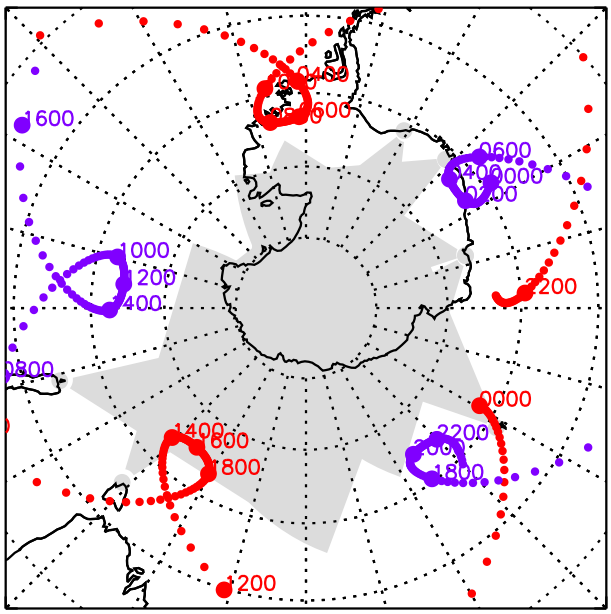


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

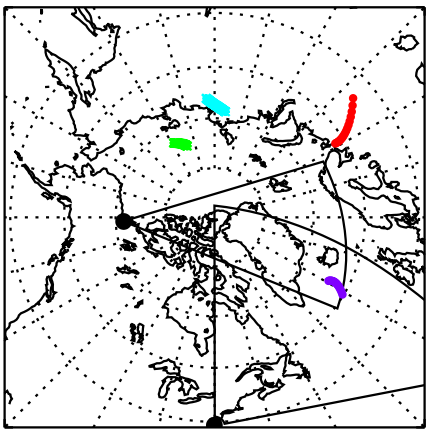
24–Feb–2013

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

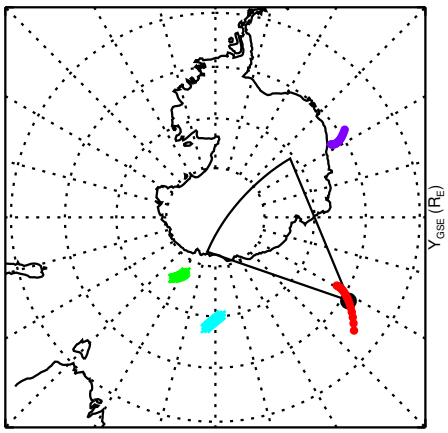


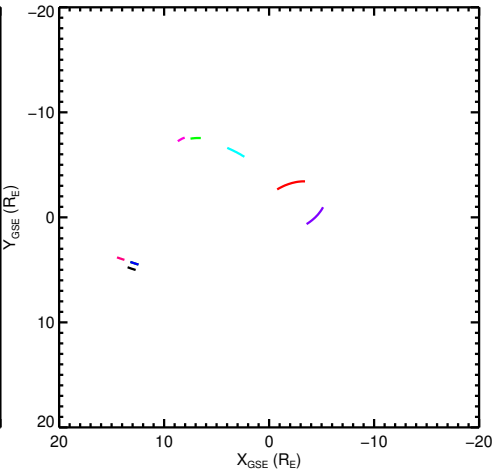


(a) 0000UT to 0125UT
inv wal

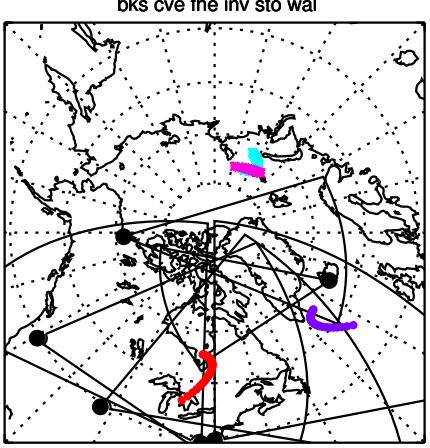


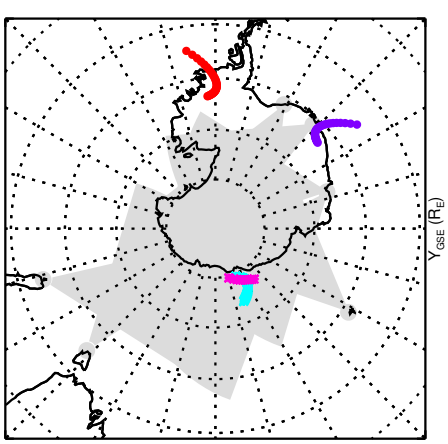
ker

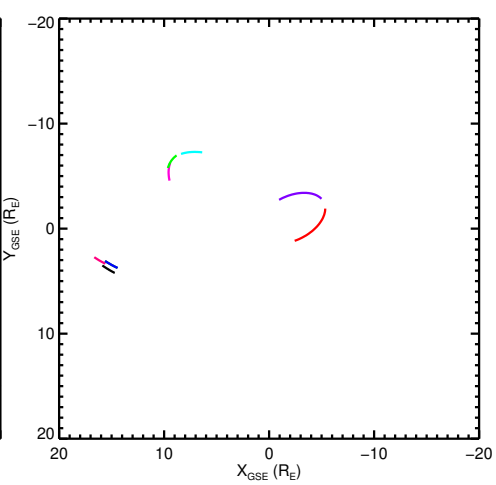




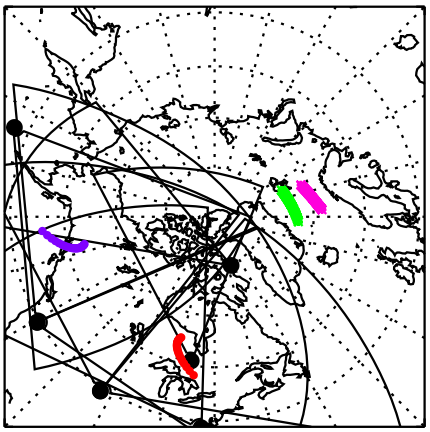
(b) 0330UT to 0620UT
bks cve fhe inv sto wal

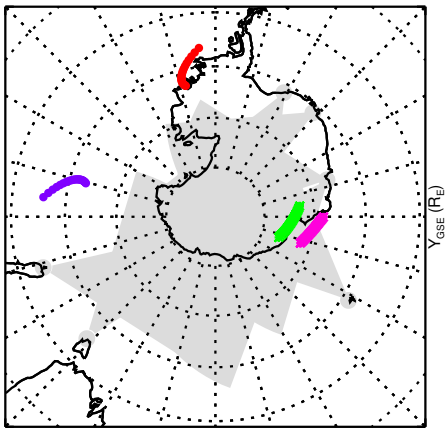


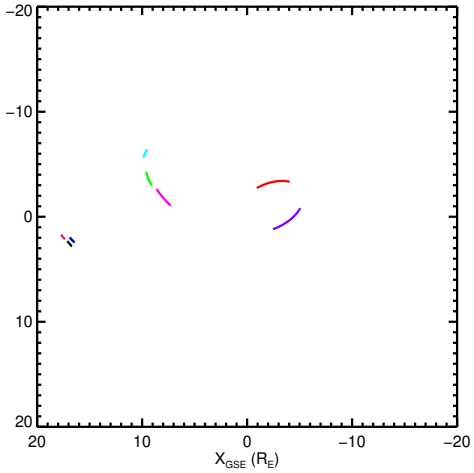




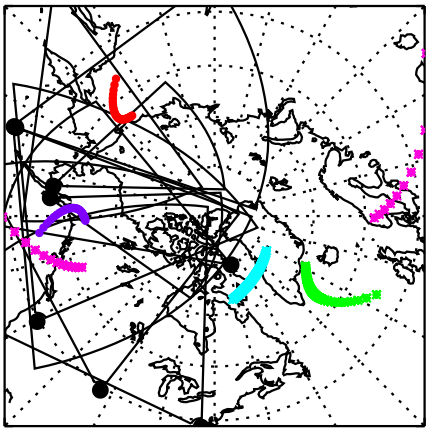
(c) 0830UT to 1020UT
ade bks cly cve cvw fhe fhw kap



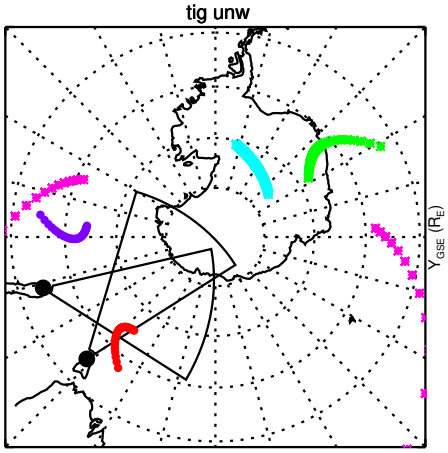


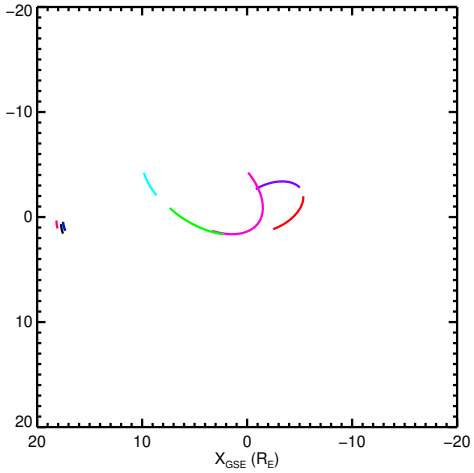


(d) 1230UT to 1525UT
ade adw bks cly cvw fhw hok kod ksr

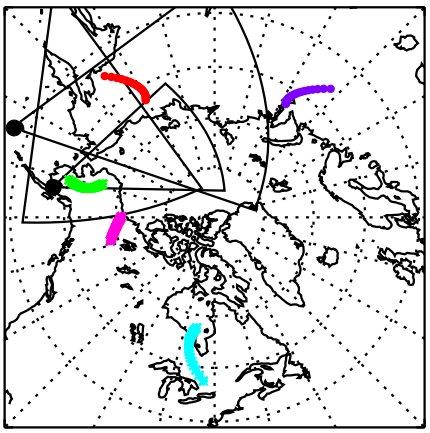


tig unw

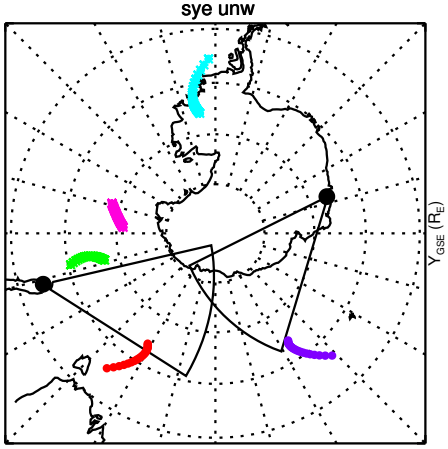


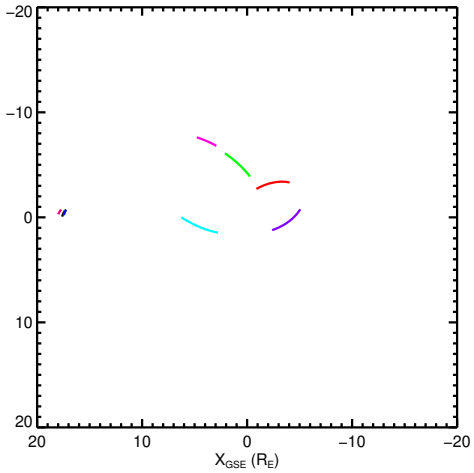


(e) 1730UT to 1920UT
adw hok ksr

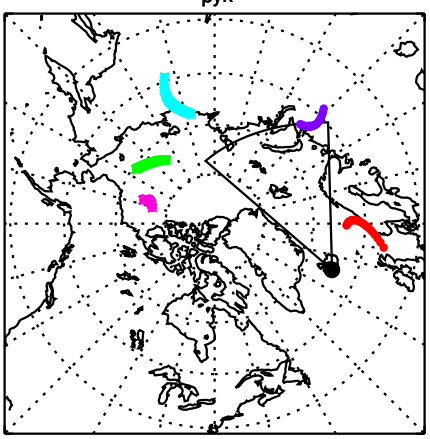


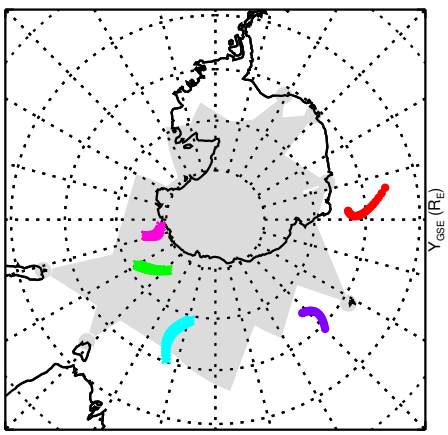
sye unw

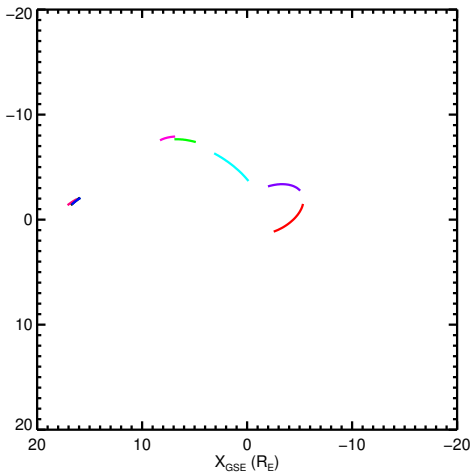




(f) 2130UT to 2355UT
pyk



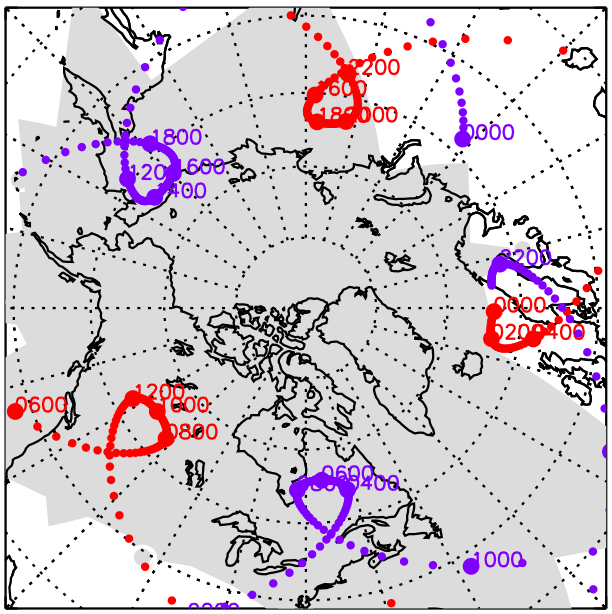


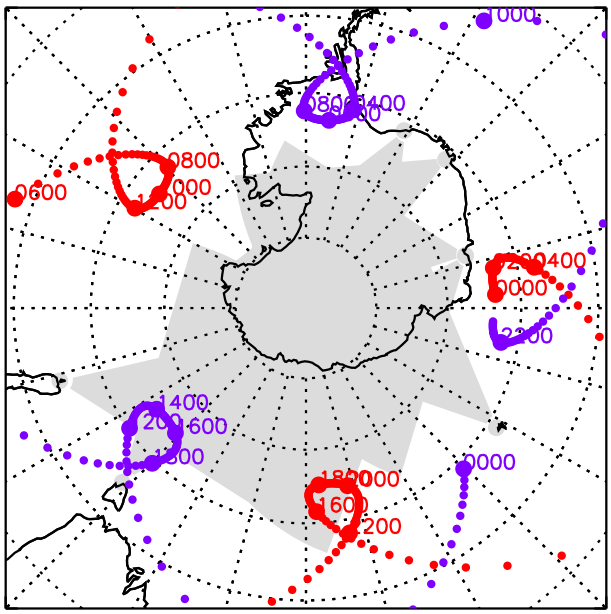


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

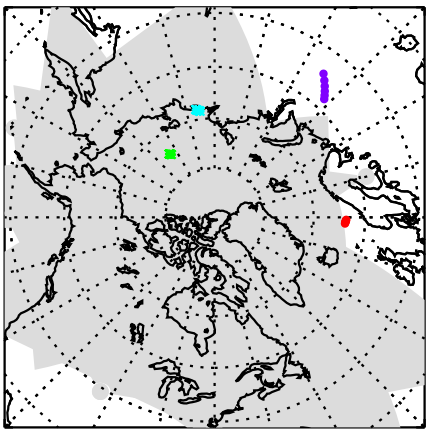
25–Feb–2013

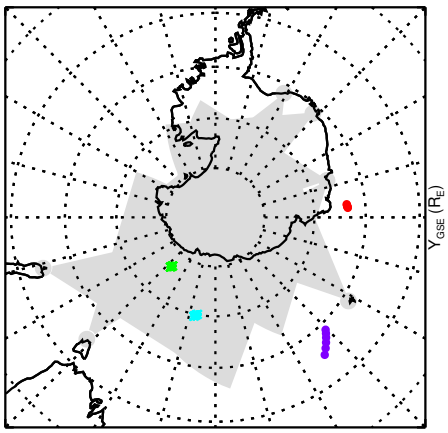
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

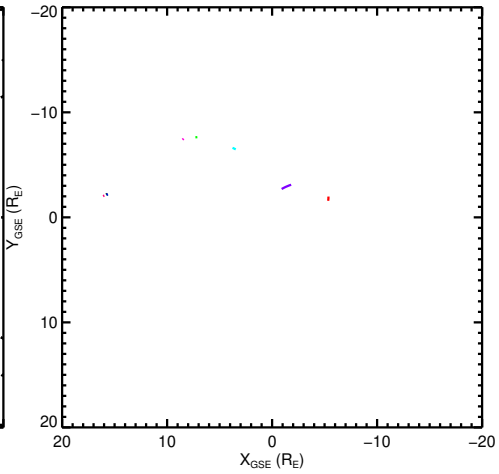




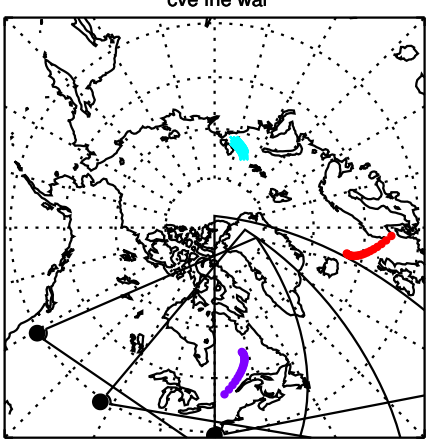
(a) 0000UT to 0025UT

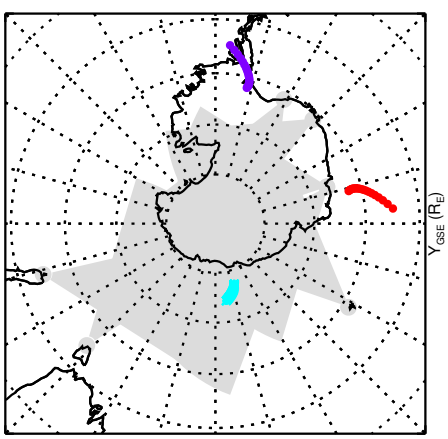


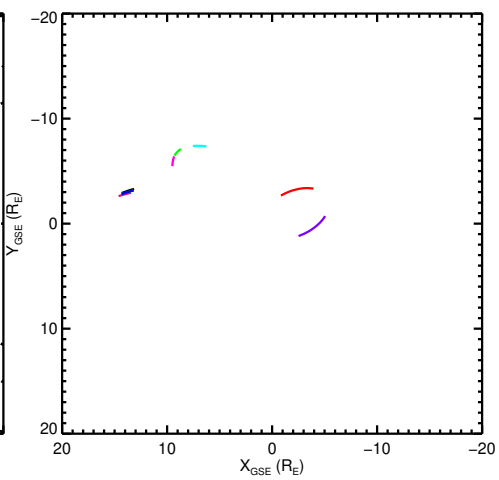




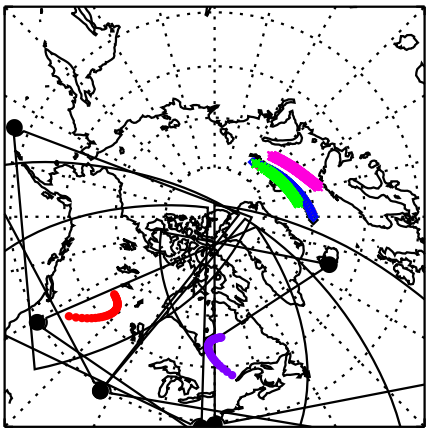
(b) 0235UT to 0420UT
cve fhe wal

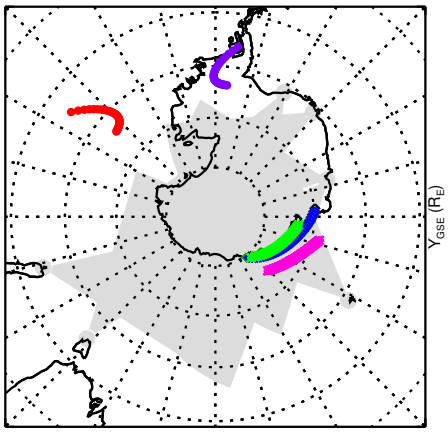


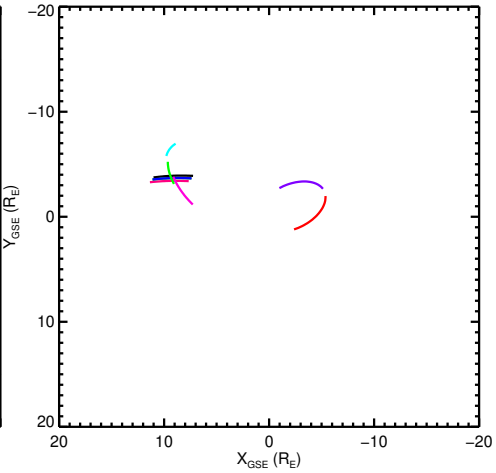




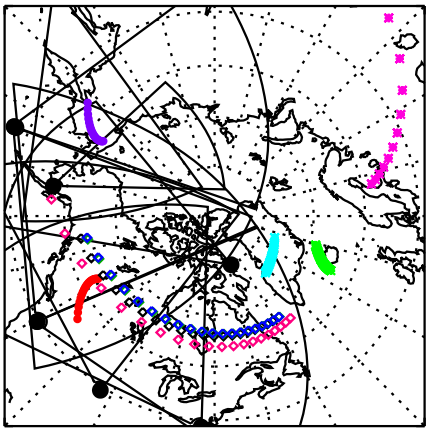
(c) 0625UT to 0925UT
ade bks cve fhe fhw sto wal



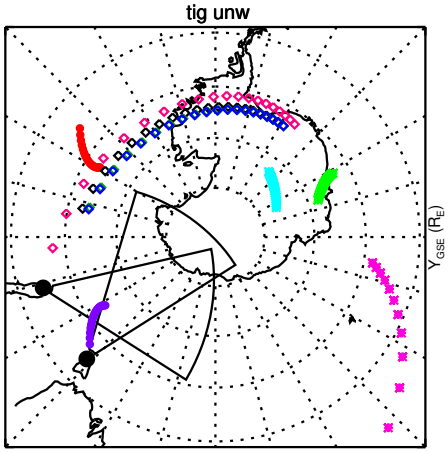


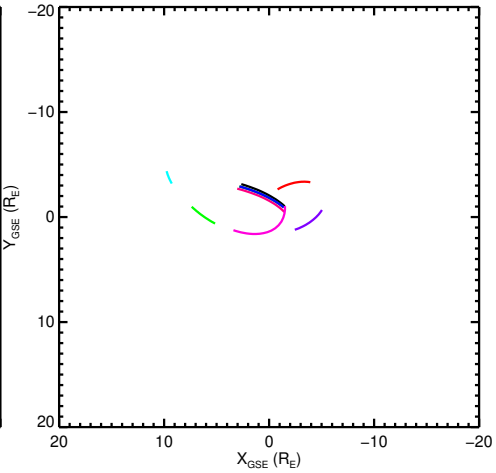


(d) 1135UT to 1320UT
ade adw bks cly cve cvw fhw hok ksr

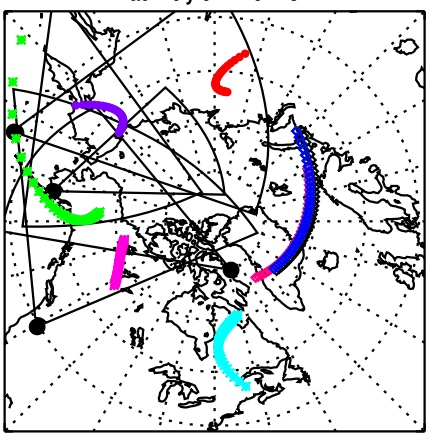


tig unw

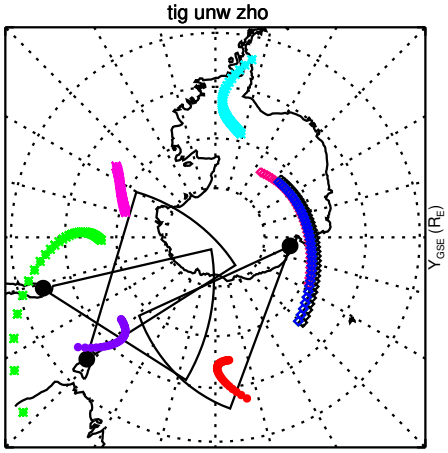


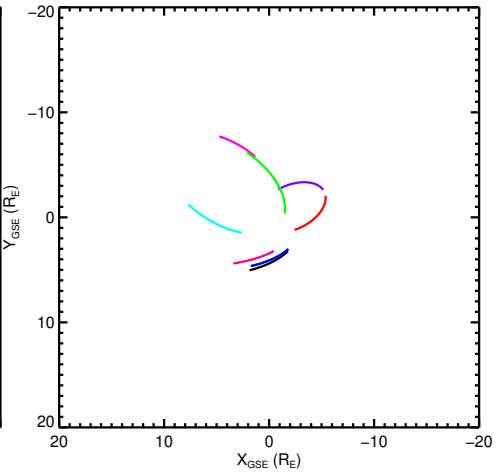


(e) 1525UT to 1830UT
adw cly cvw hok ksr

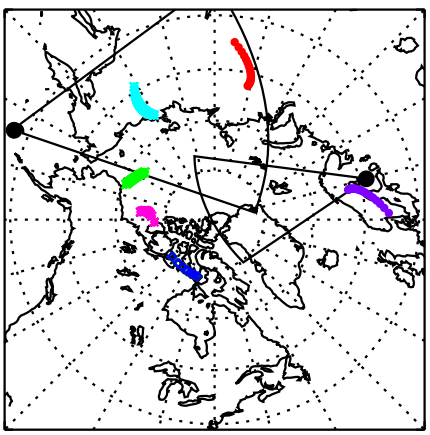


tig unw zho

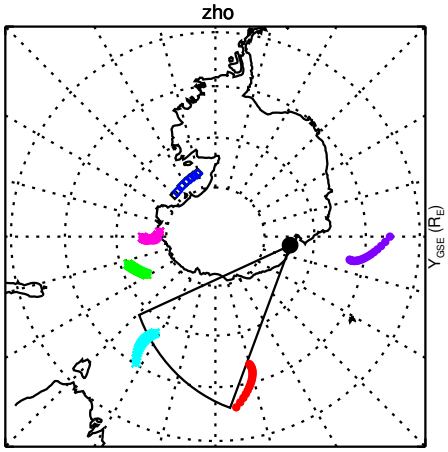


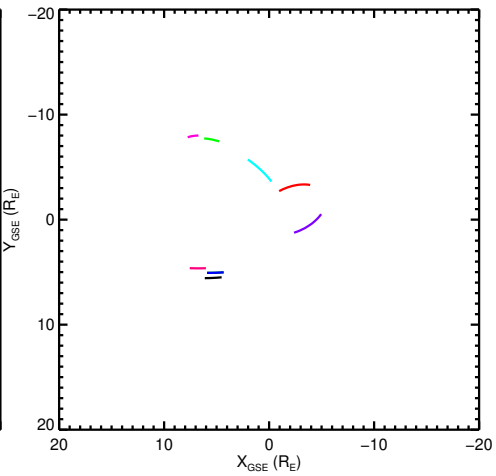


(f) 2035UT to 2215UT
adw han



zho

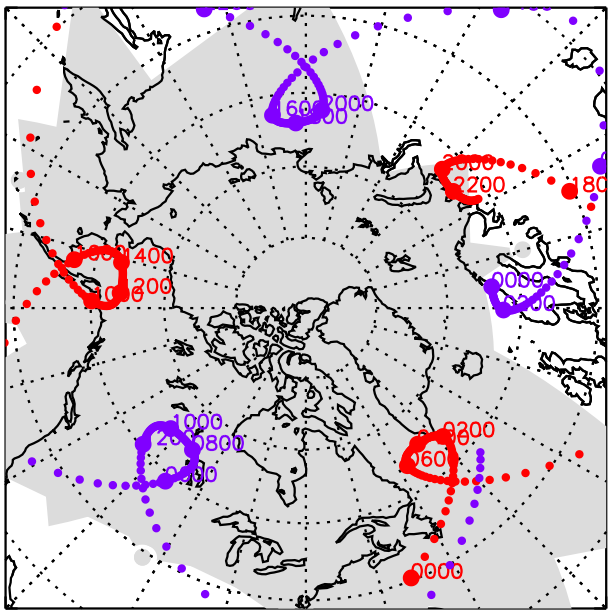


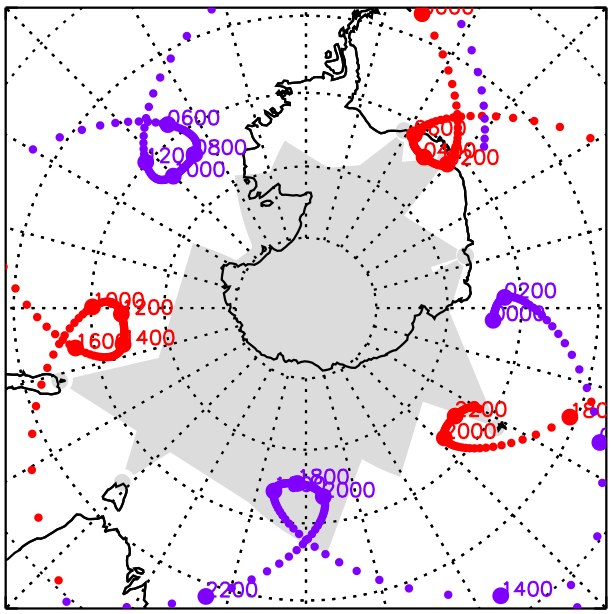


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

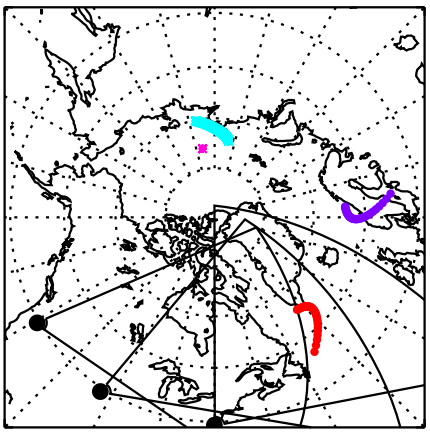
26–Feb–2013

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

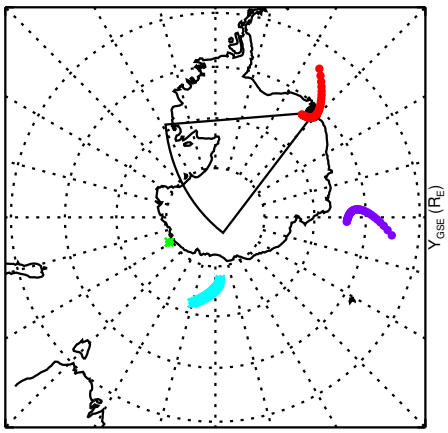


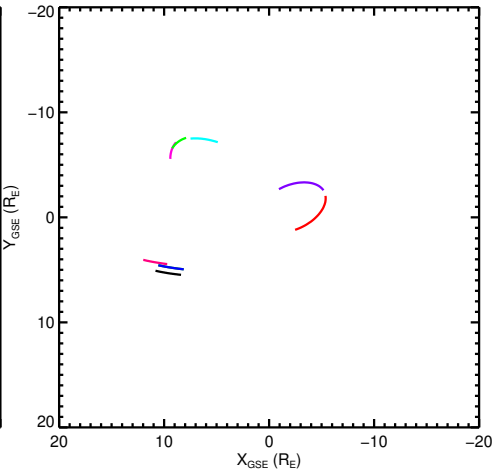


(a) 0025UT to 0330UT
cve fhe wal

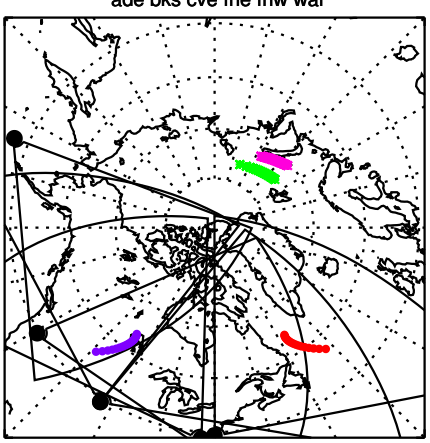


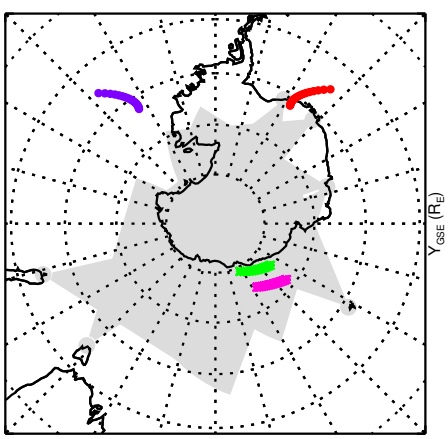
san

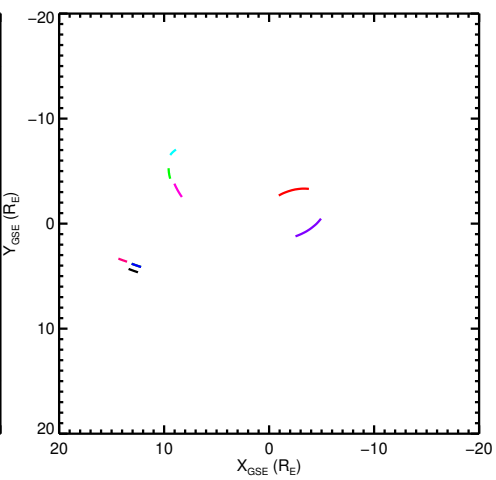




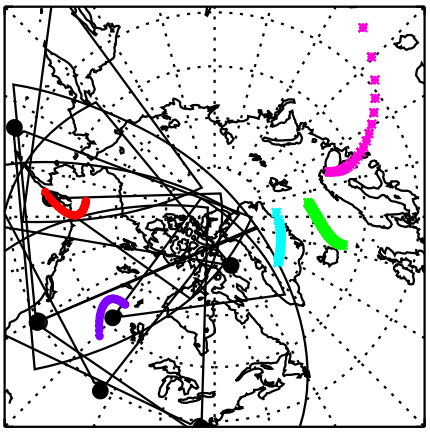
(b) 0540UT to 0715UT
ade bks cve fhe fhw wal

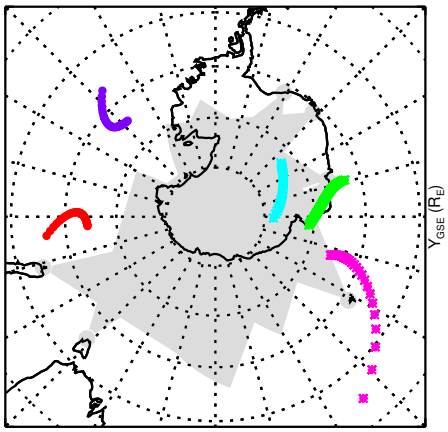


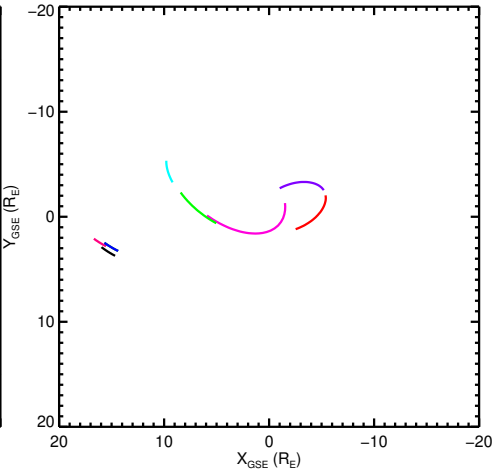




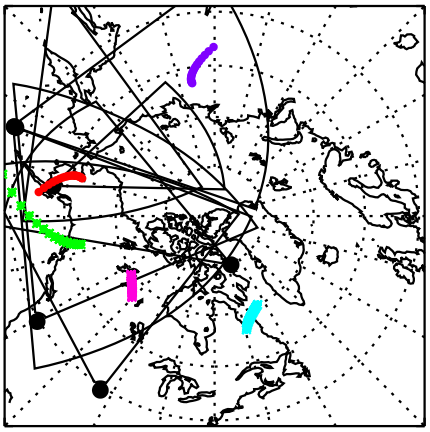
(c) 0925UT to 1230UT
ade bks cly cve cvw fhw hok kod sas



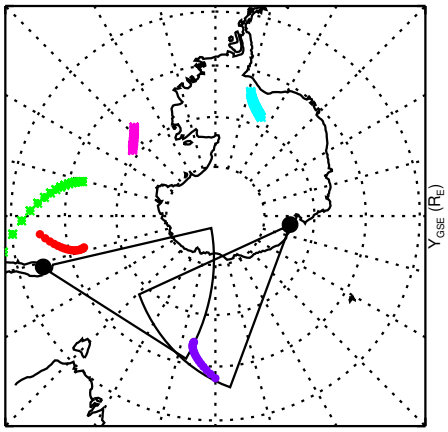


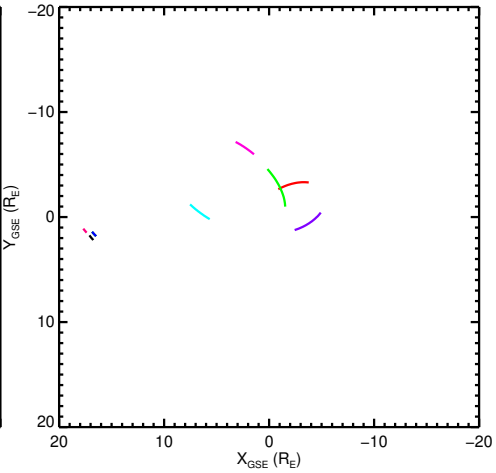


(d) 1440UT to 1615UT
ade adw cly cvw fhw hok ksr

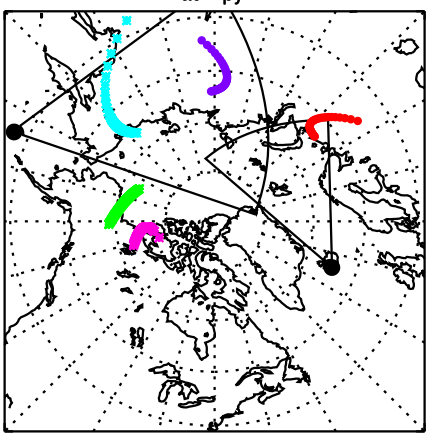


unw zho

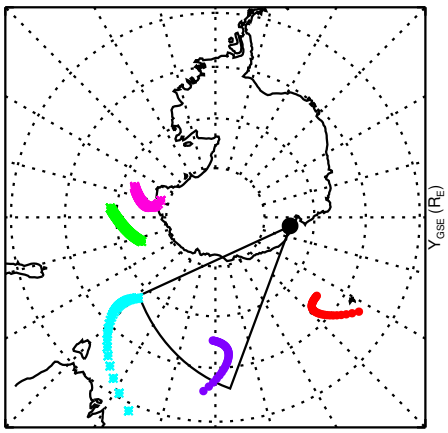


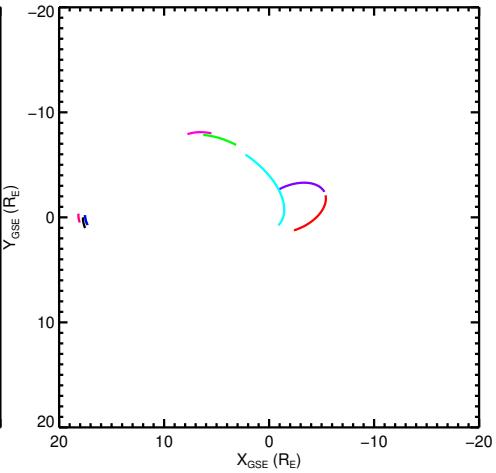


(e) 1820UT to 2135UT
adw pyk

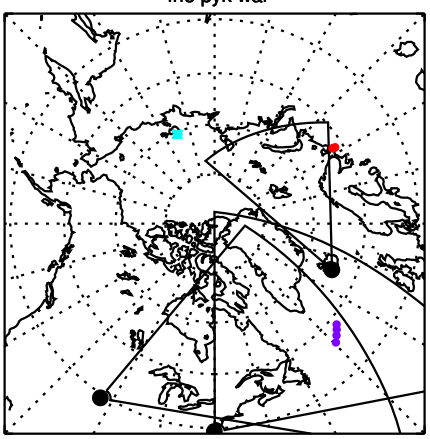


zho

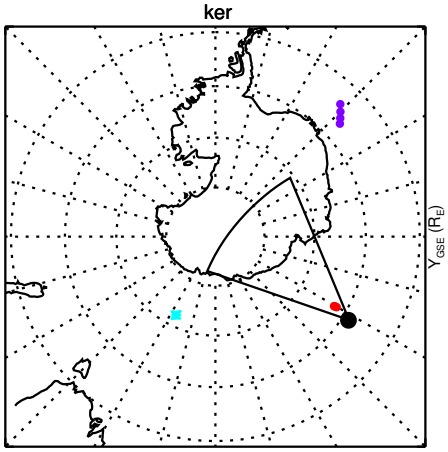


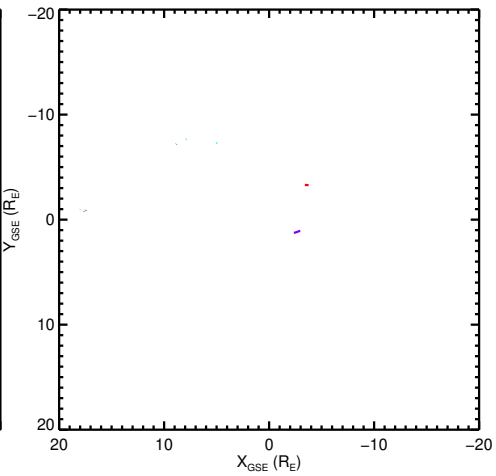


(f) 2340UT to 2355UT
fhe pyk wal



ker

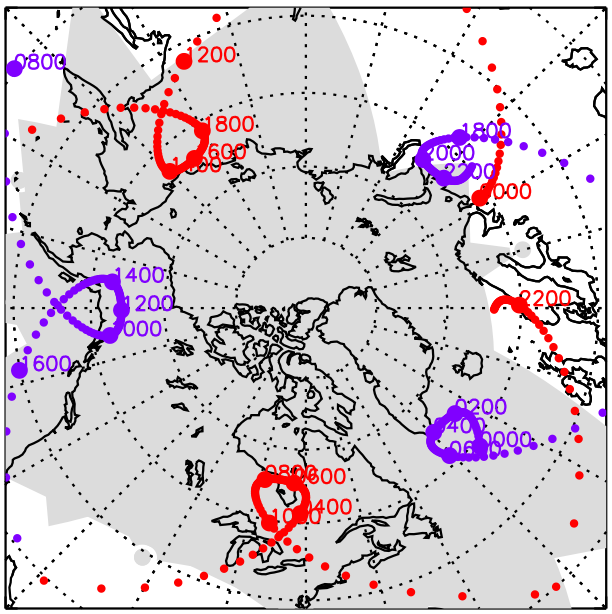


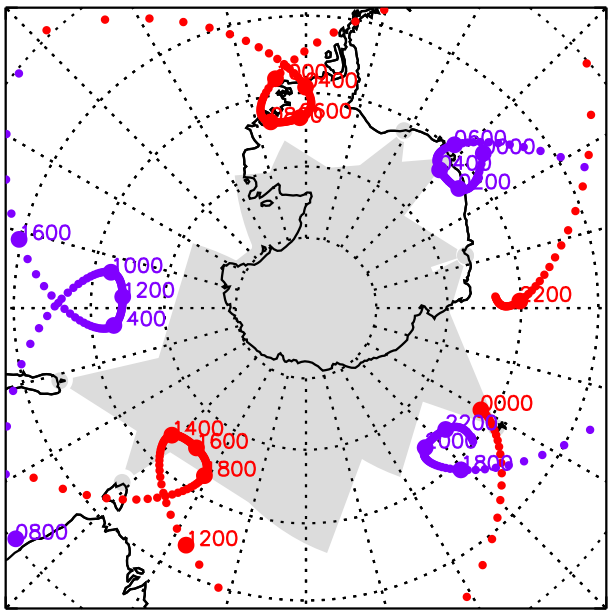


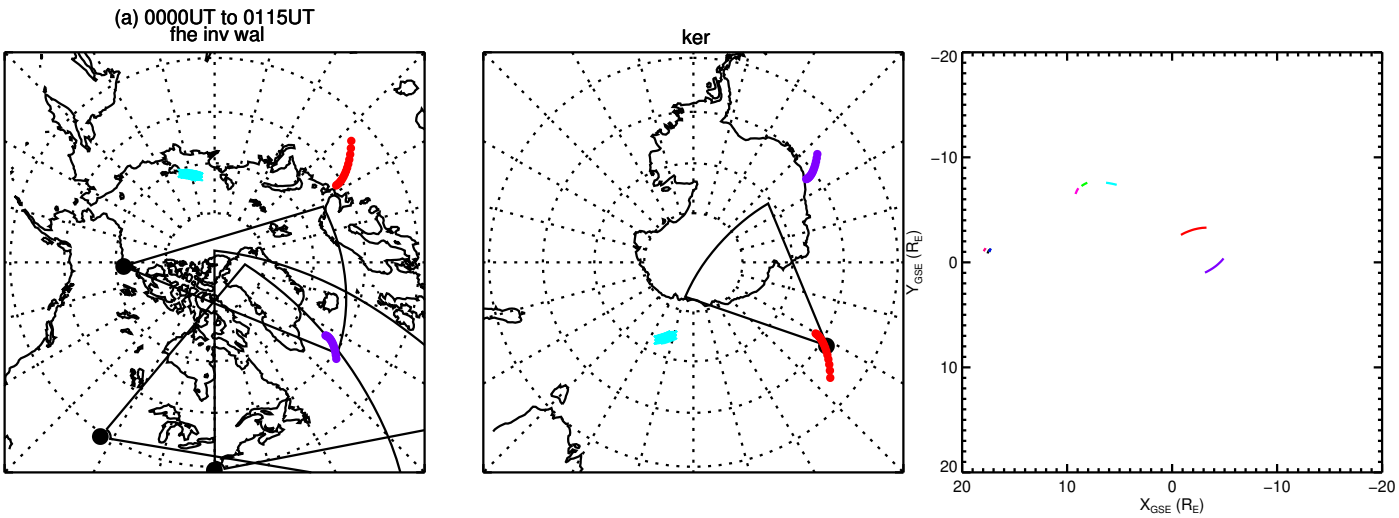
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

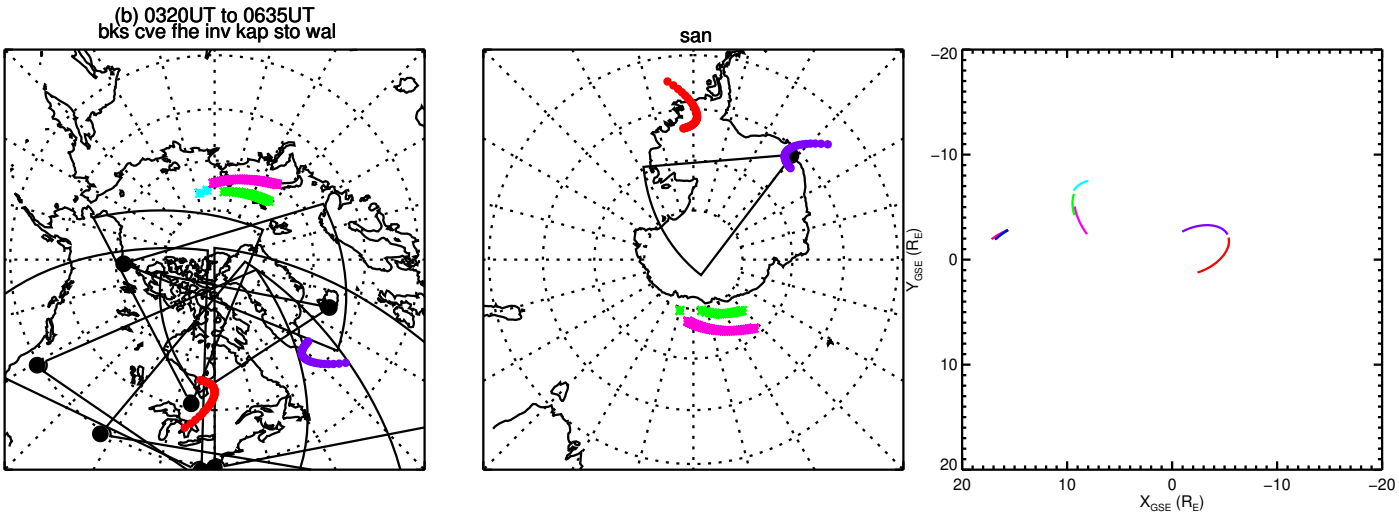
27–Feb–2013

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

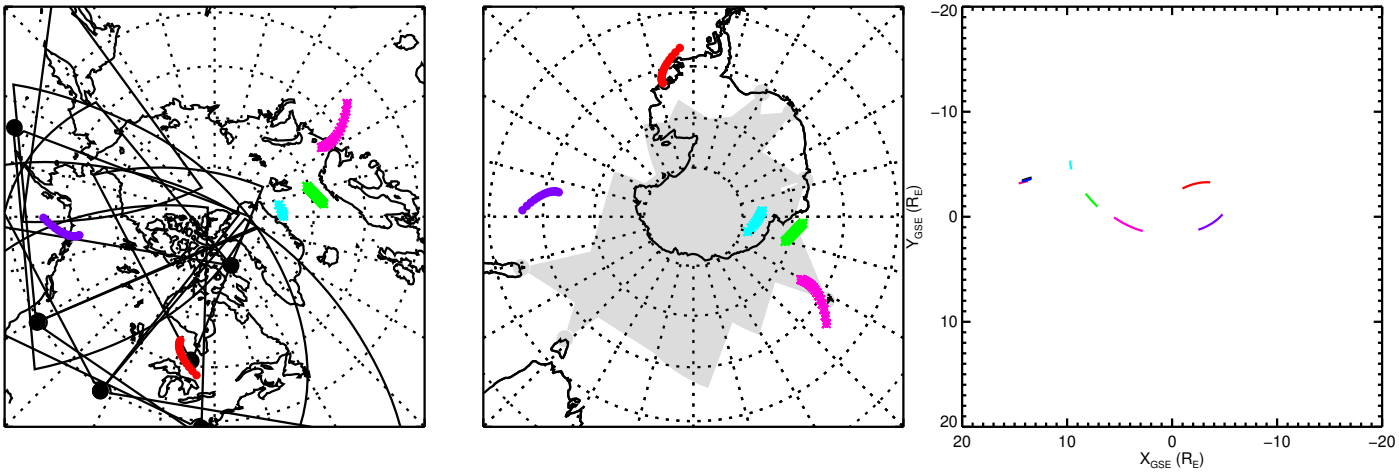






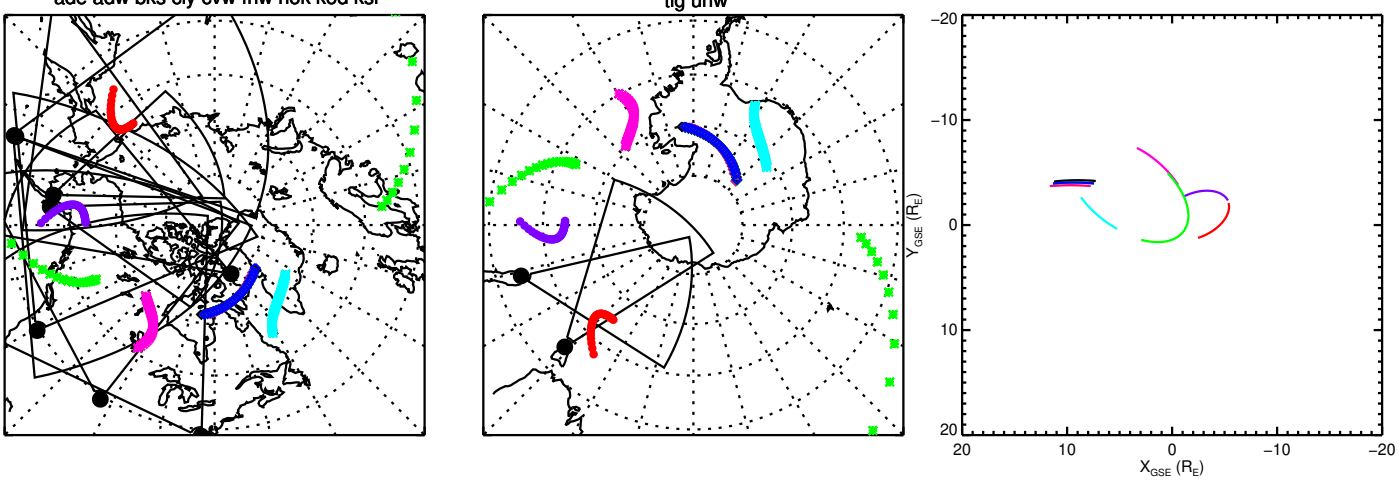


(c) 0845UT to 1010UT
ade bks cly cve cvw fhe fhw hok kap



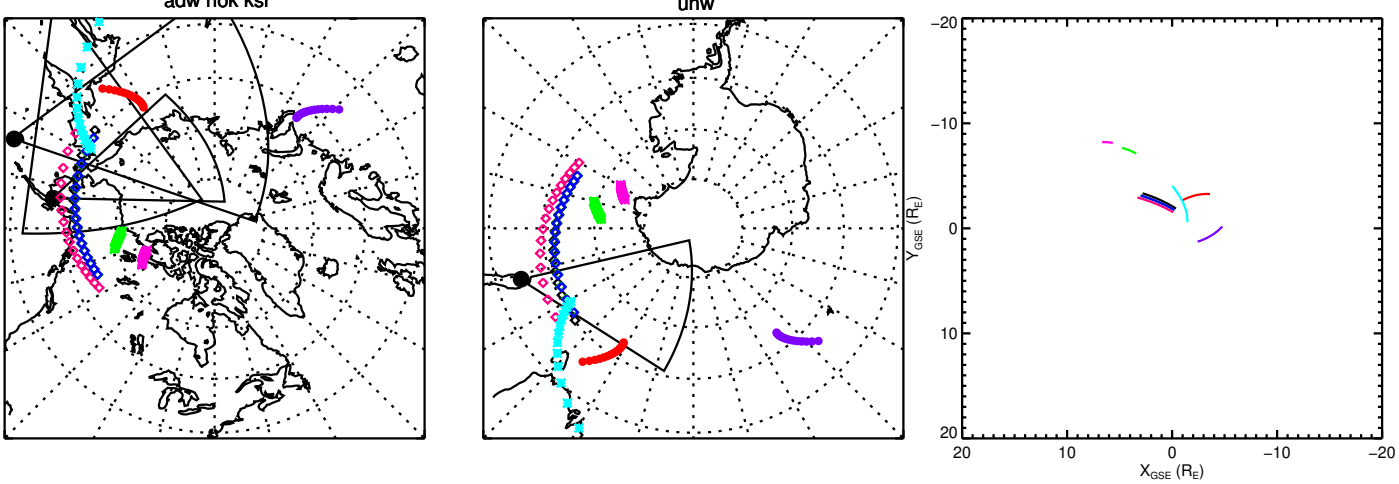
(d) 1220UT to 1535UT
ade adw bks cly cvw fhw hok kod ksr

tig unw

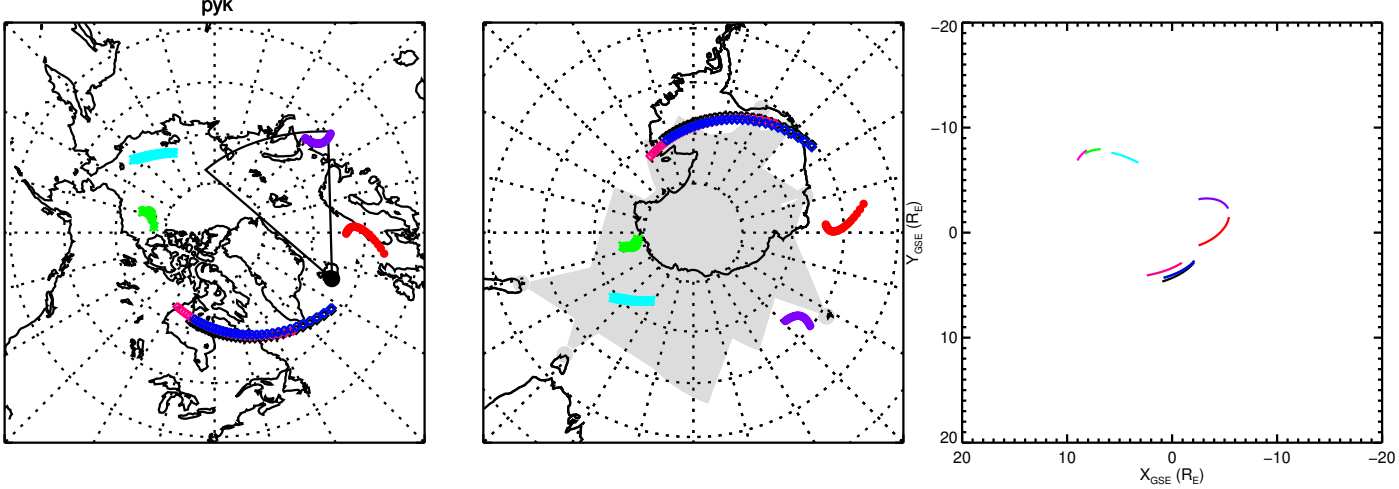


(e) 1745UT to 1910UT
adw hok ksr

unw



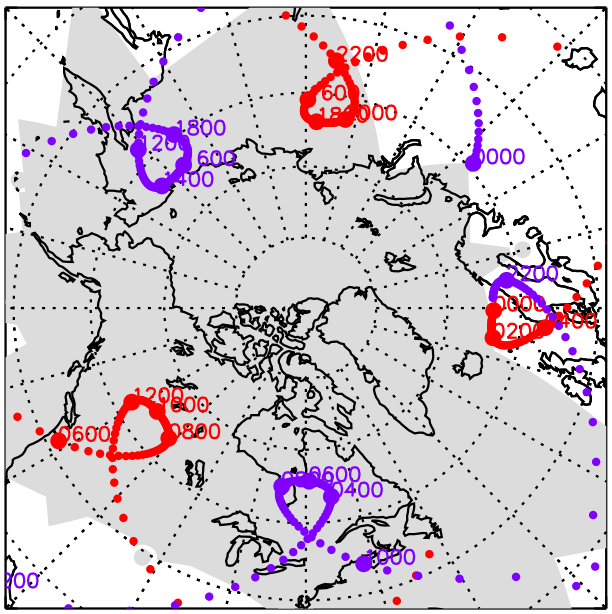
(f) 2120UT to 2355UT
pyk

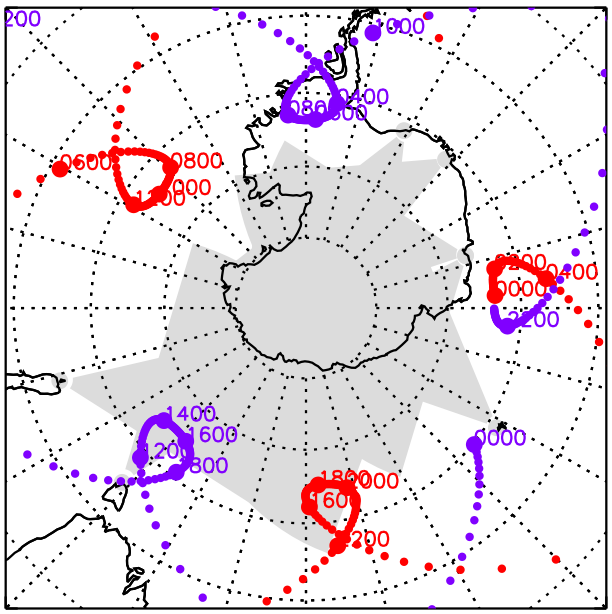


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

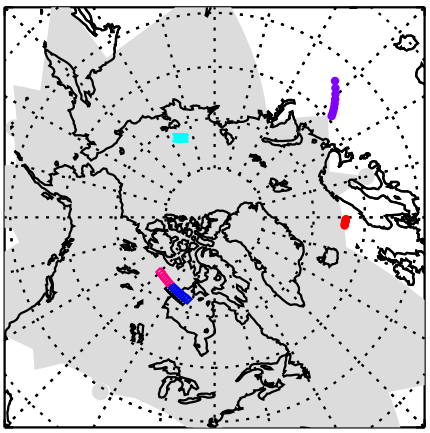
28–Feb–2013

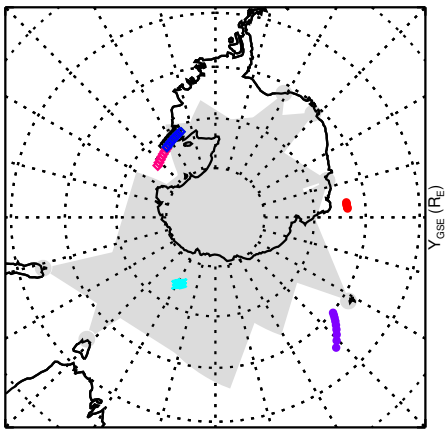
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

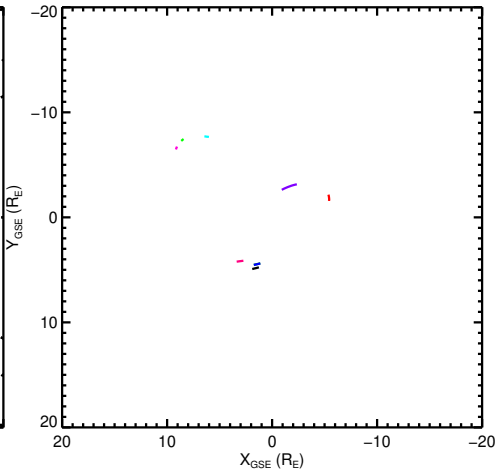




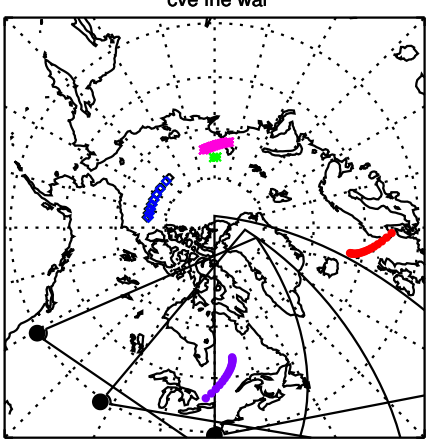
(a) 0000UT to 0040UT

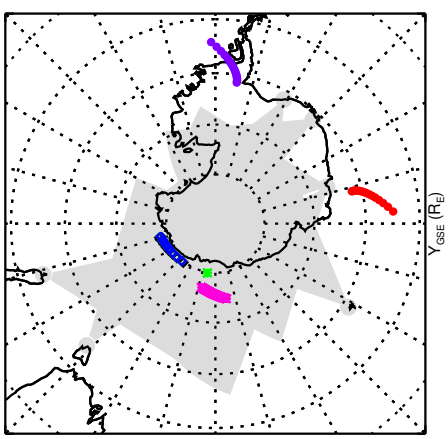


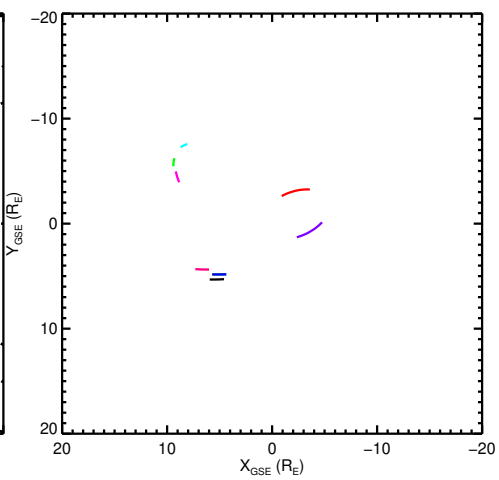




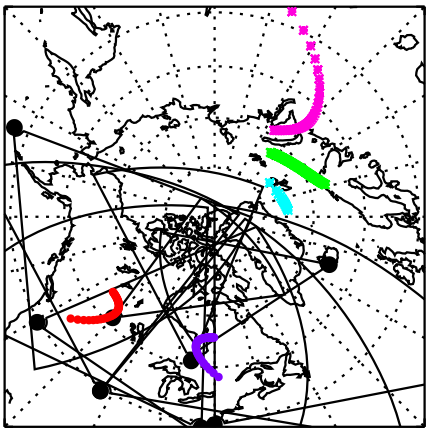
(b) 0245UT to 0410UT
cve fhe wal

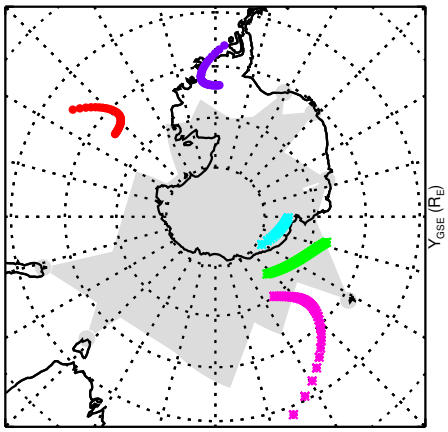


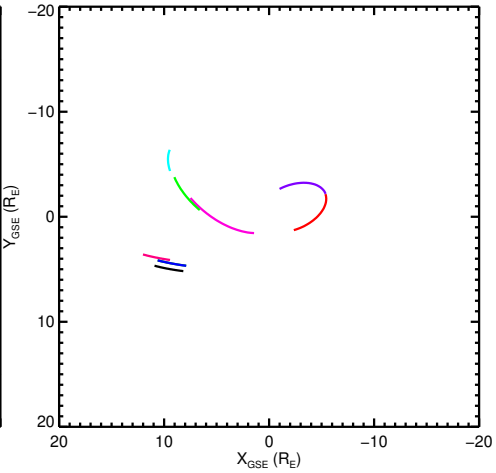




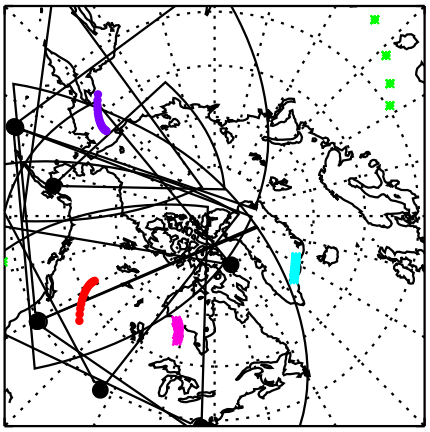
(c) 0615UT to 0940UT
ade bks cve fhe fhw kap sas sto wal



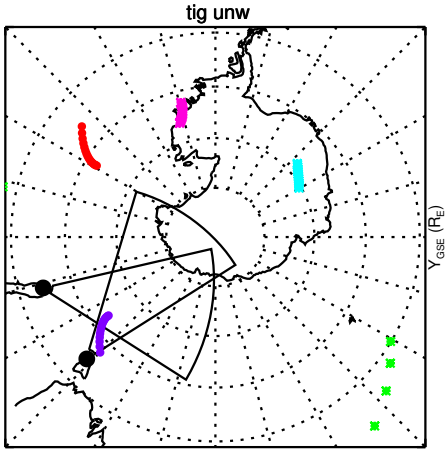


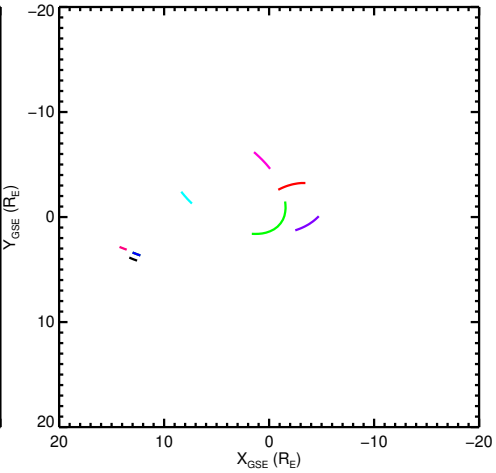


(d) 1150UT to 1310UT
ade adw bks cly cve cvw fhw hok ksr

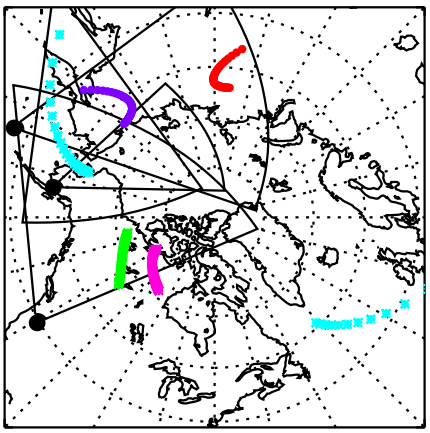


tig unw

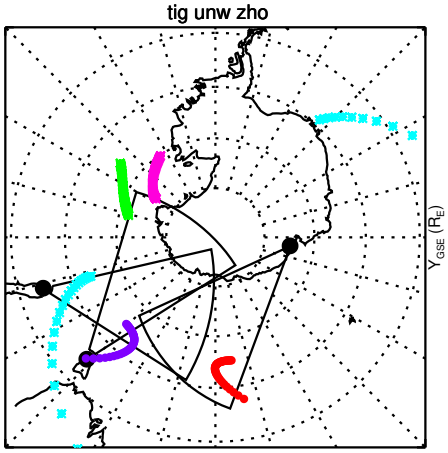


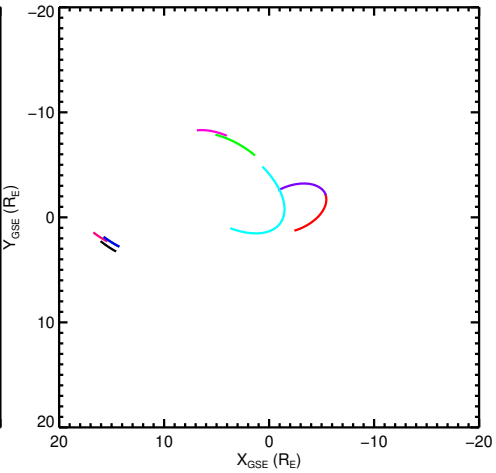


(e) 1515UT to 1845UT
adw cvw hok ksr

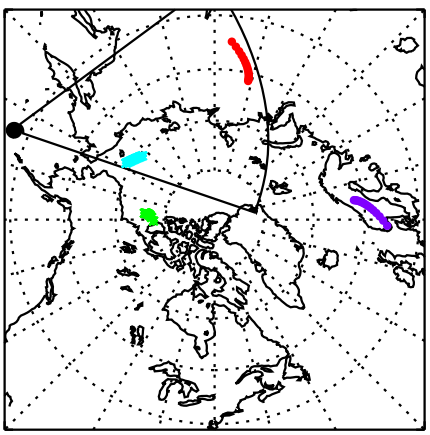
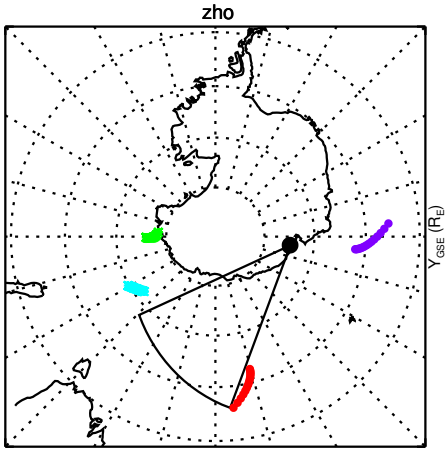
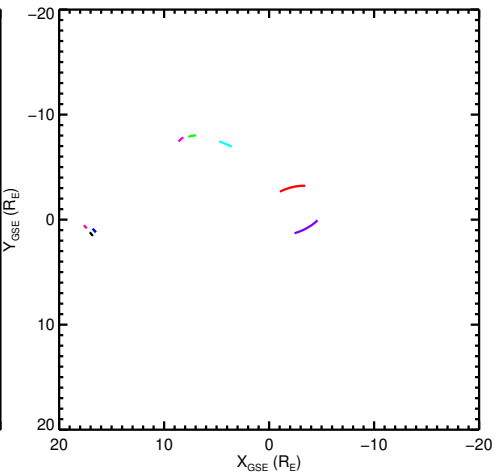


tig unw zho





(f) 2050UT to 2205UT
adw



zho